



**Australian Government**

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**IP Australia**

**AUSTRALIAN OFFICIAL JOURNAL**

**OF**

**PATENTS**



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## *General Information*

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

*Editorial enquiries*

*Contact information*

*Freedom of Information ACT*

*Professional Standards Board*

*Sales*

*Requests for Information under Section 194 (c)*

*Country Codes*

*Trade Mark and Designs Hearing Sessions*

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

## GUIDE TO THE USE OF THIS JOURNAL

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

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

### **(i) FILING -**

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

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

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

### **(iii) ACCEPTANCE –**

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

### **(iv) OPPOSITION –**

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

### **(v) GRANTING –**

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

### **(vi) CERTIFICATION**

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

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

## How To Identify Information Using "INID" Numbers

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

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

(22) 12.10.91

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

## How Australian Patent Documents are Numbered

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

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

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

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

**See Examples:**

2011236254 and 2000023658 (Standard Complete)

2011158589 (Innovation Complete)

2011902365 (Provisional)

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

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

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

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

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

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

## Arrangement of Information in the Journal

For each of the categories

- (i) Provisional Applications Filed,
- (ii) Complete Applications Filed,
- iii) Applications Open to Public Inspection
- (iv) Applications Accepted, and
- (v) Innovation Patent Certified.

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

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

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

## Using the Indices

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

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

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

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

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

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



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

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

The following Numerical Indices are available:

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

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

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

The indices to use are

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

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

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

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

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

### (10) Document identification

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

### (20) Document filing data

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

### (30) Priority data

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

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

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

**(50) Technical Information**

- (51) International Patent Classification
- (52) Domestic or national classification
- (54) Title of invention
- (56) List of prior art documents, if separate from descriptive text
- (57) Abstract or claim

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

- (60) Related by cognate(s).
- (61) Related by addition(s).
- (62) Related by division(s).

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

- (71) Name(s) of applicant(s)
- (72) Name(s) of inventor(s) if known to be such
- (74) Name(s) of attorney(s) or agent(s)
- (75) Name(s) of inventor(s) who is (are) also applicant(s)

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

- (86) PCT Application Number
- (87) PCT Publication Number

**NOTE**

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

**AU-A** = Pre-examination

**AU-B** = Post-examination

- (2) The classification used is the International Patent Classification and is identified by the INID code (51). Further editions of the classification are identified as (51)<sub>2</sub>, (51)<sub>3</sub>, (51)<sub>4</sub> and (51)<sub>5</sub>.
- (3) INID code 74 provides for the name of the patent attorney, or firm of attorneys, prosecuting an application.

**IP AUSTRALIA**

**AUSTRALIAN PATENT OFFICE**

***Brown & Watson International Pty Ltd v The NOCO Company [2022] APO 24***

Patent Application: 2016269555

Title: Portable vehicle battery jump start apparatus with safety protection

Patent Applicant: The NOCO Company

Opponent: Brown & Watson International Pty Ltd

Delegate: S. E. Pearce

Decision Date: 01 April 2022

Hearing Date: 15<sup>th</sup> February 2022, Via Video Conference

Catchwords: PATENTS – opposition to the allowance of an amendment – allowability under s 102(2)(a) – claims as proposed to be amended in substance fall within the scope of the claims before amendment – amendment allowed – costs awarded against the opponent

Representation: Counsel for the applicant: Ian Horak  
Patent attorney for the applicant: Ray Tettman  
Counsel for the opponent: Sam Hallahan  
Patent attorney for the opponent: Adrian Crooks

**IP AUSTRALIA**  
**AUSTRALIAN PATENT OFFICE**  
*Apple Inc. [2022] APO 25*

Patent Application: 2019202701

Title: Network slice selection

Patent Applicant: Apple Inc.

Delegate: Neil Miller

Decision Date: 04 April 2022

Hearing Date: Written submissions filed on 17 September 2021

Catchwords: PATENTS - section 45 – examiner’s objection – whether amendments to the claims made under s104 allowable – consideration s102 – “as a result of the amendment” – what matter was disclosed in the specification as filed – amendments allowable

Representation: Patent attorney for the applicant: FPA Patent Attorneys



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 29 Mar 2022 .

(71) A.D. Kepper Investments Pty Ltd as trustee for Venturoso Investment Trust  
(21) 2022900792 (22) 29.03.2022  
(54) MARINE LIGHTING ASSEMBLY

(71) Agrisave International Inc  
(21) 2022900863 (22) 02.04.2022  
(54) A soil monitoring and analysis system

(71) Allom, A.  
(21) 2022900835 (22) 31.03.2022  
(54) IMPROVED SHOE LACE ACCESSORY

(71) AMOG Technologies Pty Ltd  
(21) 2022900849 (22) 31.03.2022  
(54) Apparatus for use with a sensor array towable behind a towing vessel, and a method for use with such an array

(71) Archer Materials Limited  
(21) 2022900845 (22) 31.03.2022  
(54) FABRICATION AND PROCESSING OF GRAPHENE ELECTRONIC DEVICES ON SILICON WITH A SiO<sub>2</sub> PASSIVATION LAYER

(71) Atmo Biosciences Pty Ltd  
(21) 2022900873 (22) 04.04.2022  
(54) Method, program, and apparatus for determining location of ingestible capsule

(71) Austin Aeronautics Pty Ltd  
(21) 2022900830 (22) 31.03.2022  
(54) UNMANNED FIXED WING VERTICAL TAKE-OFF AND LANDING AIRCRAFT

(71) Baraja Pty Ltd  
(21) 2022900813 (22) 30.03.2022  
(54) Light based spatial estimation systems

(71) Begde, D.P.; Tripathi, A.; Bhatnagar, V.  
(21) 2022900864 (22) 02.04.2022  
(54) DSS in Retail

(71) Beyon Product Pty Ltd  
(21) 2022900847 (22) 31.03.2022  
(54) Weight lifting apparatus and methods of utilisation thereof

**Bhatnagar, V. see Begde, D.P.**  
(21) 2022900864

(71) Blueprint Lab Pty Ltd  
(21) 2022900791 (22) 29.03.2022  
(54) Controller for remote control of an object

(71) Bolshinsky, V.; Moore, E.  
(21) 2022900881 (22) 05.04.2022  
(54) DEVICE FOR MINIMALLY INVASIVE SUREGERY

(71) Bolton, W.M.  
(21) 2022900808 (22) 30.03.2022  
(54) Portable roof cavity platform

(71) Brown, J.  
(21) 2022900843 (22) 31.03.2022  
(54) Magnetically Assisted Rotating Apparatus

(71) butcher, e.  
(21) 2022900885 (22) 05.04.2022  
(54) Alpha-source Radio-electric generator

(71) CETO IP Pty Ltd  
(21) 2022900860 (22) 01.04.2022  
(54) A Buoyancy Actuator and a Wave Energy Conversion System Incorporating a Buoyancy Actuator

(71) CUMMINS, I.  
(21) 2022900876 (22) 04.04.2022  
(54) A COLD FISSION HYDROGEN GAS PRODUCTION DEVICE

(71) Daoud, Z.  
(21) 2022900887 (22) 05.04.2022  
(54) A Flower Arrangement Device

(71) de Geeter, P.  
(21) 2022900820 (22) 30.03.2022  
(54) Wave Energy Converter

(71) Dental Sleep Institute Pty Ltd  
(21) 2022900837 (22) 31.03.2022  
(54) A dorsal appliance for a dental splint

(71) Dincel, B.  
(21) 2022900872 (22) 04.04.2022  
(54) Arrangement for inhibiting water ingress across a construction joint

(71) Eagle Innovations Pty Ltd  
(21) 2022900800 (22) 30.03.2022  
(54) TREATMENT METHODS, APPARATUS AND ADDITIVE

(71) ETP International Company Limited  
(21) 2022900862 (22) 01.04.2022  
(54) Hydrogen transport and storage

(71) FOUNDRY INTELLECTUAL PROPERTY PTY LTD  
(21) 2022900787 (22) 28.03.2022  
(54) FOOD WASTE RECYCLING

**Gemmell, C. see Lee, F.**  
(21) 2022900794

Provisional Applications Filed - Name Index cont'd

(71) Grey Central Pty Ltd  
(21) 2022900854 (22) 31.03.2022  
(54) A Process for Identifying Healthy Food  
via a Proprietary Search & Logistics  
Platform

(71) Gunthorpe, C.  
(21) 2022900874 (22) 04.04.2022  
(54) A damped spool valve

(71) GYO Solutions Pty Ltd  
(21) 2022900819 (22) 30.03.2022  
(54) Multi-Flow Wicking System

(71) Haidnay Innovation Company Pty Ltd  
(21) 2022900793 (22) 29.03.2022  
(54) HARROW

(71) Hamilton, W.  
(21) 2022900804 (22) 30.03.2022  
(54) A System for Video Multimedia Aug-  
mentation

**Harry Perkins Institute of Medical Re-  
search Inc. see The University of Western  
Australia**  
(21) 2022900869

(71) Hill, B.  
(21) 2022900866 (22) 04.04.2022  
(54) Method and System for the liberation of  
Hydrogen from Water

(71) HIWAY STABILIZERS NEW ZEALAND  
LIMITED  
(21) 2022900806 (22) 30.03.2022  
(54) APPARATUS FOR RESTORING A  
FLUSHED BITUMEN ROAD AND AS-  
SOCIATED METHODS

(71) HIWAY STABILIZERS NEW ZEALAND  
LIMITED  
(21) 2022900807 (22) 30.03.2022  
(54) APPARATUS FOR RESTORING A  
FLUSHED BITUMEN ROAD AND AS-  
SOCIATED METHODS

(71) Horwood, P.  
(21) 2022900826 (22) 30.03.2022  
(54) Bin Lid Latch

(71) Icon23 Pty Ltd  
(21) 2022900811 (22) 30.03.2022  
(54) Play figure arrangement

(71) Idea Invent Evolve Pty Ltd  
(21) 2022900802 (22) 30.03.2022  
(54) ENERGY STORAGE DEVICE WITH A  
VARIABLE VOLUME CHAMBER

(71) Imtrade Australia Pty Ltd  
(21) 2022900812 (22) 30.03.2022  
(54) Agricultural formulations comprising  
niacin

(71) InterK Peptide Therapeutics Limited  
(21) 2022900798 (22) 30.03.2022  
(54) INHIBITORS AND METHODS FOR  
TREATING NEUROLOGICAL DIS-  
EASES

(71) Jayaram, N.  
(21) 2022900825 (22) 30.03.2022  
(54) FLEXIBLE CONTAINERISED SOLAR  
POWER PLANT AND METHOD OF  
DEPLOYMENT

(71) KAJUEM HOLDINGS PTY LIMITED  
(21) 2022900822 (22) 30.03.2022  
(54) IMPROVED PLASTIC MASKS

(71) Kerr, P.  
(21) 2022900839 (22) 31.03.2022  
(54) Access openings in screens

(71) Keto Pty Ltd  
(21) 2022900857 (22) 01.04.2022  
(54) GARMENT FOR MALES

(71) K F Group Pty Ltd  
(21) 2022900814 (22) 30.03.2022  
(54) Wear Plate

(71) Kuzman IP PTY LTD  
(21) 2022900844 (22) 31.03.2022  
(54) FRAME FOR AN AIR FILTER

(71) Lee, F.; Gemmell, C.  
(21) 2022900794 (22) 29.03.2022  
(54) COMPUTER IMPLEMENTED SYSTEM  
AND METHOD FOR FACILITATING  
SOCIALISATION OF DOMESTIC PETS

(71) Lin, K.  
(21) 2022900797 (22) 29.03.2022  
(54) Free IT World website : freeitworld.com

(71) Mackie, S.; Northrop, A.  
(21) 2022900882 (22) 05.04.2022  
(54) A BIN FOR SOFT PLASTIC WASTE

(71) Macquarie University  
(21) 2022900856 (22) 01.04.2022  
(54) Transgenic animals for mercury Biore-  
mediation

(71) Minelab Electronics Pty. Limited  
(21) 2022900827 (22) 31.03.2022  
(54) AN IMPROVED METAL DETECTOR

(71) Montgomery, B.  
(21) 2022900815 (22) 30.03.2022  
(54) Fire protection means for poles

**Moore, E. see Bolshinsky, V.**  
(21) 2022900881

(71) Moroz Technologies Pty Ltd  
(21) 2022900824 (22) 30.03.2022  
(54) IMPLANT DEVICE, SYSTEM AND  
METHOD FOR TREATING DISEASE

(71) Muzic, A.; Seawright, W.  
(21) 2022900829 (22) 31.03.2022  
(54) IMPROVED BEARING INSTALLATION  
HUB

(71) Natural Innovations Group Pty Ltd  
(21) 2022900879 (22) 04.04.2022  
(54) BLACK PEPPER CANNABINOID EX-  
TRACT COMPRISING BETA-CARYO-  
PHYLLENE

(71) NewSouth Innovations Pty Limited; The  
Hong Kong Polytechnic University  
(21) 2022900809 (22) 30.03.2022  
(54) A high frequency, high resolution 2D  
phased array ultrasonic transducer

**Northrop, A. see Mackie, S.**  
(21) 2022900882

(71) Norwalk Granite & Marble Systems Pty  
Ltd  
(21) 2022900842 (22) 31.03.2022  
(54) Fascia for a modular mausoleum

(71) NTHALMIC HOLDING PTY LTD  
(21) 2022900816 (22) 30.03.2022  
(54) A Contact Lens for Myopia Manage-  
ment

(71) NTHALMIC HOLDING PTY LTD  
(21) 2022900817 (22) 30.03.2022  
(54) A Multi-Zone Spectacle Lens for My-  
opia Management

(71) NTHALMIC HOLDING PTY LTD  
(21) 2022900818 (22) 30.03.2022  
(54) A Spectacle Lens for Myopia

(71) O'Connor, N.  
(21) 2022900880 (22) 04.04.2022  
(54) Cantilevered Finger Extender

Provisional Applications Filed - Name Index cont'd

(71) OptionX Holdings Pty Ltd (21) 2022900836 (22) 31.03.2022 (54) MICROTUNNELING APPARATUS	SYSTEM FOR TREATING A RESPIRATORY DISORDER	(71) The University of Melbourne (21) 2022900868 (22) 04.04.2022 (54) A GAS SEPARATION MEMBRANE
(71) Palmaya Pty Ltd (21) 2022900834 (22) 31.03.2022 (54) Subcutaneous Delivery Method	(71) ResMed Pty Ltd (21) 2022900810 (22) 30.03.2022 (54) DISPLAY SYSTEM AND USER INTERFACE	(71) The University of Western Australia; Harry Perkins Institute of Medical Research Inc.; Telethon Kids Institute (21) 2022900869 (22) 04.04.2022 (54) Stabilising Buffer for Lamp
(71) Palmaya Pty Ltd (21) 2022900840 (22) 31.03.2022 (54) An Implantable Form of Penicillin	(71) ResMed Pty Ltd (21) 2022900823 (22) 30.03.2022 (54) PATIENT INTERFACE HAVING UNDERCUSHION AND MEMBRANE	(71) Tribe Technology Pty Ltd (21) 2022900877 (22) 04.04.2022 (54) A Sampling Apparatus and A Cyclone
(71) Partridge, J. (21) 2022900852 (22) 31.03.2022 (54) A DEVICE AND METHOD OF USE THEREOF	(71) RIGGING CONCEPTS LIMITED (21) 2022900846 (22) 31.03.2022 (54) A SHACKLE	(71) Tribe Technology Pty Ltd (21) 2022900878 (22) 04.04.2022 (54) A Sampling Apparatus and A Splitter Assembly
(71) Perumal, V. (21) 2022900875 (22) 04.04.2022 (54) Rapid isolation of stem circulating tumour cells and spheres for cancer prognosis and diagnosis.	(71) Sealevel Consulting Pty Ltd (21) 2022900841 (22) 31.03.2022 (54) A BAKING UTENSIL AND METHOD OF USING SAME	<b>Tripathi, A. see Begde, D.P.</b> (21) 2022900864
(71) QUANTUM INNOVATION AUSTRALIA PTY LTD (21) 2022900865 (22) 03.04.2022 (54) a new system for keeping an icebox cooler cold	<b>Seawright, W. see Muzic, A.</b> (21) 2022900829	(71) Tube Bundle Integrity Solutions Pty Ltd (21) 2022900821 (22) 30.03.2022 (54) Water Trap
(71) Rakman International Pty Ltd (21) 2022900801 (22) 30.03.2022 (54) Fire collar apparatus	(71) Sharkis, A. (21) 2022900884 (22) 05.04.2022 (54) A tidal power generation system	(71) Unique MVP Pty Ltd (21) 2022900832 (22) 31.03.2022 (54) Kit and associated system and method for cleaning a paint roller cover
(71) Red Automotive Technologies Pty Ltd (21) 2022900789 (22) 29.03.2022 (54) A SYSTEM FOR CONTROLLING A FORCE APPLIED ON A TRAILER BEING TOWED BY A VEHICLE	(71) SkyBudi Pty Ltd (21) 2022900828 (22) 31.03.2022 (54) AIRCRAFT STRETCHER	(71) UTF Australia Pty Ltd (21) 2022900805 (22) 30.03.2022 (54) Adjuster arrangement for saliva lick feeder
(71) Reflex Instruments Asia Pacific Pty Ltd (21) 2022900867 (22) 04.04.2022 (54) Borehole depth logging	(71) Skytraders Pty Ltd (21) 2022900833 (22) 31.03.2022 (54) Floor Mounted Conveyor System	(71) Virex Pharma Ltd (21) 2022900870 (22) 04.04.2022 (54) Inhalation formulation for the treatment of respiratory viral infections
(71) REFLEX INSTRUMENTS ASIA PACIFIC PTY LTD (21) 2022900838 (22) 31.03.2022 (54) LOCATOR FOR A SURVEY APPARATUS	(71) Sloss, G. (21) 2022900850 (22) 31.03.2022 (54) COMPUTER-IMPLEMENTED SYSTEM AND METHOD FOR PROVIDING STREAMS OF RECORDINGS OF LIVE PERFORMANCES	(71) Virex Pharma Ltd (21) 2022900871 (22) 04.04.2022 (54) Nanoemulsion nasal spray formulation for treatment of viral infections
(71) Refrra Labs Pty Ltd (21) 2022900803 (22) 30.03.2022 (54) A REFERRAL SYSTEM	(71) TAN, J. (21) 2022900795 (22) 29.03.2022 (54) Cannabis oil compositions and methods for preparation thereof	(71) WearOptimo Pty Ltd (21) 2022900858 (22) 01.04.2022 (54) Aptamers and uses therefor
(71) ResMed Pty Ltd (21) 2022900799 (22) 30.03.2022 (54) POWER TRANSMISSION BY ELECTRICALLY CONDUCTIVE TEXTILE IN A	<b>Telethon Kids Institute see The University of Western Australia</b> (21) 2022900869	(71) WearOptimo Pty Ltd (21) 2022900859 (22) 01.04.2022 (54) Aptamers and uses therefor
	<b>The Hong Kong Polytechnic University see NewSouth Innovations Pty Limited</b> (21) 2022900809	(71) WearOptimo Pty Ltd (21) 2022900861 (22) 01.04.2022 (54) Aptamers and uses therefor



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(71) Webber Surfboards Pty Limited  
(21) 2022900796 (22) 29.03.2022  
(54) SURFBOARD FIN MOUNT

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(71) Xero Limited  
(21) 2022900848 (22) 31.03.2022  
(54) Methods and systems for determining  
segmentation rules for categorising en-  
tities

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(71) Xero Limited  
(21) 2022900851 (22) 31.03.2022  
(54) Method, program, and apparatus for  
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shared ledger

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(71) Xero Limited  
(21) 2022900853 (22) 31.03.2022  
(54) Methods and systems for facilitating  
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(71) ZeroFlucs Labs Pty Ltd  
(21) 2022900831 (22) 31.03.2022  
(54) SYSTEM AND METHOD FOR MEAS-  
URING OUTCOMES FROM EVENTS

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<b>2022900791</b>	Blueprint Lab Pty Ltd	<b>2022900858</b>	WearOptimo Pty Ltd
<b>2022900792</b>	A.D. Kepper Investments Pty Ltd as trustee for Venturoso Investment Trust	<b>2022900859</b>	WearOptimo Pty Ltd
<b>2022900793</b>	Haidnay Innovation Company Pty Ltd	<b>2022900860</b>	CETO IP Pty Ltd
<b>2022900794</b>	Lee, F.; Gemmell, C.	<b>2022900861</b>	WearOptimo Pty Ltd
<b>2022900795</b>	TAN, J.	<b>2022900862</b>	ETP International Company Limited
<b>2022900796</b>	Webber Surfboards Pty Limited	<b>2022900863</b>	Agrisave International Inc
<b>2022900797</b>	Lin, K.	<b>2022900864</b>	Begde, D.P.; Tripathi, A.; Bhatnagar, V.
<b>2022900798</b>	InterK Peptide Therapeutics Limited	<b>2022900865</b>	QUANTUM INNOVATION AUSTRALIA PTY LTD
<b>2022900799</b>	ResMed Pty Ltd	<b>2022900866</b>	Hill, B.
<b>2022900800</b>	Eagle Innovations Pty Ltd	<b>2022900867</b>	Reflex Instruments Asia Pacific Pty Ltd
<b>2022900801</b>	Rakman International Pty Ltd	<b>2022900868</b>	The University of Melbourne
<b>2022900802</b>	Idea Invent Evolve Pty Ltd	<b>2022900869</b>	The University of Western Australia; Harry Perkins Institute of Medical Research Inc.; Telethon Kids Institute
<b>2022900803</b>	Reffra Labs Pty Ltd	<b>2022900870</b>	Virex Pharma Ltd
<b>2022900804</b>	Hamilton, W.	<b>2022900871</b>	Virex Pharma Ltd
<b>2022900805</b>	UTF Australia Pty Ltd	<b>2022900872</b>	Dincel, B.
<b>2022900806</b>	HIWAY STABILIZERS NEW ZEALAND LIMITED	<b>2022900873</b>	Atmo Biosciences Pty Ltd
<b>2022900807</b>	HIWAY STABILIZERS NEW ZEALAND LIMITED	<b>2022900874</b>	Gunthorpe, C.
<b>2022900808</b>	Bolton, W.M.	<b>2022900875</b>	Perumal, V.
<b>2022900809</b>	NewSouth Innovations Pty Limited; The Hong Kong Polytechnic University	<b>2022900876</b>	CUMMINS, I.
<b>2022900810</b>	ResMed Pty Ltd	<b>2022900877</b>	Tribe Technology Pty Ltd
<b>2022900811</b>	Icon23 Pty Ltd	<b>2022900878</b>	Tribe Technology Pty Ltd
<b>2022900812</b>	Imtrade Australia Pty Ltd	<b>2022900879</b>	Natural Innovations Group Pty Ltd
<b>2022900813</b>	Baraja Pty Ltd	<b>2022900880</b>	O'Connor, N.
<b>2022900814</b>	K F Group Pty Ltd	<b>2022900881</b>	Bolshinsky, V.; Moore, E.
<b>2022900815</b>	Montgomery, B.	<b>2022900882</b>	Mackie, S.; Northrop, A.
<b>2022900816</b>	NTHALMIC HOLDING PTY LTD	<b>2022900884</b>	Sharkis, A.
<b>2022900817</b>	NTHALMIC HOLDING PTY LTD	<b>2022900885</b>	butcher, e.
<b>2022900818</b>	NTHALMIC HOLDING PTY LTD	<b>2022900887</b>	Daoud, Z.
<b>2022900819</b>	GYO Solutions Pty Ltd		
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<b>2022900822</b>	KAJUEM HOLDINGS PTY LIMITED		
<b>2022900823</b>	ResMed Pty Ltd		
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<b>2022900828</b>	SkyBudi Pty Ltd		
<b>2022900829</b>	Muzic, A.; Seawright, W.		
<b>2022900830</b>	Austin Aeronautics Pty Ltd		
<b>2022900831</b>	ZeroFlucs Labs Pty Ltd		
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<b>2022900834</b>	Palmaya Pty Ltd		
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<b>2022900837</b>	Dental Sleep Institute Pty Ltd		
<b>2022900838</b>	REFLEX INSTRUMENTS ASIA PACIFIC PTY LTD		
<b>2022900839</b>	Kerr, P.		
<b>2022900840</b>	Palmaya Pty Ltd		
<b>2022900841</b>	Sealevel Consulting Pty Ltd		
<b>2022900842</b>	Norwalk Granite & Marble Systems Pty Ltd		
<b>2022900843</b>	Brown, J.		
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<b>2022900846</b>	RIGGING CONCEPTS LIMITED		
<b>2022900847</b>	Beyon Product Pty Ltd		
<b>2022900848</b>	Xero Limited		
<b>2022900849</b>	AMOG Technologies Pty Ltd		
<b>2022900850</b>	Sloss, G.		
<b>2022900851</b>	Xero Limited		
<b>2022900852</b>	Partridge, J.		
<b>2022900853</b>	Xero Limited		
<b>2022900854</b>	Grey Central Pty Ltd		

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Applications listed below were processed through the Patent Office Canberra during the period ending 29 Mar 2022 .

. (\*) Title not in Roman characters

. (\*\*) Title not given

<hr/> <p>(71) Absolute Software Corporation (21) 2022202175 (22) 30.03.2022 (54) Firmware publication of multiple binary images (62) 2018384097</p> <hr/> <p><b>AGENUS INC. see LUDWIG INSTITUTE FOR CANCER RESEARCH LTD</b> (21) 2022202108</p> <hr/> <p>(71) Alnylam Pharmaceuticals, Inc. (21) 2022202173 (22) 30.03.2022 (54) REVERSIRTM compounds (62) 2015364508</p> <hr/> <p>(71) Ancora Heart, Inc. (21) 2022202176 (22) 30.03.2022 (54) Device and method for releasing catheters from cardiac structures (62) 2016260305</p> <hr/> <p>(71) Andis, S. (21) 2022202154 (22) 30.03.2022 (54) Wide Head and Body Caulking Nozzle Device With Any Size Width</p> <hr/> <p>(71) Angel Group Co., Ltd. (21) 2022202078 (22) 27.03.2022 (54) CARD DISCARDING DEVICE FOR TABLETOP GAME (62) 2020223767</p> <hr/> <p>(71) ARB Corporation Ltd (21) 2022202116 (22) 29.03.2022 (54) Assemblies for supporting a load relative to a roof of a vehicle (62) 2020200162</p> <hr/> <p>(71) Archemix LLC (21) 2022202115 (22) 29.03.2022 (54) Complement binding aptamers and anti-C5 agents useful in the treatment of ocular disorders (62) 2020201145</p> <hr/> <p><b>Arfanis, J. see Roden, R.</b> (21) 2022202071</p> <hr/> <p>(71) Arvinas, Inc. (21) 2022202089 (22) 28.03.2022</p>	<p>(54) TAU-PROTEIN TARGETING PROTACS AND ASSOCIATED METHODS OF USE (62) 2017367872</p> <hr/> <p>(71) Atlanta Stretch S.p.A. (21) 2022202092 (22) 28.03.2022 (54) Apparatus For Wrapping A Film Around An Object And Related Method (31) 102021000007820 (32) 31.03.21 (33) IT</p> <hr/> <p>(71) BELX BIO-PHARMACEUTICAL (TAIWAN) CORPORATION (21) 2022202161 (22) 30.03.2022 (54) Polymeric proathocyanidin composition and application thereof (31) PCT/ CN2021/084584 (32) 31.03.21 (33) CN</p> <hr/> <p>(71) BIOHAVEN PHARMACEUTICAL HOLDING COMPANY LTD. (21) 2022202163 (22) 30.03.2022 (54) RILUZOLE PRODRUGS AND THEIR USE (62) 2020233650</p> <hr/> <p>(71) Brother Kogyo Kabushiki Kaisha (21) 2022202159 (22) 30.03.2022 (54) DEVELOPING CARTRIDGE (62) 2018416582</p> <hr/> <p>(71) Cardinal Health 529, LLC (21) 2022202122 (22) 29.03.2022 (54) Tool and method for balloon rewrapping (62) 2016401014</p> <hr/> <p>(71) CareFusion 303, Inc. (21) 2022202160 (22) 30.03.2022 (54) Infusion line harness (31) 63/168,179 (32) 30.03.21 (33) US</p> <hr/> <p>(71) Cargill, Incorporated (21) 2022202182 (22) 30.03.2022 (54) STEVIOL GLYCOSIDE COMPOSITIONS FOR ORAL INGESTION OR USE (62) 2016411413</p> <hr/> <p>(71) Centurion Framing Systems Pty Ltd (21) 2022202146 (22) 29.03.2022 (54) Framing Preassembly Method Component and System (31) 2021900925 (32) 29.03.21 (33) AU</p>	<hr/> <p>(71) Chevron U.S.A. Inc. (21) 2022202169 (22) 30.03.2022 (54) Systems and methods for identifying geostructural properties as a function of position in a subsurface region of interest (31) 17/219,680 (32) 31.03.21 (33) US</p> <hr/> <p>(71) Children's Hospital of Eastern Ontario Research Institute Inc. (21) 2022202181 (22) 30.03.2022 (54) SMC combination therapy for the treatment of cancer (62) 2017223233</p> <hr/> <p>(71) Claas KGaA mbH (21) 2022202095 (22) 28.03.2022 (54) Transport system for transporting a baling press (31) 102021110749.0 (32) 27.04.21 (33) DE</p> <hr/> <p>(71) Clementia Pharmaceuticals Inc. (21) 2022202148 (22) 29.03.2022 (54) METHODS FOR TREATING HETERO-TOPIC OSSIFICATION (62) 2017276835</p> <hr/> <p>(71) Corteva Agriscience LLC (21) 2022202094 (22) 28.03.2022 (54) Safened herbicidal compositions containing halauxifen and methods of use thereof in Brassica species (62) 2017278355</p> <hr/> <p>(71) Cycleron Therapeutics, Inc. (21) 2022202167 (22) 30.03.2022 (54) Fused bicyclic sGC stimulators (62) 2017321810</p> <hr/> <p>(71) Danisco US Inc. (21) 2022202136 (22) 29.03.2022 (54) TREHALASE IN FERMENTATIONS (62) 2020204527</p> <hr/> <p>(71) Deere &amp; Company (21) 2022202125 (22) 29.03.2022 (54) Agricultural machine adjusting mechanism (31) 17/242,832 (32) 28.04.21 (33) US</p>
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(71) Deere & Company  
 (21) 2022202131 (22) 29.03.2022  
 (54) Sugarcane harvester extractor with leaf shredder  
 (31) 17/243,640 (32) 29.04.21 (33) US

(71) Deere & Company  
 (21) 2022202134 (22) 29.03.2022  
 (54) Vision guidance system using dynamic edge detection  
 (31) 17/245,522 (32) 30.04.21 (33) US

(71) Diakrit International Ltd.  
 (21) 2022202179 (22) 30.03.2022  
 (54) Visualization tool for furniture arrangement in a real estate property  
 (62) 2020200563

(71) Epizyme, Inc.  
 (21) 2022202118 (22) 29.03.2022  
 (54) METHOD FOR TREATING CANCER  
 (62) 2016312514

(71) Eurochampignon bvba  
 (21) 2022202166 (22) 30.03.2022  
 (54) Plant Cultivation Apparatus  
 (62) 2020202376

(71) Fisher & Paykel Healthcare Limited  
 (21) 2022202127 (22) 29.03.2022  
 (54) GASES MIXING AND MEASURING FOR A MEDICAL DEVICE  
 (62) 2020201432

(71) Formosa Saint Jose Corp.  
 (21) 2022202077 (22) 25.03.2022  
 (54) Roof Panel Structure  
 (31) 17/356,978 (32) 24.06.21 (33) US

(71) Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.  
 (21) 2022202137 (22) 29.03.2022  
 (54) DRY PRODUCT CONSISTING OF FRUIT AND/OR VEGETABLES AND A METHOD FOR PRODUCING SAME  
 (62) 2020200106

(71) Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.  
 (21) 2022202147 (22) 29.03.2022  
 (54) Apparatus and method for providing individual sound zones  
 (62) 2020202469

(71) Gazron Investments Pty Limited  
 (21) 2022202097 (22) 28.03.2022  
 (54) Method & System for Allocating a Date to Enable Processing of Data  
 (31) 2021900949 (32) 31.03.21 (33) AU

(71) General Electric Renovables España, S.L.  
 (21) 2022202165 (22) 30.03.2022  
 (54) System and method for adjusting reactive power response of one or more wind turbines of a wind farm during a communications fault  
 (31) 21382321.4 (32) 15.04.21 (33) EP

(71) Graco Minnesota Inc.  
 (21) 2022202098 (22) 28.03.2022  
 (54) Integrated pump guard and control interlock  
 (62) 2017200180

(71) GW Research Limited  
 (21) 2022202119 (22) 29.03.2022  
 (54) Use of cannabinoids in the treatment of epilepsy  
 (62) 2020220135

(71) Heba Pilates Ltd  
 (21) 2022202074 (22) 25.03.2022  
 (54) AN EXERCISE APPARATUS  
 (31) 2104646.1 (32) 31.03.21 (33) GB

(71) Henchman Group Pty Ltd  
 (21) 2022202082 (22) 28.03.2022  
 (54) Item Inventory Management Apparatus, and a System and Method of Manufacturing thereof  
 (31) 2021901515 (32) 21.05.21 (33) AU

(71) Hsieh, J.  
 (21) 2022202104 (22) 28.03.2022  
 (54) Press Device  
 (31) 110114051 (32) 20.04.21 (33) TW

(71) Huawei Technologies Co., Ltd.  
 (21) 2022202072 (22) 25.03.2022  
 (54) CARD HOLDER AND MOBILE TERMINAL  
 (62) 2018408693

(71) Hydros Bottle, LLC  
 (21) 2022202152 (22) 30.03.2022  
 (54) Gravity-flow filter assembly  
 (62) 2016325546

(71) Hyundai Motor Company; Kia Corporation  
 (21) 2022202079 (22) 28.03.2022  
 (54) Fuel cell power generation facility  
 (31) 10-2021-0096012 (32) 21.07.21 (33) KR

(71) IGT  
 (21) 2022202075 (22) 25.03.2022  
 (54) User Identification Verification in Association with Transferring Funds to a Gaming Table  
 (31) 17/220,591 (32) 01.04.21 (33) US

(71) IGT  
 (21) 2022202084 (22) 28.03.2022  
 (54) Securing Gaming Establishment Retail Purchases  
 (31) 17/220,395 (32) 01.04.21 (33) US

(71) ImmunoGen, Inc.  
 (21) 2022202086 (22) 28.03.2022  
 (54) Process for preparing purified drug conjugates  
 (62) 2020200746

(71) Indian Industries, Inc.  
 (21) 2022202107 (22) 29.03.2022  
 (54) BASKETBALL RIM LOCKING COVER AND VOLLEYBALL TRAINER  
 (31) 63/200,888 (32) 01.04.21 (33) US  
 17/655,434 18.03.22 US

(71) InterDigital Patent Holdings, Inc.  
 (21) 2022202091 (22) 28.03.2022  
 (54) Realizing mobile relays for device-to-device (D2D) communications  
 (62) 2020210304

(71) Itochu Chemical Frontier Corporation; Oishi Koseido Co., Ltd.  
 (21) 2022202121 (22) 29.03.2022  
 (54) NON-AQUEOUS PATCH COMPRISING LIDOCAINE  
 (62) 2016312038

(71) Ivanti, Inc.  
 (21) 2022202117 (22) 29.03.2022  
 (54) SYSTEMS AND METHODS FOR PROVIDING A SELF-ELECTING SERVICE  
 (62) 2017264954

(71) Janssen Sciences Ireland UC  
 (21) 2022202070 (22) 25.03.2022  
 (54) Combination products for the treatment of RSV  
 (62) 2017214246

(71) Joint Innovation Technology, LLC  
 (21) 2022202069 (22) 25.03.2022  
 (54) SECUREMENT DEVICE FOR AN ORTHOPEDIC PROSTHESIS, THERMAL TREATMENT DEVICE FOR AN ORTHOPEDIC PROSTHESIS, AND METHODS OF USE  
 (62) 2017312869

(71) Joint Innovation Technology, LLC  
 (21) 2022202156 (22) 30.03.2022  
 (54) SECUREMENT DEVICE FOR AN ORTHOPEDIC PROSTHESIS, THERMAL TREATMENT DEVICE FOR AN ORTHOPEDIC PROSTHESIS, AND METHODS OF USE  
 (62) 2017312869

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(71) JTL3 Pty Ltd  
(21) 2022202100 (22) 28.03.2022  
(54) A BRUSH CLEANING DEVICE  
(31) 2021900897 (32) 26.03.21 (33) AU

**Kia Corporation see Hyundai Motor Company**  
(21) 2022202079

(71) L'Air Liquide, Société Anonyme pour l'Etude et l'Exploitation des Procédés Georges Claude  
(21) 2022202106 (22) 29.03.2022  
(54) LOW PRESSURE CARBON SNOW INJECTOR  
(31) 21315060.0 (32) 01.04.21 (33) EP

(71) LEGRAND FRANCE; LEGRAND SNC  
(21) 2022202109 (22) 29.03.2022  
(54) Electrical apparatus to allow or not allow a source of alternative current to supply a load, in accordance with orders received by radio frequency, and circuit including same  
(31) 2103420 (32) 01.04.21 (33) FR

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(21) 2022202109

(71) LUDWIG INSTITUTE FOR CANCER RESEARCH LTD; AGENUS INC.; MEMORIAL SLOAN KETTERING CANCER CENTER  
(21) 2022202108 (22) 29.03.2022  
(54) ANTI-CTLA-4 ANTIBODIES AND METHODS OF USE THEREOF  
(62) 2017373944

(71) MANCO ENVIRONMENTAL LIMITED  
(21) 2022202128 (22) 29.03.2022  
(54) IMPROVED WASTE COLLECTION VEHICLE

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(21) 2022202108

(71) Metso Sweden AB  
(21) 2022202144 (22) 29.03.2022  
(54) DETECTION SYSTEM  
(62) 2017348626

(71) MindChamps Music Pte. Limited  
(21) 2022202096 (22) 28.03.2022  
(54) Kit for facilitating music learning  
(31) 10202103163W (32) 26.03.21 (33) SG

(71) Munday, G.S.  
(21) 2022202088 (22) 28.03.2022

(54) Apparatus for closing a surgical site  
(31) 17/341,497 (32) 08.06.21 (33) US  
17/571,992 10.01.22 US

(71) Natera, Inc.  
(21) 2022202083 (22) 28.03.2022  
(54) Detecting mutations and ploidy in chromosomal segments  
(62) 2021209221

(71) NeoVasc Tiara Inc.  
(21) 2022202174 (22) 30.03.2022  
(54) Sequentially deployed transcatheter mitral valve prosthesis  
(62) 2021200979

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(21) 2022202121

(71) Orbus Therapeutics, Inc.  
(21) 2022202162 (22) 30.03.2022  
(54) Formulations for administration of eflo-rithine  
(62) 2017339781

(71) Palo Alto Research Center Incorporated  
(21) 2022202085 (22) 28.03.2022  
(54) OPTICAL FIBER INSTALLATION TOOL  
(31) 17/235,287 (32) 20.04.21 (33) US

(71) Perfect Day, Inc.  
(21) 2022202112 (22) 29.03.2022  
(54) Food products comprising milk proteins and non-animal proteins, and methods of producing the same  
(62) 2017314853

(71) Pfizer Inc.  
(21) 2022202158 (22) 30.03.2022  
(54) Nitrile-containing antiviral compounds  
(62) 2021266232

(71) Precision Planting LLC  
(21) 2022202099 (22) 28.03.2022  
(54) Apparatus, systems and methods for row unit downforce control  
(62) 2021200560

(71) Progressive IP Limited  
(21) 2022202151 (22) 30.03.2022  
(54) GROUND CONTOURING APPARATUS WITH LATERAL CONTROL  
(62) 2019229417

(71) Promaxo, Inc  
(21) 2022202081 (22) 28.03.2022

(54) SINGLE-SIDED FAST MRI GRADIENT FIELD COILS AND APPLICATIONS THEREOF  
(62) 2020247994

(71) Rippleffect Trust Limited  
(21) 2022202080 (22) 28.03.2022  
(54) A Structural Beam and Method of Manufacture  
(31) 781427 (32) 19.10.21 (33) NZ

(71) Roden, R.; Arfanis, J.  
(21) 2022202071 (22) 25.03.2022  
(54) Tradesperson holder apparatus  
(31) 2021900968 (32) 01.04.21 (33) AU

(71) Ross Michael Phillips  
(21) 2022202126 (22) 29.03.2022  
(54) A portable garden watering device

(71) Saudi Arabian Mining Company (Ma'aden)  
(21) 2022202093 (22) 28.03.2022  
(54) Integrated process to upgrade low grade calcareous phosphate ore with low CO2 emissions and low Phosphogypsum waste

(71) Saudi Arabian Mining Company (Ma'aden)  
(21) 2022202129 (22) 29.03.2022  
(54) POLLUTED CO2 CAPTURING WITH LIME PRODUCED FROM PHOSPHOGYPSUM CALCINATION USING SULFUR AS NON-CO2 FUEL  
(31) EP22164736.5 (32) 28.03.22 (33) EP

(71) Schneider Electric Industries SAS  
(21) 2022202090 (22) 28.03.2022  
(54) TIME-SENSITIVE SOFTWARE DEFINED NETWORKING  
(62) 2017300019

(71) Schneider Electric Industries SAS  
(21) 2022202120 (22) 29.03.2022  
(54) LOCKING SYSTEM FOR A CIRCUIT BREAKER  
(31) 2103280 (32) 30.03.21 (33) FR

(71) Seegene, Inc.  
(21) 2022202180 (22) 30.03.2022  
(54) Method and device for analyzing target analyte in sample  
(62) 2018339207

(71) Serenity Source Pty Ltd  
(21) 2022202164 (22) 30.03.2022  
(54) Technical methodology for conversion of real assets into digital representation, setting up an automated energy retailer based on blockchain technology and smart contract utilization and de-

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centralized platform, and awarding of Endeavor for green energy generation, building green energy production facilities, and developing sustainable Net-Zero residential estates.

(71) Shenyang Research Institute of China Coal Technology & Engineering Group  
(21) 2022202143 (22) 29.03.2022  
(54) DETECTION SYSTEM AND METHOD FOR MARK GAS OF COAL SPONTANEOUS IGNITION AND GAS STORAGE DEVICE  
(31) 202111455082.5 (32) 01.12.21 (33) CN

(71) Shenyang Research Institute of China Coal Technology & Engineering Group  
(21) 2022202145 (22) 29.03.2022  
(54) COMPREHENSIVE DETECTION METHOD FOR COAL MINE SPONTANEOUS COMBUSTION FIRE ZONE  
(31) 202110903751.4 (32) 06.08.21 (33) CN

(71) Shukla, J.  
(21) 2022202184 (22) 30.03.2022  
(54) PRIDE Model for Customer Success

(71) Snelgar, C.  
(21) 2022202103 (22) 28.03.2022  
(54) Shoe that is two directional

(71) Suncoke Technology and Development LLC.  
(21) 2022202073 (22) 25.03.2022  
(54) Methods and systems for automatically generating a remedial action in an industrial facility  
(62) 2017272377

(71) Takeda Vaccines, Inc.  
(21) 2022202087 (22) 28.03.2022  
(54) Methods for producing virus for vaccine production  
(62) 2016219122

(71) Terra Lana Products Limited  
(21) 2022202110 (22) 29.03.2022  
(54) METHOD FOR SECURING INSULATION AND TOOL FOR CARRYING OUT THE METHOD  
(31) 774996 (32) 13.04.21 (33) NZ

(71) TES Pharma S.r.l.  
(21) 2022202124 (22) 29.03.2022  
(54) Inhibitors of alpha-amino-beta-carboxymuconic acid semialdehyde decarboxylase  
(62) 2017342083

(71) The Board of Regents of the University of Texas System  
(21) 2022202140 (22) 29.03.2022

(54) Cationic sulfonamide amino lipids and amphiphilic zwitterionic amino lipids  
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(21) 2022202132 (22) 29.03.2022  
(54) Multiplexed imaging of tissues using mass tags and secondary ion mass spectrometry  
(62) 2020200535

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(21) 2022202130 (22) 29.03.2022  
(54) DETECTION OF GENETIC OR MOLECULAR ABERRATIONS ASSOCIATED WITH CANCER  
(62) 2020201081

(71) The HookCups Group, Inc.  
(21) 2022202114 (22) 29.03.2022  
(54) Mooring device  
(31) 17/219,853 (32) 31.03.21 (33) US  
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(71) The Mosaic Company  
(21) 2022202177 (22) 30.03.2022  
(54) Incorporation of biological agents in fertilizers  
(62) 2020201961

(71) TNBT Holdings Pty Ltd  
(21) 2022202170 (22) 30.03.2022  
(54) A Snib  
(62) 2020202956

(71) TRUMA GERÄTETECHNIK GMBH & CO. KG  
(21) 2022202178 (22) 30.03.2022  
(54) Frost protection apparatus for water supply apparatus in recreational vehicles  
(62) 2019298495

(71) Tyme, Inc.  
(21) 2022202113 (22) 29.03.2022  
(54) Pharmaceutical compositions and methods  
(62) 2020201683

(71) VANDA PHARMACEUTICALS INC.  
(21) 2022202183 (22) 30.03.2022  
(54) CANCER TREATMENT  
(62) 2021261882

(71) Verisure Sàrl  
(21) 2022202186 (22) 30.03.2022  
(54) Smoke generator with deflector  
(62) 2017354117

(71) Vetco Gray Scandinavia AS  
(21) 2022202155 (22) 30.03.2022  
(54) SUBSEA CLAMP CONNECTOR AND SUBSEA CLAMP CONNECTOR ARRANGEMENT COMPRISING SUCH A CLAMP CONNECTOR  
(62) 2017266706

(71) Viera Logis Co.,Ltd.  
(21) 2022202185 (22) 30.03.2022  
(54) METHOD FOR MANUFACTURING SYNTHETIC GEMSTONE  
(62) 2019364089

(71) Viljevac, M.  
(21) 2022202105 (22) 28.03.2022  
(54) APPARATUS AND METHOD FOR ACCESSING A RACKING SYSTEM

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(54) Systems and methods for creating a universal record  
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(54) Authenticating transactions using risk scores derived from detailed device information  
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(71) Waymo LLC  
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(54) SOFTWARE VALIDATION FOR AUTONOMOUS VEHICLES  
(62) 2019205817

(71) Wilson Wolf Manufacturing Corporation  
(21) 2022202172 (22) 30.03.2022  
(54) Improved methods of cell culture for adoptive cell therapy  
(62) 2019240684

(71) X-Body, Inc.  
(21) 2022202076 (22) 25.03.2022  
(54) Target antigen discovery, phenotypic screens and use thereof for identification of target cell specific target epitopes  
(62) 2020200325

(71) Yun Yang Fire Safety Equipment Co., Ltd.  
(21) 2022202171 (22) 30.03.2022  
(54) FIRE NOTIFICATION SYSTEM WITH WIRELESS VOICE POSITIONING ALARM  
(31) 110112554 (32) 07.04.21 (33) TW

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

Applications listed below were processed through the Patent Office Canberra during the period ending 29 Mar 2022 .  
(This list may contain multiple listings of a patent application where there are multiple applicants for that patent.)

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**(71)** De Bortoli Wines Pty Limited  
**(21)** 2022100053      **(22)** 04.04.2022  
**(54)** Beverage dispenser  
**(62)** 2017247005



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**2022100053** De Bortoli Wines Pty Limited

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

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

The codes next to each number have the following meanings:

<b>Code</b>	<b>Meaning</b>
1	Application Lapsed Section 142(2)(a)
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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)
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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
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26	Application Lapsed Reg. 3.5AC(11)
27	Application Lapsed Reg. 3.5AF(2F)
28	Application Lapsed Reg. 22.15A(3)
A	Applications on which examination has not been requested or directed
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 2013228012 ( 14 ) 2013228040 ( 14 ) 2013228847 ( 14 )  
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**2014**

2014100282 ( 22 ) 2014100283 ( 22 ) 2014100291 ( 22 )  
 2014100292 ( 22 ) 2014101146 ( 22E ) 2014101479 ( 22 )  
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**2015**

2015100433 ( 22 ) 2015100822 ( 22G ) 2015101297 ( 22G )  
 2015101317 ( 22E ) 2015101518 ( 22 ) 2015201233 ( 14 )  
 2015201947 ( 14 ) 2015215854 ( 14 ) 2015227459 ( 14 )  
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 2015318782 ( 4C ) 2015318901 ( 14 ) 2015319188 ( 14 )  
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**2016**

2016100216 ( 22 ) 2016101605 ( 22E ) 2016200200 ( 14 )  
 2016202140 ( 14 ) 2016202737 ( 14 ) 2016203085 ( 14 )  
 2016204348 ( 5C ) 2016208267 ( 14 ) 2016211113 ( 5C )  
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 2016244306 ( 14 ) 2016244308 ( 14 ) 2016249408 ( 5C )  
 2016256455 ( 5C ) 2016257463 ( 5C ) 2016282349 ( 5C )  
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 2016333402 ( 14 ) 2016381771 ( 4C ) 2016397192 ( 14 )

**2017**

2017100289 ( 22 ) 2017101250 ( 22E ) 2017201582 ( 5C )  
 2017202407 ( 14 ) 2017202581 ( 1B ) 2017203886 ( 5C )  
 2017207744 ( 5C ) 2017211299 ( 5C ) 2017225012 ( 14 )  
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 2017366426 ( 4B ) 2017368084 ( 4B ) 2017379281 ( 5C )  
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**2018**

2018101348 ( 22E ) 2018101376 ( 22E ) 2018101378 ( 22E )  
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 2018254506 ( 1B ) 2018254574 ( 1B ) 2018254720 ( 1B )  
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 2018255258 ( 1B ) 2018255327 ( 1B ) 2018255381 ( 1B )  
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**2019**

2019100271 ( 22 ) 2019101044 ( 22E ) 2019101045 ( 22E )  
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 2019101075 ( 22E ) 2019101080 ( 22E ) 2019101083 ( 22E )  
 2019101087 ( 22E ) 2019101165 ( 22E ) 2019101773 ( 22E )  
 2019203970 ( 5C ) 2019209559 ( 5C ) 2019209580 ( 5C )  
 2019211023 ( 25D ) 2019214701 ( 5C ) 2019216608 ( 5C )  
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2019232895 ( 5C ) 2019236596 ( 5C ) 2019236597 ( 4C )  
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 2019242570 ( 5C ) 2019250231 ( 4C ) 2019259842 ( 5C )  
 2019261803 ( 5C ) 2019268061 ( 5C ) 2019268128 ( 5C )  
 2019275642 ( 5C ) 2019284066 ( 5C ) 2019320572 ( 5C )  
 2019322227 ( 5C ) 2019341064 ( 5C ) 2019397366 ( 25D )  
 2019456622 ( 1B )

**2020**

2020100195 ( 22 ) 2020100821 ( 22E ) 2020103595 ( 21F )  
 2020200017 ( 5C ) 2020200393 ( 5C ) 2020200676 ( 5C )  
 2020200693 ( 5C ) 2020201162 ( 4C ) 2020201381 ( 4C )  
 2020201386 ( 5C ) 2020201763 ( 4C ) 2020201898 ( 5C )  
 2020201980 ( 5C ) 2020202163 ( 5C ) 2020202736 ( 5C )  
 2020202772 ( 5C ) 2020203034 ( 5C ) 2020203050 ( 5C )  
 2020203189 ( 5C ) 2020203223 ( 5C ) 2020203415 ( 5C )  
 2020203877 ( 5C ) 2020204455 ( 5C ) 2020204555 ( 5C )  
 2020204571 ( 4C ) 2020204601 ( 25D ) 2020205218 ( 5C )  
 2020205329 ( 4C ) 2020207887 ( 5C ) 2020210269 ( 5C )  
 2020220108 ( 14 ) 2020227001 ( 4C ) 2020227050 ( 4C )  
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 2020277590 ( 5C ) 2020331565 ( 5C )

**2021**

2021102977 ( 16NN ) 2021103164 ( 21F ) 2021103291 ( 16NN )  
 2021103595 ( 21F ) 2021103731 ( 16NN ) 2021103780 ( 21F )  
 2021103797 ( 16NN ) 2021103988 ( 16NN ) 2021104042 ( 16NN )  
 2021200491 ( 4C ) 2021200927 ( 4C ) 2021201154 ( 5C )  
 2021201768 ( 4C ) 2021203931 ( 4C ) 2021204942 ( 1B )  
 2021240263 ( 12C ) 2021290392 ( 7AN )

**2022**

2022200003 ( 1B ) 2022200083 ( 1B ) 2022200118 ( 7AN )  
 2022200126 ( 1B ) 2022202069 ( 12AN )

**Assignments before Grant, Section 113**

**1993**

1993909460 Koehn, Ekkehard The application has been assigned to **Oceanic Shade Pty Ltd**

**1995**

1995900475 Koehn, Ekkehard The application has been assigned to **Oceanic Shade Pty Ltd**

**1996**

1996901735 Koehn, Ekkehard The application has been assigned to **Oceanic Shade Pty Ltd**

1996903504 Koehn, Ekkehard The application has been assigned to **Oceanic Shade Pty Ltd**

**1997**

1997034216 Koehn, Ekkehard The application has been assigned to **Oceanic Shade Pty Ltd**

**1999**

1999044525 Koehn, Ekkehard The application has been assigned to **Oceanic Shade Pty Ltd**

**2002**

2002902272 Koehn, Ekkehard The application has been assigned to **Oceanic Shade Pty Ltd**

**Assignments before Grant, Section 113**

**2003**

2003902175 Koehn, Ekkehard The application has been assigned to **Oceanic Shade Pty Ltd**

**2005**

2005904908 Koehn, Ekkehard The application has been assigned to **Oceanic Shade Pty Ltd**

**2007**

2007902169 Koehn, Ekkehard The application has been assigned to **Oceanic Shade Pty Ltd**

**2008**

2008201827 Koehn, Ekkehard The application has been assigned to **Oceanic Shade Pty Ltd**

**2012**

2012202921 Koehn, Ekkehard The application has been assigned to **Oceanic Shade Pty Ltd**

**2013**

2013900398 Koehn, Ekkehard The application has been assigned to **Oceanic Shade Pty Ltd**

**2014**

2014259491 Koehn, Ekkehard The application has been assigned to **Oceanic Shade Pty Ltd**

**2016**

2016210602 Koehn, Ekkehard The application has been assigned to **Oceanic Shade Pty Ltd**

2016234970 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2016266017 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2016273812 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2016273940 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2016323836 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2016323837 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2016330929 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2016381081 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

**Assignments before Grant, Section 113**

2016381082 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2016381084 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2016385484 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

**2017**

2017202316 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2017209981 IKS Pharma; Cubic Pharmaceuticals Ltd. The application has been assigned to **University of Greenwich; Cubic Pharmaceuticals Ltd.**

2017213801 Immunolight, LLC.; Duke University; North Carolina State University The application has been assigned to **Immunolight, LLC; Duke University**

2017218388 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2017218389 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2017225106 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2017261618 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2017286523 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2017291679 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2017345165 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2017353968 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2017363357 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2017364103 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2017377653 The University of Sydney The application has been assigned to **Kinoxis Therapeutics Pty Ltd**

2017379065 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2017379067 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

**Assignments before Grant, Section 113**

**2018**

2018200900 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2018201675 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2018201676 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2018202184 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2018202186 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2018216886 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2018236840 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2018236848 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2018239885 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2018244460 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2018247241 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2018261164 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2018271102 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2018273539 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2018276088 Isabrem Ltd. The application has been assigned to **Electrans Technologies Ltd.**

2018291078 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2018291097 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2018291098 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2018294561 ONXEO The application has been assigned to **ACRO-TECH BIOPHARMA LLC**

**Assignments before Grant, Section 113**

2018297380 Toocann International Pty Ltd The application has been assigned to **PANKAU, Adam**

2018300185 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2018323035 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2018341099 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2018342767 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2018343214 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2018378072 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2018381169 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2018381170 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2018381172 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2018389136 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2018399217 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2018399218 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

**2019**

2019203332 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2019203692 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2019204136 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2019208501 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2019222871 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2019222872 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

**Assignments before Grant, Section 113**

2019226300 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2019243289 Agios Pharmaceuticals, Inc. The application has been assigned to **Les Laboratoires Servier**

2019259791 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2019263111 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2019269203 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2019291580 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2019293644 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2019293645 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2019336987 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2019360443 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2019381834 Berken Energy, LLC The application has been assigned to **ATS IP, LLC**

2019393279 C.G.M. S.p.A. The application has been assigned to **META TECHNOLOGIES S.R.L.**

2019402149 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2019404124 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2019406888 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2019409364 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2019416130 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2019416198 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2019420618 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2019904123 Koehn, Ekkehard The application has been assigned to **Oceanic Shade Pty Ltd**

**Assignments before Grant, Section 113****2020**

2020202672 Battery Research Technology Limited The application has been assigned to **Phenogy AG**

2020203341 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2020207805 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2020207882 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2020216771 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2020222315 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2020223370 Metagenomi IP Technologies, LLC. The application has been assigned to **Metagenomi, Inc.**

2020223745 Borgmeister & Soehne Ltd. The application has been assigned to **Enviro Group GmbH**

2020230223 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2020230225 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2020234406 Korea University Research and Business Foundation The application has been assigned to **MxT Biotech**

2020239739 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2020247555 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2020260522 Koehn, Ekkehard The application has been assigned to **Oceanic Shade Pty Ltd**

2020274637 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2020284714 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2020294176 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2020294754 Scandinavian Trap & Skeet ApS The application has been assigned to **Nordic Sporting Clays ApS**

**2021**

2021200514 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

**Assignments before Grant, Section 113**

2021201962 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2021201963 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2021202365 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2021202367 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2021202557 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2021203531 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2021203675 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2021212055 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2021218179 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2021221545 Wilson, Tristan; Mackenzie, Alexander The application has been assigned to **Fisher & Paykel Healthcare Limited**

2021229206 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2021240334 Johnson & Johnson Consumer Inc. The application has been assigned to **Johnson & Johnson Consumer Inc.**

2021254623 University of Miyazaki The application has been assigned to **Himuka AM Australia Pty Ltd.**

2021900927 Monash University The application has been assigned to **Voelcker, Nicolas Hans; Busto, Victor Javier Cadarso; Frith, Jessica**

2021900972 Monash University The application has been assigned to **Advanced Fuel Innovation Pty Ltd; Monash University**

2021901406 Webb, Roslyn Elizabeth The application has been assigned to **EAF Industries Pty Ltd**

2021903929 MERISY PTY LTD The application has been assigned to **3DS MIKE PT Y LTD**

**Extensions of Time, Section 223****Applications Received**

**Extensions of Time, Section 223**

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

**2015**

2015295349 **Collectis** An application to extend the time from 29 Jul 2021 to 28 Feb 2022 in which to pay a renewal fee has been filed . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

**Applications Allowed - Section 223(2)****2007**

2007257480 **Agarwal, A.** The time in which to pay a renewal fee has been extended to 05 Jan 2022 . Address for service - AJ PARK GPO Box 2513 Sydney NSW 2001 AU

**2014**

2014249310 **DFI USA, LLC** The time in which to pay a renewal fee has been extended to 10 Oct 2021 . Address for service - Griffith Hack Level 10 161 Collins St MELBOURNE VIC 3000 AU

**2016**

2016203964 **STRAP N GO PTY LTD** The time in which to pay a renewal fee has been extended to 14 Jan 2022 . Address for service - Cotters Patent & Trade Mark Attorneys GPO Box 469 Sydney NSW 2001 AU

**2017**

2017200328 **FALETRA, T.** The time in which to pay a continuation fee has been extended to 18 Nov 2021 . Address for service - Cotters Patent & Trade Mark Attorneys GPO Box 469 Sydney NSW 2001 AU

**2018**

2018100337 **D.C RICHARDS & P.M RICHARDS** The time in which to pay a renewal fee has been extended to 19 Nov 2021 . Address for service - D.C RICHARDS & P.M RICHARDS po box 853 mossman QLD 4873 AU

2018226615 **Process Plants International Pty Ltd** The time in which to request examination has been extended to 14 Apr 2022 . Address for service - Process Plants International Pty Ltd PO Box 1158 Fremantle WA 6959 AU

2018248425 **Alkahest Inc.** The time in which to request examination has been extended to 18 Apr 2022 . Address for service - Catalyst Intellectual Property PO BOX Q1466 QUEEN VICTORIA BUILDING Sydney NSW 1230 AU

**2019**

2019100541 **SENQUIP PTY LTD** The time in which to pay a renewal fee has been extended to 20 Jan 2022 . Address for service - SENQUIP PTY LTD 20 Trotter Road Bobs Farm NSW 2316 AU

**2020**

2020230302 **Chemokind, Inc.** The time in which to pay a continuation fee has been extended to 25 Nov 2021 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2020288047 **LG ELECTRONICS INC.** The time in which to enter the National Phase has been extended to 05 Apr 2022 . Address for service

**Extensions of Time, Section 223**

- Dentons Patent Attorneys Australasia Limited 18 Viaduct Harbour Avenue Auckland CBD 1142 NZ

**2022**

2022201069 **Rockwell Collins, Inc.** The time in which to claim the convention priority date has been extended to 09 Mar 2022 . Address for service - Griffith Hack Level 10 161 Collins St MELBOURNE VIC 3000 AU

**Amendments****Applications for Amendment**

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

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

**2009**

2009233658 A lever and pull handle arrangement for a door **Alle-gion (Australia) Pty Ltd** The nature of the amendment is as shown in the statement(s) filed 07 Mar 2022 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

**2012**

2012358267 Processes using VLPs with capsids resistant to hydrolases **Summers, N. ; Delaney, K. ; Arhancet, J. ; Hall, K. ; Apse, LLC ; Arhancet, J.** The nature of the amendment is: Remove the following Patentees, Neena Summers; Kimberly Delaney; Juan Pedro Humberto Arhancet; Kathleen B. Hall; Juan P. Arhancet and Apse, LLC. Then add Apse, INC. as the only Patentee . Address for service - Wrays L7 863 Hay St Perth WA 6000 AU

**2015**

2015292889 Molecules that selectively activate regulatory T cells for the treatment of autoimmune diseases **Delinia, Inc.** The nature of the amendment is as shown in the statement(s) filed 31 Jan 2022 . Address for service - Pizeys Patent and Trade Mark Attorneys Pty Ltd PO Box 291 WODEN ACT 2606 AU

**2016**

2016301315 Combination therapies for treatment of cancer **Sum-itomo Dainippon Pharma Oncology, Inc.** The nature of the amendment is as shown in the statement(s) filed 11 Mar 2022 . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

2016378925 Eye treatment system **Edinburgh Biosciences Limited** The nature of the amendment is: Amend the name of the inventor to read Smith, Desmond and Kerr, Alan . Address for service - FB Rice Pty Ltd Level 23 44 Market Street Sydney NSW 2000 AU

**2017**

2017274416 Compositions and methods for treating inflammatory bowel diseases (IBDS) and other disorders **Crestovo Holdings LLC** The nature of the amendment is as shown in the statement(s)



**Amendments**

filed 24 Mar 2022 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2017293023 Novel natural protein and application thereof **Shanghai Clear Fluid Biomedical Science Co., Ltd.** The nature of the amendment is: Correct the name of the Patentee to read Shanghai Clear Fluid Biomedical Science & Technology Co., Ltd. . Address for service - Pizzeys Patent and Trade Mark Attorneys Pty Ltd PO Box 291 WODEN ACT 2606 AU

2017429631 Fabricating a device using a multilayer stack **Google LLC** The nature of the amendment is as shown in the statement(s) filed 21 Mar 2022 . Address for service - Pizzeys Patent and Trade Mark Attorneys Pty Ltd GPO Box 1374 Brisbane QLD 4001 AU

**2019**

2019315778 Crystalline forms of a LTA4H inhibitor **Novartis AG** The nature of the amendment is as shown in the statement(s) filed 21 Mar 2022 . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

2019390331 Data transmission method and device, and terminal **GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.** The nature of the amendment is as shown in the statement(s) filed 28 Mar 2022 . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

**2020**

2020201598 SYNERGISTIC BACTERIAL COMPOSITIONS AND METHODS OF PRODUCTION AND USE THEREOF **Seres Therapeutics, Inc.** The nature of the amendment is as shown in the statement(s) filed 29 Mar 2022 . Address for service - Phillips Ormonde Fitzpatrick PO Box 323 COLLINS STREET WEST VIC 8007 AU

2020202779 PROGRAMMABLE UNIVERSAL QUANTUM ANNEALING WITH CO-PLANAR WAVEGUIDE FLUX QUBITS **Google LLC** The nature of the amendment is as shown in the statement(s) filed 31 Mar 2022 . Address for service - Pizzeys Patent and Trade Mark Attorneys Pty Ltd GPO Box 1374 Brisbane QLD 4001 AU

2020233647 NOVEL NATURAL PROTEIN AND APPLICATION THEREOF **Shanghai Clear Fluid Biomedical Science Co., Ltd.** The nature of the amendment is: Correct the name of the applicant to read: Shanghai Clear Fluid Biomedical Science & Technology Co., Ltd. . Address for service - Pizzeys Patent and Trade Mark Attorneys Pty Ltd GPO Box 1374 Brisbane QLD 4001 AU

**Amendments Made**

**2002**

2002349001 **Gruenthal GmbH** The nature of the amendment is as shown in the statement filed 27 Oct 2021

**2009**

2009347078 **Koninklijke Douwe Egberts B.V.** The nature of the amendment is as shown in the statement(s) filed 27 May 2019

**Amendments**

**2016**

2016220088 **Iowa State University Research Foundation, Inc.** The nature of the amendment is as shown in the statement(s) filed 05 Jan 2022

2016271303 **Xeno Biosciences Inc.** The nature of the amendment is as shown in the statement(s) filed 21 Dec 2021

2016272926 **NMC, Inc.; Los Alamos National Security, LLC** The nature of the amendment is as shown in the statement(s) filed 05 Jan 2022

2016325554 **Infinity Physics, LLC** The nature of the amendment is as shown in the statement(s) filed 03 Jan 2022

**2017**

2017203738 **Joy Global Surface Mining Inc** The nature of the amendment is as shown in the statement(s) filed 25 Nov 2021

2017279585 **Handan Shiwei New Materials Co. Ltd.** The nature of the amendment is: Amend the name of the inventor to read SHI, Hao-tian

2017286777 **Southern Implants (Pty) Ltd** The nature of the amendment is as shown in the statement(s) filed 24 Dec 2021

2017416737 **NTT DOCOMO, INC.** The nature of the amendment is: Amend the invention title to read Radio Base Station and Radio Communication Method

**2018**

2018262902 **KPMG Australia IP Holdings Pty Ltd** The nature of the amendment is: Application is to proceed under the number 2018102239

2018263139 **Batthyány, C.; Institut Pasteur de Montevideo** The nature of the amendment is: Amend the name of the inventor to read Hill, Marcelo; Segovia, Mercedes; Russo, Sofia; Jeldres, Mathias; Mahmoud, Yamil Damián; Girotti, Maria Romina and Vega, Maite Duhalde

2018354528 **MedPacto, Inc.; Advanced Institute of Convergence Technology** The nature of the amendment is: To amend the co-applicant name to MedPacto, Inc.

2018367388 **ExxonMobil Upstream Research Company** The nature of the amendment is as shown in the statement filed 19 Nov 2021

**2019**

2019206672 **ZTE Corporation** The nature of the amendment is as shown in the statement(s) filed 10 Jan 2022

2019216689 **Novartis AG; The Trustees of the University of Pennsylvania** The nature of the amendment is as shown in the statement(s) filed 23 Dec 2021

2019229870 **Citrix Systems, Inc.** The nature of the amendment is as shown in the statement(s) filed 07 Jan 2022

**Amendments**

2019272261 **Soft Space Sdn Bhd** The nature of the amendment is as shown in the statement(s) filed 25 Mar 2022

2019302641 **Boston Scientific Scimed, Inc.** The nature of the amendment is as shown in the statement filed 18 Mar 2022

2019363541 **Breville Pty Limited** The nature of the amendment is: Amend the name of the inventor to read FRYER, Scott; TOFAILI, Ali; PSAROLOGOS, Con and REN, Xiang

2019458656 **Nippon Telegraph and Telephone Corporation** The nature of the amendment is: Amend the invention title to read Verification information generating system, verification information generating method, and verification information generating program

2019469404 **Nippon Telegraph and Telephone Corporation** The nature of the amendment is: Amend the invention title to read Secret multiple repetition calculation apparatus, method and program

**2020**

2020102810 **Ronda, V.** The nature of the amendment is as shown in the statement(s) filed 01 Dec 2021

2020203040 **Stevenson, R.A.; Stevenson, W.L.; Stevenson, J.L.; Stevenson, R.A.** The nature of the amendment is: Amend the name of the inventor to read Stevenson, Robert A.; Stevenson, Wendy L.; Stevenson, Jennifer L. and Stevenson, Ryan A.

2020206884 **Yeda Research and Development Co. Ltd.; Dana-Farber Cancer Institute, Inc.; Beth Israel Deaconess Medical Center, Inc.** The nature of the amendment is: Amend the name of the inventor to read LONDON, Nir; ZAIDMAN, Daniel; DUBIELLA, Christian; GRAY, Nathanael S.; PINCH, Benika Joan; LU, Kun Ping; LOOK, Alfred Thomas; HE, Shuning; ZHOU, Xiao Zhen; LIAN, Xiaolan and DHE-PANGANON, Sirano

2020309832 **BajaBoard International Pty Ltd** The nature of the amendment is: Remove the name of the co-inventor MURPHY, James

2020326698 **Seer, Inc.** The nature of the amendment is: Amend the name of the inventor to read MANNING, William; KIM, Young; KWAN-LEONG, Brandon; LIOU, Hope; ZHAO, Xiaoyan; HORNBERG, Daniel and GOLDBERG, Martin

2020327664 **Sustainable Marine Energy Limited** The nature of the amendment is: Amend the invention title to read FIXATION DEVICE AND INSTALLATION METHOD

2020337710 **LG Electronics Inc.** The nature of the amendment is: Amend the invention title to read APPARATUS AND METHOD FOR IMAGE CODING BASED ON FILTERING

2020337927 **Netflix, Inc.** The nature of the amendment is: Amend the invention title to read High efficiency interactive testing platform

2020343788 **Shenyang Sinochem Agrochemicals R&D Co., Ltd.; Jiangsu Yangnong Chemical Co., Ltd.** The nature of the amendment is: Amend the invention title to read PIPERONYLIC ACID DERIVATIVE AND APPLICATION THEREOF

**Amendments**

2020354583 **NuVasive, Inc.** The nature of the amendment is: Amend the priority details to read 62/905,340 24 Sep 2019 US and 62/905,379 24 Sep 2019 US

2020358162 **Intas Pharmaceuticals Ltd.** The nature of the amendment is: Amend the name of the inventor to read SUÑÉ NEGRE, José María; ROIG CARRERAS, Manuel; SUÑÉ POU, Marc; FORMOSA MÁRQUEZ, Xavier; CHAUHAN, Manishkumar Jayantibhai; NAIDU, Venkataramana; PATEL, Manish Mavjibhai and RICART, Anna Nardi

2020388534 **Medicortex Finland Oy** The nature of the amendment is: Application is to proceed under the number 2020104474

**2021**

2021103756 **Guangdong University of Technology** The nature of the amendment is: Amend the name of the inventor to read LIU, Jiajun; LI, Xuhao; ZUO, Minghao; CHEN, Yuning; LI, Changhui; WANG, Zizeng and FENG, Li

2021203299 **KLK Ceilings Pty Ltd** The nature of the amendment is: Application is to proceed under the number 2021107660

**2022**

2022201532 **Apple Inc.** The nature of the amendment is: Add the names of co-inventors KVARDA, Lisa K. and MCGANN, Jared K.

2022202032 **Aristocrat Technologies, Inc.** The nature of the amendment is: Amend the invention title to read GAMING DEVICE WITH MOBILE WIN SELECTOR

2022900488 **Start Smart Investments Pty Ltd; AZL Holdings Pty Ltd** The nature of the amendment is: To add co-applicant as Start Smart Investments Pty Ltd

2022900741 **Silicon Quantum Computing Pty Limited** The nature of the amendment is: To amend the applicant name to read Silicon Quantum Computing Pty Limited

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

**2010**

2010223919 **Les Laboratoires Servier SAS** The name of the patentee has been altered to **Les Laboratoires Servier**

**2011**

2011239988 **Sharp Fluidics LLC** The name of the patentee has been altered to **Sharp Fluidics Inc.**

2011278998 **Les Laboratoires Servier SAS** The name of the patentee has been altered to **Les Laboratoires Servier**

**2013**

2013211436 **Les Laboratoires Servier SAS** The name of the patentee has been altered to **Les Laboratoires Servier**

2013347771 **Les Laboratoires Servier SAS** The name of the patentee has been altered to **Les Laboratoires Servier**

**Amendments**

**2014**

2014263290 Press Glass Spolka Akcyjna The name of the patentee has been altered to **Press Glass Holding Spółka Akcyjna**

2014289744 Les Laboratoires Servier SAS The name of the patentee has been altered to **Les Laboratoires Servier**

**2015**

2015229212 Les Laboratoires Servier SAS The name of the patentee has been altered to **Les Laboratoires Servier**

2015229214 Les Laboratoires Servier SAS The name of the patentee has been altered to **Les Laboratoires Servier**

2015231053 Les Laboratoires Servier SAS The name of the patentee has been altered to **Les Laboratoires Servier**

2015249277 Sharp Fluidics LLC The name of the patentee has been altered to **Sharp Fluidics Inc.**

**2016**

2016204346 Les Laboratoires Servier SAS The name of the patentee has been altered to **Les Laboratoires Servier**

**2017**

2017265100 Les Laboratoires Servier SAS The name of the patentee has been altered to **Les Laboratoires Servier**

2017360092 Ruhr-Universität Bochum The name of the applicant has been altered to **betaSENSE GmbH**

2017360097 Ruhr-Universität Bochum The name of the applicant has been altered to **betaSENSE GmbH**

**2018**

2018251987 Cold Genesys, Inc. The name of the applicant has been altered to **CG Oncology, Inc.**

2018263139 Batthyány, Carlos; Institut Pasteur de Montevideo The name of the applicant has been altered to **Conicet; Batthyány, C.; Institut Pasteur de Montevideo**

2018281316 Intrexon Corporation The name of the applicant has been altered to **Precigen, Inc.**

2018319216 Jing Jin Environmental Protection Inc. The name of the patentee has been altered to **Jingjin Equipment Inc**

2018320102 Lenus Lab The name of the applicant has been altered to **Twinpig Biolab Inc.**

**2019**

2019201179 Les Laboratoires Servier SAS The name of the patentee has been altered to **Les Laboratoires Servier**

2019232825 Les Laboratoires Servier SAS The name of the patentee has been altered to **Les Laboratoires Servier**

**Amendments**

2019246824 Les Laboratoires Servier SAS The name of the patentee has been altered to **Les Laboratoires Servier**

2019270336 Oncology Venture ApS The name of the applicant has been altered to **Allarity Therapeutics Europe ApS**

2019283951 Les Laboratoires Servier SAS The name of the patentee has been altered to **Les Laboratoires Servier**

2019301692 InnovaTech, LLC The name of the applicant has been altered to **Innovatech Systems, LLC**

**2020**

2020294893 Oncology Venture ApS The name of the applicant has been altered to **Allarity Therapeutics Europe ApS**

2020336272 Terns, Inc. The name of the applicant has been altered to **Terns Pharmaceuticals, Inc.**

2020338767 Sichuan Haisco Pharmaceutical Co., Ltd.; Liaoning Haisco Pharmaceutical Co., Ltd.; Haisco Pharmaceutical Group Inc. The name of the applicant has been altered to **Sichuan Haisco Pharmaceutical Co., Ltd.; Liaoning Haisco Pharmaceutical Co., Ltd.; Haisco Pharmaceutical Group Co., Ltd.**

**2021**

2021106967 YOGEV, Mickie The name of the patentee has been altered to **YOGEV, M.M.M.**

Applications Open to Public Inspection

Name Index

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

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(71) 360 Knee Systems Pty Ltd  
 (11) AU-A-2022202026  
 (21) 2022202026 (22) 23.03.2022  
 (54) Graphical representation of a dynamic knee score for a knee surgery  
 (51) Int. Cl.  
*G06F 30/20* ( 2020.01 )  
*G06N 20/00* ( 2019.01 )  
*G06T 17/00* ( 2006.01 )  
 (43) 14.04.2022  
 (62) 2016411801  
 (72) O'CONNOR, Bede; MILES, Brad; THEODORE, Willy; TWIGGS, Joshua  
 (74) FB Rice Pty Ltd

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(71) Accenture Global Solutions Limited  
 (11) AU-A-2022201968  
 (21) 2022201968 (22) 22.03.2022  
 (54) PRIVACY-SECURE EDGE-ZONE COMPUTING FOR SECURE-OPERATION AUTHORIZATION  
 (51) Int. Cl.  
*H04L 9/06* ( 2006.01 )  
*G06F 21/62* ( 2013.01 )  
*H04L 9/40* ( 2022.01 )  
 (43) 14.04.2022  
 (62) 2020230240  
 (72) TREAT, David B.; KUHRT, Tracy Ann; GIORDANO, Giuseppe; LEONG, Chit Wah Christine  
 (74) Murray Trento & Associates Pty Ltd

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(71) Adobe Inc.  
 (11) AU-A-2021209240  
 (21) 2021209240 (22) 28.07.2021  
 (54) SYSTEMS FOR SHADING VECTOR OBJECTS  
 (51) Int. Cl.  
*G06T 15/80* ( 2011.01 )  
*G06T 15/04* ( 2011.01 )  
 (31) 17/034,892 (32) 28.09.20 (33) US  
 (43) 14.04.2022  
 (72) PHOGAT, Ankit; BATRA, Vineet  
 (74) RnB IP Pty Ltd

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**Agenus Inc. see The Board of Regents of the University of Oklahoma**  
 (21) 2022201998

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**AGENUS INC. see LUDWIG INSTITUTE FOR CANCER RESEARCH LTD**  
 (21) 2022202108

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(71) Alarm.com Incorporated  
 (11) AU-A-2022201957  
 (21) 2022201957 (22) 22.03.2022

(54) SECURITY SYSTEM COMMUNICATOR AND KEYPAD DEVICE  
 (51) Int. Cl.  
*G08B 13/196* ( 2006.01 )  
*G08B 25/14* ( 2006.01 )  
 (43) 14.04.2022  
 (62) 2017357080  
 (72) Kerzner, Daniel Todd; Watson, Zachary; Barth, Adam T.  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

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(71) ALMAC S.R.L.  
 (11) AU-A-2021236530  
 (21) 2021236530 (22) 23.09.2021  
 (54) Mobile elevating work platform  
 (51) Int. Cl.  
*B66F 11/04* ( 2006.01 )  
*B62D 55/084* ( 2006.01 )  
*B66B 9/16* ( 2006.01 )  
*B66F 9/20* ( 2006.01 )  
 (31) 10202000022831 (32) 28.09.20 (33) IT  
 (43) 14.04.2022  
 (72) DOSI, Lorenzo; ARTONI, Andrea  
 (74) Spruson & Ferguson

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(71) Alnylam Pharmaceuticals, Inc.  
 (11) AU-A-2022201993  
 (21) 2022201993 (22) 23.03.2022  
 (54) Angiotensin-like 3 (ANGPTL3) iRNA compositions and methods of use thereof  
 (51) Int. Cl.  
*C07H 21/04* ( 2006.01 )  
 (43) 14.04.2022  
 (62) 2021201547  
 (72) BETTENCOURT, Brian; QUERBES, William; FITZGERALD, Kevin; FRANK-KAMENETSKY, Maria; MILSTEIN, Stuart; SHULGA-MORSKAYA, Svetlana  
 (74) FB Rice Pty Ltd

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(71) Angel Group Co., Ltd.  
 (11) AU-A-2022202078  
 (21) 2022202078 (22) 27.03.2022  
 (54) CARD DISCARDING DEVICE FOR TABLETOP GAME  
 (51) Int. Cl.  
*A63F 1/06* ( 2006.01 )  
 (43) 14.04.2022  
 (62) 2020223767  
 (72) Shigeta, Yasushi  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

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(71) Apple Inc.  
 (11) AU-A-2022202044  
 (21) 2022202044 (22) 24.03.2022  
 (54) Content-based tactile outputs  
 (51) Int. Cl.

*G06F 3/01* ( 2006.01 )  
*G06F 3/0362* ( 2013.01 )  
*G06F 3/0484* ( 2022.01 )  
*G06F 3/0485* ( 2022.01 )  
*G06F 3/0488* ( 2022.01 )  
 (43) 14.04.2022  
 (62) 2019337519  
 (72) MOUSSETTE, Camille; BLOOM, David H.; BUTCHER, Gary Ian; EDWARDS, Dylan Ross; FENNIS, Jules K.; GLEESON, Brian T.; HE, Miao; SUNDSTROM, Matthew J.; DYE, Alan C.; TRIVERIO, Marco  
 (74) FPA Patent Attorneys Pty Ltd

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(71) ARB Corporation Ltd  
 (11) AU-A-2022202116  
 (21) 2022202116 (22) 29.03.2022  
 (54) Assemblies for supporting a load relative to a roof of a vehicle  
 (51) Int. Cl.  
*B60R 9/042* ( 2006.01 )  
*B60R 9/048* ( 2006.01 )  
 (43) 14.04.2022  
 (62) 2020200162  
 (72) Menegazzo, Andrew Guy; Luke, James Kenneth Robert; Smith, Gavin James  
 (74) FB Rice Pty Ltd

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(71) Archemix LLC  
 (11) AU-A-2022202115  
 (21) 2022202115 (22) 29.03.2022  
 (54) Complement binding aptamers and anti-C5 agents useful in the treatment of ocular disorders  
 (51) Int. Cl.  
*A61K 31/155* ( 2006.01 )  
*A61K 31/64* ( 2006.01 )  
*A61K 48/00* ( 2006.01 )  
*C12N 15/115* ( 2010.01 )  
 (43) 14.04.2022  
 (62) 2020201145  
 (72) EPSTEIN, David; KURZ, Jeff C.  
 (74) Spruson & Ferguson

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(71) Aristocrat Technologies, Inc.  
 (11) AU-A-2021240247  
 (21) 2021240247 (22) 30.09.2021  
 (54) LATCHING ASSEMBLY FOR A PUSH-BUTTON OF AN ELECTRONIC GAMING MACHINE  
 (51) Int. Cl.  
*G07F 17/32* ( 2006.01 )  
*A63F 13/90* ( 2014.01 )  
 (31) 17/039,344 (32) 30.09.20 (33) US  
 (43) 14.04.2022  
 (72) RODRIGUEZ, Frank; McCLINTOCK, Lindsay  
 (74) Griffith Hack

Applications Open to Public Inspection - Name Index cont'd

(71) Aristocrat Technologies, Inc.  
 (11) AU-A-2021240282  
 (21) 2021240282 (22) 30.09.2021  
 (54) GAMING SYSTEM PROVIDING GROUP-BASED AWARDS  
 (51) Int. Cl.  
 G07F 17/32 ( 2006.01 )  
 A63F 13/31 ( 2014.01 )  
 (31) 17/039,548 (32) 30.09.20 (33) US  
 (43) 14.04.2022  
 (72) SANTISI, Steven; BOLLING, Jr., T. Grant  
 (74) Griffith Hack

(71) Aristocrat Technologies Australia Pty Limited  
 (11) AU-A-2022202066  
 (21) 2022202066 (22) 25.03.2022  
 (54) A GAMING SYSTEM AND A METHOD OF GAMING  
 (51) Int. Cl.  
 A63F 13/40 ( 2014.01 )  
 (43) 14.04.2022  
 (62) 2020202117  
 (72) FONG, COLIN  
 (74) Griffith Hack

(71) ArQule, Inc.  
 (11) AU-A-2022201947  
 (21) 2022201947 (22) 21.03.2022  
 (54) Solid forms of substituted 5,6-dihydro-6-phenylbenzof[isoquinolin-2-amine compounds  
 (51) Int. Cl.  
 C07D 239/84 ( 2006.01 )  
 A61K 31/517 ( 2006.01 )  
 (43) 14.04.2022  
 (62) 2016369523  
 (72) Bates, Craig; Reed, David P.  
 (74) FPA Patent Attorneys Pty Ltd

(71) Arvinas, Inc.  
 (11) AU-A-2022202089  
 (21) 2022202089 (22) 28.03.2022  
 (54) TAU-PROTEIN TARGETING PROTACS AND ASSOCIATED METHODS OF USE  
 (51) Int. Cl.  
 C07D 471/04 ( 2006.01 )  
 A61K 31/4035 ( 2006.01 )  
 A61K 31/437 ( 2006.01 )  
 A61K 31/4439 ( 2006.01 )  
 (43) 14.04.2022  
 (62) 2017367872  
 (72) Crew, Andrew P.; Berlin, Michael; Flanagan, John J.; Dong, Hanqing; Ishchenko, Alexey  
 (74) Phillips Ormonde Fitzpatrick

(71) Astellas Institute for Regenerative Medicine  
 (11) AU-A-2022201986  
 (21) 2022201986 (22) 22.03.2022  
 (54) Photoreceptors and photoreceptor progenitors produced from pluripotent stem cells  
 (51) Int. Cl.

C12N 5/074 ( 2010.01 )  
 A61K 35/12 ( 2015.01 )  
 (43) 14.04.2022  
 (62) 2019253874  
 (72) LANZA, Robert P.; LU, Shi-Jiang; WANG, Wei  
 (74) Griffith Hack

(71) Automatic Technology (Australia) Pty Ltd  
 (11) AU-A-2022202012  
 (21) 2022202012 (22) 23.03.2022  
 (54) A system for a lock for a closure, a lock for use with such a system, and a closure system  
 (51) Int. Cl.  
 E05B 47/00 ( 2006.01 )  
 E06B 9/11 ( 2006.01 )  
 (43) 14.04.2022  
 (62) 2016273920  
 (72) Baker, Geoffrey; Hawkins, Raymond; Pimenov, Serguei  
 (74) FPA Patent Attorneys Pty Ltd

(71) AVECHO BIOTECHNOLOGY LIMITED  
 (11) AU-A-2022201954  
 (21) 2022201954 (22) 21.03.2022  
 (54) PROCESS  
 (51) Int. Cl.  
 C07B 47/00 ( 2006.01 )  
 C07F 9/113 ( 2006.01 )  
 C07F 9/12 ( 2006.01 )  
 C07J 1/00 ( 2006.01 )  
 (43) 14.04.2022  
 (62) 2017381395  
 (72) Geytenbeek, Stephen; Stirling, Andrew; Gavin, Paul  
 (74) FOUNDRY INTELLECTUAL PROPERTY PTY LTD

(71) BASF Plant Science Company GmbH  
 (11) AU-A-2022202025  
 (21) 2022202025 (22) 23.03.2022  
 (54) Stabilising fatty acid compositions  
 (51) Int. Cl.  
 C12N 15/82 ( 2006.01 )  
 (43) 14.04.2022  
 (62) 2015344977  
 (72) Senger, Toralf; Haertel, Heiko  
 (74) Griffith Hack

(71) Bayer HealthCare LLC  
 (11) AU-A-2022202007  
 (21) 2022202007 (22) 23.03.2022  
 (54) Single-use disposable set connector  
 (51) Int. Cl.  
 A61M 5/142 ( 2006.01 )  
 A61M 5/145 ( 2006.01 )  
 A61M 5/168 ( 2006.01 )  
 (43) 14.04.2022  
 (62) 2019253887  
 (72) Sokolov, Richard; Cullen, Benjamin James; Norcott, Alison Ruth; Monis, Ernesto Hueso; Law, Kamman; Profaca, Mark Silvio; Hauray, John A.; Swantner, Michael  
 (74) Davies Collison Cave Pty Ltd

(71) Becton, Dickinson and Company  
 (11) AU-A-2022201943  
 (21) 2022201943 (22) 21.03.2022  
 (54) Needle actuator assembly for drug delivery system  
 (51) Int. Cl.  
 A61M 5/142 ( 2006.01 )  
 A61M 5/158 ( 2006.01 )  
 A61M 5/20 ( 2006.01 )  
 (43) 14.04.2022  
 (62) 2017277776  
 (72) QUINN, Michael Vincent; MAHDI, Mohammed; GAZELEY, Oliver Charles; SENIOR, James Alexander; BOYD, Malcolm Stanley  
 (74) FB Rice Pty Ltd

(71) Becton Dickinson and Company Limited  
 (11) AU-A-2022201951  
 (21) 2022201951 (22) 21.03.2022  
 (54) Syringe adapter with secure connection  
 (51) Int. Cl.  
 A61M 39/10 ( 2006.01 )  
 (43) 14.04.2022  
 (62) 2019255500  
 (72) KIM, Jayeon; LEE, Christopher  
 (74) FB Rice Pty Ltd

(71) Bigfoot Biomedical, Inc.  
 (11) AU-A-2022202031  
 (21) 2022202031 (22) 23.03.2022  
 (54) Medicine injection and disease management systems, devices, and methods  
 (51) Int. Cl.  
 A61M 5/14 ( 2006.01 )  
 A61M 5/168 ( 2006.01 )  
 A61M 5/172 ( 2006.01 )  
 G16C 10/00 ( 2019.01 )  
 (43) 14.04.2022  
 (62) 2017335762  
 (72) Desborough, Lane; Mazlish, Bryan; Sjölund, Per John; Bochenko, Andrew; Naylor, Ross  
 (74) WRAYS PTY LTD

(71) BioSpecifics Technologies Corporation; Duke University  
 (11) AU-A-2022201984  
 (21) 2022201984 (22) 22.03.2022  
 (54) Treatment method and product for uterine fibroids using purified collagenase  
 (51) Int. Cl.  
 A61K 38/48 ( 2006.01 )  
 A61P 35/00 ( 2006.01 )  
 (43) 14.04.2022  
 (62) 2019219834  
 (72) Leppert, Phyllis Carolyn; Wegman, Thomas L.  
 (74) Davies Collison Cave Pty Ltd

(71) BioXcel Therapeutics, Inc.  
 (11) AU-A-2022201950  
 (21) 2022201950 (22) 21.03.2022

Applications Open to Public Inspection - Name Index cont'd

- (54) A novel approach for treatment of cancer using immunomodulation  
 (51) Int. Cl.  
*C07K 16/24* ( 2006.01 )  
*A61K 38/04* ( 2006.01 )  
*A61K 45/08* ( 2006.01 )  
*C12N 15/11* ( 2006.01 )  
 (43) 14.04.2022  
 (62) 2020200953  
 (72) MEHTA, Vimal D.; RASTELLI, Luca; SAPRA, Aparna Katoch  
 (74) Spruson & Ferguson

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 (21) 2022201982

- (71) Boehringer Ingelheim Animal Health USA Inc.  
 (11) AU-A-2022202034  
 (21) 2022202034 (22) 24.03.2022  
 (54) Antiparasitic isoxazoline compounds, long-acting injectable formulations comprising them, methods and uses thereof  
 (51) Int. Cl.  
*C07D 261/04* ( 2006.01 )  
*A01N 43/80* ( 2006.01 )  
*A01P 3/00* ( 2006.01 )  
*A01P 7/02* ( 2006.01 )  
*A01P 7/04* ( 2006.01 )  
*A61K 9/00* ( 2006.01 )  
*A61K 31/422* ( 2006.01 )  
*A61K 47/00* ( 2006.01 )  
 (43) 14.04.2022  
 (62) 2021202118  
 (72) LE HIR DE FALLOIS, Lois Patrick; MENG, Charles Q.; CADY, Susan Mancini; CHEIFETZ, Peter; GALESKA, Izabela  
 (74) FB Rice Pty Ltd

- (71) Boehringer Ingelheim Animal Health USA Inc.  
 (11) AU-A-2022202035  
 (21) 2022202035 (22) 24.03.2022  
 (54) Extended release injectable formulations comprising an isoxazoline active agent, methods and uses thereof  
 (51) Int. Cl.  
*A61K 31/422* ( 2006.01 )  
*A61K 9/00* ( 2006.01 )  
*A61K 47/10* ( 2017.01 )  
*A61P 33/00* ( 2006.01 )  
*A61P 33/14* ( 2006.01 )  
 (43) 14.04.2022  
 (62) 2020210266  
 (72) CADY, Susan Mancini; CHEIFETZ, Peter; GALESKA, Izabela; DE FALLOIS, Loic Le Hir  
 (74) FB Rice Pty Ltd

- (71) Boyle, N.  
 (11) AU-A-2022201952  
 (21) 2022201952 (22) 21.03.2022  
 (54) ABALONE FARMING APPARATUS AND METHODS

- (51) Int. Cl.  
*A01K 61/51* ( 2017.01 )  
*A01K 61/00* ( 2017.01 )  
 (43) 14.04.2022  
 (62) 2017233540  
 (72) Boyle, Norman  
 (74) FOUNDRY INTELLECTUAL PROPERTY PTY LTD

- (71) Building Block Nutritionals, LLC  
 (11) AU-A-2022201873  
 (21) 2022201873 (22) 17.03.2022  
 (54) Nutritional formula  
 (51) Int. Cl.  
*A23L 33/00* ( 2016.01 )  
*A23L 33/10* ( 2016.01 )  
*A23L 33/115* ( 2016.01 )  
*A23L 33/17* ( 2016.01 )  
*A23L 33/18* ( 2016.01 )  
*A23L 33/19* ( 2016.01 )  
 (43) 14.04.2022  
 (62) 2017293780  
 (72) McGrath, James; Manning, Paul; Scavola, Eugene  
 (74) Pizzey's Patent and Trade Mark Attorneys Pty Ltd

- (71) Canva Pty Ltd  
 (11) AU-A-2022201928  
 (21) 2022201928 (22) 21.03.2022  
 (54) System for single-use stock image design  
 (51) Int. Cl.  
*G06F 17/00* ( 2019.01 )  
*G06Q 30/00* ( 2012.01 )  
 (43) 14.04.2022  
 (62) 2020203034  
 (72) Perkins, Melanie; Obrecht, Cliff  
 (74) FPA Patent Attorneys Pty Ltd

- (71) CASE WESTERN RESERVE UNIVERSITY; BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM  
 (11) AU-A-2022201982  
 (21) 2022201982 (22) 22.03.2022  
 (54) COMPOSITIONS AND METHODS OF MODULATING SHORT-CHAIN DEHYDROGENASE ACTIVITY  
 (51) Int. Cl.  
*C07D 495/04* ( 2006.01 )  
*A61K 31/4365* ( 2006.01 )  
 (43) 14.04.2022  
 (62) 2018215678  
 (72) MARKOWITZ, Sanford D.; YUAN, Yiyuan; ZHANG, Yongyou; READY, Joseph; HU, Bin  
 (74) Houlihan<sup>2</sup> Pty Ltd

- (71) Celgene Corporation  
 (11) AU-A-2022201923  
 (21) 2022201923 (22) 21.03.2022  
 (54) Methods for treating anemia  
 (51) Int. Cl.  
*A61K 38/18* ( 2006.01 )  
*A61K 38/00* ( 2006.01 )  
*A61K 39/395* ( 2006.01 )

- (43) 14.04.2022  
 (62) 2020203198  
 (72) Sung, Victoria; Chopra, Rajesh; Hermine, Olivier; Cruzmoura, Ivan; Dussiot, Michael; Trovatimaciel, Thiago; Fricot, Aurelie  
 (74) FB Rice Pty Ltd

- (71) Celularity Inc.  
 (11) AU-A-2022201955  
 (21) 2022201955 (22) 22.03.2022  
 (54) PLACENTAL STEM CELL POPULATIONS  
 (51) Int. Cl.  
*C12N 5/073* ( 2010.01 )  
*C12N 5/0735* ( 2010.01 )  
*C12N 5/074* ( 2010.01 )  
 (43) 14.04.2022  
 (62) 2019268061  
 (72) Faleck, Herbert; Edinger, James W.; Wang, Jia-Lun; Abramson, Sascha Dawn; Periera, Marian; Ye, Qian; Hariri, Robert J.; Labazzo, Kristen S.  
 (74) Phillips Ormonde Fitzpatrick

- (71) Centripetal Networks, Inc.  
 (11) AU-A-2022202068  
 (21) 2022202068 (22) 25.03.2022  
 (54) Rule-based network-threat detection  
 (51) Int. Cl.  
*H04L 29/06* ( 2006.01 )  
*H04L 12/26* ( 2006.01 )  
 (43) 14.04.2022  
 (62) 2020202148  
 (72) Ahn, David K.; George, Keith A.; Geremia, Peter P.; Mallett III, Pierre; Moore, Sean; Perry, Robert T.; Rogers, Jonathan R.  
 (74) Minter Ellison

- (71) Chr. Hansen A/S  
 (11) AU-A-2022202060  
 (21) 2022202060 (22) 25.03.2022  
 (54) Lactase enzymes with improved properties  
 (51) Int. Cl.  
*C07K 14/195* ( 2006.01 )  
*C12N 9/38* ( 2006.01 )  
 (43) 14.04.2022  
 (62) 2018251957  
 (72) RAJ, Hans; SMITH, Pernille; ECKHARDT, Thomas; VOJINOVIC, Vojislav; SCHÖLLER, Charlotte Elisabeth Grüner; VAN DEN BRINK, Johannes Maarten  
 (74) Spruson & Ferguson

- (71) Codan US Corporation  
 (11) AU-A-2021232657  
 (21) 2021232657 (22) 13.09.2021  
 (54) MEDICAL COILED TUBING  
 (51) Int. Cl.  
*C08J 5/12* ( 2006.01 )  
*A61L 2/20* ( 2006.01 )  
*A61L 29/04* ( 2006.01 )  
*A61M 39/08* ( 2006.01 )  
*C08L 27/06* ( 2006.01 )

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(43) 14.04.2022  
(72) KNIGHT, Thomas F.  
(74) Maxwells Patent & Trade Mark Attorneys Pty Ltd

(71) Commonwealth Scientific and Industrial Research Organisation

(11) AU-A-2022201989  
(21) 2022201989 (22) 23.03.2022  
(54) High amylose wheat - III  
(51) Int. Cl.  
A01H 5/00 ( 2018.01 )  
A01H 1/04 ( 2006.01 )  
A01H 1/06 ( 2006.01 )

(43) 14.04.2022  
(62) 2017292900  
(72) LI, Xinguo; LI, Zhongyi; REGINA, Ahmed; JOBLING, Stephen Alan  
(74) Davies Collison Cave Pty Ltd

(71) Cornell University  
(11) AU-A-2022201920

(21) 2022201920 (22) 21.03.2022  
(54) Adeno-associated virus mediated delivery of C1E1 as a therapy for an-gioedema  
(51) Int. Cl.  
A61K 39/00 ( 2006.01 )  
A61K 39/395 ( 2006.01 )  
C12N 15/861 ( 2006.01 )

(43) 14.04.2022  
(62) 2016267687  
(72) CRYSTAL, Ronald G.; PAGOVIKH, Odelya E.; CHIUCHIOLLO, Maria J.  
(74) Spruson & Ferguson

(71) Corning Optical Communications LLC  
(11) AU-A-2022201988

(21) 2022201988 (22) 23.03.2022  
(54) HIGH FIBER DENSITY, LOW BEND LOSS OPTICAL FIBER CABLE  
(51) Int. Cl.  
G02B 6/02 ( 2006.01 )  
G02B 6/028 ( 2006.01 )  
G02B 6/036 ( 2006.01 )

(43) 14.04.2022  
(62) 2017269145  
(72) Bookbinder, Dana Craig; Kouzmina, Inna Igorevna; Li, Ming-Jun; Seddon, David Alan; Tandon, Pushkar  
(74) Phillips Ormonde Fitzpatrick

(71) Corteva Agriscience LLC  
(11) AU-A-2022202094

(21) 2022202094 (22) 28.03.2022  
(54) Safened herbicidal compositions containing halauxifen and methods of use thereof in Brassica species  
(51) Int. Cl.  
A01N 43/40 ( 2006.01 )  
A01N 25/00 ( 2006.01 )  
A01N 25/32 ( 2006.01 )  
A01N 43/00 ( 2006.01 )  
A01N 43/34 ( 2006.01 )  
A01N 43/42 ( 2006.01 )

(43) 14.04.2022  
(62) 2017278355  
(72) Degenhardt, Rory; Juras, Len; Satchivi, Norbert M.; Bath, Shelley; Harris, Bernard M.; Macrae, Andrew; Gast, Roger E.; Mann, Richard K.; Smith, Laura  
(74) FPA Patent Attorneys Pty Ltd

(71) Cripps Clark, J.  
(11) AU-A-2022201926

(21) 2022201926 (22) 21.03.2022  
(54) BlackBoxAuthorityCoordinator (BAC) is a device able to receive IoT messages from diverse sources and when installed can be programmed to initiate safe operation of equipment and can provide audit of changes to its control of operations and all subscriptions to its authority which as needed are stored locally, copied and/or uploaded to a secure backup location via messages or other protocols with provision for authentication and where necessary timed persistence of received instruction messages and/or position and status information.

(51) Int. Cl.  
G16Y 30/10 ( 2020.01 )  
G06Q 10/10 ( 2012.01 )  
H04W 12/06 ( 2021.01 )  
G06F 11/30 ( 2006.01 )  
G06F 21/50 ( 2013.01 )  
H04L 43/10 ( 2022.01 )  
H04L 67/12 ( 2022.01 )

(43) 14.04.2022  
(62) 2021103348  
(72) Cripps Clark, Julianne  
(74) Julianne Mary Cripps Clark

(71) Crown Equipment Corporation  
(11) AU-A-2022202008

(21) 2022202008 (22) 23.03.2022  
(54) Systems and methods for use of a materials handling vehicle in a warehouse environment

(51) Int. Cl.  
B65G 1/04 ( 2006.01 )  
B65G 1/137 ( 2006.01 )  
B66F 9/07 ( 2006.01 )  
B66F 9/075 ( 2006.01 )  
B66F 9/12 ( 2006.01 )  
B66F 9/14 ( 2006.01 )  
B66F 9/18 ( 2006.01 )

(43) 14.04.2022  
(62) 2020203109  
(72) OTTO, Matthew J.; GARMANN, Gregory; ADDISON, Mark E.  
(74) Griffith Hack

(71) Cryovac, Inc.

(11) AU-A-2022201959  
(21) 2022201959 (22) 22.03.2022  
(54) EASY OPENING FILM FOR VACUUM SKIN PACKAGING  
(51) Int. Cl.  
B32B 7/06 ( 2019.01 )  
B32B 15/08 ( 2006.01 )  
B32B 15/20 ( 2006.01 )  
B32B 27/08 ( 2006.01 )

B32B 27/10 ( 2006.01 )  
B32B 27/30 ( 2006.01 )  
B32B 27/32 ( 2006.01 )  
B32B 27/34 ( 2006.01 )  
B32B 27/36 ( 2006.01 )  
B65D 75/26 ( 2006.01 )

(43) 14.04.2022  
(62) 2017230851  
(72) Fanfani, Andrea Federico  
(74) AJ PARK

Dalle-Nogare, L. see Dalle-Nogare, P.  
(21) 2021240105

(71) Dalle-Nogare, P.; Dalle-Nogare, L.  
(11) AU-A-2021240105  
(21) 2021240105 (22) 27.09.2021  
(54) Equine Blanket  
(51) Int. Cl.  
A01K 13/00 ( 2006.01 )  
B68B 7/00 ( 2006.01 )

(31) 2020903526 (32) 30.09.20 (33) AU  
(43) 14.04.2022  
(72) Dalle-Nogare, Peter; Dalle-Nogare, Lesley  
(74) Fraser Old & Sohn

(71) Dana-Farber Cancer Institute, Inc.  
(11) AU-A-2022201940  
(21) 2022201940 (22) 21.03.2022  
(54) Vaccination with MICA/B alpha 3 domain for the treatment of cancer  
(51) Int. Cl.  
A61K 39/00 ( 2006.01 )  
A61K 47/00 ( 2006.01 )

(43) 14.04.2022  
(62) 2016362597  
(72) WUCHERPFENNIG, Kai; BADRINATH, Soumya  
(74) Spruson & Ferguson

(71) Danisco US Inc.  
(11) AU-A-2022202136  
(21) 2022202136 (22) 29.03.2022  
(54) TREHALASE IN FERMENTATIONS  
(51) Int. Cl.  
C12P 7/06 ( 2006.01 )  
C12C 11/00 ( 2006.01 )

(43) 14.04.2022  
(62) 2020204527  
(72) KOCOT, Boguslaw; VROEMEN, Casper; TORRES PAZMINO, Daniel E.; CANNON Jr., Donald Martin; WARD, Donald E.; FOERSTER, Hans; SH-ETTY, Jayarama K.; CLARKSON, Kathleen A.; ALBERS, Keaton; VAN BRUSSEL, Marco; CHOW, Marina; SCHEFFERS, Martijn; SCHELLE, Michael W.; WARD, Michael; KRUIITHOF, Paulien; SALA, Rafael F.; PRATT II, Robert James; RABINOVICH, Roman; BAR-ENDS, Sharief  
(74) Houlihan<sup>2</sup> Pty Ltd

(71) Deere & Company  
(11) AU-A-2021221863

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(21) 2021221863 (22) 26.08.2021  
 (54) Automated camera system control for harvesting machine unloading  
 (51) Int. Cl.  
*G06T 7/70* ( 2017.01 )  
*A01D 41/127* ( 2006.01 )  
*G05B 19/4063* ( 2006.01 )  
*G06T 7/593* ( 2017.01 )  
*H04N 5/222* ( 2006.01 )  
 (31) 17/034,890 (32) 28.09.20 (33) US  
 (43) 14.04.2022  
 (72) Faust, Jeremy J.; O'Connor, Kellen  
 (74) Davies Collison Cave Pty Ltd

(71) Depuy Ireland Unlimited Company  
 (11) AU-A-2022202058  
 (21) 2022202058 (22) 25.03.2022  
 (54) Orthopaedic surgical instrument system for surgically-preparing a patient's femur  
 (51) Int. Cl.  
*A61B 17/15* ( 2006.01 )  
 (43) 14.04.2022  
 (62) 2017267697  
 (72) BARNETT, James E.; REEVE, Michael R.; MEGGETT, Phillip R.; CHANEY, Rebecca L.; WOLFSON, David R.  
 (74) Spruson & Ferguson

(71) DePuy Ireland Unlimited Company  
 (11) AU-A-2021206875  
 (21) 2021206875 (22) 22.07.2021  
 (54) Orthopaedic surgical instrument system and a method of trialing an orthopaedic prosthetic assembly  
 (51) Int. Cl.  
*A61F 2/38* ( 2006.01 )  
 (31) 17/038,710 (32) 30.09.20 (33) US  
 (43) 14.04.2022  
 (72) Reeder, Nathan C.; Matyas, Aaron J.; Ferris, Lauren A.  
 (74) Spruson & Ferguson

(71) Diamyd Medical AB  
 (11) AU-A-2022202003  
 (21) 2022202003 (22) 23.03.2022  
 (54) Novel combinations for antigen based therapy  
 (51) Int. Cl.  
*A61K 31/592* ( 2006.01 )  
*A61K 39/00* ( 2006.01 )  
*A61P 3/10* ( 2006.01 )  
*A61K 31/593* ( 2006.01 )  
*A61K 38/28* ( 2006.01 )  
 (43) 14.04.2022  
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 (72) Essen-Moller, Anders; Ludvigsson, Johnny  
 (74) Davies Collison Cave Pty Ltd

Duke University see BioSpecifics Technologies Corporation  
 (21) 2022201984

(71) ELAFLEX HIBY GmbH & Co. KG  
 (11) AU-A-2021240198

(21) 2021240198 (22) 29.09.2021  
 (54) Dispensing nozzle  
 (51) Int. Cl.  
*B67D 7/28* ( 2010.01 )  
*B67D 7/02* ( 2010.01 )  
*B67D 7/42* ( 2010.01 )  
 (31) 20198851.6 (32) 29.09.20 (33) EP  
 (43) 14.04.2022  
 (72) Kunter, Stefan; Viets, Sebastian  
 (74) Griffith Hack

(71) ELAFLEX HIBY GmbH & Co. KG  
 (11) AU-A-2021240203  
 (21) 2021240203 (22) 29.09.2021  
 (54) Nozzle with discretely switching gas valve and arrangement comprising such a nozzle and a gas return system  
 (51) Int. Cl.  
*B05B 11/00* ( 2006.01 )  
*B05B 11/06* ( 2006.01 )  
*B05B 12/08* ( 2006.01 )  
*B67D 7/00* ( 2010.01 )  
*B67D 7/06* ( 2010.01 )  
 (31) 20199140.3 (32) 30.09.20 (33) EP  
 (43) 14.04.2022  
 (72) Kunter, Stefan; Schulz-Hildebrandt, Lasse; Fedde, Matthias  
 (74) Griffith Hack

(71) Elbex Video Ltd.  
 (11) AU-A-2022201978  
 (21) 2022201978 (22) 22.03.2022  
 (54) Communication infrastructure devices and support tools for intelligent residences or businesses and communicating method with and operating intelligent electrical devices  
 (51) Int. Cl.  
*H04B 10/299* ( 2013.01 )  
 (43) 14.04.2022  
 (62) 2021200754  
 (72) ELBERBAUM, David  
 (74) Spruson & Ferguson

(71) Elbex Video Ltd.  
 (11) AU-A-2022202027  
 (21) 2022202027 (22) 23.03.2022  
 (54) Communication infrastructure devices and support tools for intelligent residences or businesses and communicating method with and operating intelligent electrical devices  
 (51) Int. Cl.  
*H04B 10/299* ( 2013.01 )  
 (43) 14.04.2022  
 (62) 2021201039  
 (72) ELBERBAUM, David  
 (74) Spruson & Ferguson

(71) Epizyme, Inc.  
 (11) AU-A-2022202118  
 (21) 2022202118 (22) 29.03.2022  
 (54) METHOD FOR TREATING CANCER  
 (51) Int. Cl.  
*A61P 35/02* ( 2006.01 )  
*A61K 31/4412* ( 2006.01 )  
*A61K 31/4433* ( 2006.01 )

*A61K 31/5377* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
*C07D 405/12* ( 2006.01 )  
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 (72) Keilhack, Heike; Knutson, Sarah K.  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

(71) EQUUS AEROSPACE PTY. LTD.  
 (11) AU-A-2021236585  
 (21) 2021236585 (22) 25.09.2021  
 (54) EM-DIR Hydrogen Generator  
 (51) Int. Cl.  
*C01B 3/04* ( 2006.01 )  
*C01B 13/02* ( 2006.01 )  
 (31) 2020903476 (32) 26.09.20 (33) AU  
 (43) 14.04.2022  
 (72) jarvis, stephen  
 (74) EQUUS AEROSPACE PTY. LTD.

(71) Evogene Ltd.  
 (11) AU-A-2022201932  
 (21) 2022201932 (22) 21.03.2022  
 (54) Isolated polynucleotides and polypeptides, and methods of using same for increasing nitrogen use efficiency of plants  
 (51) Int. Cl.  
*A01H 5/00* ( 2018.01 )  
*C07K 14/415* ( 2006.01 )  
*C12N 15/29* ( 2006.01 )  
*C12N 15/82* ( 2006.01 )  
 (43) 14.04.2022  
 (62) 2019253901  
 (72) Shoresh, Michal; Karchi, Hagai  
 (74) Spruson & Ferguson

(71) F. Hoffmann-La Roche AG  
 (11) AU-A-2022201960  
 (21) 2022201960 (22) 22.03.2022  
 (54) TriFab-Contorsbody  
 (51) Int. Cl.  
*C07K 16/00* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
 (43) 14.04.2022  
 (62) 2018358904  
 (72) BRINKMANN, Ulrich; DICKOPF, Steffen; GEORGES, Guy; THOREY, Irmgard  
 (74) Griffith Hack

(71) Fanplayr Inc.  
 (11) AU-A-2022202023  
 (21) 2022202023 (22) 23.03.2022  
 (54) Method and system for segmentation as a service  
 (51) Int. Cl.  
*H04L 69/32* ( 2022.01 )  
*G06Q 30/02* ( 2012.01 )  
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 (72) SUNKARA, Rajiv; YENCKEN, Simon; ADELMAN, Derek  
 (74) Spruson & Ferguson



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 (54) Systems and methods for portable storage devices  
 (51) Int. Cl.  
     H04W 88/02 ( 2009.01 )  
     H04W 48/16 ( 2009.01 )  
     H04W 80/00 ( 2009.01 )  
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 (72) CHRISTMAS, Coy; MALPASS, Luke  
 (74) Spruson & Ferguson

(71) Fine, K.D.  
 (11) AU-A-2022201958  
 (21) 2022201958 (22) 22.03.2022  
 (54) DIAGNOSTIC TESTING FOR IMMUNOLOGIC FOOD SENSITIVITY  
 (51) Int. Cl.  
     G01N 33/53 ( 2006.01 )  
     C07K 16/18 ( 2006.01 )  
     C07K 16/42 ( 2006.01 )  
     G01N 33/68 ( 2006.01 )  
 (43) 14.04.2022  
 (62) 2016202393  
 (72) Fine, Kenneth Davin  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) Fisher & Paykel Healthcare Limited  
 (11) AU-A-2022202064  
 (21) 2022202064 (22) 25.03.2022  
 (54) Flow path sensing for flow therapy apparatus  
 (51) Int. Cl.  
     A61M 16/00 ( 2006.01 )  
     A61B 5/087 ( 2006.01 )  
 (43) 14.04.2022  
 (62) 2017267246  
 (72) Burgess, Russel William; Barker, Dean Anthony; O'Donnell, Kevin Peter  
 (74) AJ PARK

(71) Fisher & Paykel Healthcare Limited  
 (11) AU-A-2022202127  
 (21) 2022202127 (22) 29.03.2022  
 (54) GASES MIXING AND MEASURING FOR A MEDICAL DEVICE  
 (51) Int. Cl.  
     A61M 16/00 ( 2006.01 )  
     G01H 5/00 ( 2006.01 )  
     G01N 29/00 ( 2006.01 )  
 (43) 14.04.2022  
 (62) 2020201432  
 (72) Van Schalkwyk, Andre; Newland, Anthony James; Graves, Rachael; Liang, Wenjie Robin; Jiang-Foo, Winnie Yong  
 (74) AJ PARK

(71) FISHER & PAYKEL HEALTHCARE LIMITED  
 (11) AU-A-2022202002  
 (21) 2022202002 (22) 23.03.2022  
 (54) MASK SYSTEM HEDGEAR  
 (51) Int. Cl.  
     A61M 16/06 ( 2006.01 )

A61B 18/08 ( 2006.01 )  
 A61M 16/08 ( 2006.01 )  
 (43) 14.04.2022  
 (62) 2020217346  
 (72) BORNHOLDT, Melissa Catherine; BETERIDGE, Max Leon; OLSEN, Gregory James; MCLAREN, Mark Arvind; IP, Bernard Tsz Lun; MITTERMEIER, Simon  
 (74) AJ PARK

(71) FJ Dynamics Co., Ltd.  
 (11) AU-A-2021236466  
 (21) 2021236466 (22) 21.09.2021  
 (54) AGRICULTURAL MACHINERY AUTOMATIC TURNING METHOD, AGRICULTURAL MACHINERY AUTOMATIC TURNING SYSTEM AND APPLICATION  
 (51) Int. Cl.  
     G05D 1/02 ( 2020.01 )  
     A01B 69/04 ( 2006.01 )  
 (31) CN (32) 25.09.20 (33) CN  
 202011023261.7  
 (43) 14.04.2022  
 (72) SHEN, WEI; MA, ZHU-LIN; WANG, JIA-BIN; YAO, YUAN; WU, DI  
 (74) Admiral Trademarks & Patents Services

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**C07K 14/00** ( 2006.01 )  
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**F16L 59/065** ( 2006.01 )  
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(71) Novartis AG  
 (11) AU-A-2022201921  
 (21) 2022201921 (22) 21.03.2022  
 (54) Crystalline forms of a LTA4H inhibitor  
 (51) Int. Cl.  
**C07D 401/12** ( 2006.01 )  
**A61K 31/4439** ( 2006.01 )  
**A61P 29/00** ( 2006.01 )

(43) 14.04.2022  
 (62) 2019315778  
 (72) KORDIKOWSKI, Andreas; WU, Yanxiang  
 (74) Davies Collision Cave Pty Ltd

(71) Novartis AG; The Trustees of the University of Pennsylvania  
 (11) AU-A-2022202024  
 (21) 2022202024 (22) 23.03.2022  
 (54) TREATMENT OF CANCER USING HUMANIZED ANTI CD19 CHIMERIC ANTIGEN RECEPTOR  
 (51) Int. Cl.  
**C07K 16/28** ( 2006.01 )  
**A61K 35/14** ( 2015.01 )  
**A61P 35/00** ( 2006.01 )  
**C07K 14/705** ( 2006.01 )  
**C07K 14/725** ( 2006.01 )  
**C07K 16/30** ( 2006.01 )  
**C12N 5/0783** ( 2010.01 )

(43) 14.04.2022  
 (62) 2019216689  
 (72) Brogdon, Jennifer; June, Carl H.; Loew, Andreas; Maus, Marcela; Scholler, John  
 (74) Davies Collision Cave Pty Ltd

(71) Novozymes A/S  
 (11) AU-A-2022201990  
 (21) 2022201990 (22) 23.03.2022  
 (54) Alpha-amylase variants and polynucleotides encoding same  
 (51) Int. Cl.  
**C12N 9/28** ( 2006.01 )

(43) 14.04.2022  
 (62) 2016259703  
 (72) Andersen, Carsten; Ghadiyaram, Chakshusmathi; Sainathan, Rajendra Kulothungan; Balumuri, Padmavathi; Iy-

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er, Padma Venkatachalam; Damager, Iben; Munch, Astrid; Dalal, Sohel  
**(74)** Spruson & Ferguson

**(71)** Ohio State Innovation Foundation  
**(11)** AU-A-2022202001  
**(21)** 2022202001 **(22)** 23.03.2022  
**(54)** CONTACT LENS  
**(51)** Int. Cl.  
**G02C 7/04** ( 2006.01 )  
**(43)** 14.04.2022  
**(62)** 2017330483  
**(72)** Bailey, Melissa D.; Barr, Joseph T.  
**(74)** Madderns Pty Ltd

**Oishi Koseido Co., Ltd. see Itochu Chemical Frontier Corporation**  
**(21)** 2022202121

**(71)** Omnicell, Inc.  
**(11)** AU-A-2022202063  
**(21)** 2022202063 **(22)** 25.03.2022  
**(54)** Unit dose dispensing systems and methods  
**(51)** Int. Cl.  
**A47F 1/04** ( 2006.01 )  
**A61J 1/03** ( 2006.01 )  
**(43)** 14.04.2022  
**(62)** 2020226996  
**(72)** WILSON, Edith; MORENO, Gerardo; TREJO, Guillermo; MEHTA, Vikram; BERKEN, Lloyd  
**(74)** FB Rice Pty Ltd

**(71)** PEEVER, S.  
**(11)** AU-A-2020244512  
**(21)** 2020244512 **(22)** 30.09.2020  
**(54)** Long Hole Drill Assembly With Power Cut-Off  
**(51)** Int. Cl.  
**E21B 4/14** ( 2006.01 )  
**E21B 33/035** ( 2006.01 )  
**F16K 31/08** ( 2006.01 )  
**(43)** 14.04.2022  
**(72)** PEEVER, Shawn  
**(74)** WRAYS PTY LTD

**(71)** Peirson Harris Felder Pty. Limited  
**(11)** AU-A-2020244510  
**(21)** 2020244510 **(22)** 30.09.2020  
**(54)** FISH TRANSFER SYSTEM AND METHOD  
**(51)** Int. Cl.  
**E02B 8/08** ( 2006.01 )  
**(43)** 14.04.2022  
**(72)** Peirson, William Leslie; Harris, John Hamlyn; Felder, Stefan Markus  
**(74)** Franke Hyland Pty Ltd

**(71)** Pelzer, F.  
**(11)** AU-A-2022202005  
**(21)** 2022202005 **(22)** 23.03.2022  
**(54)** Method and system for live determining of a sports device  
**(51)** Int. Cl.

**A63F 13/65** ( 2014.01 )  
**A63F 13/426** ( 2014.01 )  
**A63F 13/5372** ( 2014.01 )  
**(43)** 14.04.2022  
**(62)** 2016371323  
**(72)** Pelzer, Frank  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Perfect Day, Inc.  
**(11)** AU-A-2022202112  
**(21)** 2022202112 **(22)** 29.03.2022  
**(54)** Food products comprising milk proteins and non-animal proteins, and methods of producing the same  
**(51)** Int. Cl.  
**A23C 9/15** ( 2006.01 )  
**A23C 20/00** ( 2006.01 )  
**A23C 21/08** ( 2006.01 )  
**A23J 3/08** ( 2006.01 )  
**A23J 3/14** ( 2006.01 )  
**(43)** 14.04.2022  
**(62)** 2017314853  
**(72)** GEISTLINGER, Timothy; JHALA, Ravirajsinh; KRUEGER, Kate Patricia; RAMESH, Balakrishnan  
**(74)** FB Rice Pty Ltd

**(71)** PGS Geophysical AS  
**(11)** AU-A-2021236477  
**(21)** 2021236477 **(22)** 22.09.2021  
**(54)** Surveying with non-uniform survey configuration with wide-tow source geometry  
**(51)** Int. Cl.  
**G01V 1/00** ( 2006.01 )  
**(31)** 63/083,333 **(32)** 25.09.20 **(33)** US  
 17/463,784 01.09.21 US  
**(43)** 14.04.2022  
**(72)** Strand, Christian; Widmaier, Martin; Roalkvam, Carine  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Pharmacyclics LLC  
**(11)** AU-A-2022201972  
**(21)** 2022201972 **(22)** 22.03.2022  
**(54)** The use of inhibitors of Bruton's tyrosine kinase (Btk)  
**(51)** Int. Cl.  
**A61K 31/519** ( 2006.01 )  
**A61K 31/505** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**A61P 35/02** ( 2006.01 )  
**(43)** 14.04.2022  
**(62)** 2022201742  
**(72)** BUGGY, Joseph J.; ELIAS, Laurence; FYFE, Gwen; HEDRICK, Eric; LOURY, David J.; MODY, Tarak D.  
**(74)** Spruson & Ferguson

**(71)** Pinssar Pty Ltd  
**(11)** AU-A-2022201945  
**(21)** 2022201945 **(22)** 21.03.2022  
**(54)** PARTICULATE MATTER MEASURING APPARATUS  
**(51)** Int. Cl.  
**G01N 1/22** ( 2006.01 )  
**G01N 15/02** ( 2006.01 )

**G01N 15/06** ( 2006.01 )  
**G01N 21/47** ( 2006.01 )  
**(43)** 14.04.2022  
**(62)** 2017285701  
**(72)** Velge, Francois; Knott, Peter; Boyd-Moss, Hedley  
**(74)** Wynnes Patent and Trade Mark Attorneys Pty Ltd

**(71)** Precision Planting LLC  
**(11)** AU-A-2022202099  
**(21)** 2022202099 **(22)** 28.03.2022  
**(54)** Apparatus, systems and methods for row unit downforce control  
**(51)** Int. Cl.  
**A01C 5/06** ( 2006.01 )  
**A01B 13/08** ( 2006.01 )  
**A01B 63/111** ( 2006.01 )  
**A01B 63/114** ( 2006.01 )  
**A01C 7/18** ( 2006.01 )  
**(43)** 14.04.2022  
**(62)** 2021200560  
**(72)** SAUDER, Derek A.; RADTKE, Ian R.; STOLLER, Jason J.  
**(74)** Spruson & Ferguson

**President and Fellows of Harvard College see The Broad Institute, Inc.**  
**(21)** 2022202048

**(71)** Promaxo, Inc  
**(11)** AU-A-2022202081  
**(21)** 2022202081 **(22)** 28.03.2022  
**(54)** SINGLE-SIDED FAST MRI GRADIENT FIELD COILS AND APPLICATIONS THEREOF  
**(51)** Int. Cl.  
**G01R 33/381** ( 2006.01 )  
**(43)** 14.04.2022  
**(62)** 2020247994  
**(72)** NACEV, Alexander; MALIK, Pulkit  
**(74)** K&L Gates

**(71)** ProstaGene, LLC  
**(11)** AU-A-2022201992  
**(21)** 2022201992 **(22)** 23.03.2022  
**(54)** Using modulators of CCR5 for treating cancer  
**(51)** Int. Cl.  
**A61P 35/04** ( 2006.01 )  
**C12Q 1/25** ( 2006.01 )  
**G01N 33/574** ( 2006.01 )  
**(43)** 14.04.2022  
**(62)** 2020200083  
**(72)** Pestell, Richard G.  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** Prysmian S.p.A.  
**(11)** AU-A-2021240149  
**(21)** 2021240149 **(22)** 28.09.2021  
**(54)** Connection box for cables  
**(51)** Int. Cl.  
**H02G 3/18** ( 2006.01 )  
**H02G 15/013** ( 2006.01 )  
**H02G 15/10** ( 2006.01 )  
**(31)** 10202000022771 **(32)** 28.09.20 **(33)** IT

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(43) 14.04.2022  
(72) PADDICK, Nathan  
(74) Davies Collison Cave Pty Ltd

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(71) R. J. Reynolds Tobacco Company  
(11) AU-A-2022202033  
(21) 2022202033 (22) 24.03.2022  
(54) Electrically-powered aerosol delivery system  
(51) Int. Cl.  
*A24F 47/00* ( 2020.01 )  
(43) 14.04.2022  
(62) 2020204130  
(72) SEARS, Stephen Benson; TALUSKIE, Karen V.; DAVIS, Michael F.; ADEME, Balager; HUBBARD, Sawyer Austin  
(74) FB Rice Pty Ltd

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(71) Rail-Veyor Technologies Global Inc.  
(11) AU-A-2022201996  
(21) 2022201996 (22) 23.03.2022  
(54) Rail transport dump loop system for conveying bulk materials  
(51) Int. Cl.  
*E01B 25/00* ( 2006.01 )  
*B61B 3/00* ( 2006.01 )  
*B61B 5/02* ( 2006.01 )  
*E01B 25/22* ( 2006.01 )  
(43) 14.04.2022  
(62) 2020202326  
(72) Fisk, James Everrett; Fantin, Patrick Walter Joseph; McCall, William John; Niemeyer, David Wilhelm; Reay, Curtis Ron; Zanetti, Eric Benjamin Alexander; Hellberg, Esko Johannes  
(74) Davies Collison Cave Pty Ltd

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(71) REFLEX INSTRUMENTS ASIA PACIFIC PTY LTD  
(11) AU-A-2020239793  
(21) 2020239793 (22) 25.09.2020  
(54) BOREHOLE DOSING APPARATUS, ARRANGEMENT AND METHOD  
(51) Int. Cl.  
*B01F 25/312* ( 2022.01 )  
*B01F 23/451* ( 2022.01 )  
*B01F 25/431* ( 2022.01 )  
*B01F 33/501* ( 2022.01 )  
*B01F 33/502* ( 2022.01 )  
*B01F 35/80* ( 2022.01 )  
*E21B 21/06* ( 2006.01 )  
*F16K 11/00* ( 2006.01 )  
*G05D 11/02* ( 2006.01 )  
*B01F 101/49* ( 2022.01 )  
(43) 14.04.2022  
(72) SHOLER, Scott  
(74) AJ PARK

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(71) Rhodes Pharmaceuticals L.P.  
(11) AU-A-2022201848  
(21) 2022201848 (22) 16.03.2022  
(54) Pharmaceutical resinatone compositions and methods of making and using thereof  
(51) Int. Cl.  
*A61K 47/00* ( 2006.01 )  
*A61K 31/00* ( 2006.01 )

(43) 14.04.2022  
(62) 2018347991  
(72) SADATREZAEI, Mohsen; FRUNZI, Gerard P.  
(74) LEGALVISION ILP PTY. LTD.

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(71) Rise Form Pty Ltd.  
(11) AU-A-2022202059  
(21) 2022202059 (22) 25.03.2022  
(54) IMPROVEMENTS IN FORMWORK  
(51) Int. Cl.  
*E04G 17/06* ( 2006.01 )  
(43) 14.04.2022  
(62) 2020204073  
(72) PSZCZONKA, Daniel  
(74) Halfords IP

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SCG Chemicals Co., Ltd. see Thai Polyethylene Co., Ltd.  
(21) 2022202062

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(71) Schneider Electric (Australia) Pty Limited  
(11) AU-A-2021221416  
(21) 2021221416 (22) 23.08.2021  
(54) ELECTRICAL WALL BOX AND COVER  
(51) Int. Cl.  
*H01R 13/506* ( 2006.01 )  
*H01H 9/02* ( 2006.01 )  
*H01H 21/20* ( 2006.01 )  
*H01R 13/73* ( 2006.01 )  
*H01R 24/76* ( 2011.01 )  
(31) 2020903464 (32) 25.09.20 (33) AU  
(43) 14.04.2022  
(72) Turrini-Rochford, Tim; Pukale, Mohan; Gransbury, Kenneth Basil  
(74) Madderns Pty Ltd

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(71) Schneider Electric (Australia) Pty Limited  
(11) AU-A-2021221417  
(21) 2021221417 (22) 23.08.2021  
(54) WALL BOX CONDUIT CONNECTION SYSTEM AND METHOD  
(51) Int. Cl.  
*H01R 13/58* ( 2006.01 )  
*H01H 9/20* ( 2006.01 )  
*H01H 21/20* ( 2006.01 )  
*H01R 13/50* ( 2006.01 )  
*H01R 13/506* ( 2006.01 )  
*H01R 13/73* ( 2006.01 )  
*H01R 24/76* ( 2011.01 )  
*H05K 5/02* ( 2006.01 )  
*H02G 3/22* ( 2006.01 )  
(31) 2020903465 (32) 25.09.20 (33) AU  
(43) 14.04.2022  
(72) Turrini-Rochford, Tim; de Mann, Gerrit  
(74) Madderns Pty Ltd

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(71) Schneider Electric (Australia) Pty Limited  
(11) AU-A-2021221419  
(21) 2021221419 (22) 23.08.2021  
(54) WALL BOX WITH SOCKET COVER  
(51) Int. Cl.

*H01H 9/02* ( 2006.01 )  
*H01H 21/20* ( 2006.01 )  
*H01R 13/506* ( 2006.01 )  
*H01R 13/73* ( 2006.01 )  
*H01R 24/76* ( 2011.01 )  
(31) 2020903468 (32) 25.09.20 (33) AU  
(43) 14.04.2022  
(72) Barad, Praveen Kumar; Juhasz, Elizabeth Tunde  
(74) Madderns Pty Ltd

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(71) Schneider Electric (Australia) Pty Limited  
(11) AU-A-2021221421  
(21) 2021221421 (22) 23.08.2021  
(54) WALL BOX CABLE CONNECTION  
(51) Int. Cl.  
*H01R 13/58* ( 2006.01 )  
*H01H 9/20* ( 2006.01 )  
*H01H 21/20* ( 2006.01 )  
*H01R 13/506* ( 2006.01 )  
*H01R 13/73* ( 2006.01 )  
*H01R 24/76* ( 2011.01 )  
*H05K 5/02* ( 2006.01 )  
*H01R 13/52* ( 2006.01 )  
*H02G 3/22* ( 2006.01 )  
(31) 2020903469 (32) 25.09.20 (33) AU  
(43) 14.04.2022  
(72) Turrini-Rochford, Tim; Juhasz, Elizabeth Tunde  
(74) Madderns Pty Ltd

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(71) Schneider Electric Industries SAS  
(11) AU-A-2021235843  
(21) 2021235843 (22) 20.09.2021  
(54) METHOD FOR VALIDATING AN ETHERNET CONFIGURATION OF AN AUTOMATION SYSTEM  
(51) Int. Cl.  
*H04L 12/02* ( 2006.01 )  
*H04L 12/28* ( 2006.01 )  
(31) 20306123.9 (32) 30.09.20 (33) EP  
(43) 14.04.2022  
(72) Dufrene, Pierre  
(74) Madderns Pty Ltd

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(71) Schneider Electric Industries SAS  
(11) AU-A-2021236427  
(21) 2021236427 (22) 20.09.2021  
(54) ELECTRICAL PROTECTION UNIT  
(51) Int. Cl.  
*H02H 3/24* ( 2006.01 )  
*H01H 83/12* ( 2006.01 )  
*H02H 1/06* ( 2006.01 )  
*H02H 3/04* ( 2006.01 )  
(31) 2009949 (32) 30.09.20 (33) FR  
(43) 14.04.2022  
(72) Bordet, Bruno; Meunier-Carus, Jérôme  
(74) Madderns Pty Ltd

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(71) Schneider Electric Industries SAS  
(11) AU-A-2022202090  
(21) 2022202090 (22) 28.03.2022  
(54) TIME-SENSITIVE SOFTWARE DEFINED NETWORKING  
(51) Int. Cl.  
*H04L 12/721* ( 2013.01 )

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- H04L 12/715** ( 2013.01 )  
**H04L 12/717** ( 2013.01 )  
**H04L 12/725** ( 2013.01 )  
**H04L 12/727** ( 2013.01 )  
**(43)** 14.04.2022  
**(62)** 2017300019  
**(72)** Mehmedagic, Alen  
**(74)** Madderns Pty Ltd
- 
- (71)** Sirna Therapeutics, Inc.  
**(11)** AU-A-2022202011  
**(21)** 2022202011 **(22)** 23.03.2022  
**(54)** Short interfering nucleic acid (siNA) molecules containing a 2' internucleoside linkage  
**(51)** Int. Cl.  
**C07H 21/02** ( 2006.01 )  
**C07H 21/00** ( 2006.01 )  
**C07H 21/04** ( 2006.01 )  
**C12N 15/11** ( 2006.01 )  
**(43)** 14.04.2022  
**(62)** 2020202097  
**(72)** CHANG, Wonsuk; GUIDRY, Erin N.; STANTON, Matthew G.; ZEWGE, Daniel  
**(74)** Griffith Hack
- 
- (71)** Société des Produits Nestlé S.A.  
**(11)** AU-A-2022202050  
**(21)** 2022202050 **(22)** 24.03.2022  
**(54)** Methods for administering tube feed formulations  
**(51)** Int. Cl.  
**A61J 15/00** ( 2006.01 )  
**(43)** 14.04.2022  
**(62)** 2020202740  
**(72)** MAGER, Jennifer; ROUGHEAD, Zamzam Fariba; STORM, Heidi; TERESI, James Scott  
**(74)** Spruson & Ferguson
- 
- (71)** Stahlkontor GmbH & Co. Kg  
**(11)** AU-A-2022201942  
**(21)** 2022201942 **(22)** 21.03.2022  
**(54)** DUAL LASER-HYBRID PROCESS  
**(51)** Int. Cl.  
**B23K 26/70** ( 2014.01 )  
**B23K 26/24** ( 2014.01 )  
**B23K 26/348** ( 2014.01 )  
**B23K 26/60** ( 2014.01 )  
**B23K 103/04** ( 2006.01 )  
**(43)** 14.04.2022  
**(62)** 2020277590  
**(72)** Litschmann, Roman; Drawe, Heiko  
**(74)** Phillips Ormonde Fitzpatrick
- 
- (71)** Stoddart Technology Pty Ltd  
**(11)** AU-A-2021206787  
**(21)** 2021206787 **(22)** 19.07.2021  
**(54)** An exhaust system, method and apparatus  
**(51)** Int. Cl.  
**E04D 13/152** ( 2006.01 )  
**F24F 7/02** ( 2006.01 )  
**F24F 7/10** ( 2006.01 )  
**F24F 7/00** ( 2021.01 )  
**(31)** 2020903518 **(32)** 29.09.20 **(33)** AU
- 
- (43)** 14.04.2022  
**(72)** Lester, Stephen; Michie, Chris  
**(74)** Spruson & Ferguson
- 
- (71)** ST REPRODUCTIVE TECHNOLOGIES, LLC  
**(11)** AU-A-2022202030  
**(21)** 2022202030 **(22)** 23.03.2022  
**(54)** ANIMAL MONITORING SYSTEM  
**(51)** Int. Cl.  
**A01K 29/00** ( 2006.01 )  
**A61B 5/00** ( 2006.01 )  
**A61D 1/16** ( 2006.01 )  
**G01S 5/02** ( 2010.01 )  
**(43)** 14.04.2022  
**(62)** 2020204591  
**(72)** RETTEDAL, Nicholas P.; WEILNAU, Stephen M.; COCKROFT, Scott R.; YEAGER, Billy J.; HORNICK, Jerry A.  
**(74)** AJ PARK
- 
- (71)** Stryker Corporation  
**(11)** AU-A-2022201643  
**(21)** 2022201643 **(22)** 09.03.2022  
**(54)** End effector of a surgical robotic manipulator  
**(51)** Int. Cl.  
**A61B 17/16** ( 2006.01 )  
**B23B 31/02** ( 2006.01 )  
**F16D 7/02** ( 2006.01 )  
**(43)** 14.04.2022  
**(62)** 2019257527  
**(72)** Staunton, Douglas Alan; Flatt, James  
**(74)** Davies Collison Cave Pty Ltd
- 
- (71)** Suncoke Technology and Development LLC.  
**(11)** AU-A-2022202073  
**(21)** 2022202073 **(22)** 25.03.2022  
**(54)** Methods and systems for automatically generating a remedial action in an industrial facility  
**(51)** Int. Cl.  
**G05B 23/02** ( 2006.01 )  
**G05B 19/418** ( 2006.01 )  
**G06Q 50/10** ( 2012.01 )  
**(43)** 14.04.2022  
**(62)** 2017272377  
**(72)** QUANCI, John Francis; KALININ, Andre V.  
**(74)** Spruson & Ferguson
- 
- (71)** Sun Rise E & T Corporation  
**(11)** AU-A-2021232848  
**(21)** 2021232848 **(22)** 20.09.2021  
**(54)** SOLAR PANEL ASSEMBLY AND SOLAR POWER SYSTEM INCLUDING SAME  
**(51)** Int. Cl.  
**F24S 20/70** ( 2018.01 )  
**F24S 23/70** ( 2018.01 )  
**F24S 30/458** ( 2018.01 )  
**H01L 31/054** ( 2014.01 )  
**H02S 30/10** ( 2014.01 )  
**H02S 40/22** ( 2014.01 )  
**(31)** 109133488 **(32)** 26.09.20 **(33)** TW
- 
- (43)** 14.04.2022  
**(72)** Tung, Chi-Hsu  
**(74)** Phillips Ormonde Fitzpatrick
- 
- (71)** Takeda Vaccines, Inc.  
**(11)** AU-A-2022202087  
**(21)** 2022202087 **(22)** 28.03.2022  
**(54)** Methods for producing virus for vaccine production  
**(51)** Int. Cl.  
**C12N 7/00** ( 2006.01 )  
**(43)** 14.04.2022  
**(62)** 2016219122  
**(72)** RAO, Raman  
**(74)** Spruson & Ferguson
- 
- (71)** Tan, J.  
**(11)** AU-A-2021209341  
**(21)** 2021209341 **(22)** 30.07.2021  
**(54)** Computer-Assisted System and Method for Recommending Physical Asset  
**(51)** Int. Cl.  
**G06Q 50/16** ( 2012.01 )  
**G06F 3/00** ( 2006.01 )  
**G06F 16/00** ( 2019.01 )  
**G06K 9/00** ( 2006.01 )  
**(31)** PI2020005135 **(32)** 30.09.20 **(33)** MY  
**(43)** 14.04.2022  
**(72)** Tan, Justin  
**(74)** CHILIAD CONSULTING PTY LTD
- 
- (71)** Teague, P.  
**(11)** AU-A-2022202020  
**(21)** 2022202020 **(22)** 23.03.2022  
**(54)** Method for using voxelated x-ray data to adaptively modify ultrasound inversion model geometry during cement evaluation  
**(51)** Int. Cl.  
**G01V 1/50** ( 2006.01 )  
**E21B 47/00** ( 2012.01 )  
**G01V 5/08** ( 2006.01 )  
**G01V 5/14** ( 2006.01 )  
**G01V 11/00** ( 2006.01 )  
**(43)** 14.04.2022  
**(62)** 2018338337  
**(72)** Teague, Philip  
**(74)** Davies Collison Cave Pty Ltd
- 
- (71)** Terra Quantum AG  
**(11)** AU-A-2021229219  
**(21)** 2021229219 **(22)** 09.09.2021  
**(54)** HYBRID QUANTUM COMPUTATION ARCHITECTURE FOR SOLVING QUADRATIC UNCONSTRAINED BINARY OPTIMIZATION PROBLEMS  
**(51)** Int. Cl.  
**G06N 10/00** ( 2019.01 )  
**G06F 17/10** ( 2006.01 )  
**(31)** 20199028.0 **(32)** 29.09.20 **(33)** EP  
**(43)** 14.04.2022  
**(72)** PAKHOMCHIK, Alexey; PERELSHTEIN, Mikhail  
**(74)** Griffith Hack
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(71) Terra Quantum AG  
 (11) AU-A-2021236527  
 (21) 2021236527 (22) 23.09.2021  
 (54) TECHNIQUES FOR DETERMINING A NUCLEAR MAGNETIC RESONANCE RELAXATION TIME AND/OR A NUCLEAR MAGNETIC RESONANCE SPECTRUM OF A PROBE  
 (51) Int. Cl.  
*G01R 33/46* ( 2006.01 )  
*G01R 33/12* ( 2006.01 )  
*G01R 33/50* ( 2006.01 )  
 (31) 20199026.4 (32) 29.09.20 (33) EP  
 (43) 14.04.2022  
 (72) PEREPUKHOV, Aleksandr; LESOVIK, Gordey; LEBEDEV, Andrey  
 (74) Griffith Hack

(71) Tesaro  
 (11) AU-A-2022201944  
 (21) 2022201944 (22) 21.03.2022  
 (54) Combination therapies and uses thereof  
 (51) Int. Cl.  
*A61K 45/00* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
 (43) 14.04.2022  
 (62) 2018346688  
 (72) MIKULE, Keith W.; WANG, Zebin; ZHOU, Yinghui  
 (74) Davies Collison Cave Pty Ltd

(71) TES Pharma S.r.l.  
 (11) AU-A-2022202124  
 (21) 2022202124 (22) 29.03.2022  
 (54) Inhibitors of alpha-amino-beta-carboxymuconic acid semialdehyde decarboxylase  
 (51) Int. Cl.  
*C07D 233/30* ( 2006.01 )  
*C07D 233/32* ( 2006.01 )  
*C07D 233/40* ( 2006.01 )  
*C07D 233/54* ( 2006.01 )  
*C07D 233/70* ( 2006.01 )  
*C07D 233/96* ( 2006.01 )  
 (43) 14.04.2022  
 (62) 2017342083  
 (72) PELLICCIARI, Roberto  
 (74) Spruson & Ferguson

(71) Thai Polyethylene Co., Ltd.; SCG Chemicals Co., Ltd.  
 (11) AU-A-2022202062  
 (21) 2022202062 (22) 25.03.2022  
 (54) Bimodal polyethylene composition and pipe comprising the same  
 (51) Int. Cl.  
*C08L 23/04* ( 2006.01 )  
*F16L 9/12* ( 2006.01 )  
*F16L 11/04* ( 2006.01 )  
 (43) 14.04.2022  
 (62) 2017218927  
 (72) Suchao-in, Natthaporn; Klomkamol, Warachad  
 (74) Davies Collison Cave Pty Ltd

(71) The Board of Regents of the University of Oklahoma; Agenus Inc.  
 (11) AU-A-2022201998  
 (21) 2022201998 (22) 23.03.2022  
 (54) Identification of MHC class I phospho-peptide antigens from breast cancer utilizing SHLA technology and complementary enrichment strategies  
 (51) Int. Cl.  
*C07K 16/00* ( 2006.01 )  
*A61K 38/08* ( 2019.01 )  
*A61K 38/10* ( 2006.01 )  
*A61K 39/00* ( 2006.01 )  
*C12N 5/07* ( 2010.01 )  
 (43) 14.04.2022  
 (62) 2020200990  
 (72) HUNT, Donald F.; NORRIS, Andrew; ENGLISH, Ann Michelle; SHABANOWITZ, Jeffrey; HILDERBRAND, William H.; HAWKINS, Oriana E.  
 (74) Spruson & Ferguson

(71) The Board of Trustees of the Leland Stanford Junior University  
 (11) AU-A-2022202132  
 (21) 2022202132 (22) 29.03.2022  
 (54) Multiplexed imaging of tissues using mass tags and secondary ion mass spectrometry  
 (51) Int. Cl.  
*B01D 59/44* ( 2006.01 )  
 (43) 14.04.2022  
 (62) 2020200535  
 (72) Bendall, Sean C.; Nolan, Garry P.; Angelo, Robert M.  
 (74) FPA Patent Attorneys Pty Ltd

(71) The BOT of the Leland Stanford Junior University  
 (11) AU-A-2022201973  
 (21) 2022201973 (22) 22.03.2022  
 (54) Treatment of post-bariatric hypoglycemia with exendin(9-39)  
 (51) Int. Cl.  
*A61K 38/17* ( 2006.01 )  
*A61P 3/10* ( 2006.01 )  
 (43) 14.04.2022  
 (62) 2016267057  
 (72) MCLAUGHLIN, Tracey L.; CRAIG, Colleen M.  
 (74) FB Rice Pty Ltd

(71) The Broad Institute, Inc.; Massachusetts Institute of Technology; President and Fellows of Harvard College  
 (11) AU-A-2022202048  
 (21) 2022202048 (22) 24.03.2022  
 (54) Engineering and optimization of improved systems, methods and enzyme compositions for sequence manipulation  
 (51) Int. Cl.  
*C12N 15/63* ( 2006.01 )  
 (43) 14.04.2022  
 (62) 2019236591  
 (72) Zhang, Feng; Ran, Fei; Shalem, Ophir  
 (74) FPA Patent Attorneys Pty Ltd

(71) The Cawthron Institute Trust Board  
 (11) AU-A-2022200815  
 (21) 2022200815 (22) 08.02.2022  
 (54) IMPROVED METHOD OF PRODUCING OYSTERS  
 (51) Int. Cl.  
*A01K 67/033* ( 2006.01 )  
 (43) 14.04.2022  
 (62) 2021201595  
 (72) ADAMS, Serean; JANKE, Achim Ralph  
 (74) Stephen R Parker

(71) THE CHINESE UNIVERSITY OF HONG KONG  
 (11) AU-A-2022202130  
 (21) 2022202130 (22) 29.03.2022  
 (54) DETECTION OF GENETIC OR MOLECULAR ABERRATIONS ASSOCIATED WITH CANCER  
 (51) Int. Cl.  
*C12Q 1/68* ( 2018.01 )  
 (43) 14.04.2022  
 (62) 2020201081  
 (72) LO, Yuk Ming Dennis; CHAN, Kwan Chee; CHIU, Wai Kwun Rossa; JIANG, Peiyong  
 (74) Griffith Hack

(71) The Regents of the University of California  
 (11) AU-A-2022201963  
 (21) 2022201963 (22) 22.03.2022  
 (54) Fusogenic liposome-coated porous silicon nanoparticles  
 (51) Int. Cl.  
*A61K 8/14* ( 2006.01 )  
*A61K 9/127* ( 2006.01 )  
*A61K 31/695* ( 2006.01 )  
*B82Y 5/00* ( 2011.01 )  
*B82Y 30/00* ( 2011.01 )  
 (43) 14.04.2022  
 (62) 2016291224  
 (72) SAILOR, Michael J.; KIM, Byungji; KANG, Jinyoung  
 (74) Spruson & Ferguson

(71) The Regents of the University of California  
 (11) AU-A-2022202004  
 (21) 2022202004 (22) 23.03.2022  
 (54) Enhancing beta cell replication and/or survival  
 (51) Int. Cl.  
*A61K 31/515* ( 2006.01 )  
*A61K 31/197* ( 2006.01 )  
*A61K 31/517* ( 2006.01 )  
*A61K 31/5513* ( 2006.01 )  
*A61K 31/5517* ( 2006.01 )  
*A61K 31/56* ( 2006.01 )  
 (43) 14.04.2022  
 (62) 2016338916  
 (72) Kaufman, Daniel L.; Tian, Jide  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

(71) THE REGENTS OF THE UNIVERSITY OF CALIFORNIA; UNITED STATES



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GOVERNMENT REPRESENTED BY THE DEPARTMENT OF VETERANS AFFAIRS  
**(11)** AU-A-2022201524  
**(21)** 2022201524 **(22)** 04.03.2022  
**(54)** INHIBITORS OF THE N-TERMINAL DOMAIN OF THE ANDROGEN RECEPTOR  
**(51)** Int. Cl.  
*C07C 225/16* ( 2006.01 )  
*A61K 31/045* ( 2006.01 )  
*A61K 31/121* ( 2006.01 )  
*A61K 31/137* ( 2006.01 )  
*A61K 31/395* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
*C07C 33/28* ( 2006.01 )  
*C07C 33/48* ( 2006.01 )  
*C07C 49/235* ( 2006.01 )  
*C07C 49/248* ( 2006.01 )  
*C07C 69/65* ( 2006.01 )  
*C07C 233/11* ( 2006.01 )  
*C07C 233/13* ( 2006.01 )  
*C07C 233/22* ( 2006.01 )  
*C07C 233/91* ( 2006.01 )  
*C07D 239/06* ( 2006.01 )  
*C07D 295/104* ( 2006.01 )  
*C07D 303/12* ( 2006.01 )  
*C07D 303/22* ( 2006.01 )  
*C07D 303/32* ( 2006.01 )  
*C07D 333/24* ( 2006.01 )  
**(43)** 14.04.2022  
**(62)** 2018210393  
**(72)** RETTIG, Matthew; JUNG, Michael, E.; RALALAGE, D. Elshan Nakath, G.; AN, Jiabin  
**(74)** Pearce IP Pty Ltd

**The Trustees of the University of Pennsylvania see Novartis AG**  
**(21)** 2022202024

**(71)** TNBT Holdings Pty Ltd  
**(11)** AU-A-2022201974  
**(21)** 2022201974 **(22)** 22.03.2022  
**(54)** A Lock  
**(51)** Int. Cl.  
*E05B 63/18* ( 2006.01 )  
*E05B 1/00* ( 2006.01 )  
*E05B 9/02* ( 2006.01 )  
*E05B 15/04* ( 2006.01 )  
*E05B 17/00* ( 2006.01 )  
*E05B 17/04* ( 2006.01 )  
*E05B 55/00* ( 2006.01 )  
*E05B 63/00* ( 2006.01 )  
*E05B 63/04* ( 2006.01 )  
*E05C 1/00* ( 2006.01 )  
*E05C 1/12* ( 2006.01 )  
**(43)** 14.04.2022  
**(62)** 2020207887  
**(72)** Butt, Simon; Ngan, Frankie  
**(74)** Chrysiliou IP

**(71)** TODD, P.  
**(11)** AU-A-2021269309  
**(21)** 2021269309 **(22)** 16.11.2021  
**(54)** A WATERCRAFT MANOEUVRING DEVICE AND A SURFACE WATERCRAFT INCLUDING THE MANOEUVRING DEVICE

**(51)** Int. Cl.  
*B63B 32/62* ( 2020.01 )  
*B63B 32/64* ( 2020.01 )  
*B63B 32/66* ( 2020.01 )  
*B63B 32/40* ( 2020.01 )  
*B63B 39/06* ( 2006.01 )  
**(43)** 14.04.2022  
**(62)** 2021221704  
**(72)** TODD, Philip James  
**(74)** IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD

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**(71)** Topcon Corporation  
**(11)** AU-A-2021232847  
**(21)** 2021232847 **(22)** 20.09.2021  
**(54)** METHOD FOR DETECTING PLANT GROWTH AMOUNT, PLANT SENSOR, AND FERTILIZING APPARATUS  
**(51)** Int. Cl.  
*G01N 21/27* ( 2006.01 )  
*A01C 21/00* ( 2006.01 )  
*G01B 11/22* ( 2006.01 )  
*G01N 21/84* ( 2006.01 )  
*G01S 17/10* ( 2020.01 )  
*G01S 17/88* ( 2006.01 )  
*G05B 19/045* ( 2006.01 )  
**(31)** 2020-160877 **(32)** 25.09.20 **(33)** JP  
 2021-094249 04.06.21 JP  
**(43)** 14.04.2022  
**(72)** Akiyama, Shugo  
**(74)** Phillips Ormonde Fitzpatrick

**(71)** TRACTO-TECHNIK GmbH & Co. KG  
**(11)** AU-A-2021254510  
**(21)** 2021254510 **(22)** 14.09.2021  
**(54)** Boomshot of an earth drill rod, drive element, boomshot system and earth drilling device  
**(51)** Int. Cl.  
*E21B 17/02* ( 2006.01 )  
*E21B 17/03* ( 2006.01 )  
*E21B 17/046* ( 2006.01 )  
**(31)** 102020005982.1 **(32)** 30.09.20 **(33)** DE  
**(43)** 14.04.2022  
**(72)** Löher, Christian; Klein, Tobias  
**(74)** Phillips Ormonde Fitzpatrick

**(71)** Tyme, Inc.  
**(11)** AU-A-2022202113  
**(21)** 2022202113 **(22)** 29.03.2022  
**(54)** Pharmaceutical compositions and methods  
**(51)** Int. Cl.  
*A61K 31/195* ( 2006.01 )  
*A61K 38/00* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
**(43)** 14.04.2022  
**(62)** 2020201683  
**(72)** Hoffman, Steven  
**(74)** Davies Collison Cave Pty Ltd

**UNITED STATES GOVERNMENT REPRESENTED BY THE DEPARTMENT OF VETERANS AFFAIRS see THE REGENTS OF THE UNIVERSITY OF CALIFORNIA**  
**(21)** 2022201524

**(71)** UTI Limited Partnership  
**(11)** AU-A-2022202021  
**(21)** 2022202021 **(22)** 23.03.2022  
**(54)** Nanoparticle compositions for sustained therapy  
**(51)** Int. Cl.  
*A61K 39/385* ( 2006.01 )  
*A61K 9/14* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
*A61P 37/04* ( 2006.01 )  
**(43)** 14.04.2022  
**(62)** 2016275312  
**(72)** Santmaria, Pedro  
**(74)** FB Rice Pty Ltd

**(71)** VANDA PHARMACEUTICALS INC.  
**(11)** AU-A-2022201953  
**(21)** 2022201953 **(22)** 21.03.2022  
**(54)** ADMINISTRATION OF TASIMELTEON UNDER FASTED CONDITIONS  
**(51)** Int. Cl.  
*A61K 31/343* ( 2006.01 )  
*A61P 25/00* ( 2006.01 )  
*A61P 43/00* ( 2006.01 )  
**(43)** 14.04.2022  
**(62)** 2020202719  
**(72)** Polymeropoulos, Mihael H.; Dressman, Marlene Michelle; Baroldi, Paolo  
**(74)** RnB IP

**(71)** Vertex Pharmaceuticals Incorporated  
**(11)** AU-A-2022202000  
**(21)** 2022202000 **(22)** 23.03.2022  
**(54)** Materials and methods for treatment of pain related disorders  
**(51)** Int. Cl.  
*C12N 15/10* ( 2006.01 )  
*C07K 14/705* ( 2006.01 )  
*C12N 9/22* ( 2006.01 )  
*C12N 15/11* ( 2006.01 )  
**(43)** 14.04.2022  
**(62)** 2017292169  
**(72)** Lundberg, Ante Sven; Kulkarni, Samarth; Klein, Lawrence; Padmanabhan, Hari Kumar  
**(74)** Pizeys Patent and Trade Mark Attorneys Pty Ltd

**(71)** ViaSat, Inc.  
**(11)** AU-A-2022202022  
**(21)** 2022202022 **(22)** 23.03.2022  
**(54)** Device shaping in a communications network  
**(51)** Int. Cl.  
*H04W 28/02* ( 2009.01 )  
*H04B 7/185* ( 2006.01 )  
**(43)** 14.04.2022  
**(62)** 2017317018  
**(72)** Wright, Sheridan; Khanna, Bakul  
**(74)** Adams Pluck

**(71)** Visa International Service Association  
**(11)** AU-A-2022202047  
**(21)** 2022202047 **(22)** 24.03.2022  
**(54)** Remote usage of locally stored biometric authentication data  
**(51)** Int. Cl.

Applications Open to Public Inspection - Name Index cont'd

- G06F 21/32** ( 2013.01 )  
**H04W 12/06** ( 2021.01 )  
**(43)** 14.04.2022  
**(62)** 2017316312  
**(72)** SHEETS, John  
**(74)** FPA Patent Attorneys Pty Ltd
- 
- (71)** Visa International Service Association  
**(11)** AU-A-2022202133  
**(21)** 2022202133 **(22)** 29.03.2022  
**(54)** Systems and methods for creating a universal record  
**(51)** Int. Cl.  
**G06F 15/16** ( 2006.01 )  
**(43)** 14.04.2022  
**(62)** 2017355448  
**(72)** THEKADATH, Ajith; MUKHERJEE, Suman  
**(74)** FPA Patent Attorneys Pty Ltd
- 
- (71)** Vivid Robotics, Inc.  
**(11)** AU-A-2020466993  
**(21)** 2020466993 **(22)** 18.09.2020  
**(54)** Apparatus for the association of liquid and foodstuff onto a base  
**(51)** Int. Cl.  
**A23P 20/20** ( 2016.01 )  
**A21D 13/41** ( 2017.01 )  
**(43)** 14.04.2022  
**(72)** De Vitis, Brian; Reinecke, Kort  
**(74)** Adams Pluck
- 
- (71)** Vockler, P.  
**(11)** AU-A-2021240169  
**(21)** 2021240169 **(22)** 29.09.2021  
**(54)** A puddle flange installation attachment  
**(51)** Int. Cl.  
**B24D 7/18** ( 2006.01 )  
**B24D 7/06** ( 2006.01 )  
**B28D 1/04** ( 2006.01 )  
**E03F 5/04** ( 2006.01 )  
**(31)** 2020903523 **(32)** 30.09.20 **(33)** AU  
**(43)** 14.04.2022  
**(72)** Vockler, Phil  
**(74)** Patentec Patent Attorneys
- 
- (71)** Wearforce Pty Ltd  
**(11)** AU-A-2021221771  
**(21)** 2021221771 **(22)** 25.08.2021  
**(54)** Attachment assembly and ground engaging assembly for earthmoving equipment  
**(51)** Int. Cl.  
**E02F 9/28** ( 2006.01 )  
**(31)** 2020903512 **(32)** 29.09.20 **(33)** AU  
**(43)** 14.04.2022  
**(72)** Thomson, Andrew; Chapman, Kevin; McDonald, Bruce  
**(74)** Integrated IP
- 
- (71)** Webfleet Solutions B.V.  
**(11)** AU-A-2022201977  
**(21)** 2022201977 **(22)** 22.03.2022  
**(54)** Wireless communication devices  
**(51)** Int. Cl.  
**G07C 5/08** ( 2006.01 )
- 
- B60W 40/09** ( 2012.01 )  
**H04W 4/00** ( 2018.01 )  
**G07C 5/00** ( 2006.01 )  
**(43)** 14.04.2022  
**(62)** 2016282349  
**(72)** MEYER, Ulf; ZIMMERMANN, David  
**(74)** Spruson & Ferguson
- 
- (71)** Westinghouse Air Brake Technologies Corporation  
**(11)** AU-A-2021240159  
**(21)** 2021240159 **(22)** 29.09.2021  
**(54)** MULTI-VEHICLE BRAKING SYSTEM  
**(51)** Int. Cl.  
**B60T 8/17** ( 2006.01 )  
**B60T 13/66** ( 2006.01 )  
**B60T 17/22** ( 2006.01 )  
**B61H 13/34** ( 2006.01 )  
**(31)** 63/085,458 **(32)** 30.09.20 **(33)** US  
 17/468,773 08.09.21 US  
**(43)** 14.04.2022  
**(72)** Wolf, Charles L.; Haas, Carl L.; Henniges, Benjamin; Uehling, Mark  
**(74)** Phillips Ormonde Fitzpatrick
- 
- (71)** Westinghouse Air Brake Technologies Corporation  
**(11)** AU-A-2022201975  
**(21)** 2022201975 **(22)** 22.03.2022  
**(54)** SYSTEM, METHOD, AND APPARATUS FOR DETERMINING A COMMUNICATION STATUS OF LOCOMOTIVES IN A DISTRIBUTED POWER SYSTEM  
**(51)** Int. Cl.  
**H04L 1/18** ( 2006.01 )  
**B61L 15/00** ( 2006.01 )  
**H04B 7/06** ( 2006.01 )  
**H04B 7/08** ( 2006.01 )  
**H04W 84/00** ( 2009.01 )  
**(43)** 14.04.2022  
**(62)** 2021200132  
**(72)** Bender, Paul Gerard; Wolf, Charles L.; Klemanski, Richard S.  
**(74)** Phillips Ormonde Fitzpatrick
- 
- (71)** Wistron Corporation  
**(11)** AU-A-2021200794  
**(21)** 2021200794 **(22)** 08.02.2021  
**(54)** Traffic status display system and related display method  
**(51)** Int. Cl.  
**G08G 1/01** ( 2006.01 )  
**(31)** 109134001 **(32)** 30.09.20 **(33)** TW  
**(43)** 14.04.2022  
**(72)** HUANG, Chia-Hsien; LIN, Cheng-Wei  
**(74)** Griffith Hack
- 
- (71)** Worthington, M.  
**(11)** AU-A-2020239826  
**(21)** 2020239826 **(22)** 27.09.2020  
**(54)** R.O.C.Face  
**(51)** Int. Cl.  
**C23C 22/00** ( 2006.01 )  
**C09D 5/00** ( 2006.01 )  
**E02F 9/28** ( 2006.01 )  
**(31)** 2020903472 **(32)** 26.09.20 **(33)** AU
- 
- (43)** 14.04.2022  
**(72)** Worthington, Michael Graham; Vogler, Lin  
**(74)** Michael Graham Worthington
- 
- (71)** Worthington, M.  
**(11)** AU-A-2020239827  
**(21)** 2020239827 **(22)** 27.09.2020  
**(54)** R.O.C. Hard  
**(51)** Int. Cl.  
**C23C 22/00** ( 2006.01 )  
**B23K 9/04** ( 2006.01 )  
**C09D 5/00** ( 2006.01 )  
**(31)** 2020903473 **(32)** 26.09.20 **(33)** AU  
**(43)** 14.04.2022  
**(72)** Worthington, Michael Graham; Vogler, Lin  
**(74)** Michael Graham Worthington
- 
- (71)** Worthington, M.  
**(11)** AU-A-2020239828  
**(21)** 2020239828 **(22)** 27.09.2020  
**(54)** R.O.C. Liquid  
**(51)** Int. Cl.  
**C23C 22/00** ( 2006.01 )  
**B23K 9/04** ( 2006.01 )  
**C09D 5/00** ( 2006.01 )  
**(31)** 2020903474 **(32)** 26.09.20 **(33)** AU  
**(43)** 14.04.2022  
**(72)** Worthington, Michael Graham; Vogler, Lin  
**(74)** Michael Graham Worthington
- 
- (71)** Wright Medical Technology, Inc.  
**(11)** AU-A-2022202039  
**(21)** 2022202039 **(22)** 24.03.2022  
**(54)** Cartilage removal tool and method  
**(51)** Int. Cl.  
**A61B 17/3205** ( 2006.01 )  
**A61B 17/32** ( 2006.01 )  
**A61B 17/56** ( 2006.01 )  
**(43)** 14.04.2022  
**(62)** 2020201624  
**(72)** WOODARD, Joseph Ryan; LUT-TRELL, Paul; THOREN, Brian Robert; MULLER, Erin; STROHKIRCH, Terrence W.; LOWERY, Gary W.  
**(74)** Spruson & Ferguson
- 
- (71)** X-Body, Inc.  
**(11)** AU-A-2022202076  
**(21)** 2022202076 **(22)** 25.03.2022  
**(54)** Target antigen discovery, phenotypic screens and use thereof for identification of target cell specific target epitopes  
**(51)** Int. Cl.  
**G01N 33/53** ( 2006.01 )  
**C12N 15/11** ( 2006.01 )  
**G01N 33/563** ( 2006.01 )  
**G01N 33/68** ( 2006.01 )  
**(43)** 14.04.2022  
**(62)** 2020200325  
**(72)** CHEN, Yan; SHAMAH, Steve  
**(74)** FB Rice Pty Ltd

## Applications Open to Public Inspection - Name Index cont'd

- (71) ZHEJIANG JINKO SOLAR CO., LTD.;  
JINKO SOLAR CO., LTD.
- (11) AU-A-2022201918
- (21) 2022201918 (22) 21.03.2022
- (54) PHOTOVOLTAIC MODULE
- (51) Int. Cl.  
*H02S 30/00* ( 2014.01 )
- (43) 14.04.2022
- (62) 2020277176
- (72) LI, Bairu; XU, Menglei; YANG, Jie;  
ZHANG, Xinyu; JIN, Hao
- (74) AJ Pietras IP Limited

Numerical Index

<b>2020239793</b>	REFLEX INSTRUMENTS ASIA PACIFIC PTY LTD	<b>2022201940</b>	Dana-Farber Cancer Institute, Inc.
<b>2020239826</b>	Worthington, M.	<b>2022201942</b>	Stahlkontor GmbH & Co. Kg
<b>2020239827</b>	Worthington, M.	<b>2022201943</b>	Becton, Dickinson and Company
<b>2020239828</b>	Worthington, M.	<b>2022201944</b>	Tesaro
<b>2020244510</b>	Peirson Harris Felder Pty. Limited	<b>2022201945</b>	Pinssar Pty Ltd
<b>2020244512</b>	PEEVER, S.	<b>2022201947</b>	ArQule, Inc.
<b>2020466993</b>	Vivid Robotics, Inc.	<b>2022201948</b>	ICU Medical, Inc.
<b>2021200794</b>	Wistron Corporation	<b>2022201949</b>	Magic Leap, Inc.
<b>2021201593</b>	Kegland Holdings Pty Ltd	<b>2022201950</b>	BioXcel Therapeutics, Inc.
<b>2021206787</b>	Stoddart Technology Pty Ltd	<b>2022201951</b>	Becton Dickinson and Company Limited
<b>2021206875</b>	DePuy Ireland Unlimited Company	<b>2022201952</b>	Boyle, N.
<b>2021209240</b>	Adobe Inc.	<b>2022201953</b>	VANDA PHARMACEUTICALS INC.
<b>2021209341</b>	Tan, J.	<b>2022201954</b>	AVECHO BIOTECHNOLOGY LIMITED
<b>2021221416</b>	Schneider Electric (Australia) Pty Limited	<b>2022201955</b>	Celularity Inc.
<b>2021221417</b>	Schneider Electric (Australia) Pty Limited	<b>2022201957</b>	Alarm.com Incorporated
<b>2021221419</b>	Schneider Electric (Australia) Pty Limited	<b>2022201958</b>	Fine, K.D.
<b>2021221421</b>	Schneider Electric (Australia) Pty Limited	<b>2022201959</b>	Cryovac, Inc.
<b>2021221502</b>	Gorrie, L.	<b>2022201960</b>	F. Hoffmann-La Roche AG
<b>2021221771</b>	Wearforce Pty Ltd	<b>2022201963</b>	The Regents of the University of California
<b>2021221863</b>	Deere & Company	<b>2022201966</b>	Monash University
<b>2021225253</b>	Globe (Jiangsu) Co., Ltd.	<b>2022201967</b>	Magic Leap, Inc.
<b>2021229219</b>	Terra Quantum AG	<b>2022201968</b>	Accenture Global Solutions Limited
<b>2021232657</b>	Codan US Corporation	<b>2022201972</b>	Pharmacyclics LLC
<b>2021232708</b>	Ishida Co., Ltd.	<b>2022201973</b>	The BOT of the Leland Stanford Junior University
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<b>2021232847</b>	Topcon Corporation	<b>2022201975</b>	Westinghouse Air Brake Technologies Corporation
<b>2021232848</b>	Sun Rise E & T Corporation	<b>2022201976</b>	Kroupa, B.
<b>2021235843</b>	Schneider Electric Industries SAS	<b>2022201977</b>	Webfleet Solutions B.V.
<b>2021236427</b>	Schneider Electric Industries SAS	<b>2022201978</b>	Elbex Video Ltd.
<b>2021236466</b>	FJ Dynamics Co., Ltd.	<b>2022201982</b>	CASE WESTERN RESERVE UNIVERSITY; BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM
<b>2021236477</b>	PGS Geophysical AS	<b>2022201984</b>	BioSpecifics Technologies Corporation; Duke University
<b>2021236527</b>	Terra Quantum AG	<b>2022201985</b>	LG ELECTRONICS INC.
<b>2021236530</b>	ALMAC S.R.L.	<b>2022201986</b>	Astellas Institute for Regenerative Medicine
<b>2021236573</b>	LG Electronics Inc.	<b>2022201988</b>	Corning Optical Communications LLC
<b>2021236579</b>	INA Acquisition Corp.	<b>2022201989</b>	Commonwealth Scientific and Industrial Research Organisation
<b>2021236585</b>	EQUUS AEROSPACE PTY. LTD.	<b>2022201990</b>	Novozymes A/S
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<b>2021240118</b>	HAGER-ELECTRO SAS	<b>2022201993</b>	Alnylam Pharmaceuticals, Inc.
<b>2021240149</b>	Prysmian S.p.A.	<b>2022201996</b>	Rail-Veyor Technologies Global Inc.
<b>2021240159</b>	Westinghouse Air Brake Technologies Corporation	<b>2022201998</b>	The Board of Regents of the University of Oklahoma; Agenus Inc.
<b>2021240169</b>	Vockler, P.	<b>2022202000</b>	Vertex Pharmaceuticals Incorporated
<b>2021240198</b>	ELAFLEX HIBY GmbH & Co. KG	<b>2022202001</b>	Ohio State Innovation Foundation
<b>2021240203</b>	ELAFLEX HIBY GmbH & Co. KG	<b>2022202002</b>	FISHER & PAYKEL HEALTHCARE LIMITED
<b>2021240247</b>	Aristocrat Technologies, Inc.	<b>2022202003</b>	Diamyd Medical AB
<b>2021240256</b>	Levitas, Inc.	<b>2022202004</b>	The Regents of the University of California
<b>2021240282</b>	Aristocrat Technologies, Inc.	<b>2022202005</b>	Pelzer, F.
<b>2021254510</b>	TRACTO-TECHNIK GmbH & Co. KG	<b>2022202007</b>	Bayer HealthCare LLC
<b>2021269309</b>	TODD, P.	<b>2022202008</b>	Crown Equipment Corporation
<b>2021338586</b>	Nanjing Chervon Industry Co., Ltd.	<b>2022202009</b>	INCYTE CORPORATION
<b>2022200815</b>	The Cawthron Institute Trust Board	<b>2022202010</b>	LG Electronics Inc.
<b>2022201524</b>	THE REGENTS OF THE UNIVERSITY OF CALIFORNIA; UNITED STATES GOVERNMENT REPRESENTED BY THE DEPARTMENT OF VETERANS AFFAIRS	<b>2022202011</b>	Sirna Therapeutics, Inc.
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<b>2022201873</b>	Building Block Nutritionals, LLC	<b>2022202015</b>	National Research Council of Canada (NRC)
<b>2022201918</b>	ZHEJIANG JINKO SOLAR CO., LTD.; JINKO SOLAR CO., LTD.	<b>2022202018</b>	Martin, M.
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<b>2022201923</b>	Celgene Corporation	<b>2022202022</b>	ViaSat, Inc.
<b>2022201926</b>	Cripps Clark, J.	<b>2022202023</b>	Fanplayr Inc.
<b>2022201928</b>	Canva Pty Ltd	<b>2022202024</b>	Novartis AG; The Trustees of the University of Pennsylvania
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2022202034	Boehringer Ingelheim Animal Health USA Inc.
2022202035	Boehringer Ingelheim Animal Health USA Inc.
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2022202044	Apple Inc.
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<u>H02S 40 /-</u> 2021232848	<u>H04W 84 /-</u> 2022201975
<u>H04B 10 /-</u> 2022201978 2022202027	<u>H04W 88 /-</u> 2022202013 2022202091
<u>H04B 7 /-</u> 2022201975 2022202022 2022202091	<u>H05B 3 /-</u> 2022201934
<u>H04L 1 /-</u> 2022201975	<u>H05K 5 /-</u> 2021221417 2021221421
<u>H04L 12 /-</u> 2021235843 2022202068 2022202090	<b>No IPC Mark</b>
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 (This list may contain multiple listings of a patent where there are multiple patentees for that patent.)

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**H02G 11/00** (2006.01)  
**A47B 21/06** (2006.01)  
**A47B 83/00** (2006.01)  
**F16M 11/04** (2006.01)  
**F16M 13/02** (2006.01)  
**F21S 8/06** (2006.01)  
**H02G 3/00** (2006.01)  
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(51) Int. Cl.  
**G06V 40/16** (2022.01)  
**G06F 3/01** (2006.01)  
**G06F 17/18** (2006.01)  
**G06F 40/35** (2020.01)  
**G06F 40/40** (2020.01)  
**G06N 20/00** (2019.01)  
**G06T 7/00** (2017.01)  
**G16B 40/00** (2019.01)  
**G16H 50/70** (2018.01)

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**A61B 5/024** (2006.01)  
**A61B 5/08** (2006.01)  
**A61B 5/145** (2006.01)  
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A01K 67/033 ( 2006.01 )  
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G06E 1/04 ( 2006.01 )  
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**H04L 51/00** ( 2022.01 )  
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**(74)** BRIJ BHOOSHAN GUPTA

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**F41H 13/00** ( 2006.01 )  
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**F41G 3/00** ( 2006.01 )  
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**(72)** Jagadish, J.S.; Rammyaa, B.; Jose, Dr Deepa  
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**G01N 21/27** ( 2006.01 )  
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**(72)** Ramesh, Reshmaja K; Sreeja, P.S.  
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**(71)** Hindustan Institute of Technology and Science; SINHA, A.; SREEJA, P.S.  
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**(51)** Int. Cl.  
**G06V 40/16** ( 2022.01 )  
**G06N 3/08** ( 2006.01 )  
**G06Q 30/02** ( 2012.01 )  
**G06N 3/02** ( 2006.01 )  
**(45)** 14.04.2022  
**(72)** K. Vasudevan, Shriram; Ravi, Suryakumar; Vamsi Dantu, Nitin; Vishnu K. B., Dana; Baskaran, Balraj  
**(74)** Albert Francis

**Kalapala, S. see Patro, P.**  
**(21)** 2021104757

**Kamal, M.R. see Tirumishi Jada, D.**  
**(21)** 2021104402

**Kanakaraddi, S.G. see Bali, J.**  
**(21)** 2021103840

**Kanwate, A. see Rahate, G.**  
**(21)** 2021104279

**Kathuria, M. see Tiwari, S.**  
**(21)** 2021104037

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**(21)** 2021104037

**Kaur, M. see Rahate, G.**  
**(21)** 2021104279

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**KC, B.R. see Mantry, S.**  
(21) 2021104457

(71) K C, B.R.; Tiwari, A.K.; Yadav, P.K.; K S, R.; Nayak, A.K.; Singh, D.

(11) AU-A-2021104673

(21) 2021104673 (22) 28.07.2021

(54) POLY HERBAL GREEN TEA SUPPLEMENT FOR IMPROVING IMPLANTATION & FERTILITY

(51) Int. Cl.

A61K 36/82 ( 2006.01 )

A23F 3/14 ( 2006.01 )

A61K 9/00 ( 2006.01 )

A61K 31/355 ( 2006.01 )

A61K 31/4415 ( 2006.01 )

A61K 31/519 ( 2006.01 )

A61K 31/714 ( 2006.01 )

A61K 33/06 ( 2006.01 )

A61K 33/26 ( 2006.01 )

A61K 33/30 ( 2006.01 )

A61K 36/185 ( 2006.01 )

A61P 15/08 ( 2006.01 )

(45) 14.04.2022

(72) K. C., Bharath Raj; Tiwari, Anupam Kumar; Yadav, Prashant Kumar; K. S., Rajesh; Nayak, Amit Kumar; Singh, Divya

(74) viji arun

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(21) 2021103286

**Kherwa, P. see R, S.**

(21) 2021104321

**Kishore, R.H. see Patro, P.**

(21) 2021104757

**Kochhar, N. see Mehbodniya, A.**

(21) 2021104979

**KOMMA, V.N. see BADASHAH, S.J.**

(21) 2021103904

**Krishna, K.M. see Patro, P.**

(21) 2021104757

**K S, R. see Mantry, S.**

(21) 2021104457

**K S, R. see K C, B.R.**

(21) 2021104673

**kumar, G. see Malviya, R.**

(21) 2021104451

**Kumar, D. see Biswas, J.**

(21) 2021103687

**Kumar, M. see Kumar, A.**

(21) 2021103688

(71) Kumar, A.; Duhan, S.; Sharma, B.; Ranga, N.; Dhayal, S.S.; Kumar, M.; Manju, .; Thakur, R.

(11) AU-A-2021103688

(21) 2021103688 (22) 28.06.2021

(54) PROCESS OF ANALYSING PROFILE OF ARIPIPIRAZOLE FROM SBA —16 MATRIX

(51) Int. Cl.

C01B 33/18 ( 2006.01 )

A61K 9/14 ( 2006.01 )

A61K 31/496 ( 2006.01 )

A61K 47/02 ( 2006.01 )

B01J 20/10 ( 2006.01 )

(45) 14.04.2022

(72) Kumar, Atul; Duhan, Surender; Ranga, Narender; Thakur, Rajesh

(74) Atul Kumar

**Kumar, P.B. see Yadav, E.**

(21) 2021103946

**Kumar, B.P.S. see Shaik, S.B.**

(21) 2021103991

**Kumar, P. see Jeet, R.**

(21) 2021103996

**Kumar, S. see Tiwari, S.**

(21) 2021104037

**Kumar, S. see Shashvat, K.**

(21) 2021104283

**Kumar, P. see TAHASIN, Z.**

(21) 2021104539

**Kumar, K. see Patro, P.**

(21) 2021104757

**Kumar, N. see Swathi, M.**

(21) 2021104763

**Kumar, S. see Mehbodniya, A.**

(21) 2021104979

**Kumar, P. see Mehbodniya, A.**

(21) 2021104979

**KUMAR, S.V. see BADASHAH, S.J.**

(21) 2021103904

**KUMARI, L.V.R. see RAO, G.J.**

(21) 2021105184

**Kumar Sharma, M. see Sharma, M.**

(21) 2021104947

**Kuskar, S. see Pande, V.**

(21) 2021105078

(71) L, J.; S, J.; U, S.

(11) AU-A-2021104033

(21) 2021104033 (22) 10.07.2021

(54) SMART CARR (Clean Air Route Recommender)

(51) Int. Cl.

G01C 21/34 ( 2006.01 )

B60R 16/023 ( 2006.01 )

G01N 1/22 ( 2006.01 )

G01N 33/00 ( 2006.01 )

(45) 14.04.2022

(72) L, JabaSheela; S, Jenifer; U, Sudharshna

(74) JabaSheela L

**L, C. see R, S.**

(21) 2021104321

**LAKSHMIKANTHAN, A. see BADASHAH, S.J.**

(21) 2021103904

**Lodhi, A.S. see Masih, J.**

(21) 2021105033

(71) Lovely Professional University

(11) AU-A-2021104999

(21) 2021104999 (22) 05.08.2021

(54) A REAL-TIME ROAD TEMPERATURE MONITORING SYSTEM IN A HILLY AREA

(51) Int. Cl.

H04Q 9/00 ( 2006.01 )

G08G 1/0967 ( 2006.01 )

H04L 67/12 ( 2022.01 )

H04W 4/38 ( 2018.01 )

(45) 14.04.2022

(72) SINGH, Rajesh; GUPTA, Lovi Raj; GEHLOT, Anita; THAKUR, Amit Kumar; AKRAM, Shaik Vaseem; GUPTA, Nitin; JOSHI, Mahendra

(74) IP NATION

(71) Lovely Professional University

(11) AU-A-2021105071

(21) 2021105071 (22) 06.08.2021

(54) A METHOD TO INTEGRATE AND IMPLEMENT BLOCKCHAIN ENABLED LEAN SIX SIGMA

(51) Int. Cl.

G06Q 10/06 ( 2012.01 )

G06F 21/62 ( 2013.01 )

H04L 9/32 ( 2006.01 )

H04L 67/104 ( 2022.01 )

H04L 67/1097 ( 2022.01 )

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 RATHI, Rajeev; SINGH, Mahipal;  
 WALIA, Sandeep; SINGH, Pavitar Par-  
 kash; SINGLA, Tara; GUPTA, Meghna  
 (74) IP NATION

M, V. see Shameer, P.M.  
 (21) 2021103853

Mahapatra, S. see Mehbodniya, A.  
 (21) 2021104979

Malik, B. see Masih, J.  
 (21) 2021105033

Malik, N. see Masih, J.  
 (21) 2021105033

MALLA, R. see BENDI, R.  
 (21) 2021103940

Maludin, S. see Masih, J.  
 (21) 2021105033

(71) Malviya, R.; kumar, G.  
 (11) AU-A-2021104451  
 (21) 2021104451 (22) 22.07.2021  
 (54) IDENTIFICATION OF ANTI-COVID 19  
 AGENT SOMNIFERINE AS INHIBIT-  
 OR OF MPRO & ACE2-RBD INTERAC-  
 TION  
 (51) Int. Cl.  
 A61K 31/485 ( 2006.01 )  
 A61K 36/81 ( 2006.01 )  
 A61P 31/14 ( 2006.01 )  
 C12N 9/50 ( 2006.01 )  
 (45) 14.04.2022  
 (72) kumar, Gaurav; Malviya, Rishabha;  
 Mukherjee, Sumedha; Kumar Rai,  
 Ashish; Chauhan, Monika; Chauhan,  
 Diwakar; Kumar, Ajay; Singh, Anupam;  
 Singh, Sachidanand; Das, Surojeet;  
 Shyamali, Kumari; Jyoti, Shubhra  
 (74) Rishabha Malviya

Mandal, V. see Ghorai, T.K.  
 (21) 2021104511

Mani, A.M. see Raaza, A.  
 (21) 2021103913

MANIKANDAN, J. see BADASHAH, S.J.  
 (21) 2021103904

MANIKANDAN, E. see SRIRAM, P.  
 (21) 2021103937

Manju, .. see Kumar, A.

(21) 2021103688

Manotajasvini, N. see Raaza, A.  
 (21) 2021103913

MANTRAVADI, N. see RAO, G.J.  
 (21) 2021105184

(71) Mantry, S.; Raman, R.; Sahu, D.; KC,  
 B.R.; Sharma, R.; K S, R.  
 (11) AU-A-2021104457  
 (21) 2021104457 (22) 22.07.2021  
 (54) CAMPTOTHECIN LOADED MODIFIED  
 RELEASE MICROSPHERES FOR  
 CANCER CHEMOTHERAPY  
 (51) Int. Cl.  
 A61K 31/4745 ( 2006.01 )  
 A61J 3/00 ( 2006.01 )  
 A61K 9/16 ( 2006.01 )  
 A61P 35/00 ( 2006.01 )  
 (45) 14.04.2022  
 (72) Mantry, Shubhrajit; Raman, Rajeshku-  
 mar; Sahu, Dipansu; K. C., Bharat Raj;  
 Sharma, Rupali; K. S., Rajesh  
 (74) vijji arun

(71) Masih, J.; Deshpande, M.; Singh, H.;  
 Malik, B.; Malik, N.; Dubinsky, Z.; Ban-  
 nor, R.K.; Maludin, S.; Rajasekaran, R.;  
 Neema, R.; Lodhi, A.S.  
 (11) AU-A-2021105033  
 (21) 2021105033 (22) 06.08.2021  
 (54) A SELF-CONTROLLED UNMANNED  
 AERIAL VEHICLE SYSTEM FOR  
 FARMING APPLICATIONS AND ITS  
 WORKING METHOD THEREOF  
 (51) Int. Cl.  
 G05D 1/02 ( 2020.01 )  
 B64C 39/02 ( 2006.01 )  
 G05D 1/00 ( 2006.01 )  
 G05D 1/08 ( 2006.01 )  
 G06N 3/02 ( 2006.01 )  
 G06N 3/08 ( 2006.01 )  
 H04N 7/18 ( 2006.01 )  
 G05D 1/10 ( 2006.01 )  
 (45) 14.04.2022  
 (72) Masih, Jolly; Deshpande, Manojkumar;  
 Singh, Harvinder; Malik, Bernard; Ma-  
 lik, Nitin; Dubinsky, Ziv; Bannor, Richard  
 Kwasi; Maludin, Syafrizal; Rajasekaran,  
 Dr Rajkumar; Neema, Ronhit; Lodhi,  
 Abhay Singh  
 (74) Dr. Jolly Masih

MEENA, I. see BADASHAH, S.J.  
 (21) 2021103904

(71) Mehbodniya, A.; Kochhar, N.; Yadav,  
 S.; Choubey, A.; Choubey, S.; Kumar,  
 S.; Kumar, P.; Jain, S.; Jayapalan,  
 D.F.S.; Mahapatra, S.  
 (11) AU-A-2021104979  
 (21) 2021104979 (22) 05.08.2021  
 (54) SMART CLOUD-BASED SECURITY  
 AND PRIVACY SYSTEM FOR PRE-

VENTING COLLISION OF AUTO-  
 MATED AND SELF-DRIVE VEHICLE  
 (51) Int. Cl.  
 G05D 1/02 ( 2020.01 )  
 B60W 30/09 ( 2012.01 )  
 B60W 30/095 ( 2012.01 )  
 B60W 60/00 ( 2020.01 )  
 G08G 1/09 ( 2006.01 )  
 H04W 4/44 ( 2018.01 )  
 (45) 14.04.2022  
 (72) Mehbodniya, Abolfazl; Kochhar,  
 Navdeep; Yadav, Sanjay; Choubey,  
 Abha; Choubey, Siddhartha; Kumar,  
 Sushil; Kumar, Pravesh; Jain, Shilpa;  
 Jayapalan, Daniel Francis Selvaraj; Ma-  
 hapatra, Satyasundara  
 (74) John Thomas

Mehta, K. see Tiwari, R.  
 (21) 2021101568

MELINGI, S.B. see RAO, G.J.  
 (21) 2021105184

(71) Menon, S.  
 (11) AU-A-2021104262  
 (21) 2021104262 (22) 16.07.2021  
 (54) A SYSTEM AND METHOD TO AVOID  
 DISCONTINUITY IN DATA STREAMS  
 (51) Int. Cl.  
 G06F 16/248 ( 2019.01 )  
 G16H 10/60 ( 2018.01 )  
 (45) 14.04.2022  
 (72) Menon, Sindhu  
 (74) Dr. Sindhu Menon

Mishra, N. see Yadav, E.  
 (21) 2021103946

Mishra, U. see Patro, P.  
 (21) 2021104757

MISHRA, G.P. see BADASHAH, S.J.  
 (21) 2021103904

Mohanty, D. see Dash, S.  
 (21) 2021104943

Mohanty, P. see Dash, S.  
 (21) 2021104943

Mohanty, P. see Dash, S.  
 (21) 2021104943

Mohd Soom, M.A. see Tirumishi Jada, D.  
 (21) 2021104402

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 (21) 2021104269

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(21) 2021103084

**Mungara, J. see Pandit, K.**  
(21) 2021104722

**N, V. see Shameer, P.M.**  
(21) 2021103853

(71) N, S.; S, R.; Mokashi, B.  
(11) AU-A-2021104269  
(21) 2021104269 (22) 17.07.2021  
(54) An AI Enabled Contactless Remote Health Monitoring System for Neonatal Care  
(51) Int. Cl.  
**A61B 5/00** ( 2006.01 )  
**A61B 5/01** ( 2006.01 )  
**A61B 5/024** ( 2006.01 )  
**A61B 5/08** ( 2006.01 )  
**A61B 5/145** ( 2006.01 )  
(45) 14.04.2022  
(72) N., Shamanth; S., Roopashree; Mokashi, Bhargavi  
(74) Cedric Joseph

**N, Y. see Pandit, K.**  
(21) 2021104722

**Nain, M. see Shashvat, K.**  
(21) 2021104283

**Nandan, M. see Chanda, K.**  
(21) 2021103084

**Nandi, A.V. see Bali, J.**  
(21) 2021103840

(71) Nayak, P.; Jangdey, M.S.; Sahu, R.K.; Pandey, M.; Verma, R.K.; Sharma, U.  
(11) AU-A-2021104473  
(21) 2021104473 (22) 23.07.2021  
(54) A POLYHERBAL AYURVEDIC FORMULATION AS A POTENTIAL AGENT FOR ANTI-HYPERLIPIDEMIC  
(51) Int. Cl.  
**A61K 36/185** ( 2006.01 )  
**A61K 36/21** ( 2006.01 )  
**A61K 36/58** ( 2006.01 )  
**A61P 3/06** ( 2006.01 )  
(45) 14.04.2022  
(72) Nayak, Prashant; Jangdey, Manmohan Singh; Sahu, Ram Kumar; Pandey, Manisha; Verma, Rohit Kumar; Sharma, Uttam  
(74) viji arun

**Nayak, A.K. see K C, B.R.**  
(21) 2021104673

**Nazila, R. see TAHASIN, Z.**  
(21) 2021104539

**Neema, R. see Masih, J.**  
(21) 2021105033

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(21) 2021105076

(71) Ningbo Casualway Leisure Products Co., Ltd.  
(11) AU-A-2021107588  
(21) 2021107588 (22) 20.10.2021  
(54) A canopy frame for alleviating standing water  
(51) Int. Cl.  
**E04H 15/34** ( 2006.01 )  
(45) 14.04.2022  
(62) 2021102827  
(72) Wu, Guoxiang  
(74) Spruson & Ferguson

**Nirmala, S.R. see Bali, J.**  
(21) 2021103840

**Nissimagoudar, P.C. see Bali, J.**  
(21) 2021103840

**P, T. see S, S.**  
(21) 2021104546

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(21) 2021103913

**Pai, S. see Pandit, K.**  
(21) 2021104722

**Pal, R.S. see Saurabh, S.**  
(21) 2021103739

**Pamba, R. see TAHASIN, Z.**  
(21) 2021104539

(71) Pande, V.; Giri, M.; Bhalke, R.; Wagh, V.; Kuskar, S.; Chede, P.; Ahirrao, V.; Pote, A.; Parbhane, S.; Shinde, A.  
(11) AU-A-2021105078  
(21) 2021105078 (22) 07.08.2021  
(54) A NOVEL FORMULATION OF CHITOSAN NANOPARTICLES  
(51) Int. Cl.  
**A61K 9/51** ( 2006.01 )  
**A61K 31/05** ( 2006.01 )  
**A61K 47/36** ( 2006.01 )  
**A61P 25/28** ( 2006.01 )  
(45) 14.04.2022  
(72) Pande, Vishal; Giri, Mahendra; Bhalke, Rasika; Wagh, Vaibhav; Kuskar,

Sharmila; Chede, Pallavi; Ahirrao, Vikas; Pote, Ajinkya; Parbhane, Sudhir; Shinde, Aishwarya  
(74) Datta Meghe Institute of Medical Sciences(DU)

**Pandey, M. see Nayak, P.**  
(21) 2021104473

**Pandey, S. see Sahoo, N.G.**  
(21) 2021104582

**Pandey, J. see Sharma, A.**  
(21) 2021105076

(71) Pandit, K.; Prakash, K.E.; Dattana, V.; Jose, M.; Soans, S.V.; Sharma, P.; Pai, S.; Mungara, J.; Subramanian, M.; H A, D.; N, Y.; Deepajothi, S.; Azam, M.  
(11) AU-A-2021104722  
(21) 2021104722 (22) 29.07.2021  
(54) MACHINE LEARNING AND ARTIFICIAL INTELLIGENCE BASED INTELLIGENT BETTING SYSTEM FOR SPORTS PREDICTION  
(51) Int. Cl.  
**G07F 17/32** ( 2006.01 )  
(45) 14.04.2022  
(72) Pandit, Karuna; Prakash, K. E.; Dattana, Vishal; Jose, Manju; Soans, Sonia V.; Sharma, Priyanka; Pai, Shwetha; Mungara, Jitendranath; S., Muthukumar; H. A., Dinesha; N., Yashwanth; Deepajothi, S.; Azam, Mohammed  
(74) John Thomas

**Panse, V. see Rahate, G.**  
(21) 2021104279

**Parbhane, S. see Pande, V.**  
(21) 2021105078

**Pareek, P.K. see Bali, J.**  
(21) 2021103840

**Pasupuleti, V.R. see Tirumishi Jada, D.**  
(21) 2021104402

**Patel, J. see Jeet, R.**  
(21) 2021103996

**Patel, M. see Jeet, R.**  
(21) 2021103996

**PATEL, G.C.M. see BADASHAH, S.J.**  
(21) 2021103904

**Patil, P.G. see Bali, J.**  
(21) 2021103840

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(21) 2021103996

**Patro, R. see Jeet, R.**  
(21) 2021103996

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(21) 2021103996

**Patro, R. see R, S.**  
(21) 2021104321

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(21) 2021104321

(71) Patro, P.; Kumar, K.; Krishna, K.M.; Sri-  
lakshmi, V.; Rao, T.S.; Kalapala, S.;  
Kishore, R.H.; Swain, D.; Mishra, U.;  
Sama, H.R.

(11) AU-A-2021104757

(21) 2021104757 (22) 30.07.2021

(54) INTELLIGENT BREAST CANCER DE-  
TECTION SYSTEM BASED ON MA-  
CHINE LEARNING WITH EFFECTIVE  
FUZZY SEGMENTATION AND CLAS-  
SIFICATION METHOD

(51) Int. Cl.

**A61B 5/00** ( 2006.01 )

**A61B 5/024** ( 2006.01 )

(45) 14.04.2022

(72) Patro, Pramoda; Kumar, Krishna;  
Krishna, Kakulapati Murali; Srilakshmi,  
Vedantam; Rao, T. Srinivasa; Kalapala,  
Satishkumar; Kishore, R. Hari; Swain,  
Debabrata; Mishra, Umakanta; Sama,  
Hanumantha Rao

(74) John Thomas

**Pattanshetti, J. see Bali, J.**  
(21) 2021103840

**Pattnaik, P. see Swetapadma, A.**  
(21) 2021103639

(71) Pinnacle International Wholesalers Pty  
Ltd

(11) AU-A-2021100041

(21) 2021100041 (22) 09.03.2022

(54) A paper-based single use food grade  
container

(51) Int. Cl.

**B65D 3/28** ( 2006.01 )

**B65D 5/02** ( 2006.01 )

**B65D 5/14** ( 2006.01 )

**B65D 5/56** ( 2006.01 )

**B65D 21/02** ( 2006.01 )

**B65D 25/14** ( 2006.01 )

(45) 14.04.2022

(62) 2020101568

(72) Sofocleous, George

(74) Patentec Patent Attorneys

(71) Pinnacle International Wholesalers Pty  
Ltd

(11) AU-A-2021100042

(21) 2021100042 (22) 09.03.2022

(54) A paper-based single use food grade  
container

(51) Int. Cl.

**B65D 3/28** ( 2006.01 )

**B65D 5/02** ( 2006.01 )

**B65D 5/14** ( 2006.01 )

**B65D 5/56** ( 2006.01 )

**B65D 21/02** ( 2006.01 )

**B65D 25/14** ( 2006.01 )

(45) 14.04.2022

(62) 2020101568

(72) Sofocleous, George

(74) Patentec Patent Attorneys

**Ponkoodalingam, K. see Tirumishi Jada, D.**

(21) 2021104402

**Pote, A. see Pande, V.**

(21) 2021105078

**Pradhan, D.J. see Samanta, P.L.**

(21) 2021104442

**Prakash, K.E. see Pandit, K.**

(21) 2021104722

**Prasad Adhikary, P.S. see Samanta, P.L.**

(21) 2021104442

**PURNIMA, K. see BENDI, R.**

(21) 2021103940

**R, V.K. see BADASHAH, S.J.**

(21) 2021103904

**R, D. see R, S.**

(21) 2021104321

(71) R, S.; R, D.; Dhiman, G.; Telkar, B.;  
Shah, J.; Patro, R.; Patro, R.; L, C.;  
Dutta, P.; Kherwa, P.

(11) AU-A-2021104321

(21) 2021104321 (22) 20.07.2021

(54) AN IOT BASED MEDICAL CLOUD  
DATA CLASSIFICATION SYSTEM FOR  
SMART HEALTHCARE

(51) Int. Cl.

**G16H 10/60** ( 2018.01 )

**G06F 21/60** ( 2013.01 )

**G16Y 10/60** ( 2020.01 )

(45) 14.04.2022

(72) Dhiman, Gaurav; Telkar, Bhagirathi;  
Shah, Jagruti; Patro, Rashmi; Patro,  
Rojalini; L., Chandrashekhar; Dutta,

Prashant; Kherwa, Pooja; R., Shiva; R.,  
Dilip

(74) Gaurav Dhiman

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(21) 2021104546

(71) Raaza, A.; Vora, R.T.; Abu Qadah,  
O.M.; Manotajasvini, N.; Mani, A.M.;  
Salam, A.F.; Padhy, D.; Thomas, A.Z.;  
Ramaswamy, L.N.; Thentral, T.M.T.

(11) AU-A-2021103913

(21) 2021103913 (22) 07.07.2021

(54) An IoT controlled tilt indicating device

(51) Int. Cl.

**G05B 13/02** ( 2006.01 )

**G01S 19/42** ( 2010.01 )

**H04W 4/38** ( 2018.01 )

**G01C 9/00** ( 2006.01 )

**G01S 19/14** ( 2010.01 )

(45) 14.04.2022

(72) Raaza, Arun; Vora, Ridham Tapan;  
Abu Qadah, Omar Mohammad; Man-  
otajasvini, Naguboina; Mani, Akash  
Mark; Salam, Aadil Fatah; Padhy,  
Divyanka; Thomas, Aaron Zachari-  
ah; Ramaswamy, Laxmi Naarayanan;  
Thentral, T. M. Thamizh

(74) Arun Raaza

(71) Rahate, G.; Kaur, M.; Kanwate, A.;  
Panse, V.

(11) AU-A-2021104279

(21) 2021104279 (22) 18.07.2021

(54) A TRIVALENT TERBIUM ACTIVATED  
Sr<sub>2</sub>(BO<sub>3</sub>)Cl GREEN LIGHT EMITTING  
PHOSPHOR COMPOUND FOR SOL-  
ID STATE LIGHTING AND A METH-  
OD FOR SYNTHESIZING THE COM-  
POUND

(51) Int. Cl.

**C09K 11/77** ( 2006.01 )

**H01L 33/50** ( 2010.01 )

(45) 14.04.2022

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wate, A. D.; Panse, V. R.

(74) Gaurav Rahate

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(21) 2021103904

**Rajasekaran, R. see Masih, J.**

(21) 2021105033

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(21) 2021104586



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(21) 2021103991

(71) Rakesh, S.; Bharadhwaj, A.; Sreeharsha, E.

(11) AU-A-2021104482

(21) 2021104482 (22) 23.07.2021

(54) A SIGN LANGUAGE RECOGNITION METHOD USING CONVOLUTIONAL NEURAL NETWORK

(51) Int. Cl.

G06V 40/20 ( 2022.01 )

G06F 3/01 ( 2006.01 )

G06N 3/02 ( 2006.01 )

G09B 21/00 ( 2006.01 )

G06F 3/00 ( 2006.01 )

(45) 14.04.2022

(72) Rakesh, S.; Bharadhwaj, Avinassh; Sreeharsha, E.

(74) S. Rakesh

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(21) 2021104457

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(21) 2021103991

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(21) 2021103913

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(21) 2021104584

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(21) 2021104582

**RANABOTHU, G.R. see S, S.**  
(21) 2021104546

**Ranga, N. see Kumar, A.**  
(21) 2021103688

**Rani, P. see Tiwari, S.**  
(21) 2021104037

**Ranjan Jena, D.S. see Samanta, P.L.**  
(21) 2021104442

**Rao, T.S. see Patro, P.**  
(21) 2021104757

**RAO, Y.C. see RAO, G.J.**  
(21) 2021105184

(71) RAO, G.J.; RAO, Y.C.; MELINGI, S.B.; KUMARI, L.V.R.; REDDY, V.S.; BIKSHALU, K.; GUPTA, N.P.; MANTRAVADI, N.; SHARIEF, A.H.; BHAVANI, S.

(11) AU-A-2021105184

(21) 2021105184 (22) 09.08.2021

(54) IoT BASED SMART ELECTRICAL POWER PLUG

(51) Int. Cl.

H01R 29/00 ( 2006.01 )

G01R 21/06 ( 2006.01 )

H01R 13/66 ( 2006.01 )

H01R 13/70 ( 2006.01 )

H01R 24/78 ( 2011.01 )

H02H 9/02 ( 2006.01 )

G16Y 10/35 ( 2020.01 )

G16Y 20/30 ( 2020.01 )

H01R 105/00 ( 2006.01 )

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(74) Mr.TELLA ANIL RAJU

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(21) 2021104947

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(21) 2021103937

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(21) 2021104943

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**Rohita, Y. see Swathi, M.**  
(21) 2021104763

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(21) 2021104943

**S, J. see Shameer, P.M.**  
(21) 2021103853

**S, J. see L, J.**  
(21) 2021104033

**S, R. see N, S.**  
(21) 2021104269

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(21) 2021104546

**S, K. see S, S.**  
(21) 2021104546

**S, V.K. see S, S.**  
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(71) S, S.; S, S.; P, T.; R, R.P.; S, K.; D, T.P.; RANABOTHU, G.R.; S, V.K.

(11) AU-A-2021104546

(21) 2021104546 (22) 26.07.2021

(54) AN AUTOMATED SYSTEM AND METHOD FOR CONTROLLING TURN INDICATORS IN AUTOMOBILES

(51) Int. Cl.

B60Q 1/34 ( 2006.01 )

G01C 21/34 ( 2006.01 )

G06N 3/02 ( 2006.01 )

G06N 7/02 ( 2006.01 )

G06N 20/00 ( 2019.01 )

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(74) PREM CHARLES IMMANUEL

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(21) 2021104943

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(21) 2021104037

(71) Sahoo, D.S.

(11) AU-A-2021104490

(21) 2021104490 (22) 23.07.2021

(54) A METHOD FOR DEVELOPING CORN HUSK-BASED MICROWAVE ABSORBER

(51) Int. Cl.

C08K 11/00 ( 2006.01 )

G01N 1/28 ( 2006.01 )

G01N 1/38 ( 2006.01 )

H01Q 17/00 ( 2006.01 )

H05K 9/00 ( 2006.01 )

G01N 27/22 ( 2006.01 )

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(74) Dr. Swagatadeb Sahoo

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 (21) 2021104582 (22) 26.07.2021  
 (54) Graphene based nanomaterials derived from Drepanostachyum falcatum for water purification  
 (51) Int. Cl.  
**C01B 32/184** ( 2017.01 )  
**B82Y 40/00** ( 2011.01 )  
 (31) 202111031289 (32) 12.07.21 (33) IN  
 (45) 14.04.2022  
 (72) Sahoo, Nanda Gopal; Tewari, Chetna; Pandey, Sandeep; Tatrari, Gaurav; Rana, Anita; Tiwari, Himani; Dandapat, Anirban  
 (74) Nanda Gopal Sahoo

**SAHOO, S.R. see GUPTA, B.B.**

(21) 2021103136

**Sahu, D. see Mantry, S.**

(21) 2021104457

**Sahu, R.K. see Nayak, P.**

(21) 2021104473

**Salam, A.F. see Raaza, A.**

(21) 2021103913

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(21) 2021104757

(71) Samanta, P.L.; Ranjan Jena, D.S.; Pradhan, D.J.; Prasad Adhikary, P.S.

(11) AU-A-2021104442

(21) 2021104442 (22) 22.07.2021

(54) PROCESS FOR DEVELOPING SEA-WEED EXTRACT AND COMPOSITION USEFUL AGAINST UV-RADIATION, OXIDATIVE DAMAGE AND SKIN CANCER

(51) Int. Cl.

**A61K 36/04** ( 2006.01 )  
**A61K 8/9717** ( 2017.01 )  
**A61P 35/00** ( 2006.01 )  
**A61P 39/06** ( 2006.01 )  
**A61Q 17/04** ( 2006.01 )  
**G01N 21/33** ( 2006.01 )  
**G01N 21/35** ( 2014.01 )  
**G01N 21/65** ( 2006.01 )  
**G01N 24/08** ( 2006.01 )  
**G01N 27/626** ( 2021.01 )  
**G01N 30/02** ( 2006.01 )  
**G01N 33/50** ( 2006.01 )  
**G01N 33/68** ( 2006.01 )

(45) 14.04.2022

(72) Samanta, Prof. Luna; Ranjan Jena, Dr. Soumya; Pradhan, Dr. Jyotsnarani; Prasad Adhikary, Prof Siba

(74) Prof. Luna Samanta

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(21) 2021105076

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(21) 2021105076

(71) Saurabh, S.; Wal, P.; Pal, R.S.; Gupta, R.; Saxena, B.; Sharma, K.S.

(11) AU-A-2021103739

(21) 2021103739 (22) 30.06.2021

(54) A HERBAL MOSQUITO REPELLENT DIFFUSING COMPOSITION

(51) Int. Cl.

**A01N 65/00** ( 2009.01 )

**A01P 17/00** ( 2006.01 )

**A01N 25/02** ( 2006.01 )

**A01N 65/22** ( 2009.01 )

**A01N 65/26** ( 2009.01 )

**A01N 65/44** ( 2009.01 )

(45) 14.04.2022

(72) Saurabh, Sumit; Wal, Pranay; Pal, Rashmi Saxena; Gupta, Rishikesh; Saxena, Bhagawati; Sharma, Kiran Singh

(74) Pranay Wal

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(21) 2021103739

(71) Seed Terminator Holdings Pty Ltd

(11) AU-A-2022100047

(21) 2022100047 (22) 18.03.2022

(54) A CHAFF FEED STREAM CONDITIONING SYSTEM

(51) Int. Cl.

**A01F 12/30** ( 2006.01 )

**A01D 41/12** ( 2006.01 )

**A01F 12/44** ( 2006.01 )

(45) 14.04.2022

(62) 2020232982

(72) Berry, Nicolas Kane

(74) Integrated IP

**Sen, P. see Chanda, K.**

(21) 2021103084

**Shabaz, M. see TAHASIN, Z.**

(21) 2021104539

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(21) 2021104321

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(11) AU-A-2021103991

(21) 2021103991 (22) 09.07.2021

(54) A HYBRID SYSTEM AND METHOD FOR RETINAL BLOOD VESSEL EXTRACTION USING WEIGHTED CONTRAST IMAGES

(51) Int. Cl.

**G06T 7/11** ( 2017.01 )

**A61B 3/00** ( 2006.01 )

**A61B 3/12** ( 2006.01 )

**G06N 3/02** ( 2006.01 )

**G06N 3/08** ( 2006.01 )

(45) 14.04.2022

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(74) Dr. Shafiulla Basha Shaik

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(11) AU-A-2021103853

(21) 2021103853 (22) 03.07.2021

(54) AN IOT BASED SYSTEM FOR MONITORING VOLUME OF FUEL PUMPED INTO AN AUTOMOBILE

(51) Int. Cl.

**G01F 1/05** ( 2006.01 )

**B60K 15/03** ( 2006.01 )

**B67D 7/22** ( 2010.01 )

**G16Y 40/10** ( 2020.01 )

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(74) Mukesh Soni

**SHARIEF, A.H. see RAO, G.J.**

(21) 2021105184

**Sharma, M. see Tiwari, R.**

(21) 2021101568

**Sharma, B. see Kumar, A.**

(21) 2021103688

**Sharma, K.S. see Saurabh, S.**

(21) 2021103739

**Sharma, V. see Shashvat, K.**

(21) 2021104283

**Sharma, R. see Mantry, S.**

(21) 2021104457

**Sharma, U. see Nayak, P.**

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(21) 2021104539

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(21) 2021104722

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 (54) IASS- IOT BASED ATM SECURITY SYSTEM AND A METHOD THEREOF  
 (51) Int. Cl.  
 G08B 21/02 ( 2006.01 )  
 G07F 19/00 ( 2006.01 )  
 G08B 25/00 ( 2006.01 )  
 (45) 14.04.2022  
 (72) Sharma, Madhu; Rathore, Vijay Singh; Kumar Sharma, Manoj  
 (74) Dr. Madhu Sharma

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 (21) 2021105076

(71) Sharma, A.; Sarkar, A.; Pandey, J.; Saroliya, A.; Sharma, P.; Neeru; GEMAN, O.; Bhatt, M.; Gowdham Kumar, S.  
 (11) AU-A-2021105076  
 (21) 2021105076 (22) 06.08.2021  
 (54) Machine learning based Digital Twin Architecture Model and Communication Interfaces for Cloud based Cyber Physical Systems for Industry 4.0  
 (51) Int. Cl.  
 H04L 67/12 ( 2022.01 )  
 G05B 13/04 ( 2006.01 )  
 G05B 19/418 ( 2006.01 )  
 G06N 5/00 ( 2006.01 )  
 G06N 20/00 ( 2019.01 )  
 H04W 4/38 ( 2018.01 )  
 (45) 14.04.2022  
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 (74) Kevin raj

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 (11) AU-A-2021104283  
 (21) 2021104283 (22) 18.07.2021  
 (54) INTERNET OF THINGS ENABLED SMART SHOES  
 (51) Int. Cl.  
 A61B 5/11 ( 2006.01 )  
 A43B 3/34 ( 2022.01 )  
 A61B 5/00 ( 2006.01 )  
 A61B 5/103 ( 2006.01 )  
 A63B 23/04 ( 2006.01 )  
 A63B 24/00 ( 2006.01 )  
 G06F 3/01 ( 2006.01 )  
 A43B 17/00 ( 2006.01 )  
 G06F 3/06 ( 2006.01 )  
 (45) 14.04.2022  
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 (21) 2021103946

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 (21) 2021104511

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 (21) 2021101568

Singh, A. see Yadav, E.  
 (21) 2021103946

(71) Singh, P.  
 (11) AU-A-2021104039  
 (21) 2021104039 (22) 10.07.2021  
 (54) A DEVICE ALGFLOW TO REDUCE CARBON DIOXIDE LEVELS IN THE ATMOSPHERE  
 (51) Int. Cl.  
 A01G 33/00 ( 2006.01 )  
 C02F 3/34 ( 2006.01 )  
 (45) 14.04.2022  
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 (74) Preeti Singh

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 (21) 2021105033

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 (21) 2021104402

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 (21) 2021104896

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 (21) 2021104763

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 (21) 2021104482

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(71) SRIRAM, P.; MANIKANDAN, E.; ASHOK, K.; RAVIMANICKAM, T.  
 (11) AU-A-2021103937  
 (21) 2021103937 (22) 07.07.2021  
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 (51) Int. Cl.  
 C07D 213/74 ( 2006.01 )  
 A61P 35/00 ( 2006.01 )  
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 (74) DR. P. SRIRAM

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 (51) Int. Cl.  
 G06F 16/957 ( 2019.01 )  
 H04L 67/02 ( 2022.01 )

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(51) Int. Cl.  
**A61B 5/00** ( 2006.01 )  
**A61B 5/291** ( 2021.01 )  
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**G16H 50/20** ( 2018.01 )  
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(11) AU-A-2021104539  
(21) 2021104539 (22) 25.07.2021  
(54) A patient monitoring system based on block chain  
(51) Int. Cl.  
**G16H 10/60** ( 2018.01 )  
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(21) 2021104582
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(21) 2021103913
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(11) AU-A-2021104402  
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(51) Int. Cl.  
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**A01G 25/16** ( 2006.01 )  
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(51) Int. Cl.  
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(51) Int. Cl.  
**B60W 40/08** ( 2012.01 )
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- A61B 5/00** ( 2006.01 )  
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**A61B 5/02** ( 2006.01 )  
**A61B 5/318** ( 2021.01 )  
**B60K 28/06** ( 2006.01 )  
**G06N 20/00** ( 2019.01 )  
**G06V 20/59** ( 2022.01 )  
**G08B 1/08** ( 2006.01 )  
**G08B 21/02** ( 2006.01 )  
(45) 14.04.2022  
(72) Tiwari, Shivam; Bhardwaj, Barkha; Grover, Nitin; Chowdhary, Mohit; Azad, Chandrashekhar; Rani, Priyanka; Kalyal, Poonam; Batra, Neha; Sagar, Pinki; Kathuria, Madhumita; Gandhi, Parul; Kumar, Sarvesh; Jamal, Khalid  
(74) John Thomas
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- (71) Vishwanath Karad MIT World Peace University  
(11) AU-A-2021104417  
(21) 2021104417 (22) 22.07.2021  
(54) MECHANICALLY OPERATED BLOOD COLLECTION MONITORING DEVICE  
(51) Int. Cl.  
**A61B 5/15** ( 2006.01 )  
**A61M 1/00** ( 2006.01 )  
(31) 202121017030 (32) 12.04.21 (33) IN  
(45) 14.04.2022  
(72) Sonawwanay, Puskaraj; Nemade, Amit; Kulkarni, Soham; Kulkarni, Rohit; Patil, Nirbhay  
(74) Saad Shaikh

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**(21)** 2021103946 **(22)** 07.07.2021

**(54)** A POLYHERBAL FORMULATION FOR  
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**(51)** Int. Cl.

**A61K 36/11** ( 2006.01 )

**A61K 9/00** ( 2006.01 )

**A61K 9/06** ( 2006.01 )

**A61K 47/06** ( 2006.01 )

**A61K 47/10** ( 2017.01 )

**A61K 47/14** ( 2017.01 )

**A61K 47/20** ( 2006.01 )

**A61P 17/02** ( 2006.01 )

**(45)** 14.04.2022

**(72)** Yadav, Esha; Mishra, Neeraj; Kumar,  
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**(74)** viji arun

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**(71)** Zerdani, S.

**(11)** AU-A-2021104319

**(21)** 2021104319 **(22)** 20.07.2021

**(54)** A SYSTEM FOR TRACTION INVERT-  
 ER FAULT DETECTION AND A METH-  
 OD THEREOF

**(51)** Int. Cl.

**G05B 23/02** ( 2006.01 )

**G01R 31/00** ( 2006.01 )

**G06K 9/00** ( 2006.01 )

**G06K 9/62** ( 2006.01 )

**G06N 20/00** ( 2019.01 )

**(45)** 14.04.2022

**(72)** Zerdani, Sara

**(74)** Sara Zerdani

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<b>2021103639</b>	Swetapadma, A.; Chakrabarti, S.; Pattnaik, P.	<b>2021104546</b>	S, S.; S, S.; P, T.; R, R.P.; S, K.; D, T.P.; RANABOTHU, G.R.; S, V.K.
<b>2021103687</b>	Biswas, J.; Swain, B.P.; Rai, S.; Bhujel, R.; Rai, A.; Kumar, D.	<b>2021104582</b>	Sahoo, N.G.; Tewari, C.; Pandey, S.; Tatrari, G.; Rana, A.; Tiwari, H.; Dandapat, A.
<b>2021103688</b>	Kumar, A.; Duhan, S.; Sharma, B.; Ranga, N.; Dhayal, S.S.; Kumar, M.; Manju, ...; Thakur, R.	<b>2021104584</b>	Hindustan Institute of Technology and Science; Ramesh, R.K.; Sreeja, P.
<b>2021103739</b>	Saurabh, S.; Wal, P.; Pal, R.S.; Gupta, R.; Saxena, B.; Sharma, K.S.	<b>2021104586</b>	and Science, H.I.T.; Rajeswar, S.; Ramalingam, D.P.; SudalaiMuthu, D.T.
<b>2021103840</b>	Bali, J.; Nandi, A.V.; Patil, P.G.; Nirmala, S.R.; Nis-simagoudar, P.C.; Kanakaraddi, S.G.; Gull, K.C.; Pat-tanshetti, J.; Itkarkar, R.R.; H M, G.; Chikaraddi, A.K.; Pareek, P.K.	<b>2021104673</b>	K C, B.R.; Tiwari, A.K.; Yadav, P.K.; K S, R.; Nayak, A.K.; Singh, D.
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<b>2021103904</b>	BADASHAH, S.J.; MISHRA, G.P.; KOMMA, V.N.; BASHA, A.M.M.; RAJIAH, M.; MEENA, I.; B, N.; MANIKANDAN, J.; R, V.K.; KUMAR, S.V.; PATEL, G.C.M.; LAKSHMIKANTHAN, A.	<b>2021104757</b>	Patro, P.; Kumar, K.; Krishna, K.M.; Srilakshmi, V.; Rao, T.S.; Kalapala, S.; Kishore, R.H.; Swain, D.; Mishra, U.; Sama, H.R.
<b>2021103913</b>	Raaza, A.; Vora, R.T.; Abu Qadah, O.M.; Manotajasvini, N.; Mani, A.M.; Salam, A.F.; Padhy, D.; Thomas, A.Z.; Ramaswamy, L.N.; Thentral, T.M.T.	<b>2021104763</b>	Swathi, M.; Sreedhar, K.; Rohita, Y.; Bhukya, S.; Kumar, N.
<b>2021103937</b>	SRIRAM, P.; MANIKANDAN, E.; ASHOK, K.; RAVI-MANICKAM, T.	<b>2021104894</b>	Gupta, A.K.; Singh, A.; Singh, G.; Tiwari, G.; A, R.; Tiwari, R.
<b>2021103940</b>	BENDI, R.; MALLA, R.; DANABALA, N.D.; BHAGAVATULA, U.R.; PURNIMA, K.; DOGGA, A.D.; DURGESWARI, L.; VOONNA, T.R.; BHARGAVI, K.; GOUTHAMSRI, S.	<b>2021104896</b>	Hindustan Institute of Technology and Science; SINHA, A.; SREEJA, P.S.
<b>2021103946</b>	Yadav, E.; Mishra, N.; Kumar, P.B.; Singh, A.; Garg, A.; Shukla, A.	<b>2021104915</b>	K, H.J.; Yadav, A.; Das, S.; Uddin, A.B.M.H.; Verma, P.; Chaubey, M.
<b>2021103991</b>	Shaik, S.B.; Badashah, S.J.; Kumar, B.P.S.; Ramanai-ah, K.V.; Raju, M.J.; G Kudamble, B.; Faruq, S.U.; Hus-sain, Z.; Aejaz Aslam, H.	<b>2021104943</b>	Dash, S.; Mohanty, D.; Mohanty, P.; Sabata, S.; Reddy, M.S.R.; Mohanty, P.; Sabat, S.; Bindhani, B.R.; Roy, S.S.; Acharya, B.; Guru, R.; Rout, B.; Shrivastava, S. Sharma, M.; Rathore, V.S.; Kumar Sharma, M.
<b>2021103996</b>	Jeet, R.; Patil, S.; Patro, R.; Kumar, P.; Patel, J.; Patel, M.; Ganapathy, A.; Doewes, R.; Azad, C.	<b>2021104976</b>	Gupta, T.K.; Chaurasia, V.; Shrivastava, Y.
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<b>2021104037</b>	Tiwari, S.; Bhardwaj, B.; Grover, N.; Chowdhary, M.; Azad, C.; Rani, P.; Katyal, P.; Batra, N.; Sagar, P.; Ka-thuria, M.; Gandhi, P.; Kumar, S.; Jamal, K.	<b>2021105033</b>	Masih, J.; Deshpande, M.; Singh, H.; Malik, B.; Ma-lik, N.; Dubinsky, Z.; Bannor, R.K.; Maludin, S.; Ra-jasekaran, R.; Neema, R.; Lodhi, A.S.
<b>2021104039</b>	Singh, P.	<b>2021105071</b>	Lovely Professional University
<b>2021104262</b>	Menon, S.	<b>2021105076</b>	Sharma, A.; Sarkar, A.; Pandey, J.; Saroliya, A.; Sharma, P.; Neeru; GEMAN, O.; Bhatt, M.; Gowdham Kumar, S.
<b>2021104269</b>	N, S.; S, R.; Mokashi, B.	<b>2021105078</b>	Pande, V.; Giri, M.; Bhalke, R.; Wagh, V.; Kuskar, S.; Chede, P.; Ahirrao, V.; Pote, A.; Parbhane, S.; Shinde, A.
<b>2021104279</b>	Rahate, G.; Kaur, M.; Kanwate, A.; Panse, V.	<b>2021105184</b>	RAO, G.J.; RAO, Y.C.; MELINGI, S.B.; KUMARI, L.V.R.; REDDY, V.S.; BIKSHALU, K.; GUPTA, N.P.; MAN-TRAVADI, N.; SHARIEF, A.H.; BHAVANI, S.
<b>2021104283</b>	Shashvat, K.; Goyal, N.; Guleria, K.; Kumar, S.; Sharma, V.; Angurala, M.; Aggarwal, M.; Chaudhary, M.; Nain, M.	<b>2021107588</b>	Ningbo Casualway Leisure Products Co., Ltd.
<b>2021104319</b>	Zerdani, S.	<b>2022100041</b>	Pinnacle International Wholesalers Pty Ltd
<b>2021104321</b>	R, S.; R, D.; Dhiman, G.; Telkar, B.; Shah, J.; Patro, R.; Patro, R.; L, C.; Dutta, P.; Kherwa, P.	<b>2022100042</b>	Pinnacle International Wholesalers Pty Ltd
<b>2021104402</b>	Tirumishi Jada, D.; Pasupuleti, V.R.; Goyal, S.B.; Thim-maiah, S.; Balakrishnan, I.T.; Ponkoodalingam, K.; Durairaj, U.; Kamal, M.R.; Mohd Soom, M.A.; Singhal, N.	<b>2022100046</b>	BVN Architecture Pty Ltd
<b>2021104417</b>	Vishwanath Karad MIT World Peace University	<b>2022100047</b>	Seed Terminator Holdings Pty Ltd
<b>2021104442</b>	Samanta, P.L.; Ranjan Jena, D.S.; Pradhan, D.J.; Prasad Adhikary, P.S.		
<b>2021104451</b>	Malviya, R.; kumar, G.		
<b>2021104457</b>	Mantry, S.; Raman, R.; Sahu, D.; KC, B.R.; Sharma, R.; K S, R.		

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PCT applications which have entered the National Phase

Name Index

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

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(71) 10X Genomics, Inc.  
 (11) AU-A-2020357847  
 (21) 2020357847 (22) 30.09.2020  
 (54) Systems and methods for identifying morphological patterns in tissue samples  
 (51) Int. Cl.  
     **G06K 9/62** ( 2006.01 )  
     **C12Q 1/68** ( 2018.01 )  
     **G06T 7/00** ( 2017.01 )  
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(71) 3M Innovative Properties Company  
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 (54) Plastic alloy earplug core  
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 (72) ELY, Jacob H.; COFFIN, Robert C.  
 (74) FPA Patent Attorneys Pty Ltd

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 (54) Device for distributing mineralized water and associated method  
 (51) Int. Cl.  
     **C02F 9/00** ( 2006.01 )  
     **B01D 1/00** ( 2006.01 )  
     **B01D 3/10** ( 2006.01 )  
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     **B01D 3/20** ( 2006.01 )  
     **B01D 3/32** ( 2006.01 )  
     **B01D 3/42** ( 2006.01 )  
     **B01D 5/00** ( 2006.01 )  
     **C02F 1/04** ( 2006.01 )  
     **C02F 1/18** ( 2006.01 )  
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 (54) Oral pharmaceutical immediate release composition and method of treatment for weight loss  
 (51) Int. Cl.  
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 (72) ZHENG, Zhenhuan; LEE, Tien-Li  
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 (54) Antibodies directed against tenofovir and derivatives thereof  
 (51) Int. Cl.  
     **A61K 31/52** ( 2006.01 )  
     **A61K 31/675** ( 2006.01 )  
     **A61P 31/12** ( 2006.01 )  
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 (72) VINCENT, Michael; RODRIGUES, Warren; GANDHI, Monica; WANG, Guohong  
 (74) FPA Patent Attorneys Pty Ltd

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 (54) Pharmaceutical composition comprising selezipag  
 (51) Int. Cl.  
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     **A61K 31/4965** ( 2006.01 )  
     **A61P 1/04** ( 2006.01 )  
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     **A61K 47/68** ( 2017.01 )  
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     **A61M 5/14** ( 2006.01 )  
     **A61P 35/02** ( 2006.01 )  
     **C07K 16/28** ( 2006.01 )  
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 (51) Int. Cl.  
     **A01N 25/04** ( 2006.01 )  
     **A01N 43/56** ( 2006.01 )  
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     **A01N 47/14** ( 2006.01 )  
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 (72) MACHADO, Silvio Luiz; COLLA, Luiz Fernando  
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 (51) Int. Cl.  
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 (51) Int. Cl.  
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 (21) 2020335801 (22) 26.08.2020  
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**G01N 23/20** ( 2018.01 )  
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 (72) ZHENG, Jianqiang  
 (74) Michael Buck IP
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 (21) 2020336320 (22) 25.08.2020  
 (54) Multi-directional load isolating mechanical fuse  
 (51) Int. Cl.  
**B66C 15/00** ( 2006.01 )  
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 (72) TABOR, Mathew  
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 (54) Long-acting injectable formulations of ketamine pamoate salts  
 (51) Int. Cl.  
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 (51) Int. Cl.  
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 (74) Phillips Ormonde Fitzpatrick
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 (51) Int. Cl.  
**H02J 7/00** ( 2006.01 )  
**G05G 1/30** ( 2008.04 )  
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 (54) Centrifugal separator and a method to control of the same  
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**B04B 11/02** ( 2006.01 )  
**B04B 13/00** ( 2006.01 )  
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 (51) Int. Cl.  
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**A61P 35/00** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )  
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 (54) Method for production of sterile flowering biomass in temporary immersion bioreactors  
 (51) Int. Cl.  
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**A01H 6/28** ( 2018.01 )  
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 (54) Modified oligonucleotides  
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**C12N 15/113** ( 2010.01 )

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- (71) Alparis, S.A. de C.V.  
 (11) AU-A-2020341121  
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 (54) Compounds comprising curcumin and basic amino acids  
 (51) Int. Cl.  
 A61K 36/9066 ( 2006.01 )  
 A61P 29/00 ( 2006.01 )
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 (54) Articulation device for an articulated vehicle, corresponding vehicle and adjustment method  
 (51) Int. Cl.  
 B61D 3/10 ( 2006.01 )  
 B61G 5/02 ( 2006.01 )
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 (72) HOYON, Christophe  
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 (51) Int. Cl.  
 A23L 33/105 ( 2016.01 )  
 A61K 31/05 ( 2006.01 )  
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 (54) Nutritional supplements and methods of nutritional supplementation affecting microbiome metabolism  
 (51) Int. Cl.  
 G01N 27/12 ( 2006.01 )  
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 (54) Systems and approaches for drug delivery device reconstitution  
 (51) Int. Cl.  
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 A61J 3/00 ( 2006.01 )
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 (51) Int. Cl.  
 C07D 471/04 ( 2006.01 )  
 A61K 31/519 ( 2006.01 )  
 A61P 35/00 ( 2006.01 )  
 C07D 519/00 ( 2006.01 )
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 (21) 2020350767 (22) 18.09.2020  
 (54) Compositions and methods for microbiome modulation  
 (51) Int. Cl.  
 A61K 35/744 ( 2015.01 )  
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 (51) Int. Cl.  
 A61F 2/00 ( 2006.01 )  
 A61F 2/28 ( 2006.01 )  
 A61F 2/44 ( 2006.01 )  
 A61L 27/00 ( 2006.01 )  
 A61L 27/22 ( 2006.01 )  
 A61L 27/38 ( 2006.01 )  
 A61L 27/54 ( 2006.01 )
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 (54) Pediatric trazodone compositions and method of treatment thereof  
 (51) Int. Cl.  
 A61K 31/497 ( 2006.01 )  
 A61P 25/20 ( 2006.01 )
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 (21) 2020349081 (22) 18.09.2020  
 (54) A wing mounting  
 (51) Int. Cl.  
 B64C 39/02 ( 2006.01 )  
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 (74) AJ PARK
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 (51) Int. Cl.  
 A21B 3/04 ( 2006.01 )  
 F24C 7/08 ( 2006.01 )
- (87) WO2021/061766  
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 (43) 01.04.2021  
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 (51) Int. Cl.  
**B29C 64/153** ( 2017.01 )  
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**B29C 64/165** ( 2017.01 )  
**B29C 64/307** ( 2017.01 )  
**B33Y 10/00** ( 2015.01 )  
**B33Y 30/00** ( 2015.01 )  
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 (54) Vascular and aortic grafts and deployment tools  
 (51) Int. Cl.  
**A61F 2/07** ( 2013.01 )  
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 (72) PALERMO, Thomas J.; LEE, Pin-Hsuan; JEN, Jimmy  
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 (54) Methods and apparatus for assessing candidates for visual roles  
 (51) Int. Cl.  
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C05C 1/00 ( 2006.01 )  
C05C 3/00 ( 2006.01 )  
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C02F 1/72 ( 2006.01 )  
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|   |                        |                | <b>(74)</b> FB Rice Pty Ltd   |                            |                        | <b>A47G 19/22</b> ( 2006.01 ) |  |
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| <b>(54)</b> Anti-rotation catheter devices and systems  |                        |                | <b>(54)</b> Structures and methods for removal of frames from beehives and a bee-gate |                            |                        |                               |  |
| <b>(51)</b> Int. Cl.  |                        |                | <b>(51)</b> Int. Cl.  |                            |                        |                               |  |
| <b>A61M 25/00</b> ( 2006.01 )   |                        |                | <b>A01K 47/02</b> ( 2006.01 )   |                            |                        |                               |  |
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| <b>(72)</b> STOUT, Marty; NATESAN, Mohankumar   |                        |                | <b>B05B 1/24</b> ( 2006.01 )  |                            |                        |                               |  |
| <b>(74)</b> FB Rice Pty Ltd   |                        |                | <b>B05B 7/08</b> ( 2006.01 )  |                            |                        |                               |  |
|   |                        |                | <b>B05B 7/16</b> ( 2006.01 )  |                            |                        |                               |  |
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| <b>(71)</b> Becton, Dickinson and Company   |                        |                | <b>(31)</b> 62/904,695  | <b>(32)</b> 24.09.19       | <b>(33)</b> US         |                               |  |
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| <b>(54)</b> Microfluidic cartridges for enhanced amplification of polynucleotide-containing samples                           |                        |                | 62/904,703  | 24.09.19                   | US                     |                               |  |
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| <b>(72)</b> RAO, Rohini; KELLER, Joshua; CHONG, Song; DAWIDCZYK, Thomas; LENZ, Karen L.; KRAYER, Joel Daniel; CARRESE, Edward |                        |                | <b>(21)</b> 2020352333  | <b>(22)</b> 25.09.2020     |                        |                               |  |
| <b>(74)</b> FB Rice Pty Ltd   |                        |                | <b>(54)</b> Pulp molded folding spoon   |                            |                        |                               |  |
|   |                        |                | <b>(51)</b> Int. Cl.  |                            |                        |                               |  |
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|   |                        |                | <b>(72)</b> LI, Jinmeng; LIU, Zhijia; TONG, Ji  |                            |                        |                               |  |
|   |                        |                | <b>(74)</b> Phillips Ormonde Fitzpatrick  |                            |                        |                               |  |
|   |                        |                |   |                            |                        |                               |  |
| <b>(71)</b> Becton, Dickinson and Company   |                        |                | <b>(71)</b> Be Green Packaging Co., Ltd.  |                            |                        |                               |  |
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| <b>(54)</b> Sensor for detecting tissue infiltration  |                        |                | <b>(54)</b> Cover and manufacturing method therefor                                   |                            |                        |                               |  |
| <b>(51)</b> Int. Cl.  |                        |                | <b>(51)</b> Int. Cl.  |                            |                        |                               |  |
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| <b>(74)</b> FB Rice Pty Ltd   |                        |                | <b>(72)</b> TONG, Ji; LI, Jinmeng; LIU, Zhijia  |                            |                        |                               |  |
|   |                        |                | <b>(74)</b> Phillips Ormonde Fitzpatrick  |                            |                        |                               |  |
|   |                        |                |   |                            |                        |                               |  |
| <b>(71)</b> Becton, Dickinson and Company   |                        |                | <b>(71)</b> Beijing Starmab Biomed Technology Ltd; Liang, Y.                          |                            |                        |                               |  |
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A47J 31/44 (2006.01)
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- (74) Patent Attorney Services
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C07D 498/04 (2006.01)  
A61K 31/553 (2006.01)  
A61P 35/00 (2006.01)
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*H04L 65/60* ( 2022.01 )  
*H04L 9/40* ( 2022.01 )  
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 (51) Int. Cl.  
*F02B 63/04* ( 2006.01 )  
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*H05K 5/06* ( 2006.01 )  
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 (74) FPA Patent Attorneys Pty Ltd
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 (72) SUBRAMANIAN, Gautham  
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 (54) A mesenchymal stem cell storing or transport formulation and methods of making and using the same  
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*A01N 1/02* ( 2006.01 )  
*A61K 35/28* ( 2015.01 )  
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*A61P 17/02* ( 2006.01 )  
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 (74) Houlihan<sup>2</sup> Pty Ltd
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- (71) Centre National de la Recherche Scientifique; Universite de Montpellier; Ecole Nationale Supérieure de Chimie de Montpellier; Politecnico di Torino  
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 (54) Composite biomimetic membranes with artificial water channels  
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 (51) Int. Cl.  
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*A61K 9/08* ( 2006.01 )  
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- (71) Chairman, Defence Research & Development Organisation (DRDO)  
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*B63H 1/14* ( 2006.01 )  
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- (71) Charles, R.  
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 (51) Int. Cl.  
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 (51) Int. Cl.  
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*C07K 16/08* ( 2006.01 )  
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 (51) Int. Cl.  
*A61P 35/00* ( 2006.01 )

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**A61K 47/10** ( 2017.01 )  
**A61P 37/04** ( 2006.01 )  
**C07K 14/00** ( 2006.01 )  
**C12N 9/00** ( 2006.01 )  
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**(72)** CHIARLE, Roberto; BLASCO-PATINO, Rafael  
**(74)** Southern Cross Intellectual Property
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- (71)** China Petroleum & Chemical Corporation; Shanghai Research Institute of Petrochemical Technology, SINOPEC  
**(11)** AU-A-2020363051  
**(21)** 2020363051 **(22)** 29.09.2020  
**(54)** Negative electrode material, preparation method therefor, and application thereof, and lithium ion battery comprising same  
**(51)** Int. Cl.  
**H01M 4/1395** ( 2010.01 )  
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**(74)** Churchill Attorneys
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**(54)** Negative electrode material, preparation method therefor and application thereof, and lithium-ion battery  
**(51)** Int. Cl.  
**H01M 4/38** ( 2006.01 )  
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**(72)** SUN, Sai; ZHANG, Siyu; GAO, Huanxin  
**(74)** Churchill Attorneys
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**(51)** Int. Cl.  
**A62D 1/00** ( 2006.01 )  
**A62C 99/00** ( 2010.01 )  
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**(21)** 2020374405 **(22)** 27.10.2020  
**(54)** Polyamine analog producing yeasts  
**(51)** Int. Cl.  
**C12N 15/63** ( 2006.01 )  
**(87)** WO2021/083869  
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**(43)** 06.05.2021  
**(72)** QIN, Jiufu; NIELSEN, Jens  
**(74)** AJ PARK
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- (71)** Chrysea Limited  
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**(54)** Polyamine conjugate producing yeasts  
**(51)** Int. Cl.  
**C12N 15/63** ( 2006.01 )  
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**(31)** 1951232-6 **(32)** 28.10.19 **(33)** SE  
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**(72)** QIN, Jiufu; NIELSEN, Jens  
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- (71)** Chugai Seiyaku Kabushiki Kaisha  
**(11)** AU-A-2020340176  
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**(54)** Cross-species anti-latent TGF-beta 1 antibodies and methods of use  
**(51)** Int. Cl.  
**A61K 39/395** ( 2006.01 )  
**C07K 16/30** ( 2006.01 )  
**C12N 1/15** ( 2006.01 )  
**C12N 1/19** ( 2006.01 )  
**C12N 1/21** ( 2006.01 )  
**C12N 5/10** ( 2006.01 )  
**C12N 15/13** ( 2006.01 )  
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**(43)** 04.03.2021  
**(72)** SHIMADA, Hideaki; KANAMORI, Masakazu; KOO, Xing'er Christine  
**(74)** Spruson & Ferguson
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- (71)** Ciechulski, A.  
**(11)** AU-A-2020337115  
**(21)** 2020337115 **(22)** 17.08.2020  
**(54)** Method of separating grains of valuable minerals, precious metals, rare-earth metals, precious and semi-precious stones from natural ores in the aquatic environment by means of the phenomenon of adhesion  
**(51)** Int. Cl.  
**C22B 3/16** ( 2006.01 )  
**B01J 20/22** ( 2006.01 )  
**C22B 11/00** ( 2006.01 )  
**(87)** WO2021/040546  
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**(43)** 04.03.2021  
**(72)** CIECHULSKI, Andrzej  
**(74)** Phillips Ormonde Fitzpatrick
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- (71)** CoLabs Medical, Inc.  
**(11)** AU-A-2020341845  
**(21)** 2020341845 **(22)** 08.09.2020  
**(54)** Apparatus and method for improved assisted ventilation  
**(51)** Int. Cl.  
**A61M 16/00** ( 2006.01 )  
**(87)** WO2021/046537  
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**(72)** NOLAN, Clay  
**(74)** Griffith Hack
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- (71)** Colgate-Palmolive Company  
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**(21)** 2020371533 **(22)** 13.10.2020  
**(54)** Film compositions  
**(51)** Int. Cl.  
**A61K 8/41** ( 2006.01 )  
**A61K 8/02** ( 2006.01 )  
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**A61Q 5/12** ( 2006.01 )  
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**(72)** JHA, Brajesh; AGBLEY, Esinam Kuma; ZUNIGA, Arturo  
**(74)** Spruson & Ferguson
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**(54)** Improvements in direct semiconductor solar devices  
**(51)** Int. Cl.  
**H01L 31/07** ( 2012.01 )  
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**(43)** 08.04.2021  
**(72)** FERGUSON, Ian; LERNER, Corey E.; ZHOU, Chuanle  
**(74)** Phillips Ormonde Fitzpatrick
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**(21)** 2020339849 **(22)** 31.08.2020  
**(54)** Fluid testing system and apparatus  
**(51)** Int. Cl.  
**G01N 21/78** ( 2006.01 )  
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**G06T 7/90** ( 2017.01 )  
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**(31)** 2019903180 **(32)** 30.08.19 **(33)** AU  
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**(72)** PEREIRA, Stephen  
**(74)** mdp Patent and Trade Mark Attorneys
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**(21)** 2020343826 **(22)** 04.09.2020  
**(54)** Low-temperature denitration catalyst  
**(51)** Int. Cl.  
**B01J 23/889** ( 2006.01 )  
**B01D 53/56** ( 2006.01 )  
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**(72)** XIE, Zongli; NG, Choon Chian; LI, Yuliang  
**(74)** FB Rice Pty Ltd

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 (21) 2020353385 (22) 24.09.2020  
 (54) Fastener and method of manufacture thereof  
 (51) Int. Cl.  
     **F16B 35/06** ( 2006.01 )  
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 (31) 2019903637 (32) 26.09.19 (33) AU  
 (43) 01.04.2021  
 (72) BUTTERFIELD, Mark; O'NEIL, Gareth;  
     MCCRACKEN, Bradford Shane  
 (74) FB Rice Pty Ltd

(71) ConocoPhillips Company  
 (11) AU-A-2020357860  
 (21) 2020357860 (22) 01.10.2020  
 (54) Lean gas LNG heavies removal process using NGL  
 (51) Int. Cl.  
     **B01D 3/14** ( 2006.01 )  
     **B01D 3/26** ( 2006.01 )  
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 (72) CALDERON, Michael J.; CHAN, Jinghua;  
     EMBRY, Dale L.; JAMES, Will T.; MA, Qi  
 (74) RnB IP Pty Ltd

(71) Consolidated Metco, Inc.  
 (11) AU-A-2020363883  
 (21) 2020363883 (22) 08.10.2020  
 (54) Wheel end monitoring apparatus, fastener, and method  
 (51) Int. Cl.  
     **B60B 3/16** ( 2006.01 )  
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 (72) MORTENSEN, Benjamin; BOVE, Brian;  
     DESHMUKH, Kaustubh; REDDINGTON II,  
     Timothy James  
 (74) Murray Trento & Associates Pty Ltd

(71) Contamination Source Identification LLC  
 (11) AU-A-2020337069  
 (21) 2020337069 (22) 28.08.2020  
 (54) Rapid isolation and collection of microbial RNA from a biological specimen  
 (51) Int. Cl.  
     **A61K 38/00** ( 2006.01 )  
     **A61K 38/16** ( 2006.01 )  
     **C07H 21/04** ( 2006.01 )  
     **C12M 1/00** ( 2006.01 )  
     **C12N 15/09** ( 2006.01 )  
     **C12P 19/34** ( 2006.01 )  
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 (43) 04.03.2021  
 (72) LAMENDELLA, Regina; WRIGHT, Justin;  
     SHOPE, Alexander  
 (74) FB Rice Pty Ltd

(71) ConvaTec Limited  
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 (21) 2020362959 (22) 08.10.2020  
 (54) Wound exudate management systems  
 (51) Int. Cl.  
     **A61F 13/00** ( 2006.01 )  
     **A61F 13/02** ( 2006.01 )  
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 (43) 15.04.2021  
 (72) GILDING, Duncan C.; PEERS, Andrew;  
     POWELL, Shauna V.  
 (74) Houlihan<sup>2</sup> Pty Ltd

(71) Corcept Therapeutics Incorporated  
 (11) AU-A-2020367769  
 (21) 2020367769 (22) 14.10.2020  
 (54) Method of normalizing the neutrophil to lymphocyte ratio in cancer patients with a selective glucocorticoid receptor antagonist  
 (51) Int. Cl.  
     **A61K 31/4738** ( 2006.01 )  
     **A61K 31/337** ( 2006.01 )  
     **A61K 31/7068** ( 2006.01 )  
     **A61K 45/06** ( 2006.01 )  
     **A61P 35/00** ( 2006.01 )  
     **C07D 471/04** ( 2006.01 )  
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 (72) GREENSTEIN, Andrew; LU, Lawrence;  
     CUSTODIO, Joseph; SHEPHERD, Stacie  
 (74) KINGS PATENT & TRADE MARKS ATTORNEYS PTY LTD

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 (54) Methods of treating antipsychotic-induced weight gain with miricorilant  
 (51) Int. Cl.  
     **A61K 31/513** ( 2006.01 )  
     **A61P 3/04** ( 2006.01 )  
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 (72) LEE, Ada; BELANOFF, Joseph; HUNT, Hazel  
 (74) Griffith Hack

(71) CoreLink, LLC  
 (11) AU-A-2020356543  
 (21) 2020356543 (22) 24.09.2020  
 (54) Interbody spacer for spinal fusion  
 (51) Int. Cl.  
     **A61F 2/44** ( 2006.01 )  
     **A61B 17/17** ( 2006.01 )  
     **A61B 17/68** ( 2006.01 )  
     **A61B 17/80** ( 2006.01 )  
     **A61F 2/46** ( 2006.01 )  
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 (43) 01.04.2021  
 (72) MACMILLAN, Adam; ARNONE, Josh  
 (74) Spruson & Ferguson

(71) Corn Products Development, Inc.  
 (11) AU-A-2020369484  
 (21) 2020369484 (22) 16.10.2020  
 (54) Baked good compositions containing al-lulose  
 (51) Int. Cl.  
     **A21D 2/14** ( 2006.01 )  
     **A21D 13/062** ( 2017.01 )  
 (87) WO2021/080871  
 (31) 62/924,669 (32) 22.10.19 (33) US  
 (43) 29.04.2021  
 (72) IVERSON-BURT, Claire; ICOZ, Didem;  
     PARK, Matthew  
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(71) Crane Payment Innovations, Inc.  
 (11) AU-A-2020343703  
 (21) 2020343703 (22) 08.09.2020  
 (54) Banknote deposit-withdrawal system and architecture  
 (51) Int. Cl.  
     **G06Q 20/00** ( 2012.01 )  
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 (43) 11.03.2021  
 (72) BLYTHIN, Robert James; TUMBLETY, Gareth;  
     SELNICK, Matthew; CABRIT, Olivier;  
     MARVIN, Karen Anita; COST, Evan John  
 (74) Davies Collison Cave Pty Ltd

(71) Credentis AG  
 (11) AU-A-2020397227  
 (21) 2020397227 (22) 04.12.2020  
 (54) Personal dental care product for preventing demineralisation  
 (51) Int. Cl.  
     **A61K 8/64** ( 2006.01 )  
     **A61Q 11/00** ( 2006.01 )  
 (87) WO2021/110923  
 (31) 19213470.8 (32) 04.12.19 (33) EP  
 (43) 10.06.2021  
 (72) HUG, Michael; LYSEK, Dominikus Amadeus  
 (74) Pearce IP Pty Ltd

(71) CRRRC Yangtze Co., Ltd.  
 (11) AU-A-2020362710  
 (21) 2020362710 (22) 02.07.2020  
 (54) Railway heat-insulating transportation vehicle and side wall thereof and assembling method therefor  
 (51) Int. Cl.  
     **B61D 17/08** ( 2006.01 )  
     **B29C 65/00** ( 2006.01 )  
     **B60P 3/025** ( 2006.01 )  
     **B60P 3/20** ( 2006.01 )  
     **B61D 3/16** ( 2006.01 )  
     **B61D 17/00** ( 2006.01 )  
     **B61D 17/06** ( 2006.01 )  
     **B61D 17/10** ( 2006.01 )  
     **B61D 17/12** ( 2006.01 )  
     **B61D 27/00** ( 2006.01 )  
     **B62D 33/04** ( 2006.01 )

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**(74)** Spruson & Ferguson

**(71)** CSL Behring Lengnau AG  
**(11)** AU-A-2020344164  
**(21)** 2020344164 **(22)** 11.09.2020  
**(54)** Recombinant IgG Fc multimers for the treatment of immune complex-mediated kidney disorders  
**(51)** Int. Cl.  
**C07K 16/00** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**A61P 13/12** ( 2006.01 )  
**A61P 37/06** ( 2006.01 )  
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**(43)** 18.03.2021  
**(72)** CAO, Helen Zhihui; SPIRIG, Rolf; ZUERCHER, Adrian; BAZ MORELLI, Adriana  
**(74)** FB Rice Pty Ltd

**(71)** CytImmune Therapeutics, Inc.  
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**(21)** 2020344551 **(22)** 09.09.2020  
**(54)** Bispecific antibody CAR cell immunotherapy  
**(51)** Int. Cl.  
**A61K 35/17** ( 2015.01 )  
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**(43)** 18.03.2021  
**(72)** CALIGIURI, Michael; YU, Jianhua  
**(74)** HENRY HUGHES IP LTD

**(71)** Dai, A.  
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**(54)** New method of lithium sulfate and sodium (potassium) carbonate directly producing lithium carbonate and reducing sulfate radical content  
**(51)** Int. Cl.  
**C01D 15/08** ( 2006.01 )  
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**(43)** 08.04.2021  
**(72)** WANG, Qingsheng  
**(74)** WRAYS PTY LTD

**(71)** Daikin Industries, Ltd.  
**(11)** AU-A-2020351474  
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**(54)** Blower and air-conditioning indoor unit  
**(51)** Int. Cl.

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**F04D 17/04** ( 2006.01 )  
**F24F 13/06** ( 2006.01 )  
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**F24F 13/20** ( 2006.01 )  
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**(72)** FUJITA, Hiroki; UDA, Masafumi; MATSUMOTO, Sachiko; NUNO, Hayato; TAKENAKA, Kei  
**(74)** Spruson & Ferguson

**(71)** Dai Nippon Printing Co., Ltd.  
**(11)** AU-A-2020356981  
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**(54)** Decorative sheet and decorative material using same  
**(51)** Int. Cl.  
**B32B 27/00** ( 2006.01 )  
**B32B 27/20** ( 2006.01 )  
**(87)** WO2021/065637  
**(31)** 2019-181066 **(32)** 30.09.19 **(33)** JP  
**(43)** 08.04.2021  
**(72)** FURUTA, Satoshi; KOMURASAKI, Mayuko  
**(74)** Phillips Ormonde Fitzpatrick

**(71)** Dai Nippon Printing Co., Ltd.  
**(11)** AU-A-2020359596  
**(21)** 2020359596 **(22)** 23.09.2020  
**(54)** Decorative sheet and decorative material using same  
**(51)** Int. Cl.  
**B32B 27/00** ( 2006.01 )  
**B32B 27/18** ( 2006.01 )  
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**(31)** 2019-180105 **(32)** 30.09.19 **(33)** JP  
**(43)** 08.04.2021  
**(72)** FURUTA, Satoshi; GOTO, Osamu; SAKAI, Toshiyuki; KOMURASAKI, Mayuko  
**(74)** Phillips Ormonde Fitzpatrick

**(71)** Dentsply Sirona Inc.; Sirona Dental Systems GmbH  
**(11)** AU-A-2020381893  
**(21)** 2020381893 **(22)** 16.11.2020  
**(54)** System and method for supervised post-processing  
**(51)** Int. Cl.  
**B08B 3/10** ( 2006.01 )  
**B29C 64/124** ( 2017.01 )  
**B29C 64/245** ( 2017.01 )  
**B29C 64/35** ( 2017.01 )  
**B29C 64/393** ( 2017.01 )  
**B29C 71/00** ( 2006.01 )  
**B33Y 30/00** ( 2015.01 )  
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**B33Y 50/02** ( 2015.01 )  
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**(31)** A50989/2019 **(32)** 15.11.19 **(33)** AT  
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**(72)** STADLMANN, Klaus  
**(74)** Patent Attorney Services

**(71)** Dentsply Sirona Inc.; Sirona Dental Systems GmbH  
**(11)** AU-A-2020382929  
**(21)** 2020382929 **(22)** 16.11.2020  
**(54)** Post-exposure unit  
**(51)** Int. Cl.  
**B29C 71/04** ( 2006.01 )  
**B29C 35/02** ( 2006.01 )  
**B29C 64/30** ( 2017.01 )  
**B33Y 40/20** ( 2020.01 )  
**B29C 35/08** ( 2006.01 )  
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**(72)** STADLMANN, Klaus  
**(74)** Patent Attorney Services

**(71)** DePuy Synthes Products, Inc.  
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**(21)** 2020335354 **(22)** 17.08.2020  
**(54)** Plate connection  
**(51)** Int. Cl.  
**A61B 17/80** ( 2006.01 )  
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**(31)** 16/553,676 **(32)** 28.08.19 **(33)** US  
**(43)** 04.03.2021  
**(72)** FATONE, Peter; DUDE, Stefan  
**(74)** Spruson & Ferguson

**(71)** DePuy Synthes Products, Inc.  
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**(21)** 2020368057 **(22)** 24.09.2020  
**(54)** Surgical saw blade  
**(51)** Int. Cl.  
**A61B 17/14** ( 2006.01 )  
**(87)** WO2021/074720  
**(31)** 16/657,524 **(32)** 18.10.19 **(33)** US  
**(43)** 22.04.2021  
**(72)** GISLER, Stefan  
**(74)** Spruson & Ferguson

**(71)** Derrick Corporation  
**(11)** AU-A-2020349558  
**(21)** 2020349558 **(22)** 18.09.2020  
**(54)** Tensioned screen assembly  
**(51)** Int. Cl.  
**B07B 1/46** ( 2006.01 )  
**B01D 29/01** ( 2006.01 )  
**B07B 1/48** ( 2006.01 )  
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**(31)** 62/902,688 **(32)** 19.09.19 **(33)** US  
**(43)** 25.03.2021  
**(72)** COLGROVE, James R.  
**(74)** Phillips Ormonde Fitzpatrick

**(71)** Deutsch, D.  
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**(54)** Anti-biofouling of submerged lighting fixtures  
**(51)** Int. Cl.  
**B08B 7/00** ( 2006.01 )  
**B08B 17/02** ( 2006.01 )  
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**(72)** DEUTSCH, Daniel; USHER, Scott D.  
**(74)** FB Rice Pty Ltd

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 (51) Int. Cl.  
**A61B 10/02** ( 2006.01 )  
**A61B 10/00** ( 2006.01 )  
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 (31) 62/916,277 (32) 17.10.19 (33) US  
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 (72) REBELLINO, Justin; MCBREEN, David C.; NOCK, Andrew P.; LEIMBACH, Jessica P.  
 (74) FPA Patent Attorneys Pty Ltd

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 (54) IL-17A modulators and uses thereof  
 (51) Int. Cl.  
**C07D 241/04** ( 2006.01 )  
**A61K 31/496** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07D 401/12** ( 2006.01 )  
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 (54) Methods for treating myelofibrosis and related conditions  
 (51) Int. Cl.  
**A61K 31/519** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
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 (72) QUISEL, John; BECONI, Maria; ROBINETTE, Steven; MACDONALD, Brian  
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 (54) System and method for identifying a disease affected area  
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**H04W 4/02** ( 2018.01 )  
**G06F 16/29** ( 2019.01 )  
**G16H 50/30** ( 2018.01 )  
**G16H 50/80** ( 2018.01 )  
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 (74) Michael Buck IP

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 (54) Process for stripping an aqueous dispersion of polymeric beads  
 (51) Int. Cl.  
**B01D 3/38** ( 2006.01 )  
**C08F 6/10** ( 2006.01 )  
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 (74) Maxwells Patent & Trade Mark Attorneys Pty Ltd

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(71) Dow Global Technologies LLC; Rohm and Haas Company  
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 (54) Liquid laundry detergent with cleaning booster  
 (51) Int. Cl.  
**C11D 3/37** ( 2006.01 )  
**C11D 11/00** ( 2006.01 )  
**C11D 17/00** ( 2006.01 )  
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 (51) Int. Cl.  
**B01L 3/00** ( 2006.01 )  
**B01L 3/02** ( 2006.01 )  
**G01N 1/10** ( 2006.01 )

**G01N 35/10** ( 2006.01 )  
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 (54) Lipid vesicle compositions with penetration enhancing agents  
 (51) Int. Cl.  
**A61K 9/127** ( 2006.01 )  
**A61K 8/04** ( 2006.01 )  
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**A61K 47/24** ( 2006.01 )  
**A61P 17/00** ( 2006.01 )  
**A61Q 19/00** ( 2006.01 )  
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 (74) FB Rice Pty Ltd

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 (54) Treatment of alcoholic hepatitis  
 (51) Int. Cl.  
**A61K 8/63** ( 2006.01 )  
**A61K 31/56** ( 2006.01 )  
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**A61P 1/16** ( 2006.01 )  
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 (72) LIN, WeiQi; BROWN, James E.; BLASCHKE, Terrence  
 (74) FB Rice Pty Ltd

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 (54) Directional balloon transseptal insertion device for medical procedures with improved transseptal puncture system with puncture member balloon seal  
 (51) Int. Cl.  
**A61B 8/08** ( 2006.01 )  
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**A61B 8/12** ( 2006.01 )  
**A61B 17/34** ( 2006.01 )  
**A61B 18/14** ( 2006.01 )  
**A61B 90/00** ( 2016.01 )  
**A61M 25/00** ( 2006.01 )  
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 (74) HopgoodGanin
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 (54) Methods of treatment for modifying hemodynamics  
 (51) Int. Cl.  
*A61K 38/04* ( 2006.01 )  
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*A61K 38/24* ( 2006.01 )  
*A61P 7/04* ( 2006.01 )  
*C07K 5/10* ( 2006.01 )  
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 (72) PICKKERS, Roelof Peter; WENS-VOORT, Gert  
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- (71) Ecole polytechnique federale de Lausanne (EPFL)  
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 (54) Hybrid soft-rigid electrical interconnection system  
 (51) Int. Cl.  
*A61N 1/05* ( 2006.01 )  
*A61N 1/375* ( 2006.01 )  
*H01R 12/00* ( 2006.01 )  
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 (72) FALLEGGER, Florian; SCHIAVONE, Giuseppe; LACOUR, Stephanie P.  
 (74) Phillips Ormonde Fitzpatrick
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 (11) AU-A-2020353222  
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 (54) Treatment and prevention of aging related-disease and/or aging by the inhibition of sphingolipids  
 (51) Int. Cl.  
*C12N 9/10* ( 2006.01 )  
*A61K 31/201* ( 2006.01 )  
*A61K 31/7105* ( 2006.01 )  
*A61K 31/713* ( 2006.01 )  
*A61K 38/00* ( 2006.01 )  
*A61K 48/00* ( 2006.01 )  
*C12N 9/02* ( 2006.01 )  
*C12N 9/04* ( 2006.01 )  
*C12N 9/12* ( 2006.01 )  
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*C12N 9/78* ( 2006.01 )  
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 (72) LAURILA, Pirkka-Pekka; AUWERX, Johan  
 (74) FB Rice Pty Ltd
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 (54) Methods for cellularly addressable nucleic acid sequencing  
 (51) Int. Cl.  
*C12Q 1/6874* ( 2018.01 )  
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 (74) FB Rice Pty Ltd
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- (71) Emory University  
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 (54) 4'-halogen containing nucleotide and nucleoside therapeutic compositions and uses related thereto  
 (51) Int. Cl.  
*A01N 43/04* ( 2006.01 )  
*A61K 31/495* ( 2006.01 )  
*A61K 31/706* ( 2006.01 )  
*A61P 31/12* ( 2006.01 )  
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 (54) Genetically modified plants and methods of making the same  
 (51) Int. Cl.  
*C07K 14/415* ( 2006.01 )  
*C12N 9/02* ( 2006.01 )  
*C12N 15/82* ( 2006.01 )  
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 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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 (54) Genetically modified plants and methods of making the same  
 (51) Int. Cl.  
*C07K 14/415* ( 2006.01 )  
*C12N 9/02* ( 2006.01 )  
*C12N 15/82* ( 2006.01 )  
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 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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 (54) A load guiding arrangement arranged for mounting to a crane  
 (51) Int. Cl.  
*B66C 1/10* ( 2006.01 )  
*B66C 13/08* ( 2006.01 )  
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 (31) PA 2019 70565 (32) 11.09.19 (33) DK  
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 (72) KRISTENSEN, Claus Dahl; BARS-BALLE, Henrik  
 (74) Spruson & Ferguson
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 (21) 2020358717 (22) 01.10.2020  
 (54) Systems and methods for reconstruction and characterization of physiologically healthy and physiologically defective anatomical structures to facilitate preoperative surgical planning  
 (51) Int. Cl.  
*A61B 34/10* ( 2016.01 )  
*G16H 50/50* ( 2018.01 )  
*A61B 34/00* ( 2016.01 )  
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 (54) Electrolysis system and method  
 (51) Int. Cl.  
*C25B 1/04* ( 2021.01 )  
*C25B 15/02* ( 2021.01 )  
 (87) WO2021/042158  
 (31) 2019903244 (32) 03.09.19 (33) AU  
 (43) 11.03.2021  
 (72) CAMPEANU, Ron; CAMPEANU, Thomas  
 (74) Griffith Hack
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 (11) AU-A-2020374372  
 (21) 2020374372 (22) 23.10.2020  
 (54) Pneumatic drill hammer comprising a boost chamber and a drilling rig comprising such a drill hammer  
 (51) Int. Cl.  
*B25D 9/08* ( 2006.01 )  
*B25D 9/14* ( 2006.01 )  
*B25D 17/24* ( 2006.01 )  
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 (74) WRAYS PTY LTD
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- (71) Epsilogen Ltd  
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 (54) Hybrid antibody  
 (51) Int. Cl.  
 A61P 35/00 (2006.01)  
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**A61P 25/00** ( 2006.01 )  
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**C07C 235/12** ( 2006.01 )  
**C07C 317/22** ( 2006.01 )  
**C07D 213/30** ( 2006.01 )  
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C07D 471/04 ( 2006.01 )  
A61K 31/437 ( 2006.01 )  
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C07D 487/04 ( 2006.01 )  
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B22F 3/105 ( 2006.01 )  
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C07C 29/132 ( 2006.01 )  
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C08K 3/30 ( 2006.01 )  
C08L 101/00 ( 2006.01 )  
C09D 7/61 ( 2018.01 )  
C09D 201/00 ( 2006.01 )  
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C01F 11/18 ( 2006.01 )  
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A61K 31/17 ( 2006.01 )  
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A61K 31/415 ( 2006.01 )  
A61K 31/44 ( 2006.01 )  
A61P 29/00 ( 2006.01 )  
A61P 35/00 ( 2006.01 )  
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 (43) 08.04.2021  
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 (54) A docking arrangement for an additive manufacturing process  
 (51) Int. Cl.  
*B22F 3/105* (2006.01)  
*B29C 64/153* (2017.01)  
*B29C 64/307* (2017.01)  
*B29C 64/321* (2017.01)  
*B29C 64/329* (2017.01)  
*B29C 64/357* (2017.01)  
*B33Y 10/00* (2015.01)  
*B33Y 30/00* (2015.01)  
*B33Y 40/00* (2020.01)  
*B65D 83/06* (2006.01)  
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 (54) A docking arrangement for an additive manufacturing process  
 (51) Int. Cl.  
*B22F 3/105* (2006.01)  
*B22F 3/00* (2021.01)  
*B29C 64/153* (2017.01)  
*B29C 64/307* (2017.01)  
*B29C 64/329* (2017.01)  
*B29C 64/357* (2017.01)  
*B33Y 10/00* (2015.01)  
*B33Y 30/00* (2015.01)  
*B33Y 40/00* (2020.01)  
*B65D 83/06* (2006.01)  
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 (54) A docking arrangement for an additive manufacturing process  
 (51) Int. Cl.  
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*B29C 64/255* (2017.01)  
*B29C 64/259* (2017.01)  
*B29C 64/307* (2017.01)  
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*B33Y 10/00* (2015.01)  
*B33Y 30/00* (2015.01)

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**(51)** Int. Cl.  
**C12N 15/09** ( 2006.01 )  
**C07C 69/38** ( 2006.01 )  
**C12N 9/16** ( 2006.01 )  
**C12N 15/52** ( 2006.01 )  
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**(51)** Int. Cl.  
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**A61F 2/38** ( 2006.01 )  
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**(51)** Int. Cl.  
**A61B 34/30** ( 2016.01 )  
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**(51)** Int. Cl.  
**A61B 17/16** ( 2006.01 )  
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**E01F 15/04** ( 2006.01 )  
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**(72)** MARGARITELLI, Fernando  
**(74)** FB Rice Pty Ltd
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**(54)** Ocular sealants and methods of using the same  
**(51)** Int. Cl.  
**A61L 27/14** ( 2006.01 )  
**A61K 8/65** ( 2006.01 )  
**A61K 31/728** ( 2006.01 )  
**A61L 24/00** ( 2006.01 )  
**A61L 24/04** ( 2006.01 )  
**A61L 27/00** ( 2006.01 )  
**A61P 27/02** ( 2006.01 )  
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**(43)** 01.07.2021  
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**(54)** Method and system for securing personally identifiable information  
**(51)** Int. Cl.  
**G06F 21/62** ( 2013.01 )  
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**(51)** Int. Cl.
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**G06Q 20/10** ( 2012.01 )  
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**G06Q 20/26** ( 2012.01 )  
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**(51)** Int. Cl.  
**H02K 49/10** ( 2006.01 )  
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**G09G 3/34** ( 2006.01 )  
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**(51)** Int. Cl.  
**A61N 1/36** ( 2006.01 )  
**A61B 8/00** ( 2006.01 )  
**G01S 15/89** ( 2006.01 )  
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**(74)** Pizeys Patent and Trade Mark Attorneys Pty Ltd
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(51) Int. Cl.  
C07K 16/28 ( 2006.01 )  
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C12N 15/09 ( 2006.01 )  
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C12Q 1/6809 ( 2018.01 )  
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(51) Int. Cl.  
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(51) Int. Cl.  
A61K 31/444 ( 2006.01 )  
A61K 9/00 ( 2006.01 )  
A61K 45/06 ( 2006.01 )  
A61P 11/00 ( 2006.01 )  
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(51) Int. Cl.  
A61B 5/151 ( 2006.01 )  
A61B 5/145 ( 2006.01 )  
A61B 5/1473 ( 2006.01 )  
A61B 5/15 ( 2006.01 )  
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G06T 7/00 ( 2017.01 )  
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B65D 41/34 ( 2006.01 )  
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G01N 33/00 ( 2006.01 )  
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A61B 1/04 ( 2006.01 )  
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(51) Int. Cl.  
A61K 31/519 ( 2006.01 )  
A61K 31/496 ( 2006.01 )  
A61P 35/00 ( 2006.01 )  
C07D 471/04 ( 2006.01 )  
C07D 487/04 ( 2006.01 )  
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B02C 17/22 ( 2006.01 )  
B02C 23/00 ( 2006.01 )  
B23P 19/04 ( 2006.01 )  
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B25J 19/00 ( 2006.01 )  
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**F22B 1/28** ( 2006.01 )  
**C02F 1/04** ( 2006.01 )  
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**H01S 5/022** ( 2021.01 )  
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**C11D 17/04** ( 2006.01 )  
**B65D 65/46** ( 2006.01 )  
**D04H 1/4309** ( 2012.01 )  
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**G06K 9/00** ( 2006.01 )  
**G07C 1/24** ( 2006.01 )  
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**A23C 21/02** ( 2006.01 )  
**A23J 3/34** ( 2006.01 )  
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 (54) Engineered T cells and methods of producing thereof  
 (51) Int. Cl.  
**C12N 5/10** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C12N 15/13** ( 2006.01 )  
**C12N 15/62** ( 2006.01 )  
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**C07D 487/04** ( 2006.01 )  
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 (51) Int. Cl.  
**A61K 8/02** ( 2006.01 )  
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**A61K 8/96** ( 2006.01 )  
**A61Q 1/00** ( 2006.01 )  
**A61Q 19/00** ( 2006.01 )  
**D01D 5/00** ( 2006.01 )  
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A61P 27/02 (2006.01)  
A61P 29/00 (2006.01)  
A61P 31/14 (2006.01)  
A61P 35/00 (2006.01)  
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(51) Int. Cl.  
C07D 487/04 (2006.01)  
A61K 31/519 (2006.01)  
A61P 9/10 (2006.01)  
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C07D 487/14 (2006.01)  
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(74) Michael Buck IP
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H01R 13/506 (2006.01)  
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(51) Int. Cl.  
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(74) WRAYS PTY LTD
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H04W 48/00 (2009.01)

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- (71)** NorthEastern University  
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**(54)** Suspension roasting system and method for industrialized processing of ferromanganese ore  
**(51)** Int. Cl.  
**C22B 47/00** ( 2006.01 )  
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**(54)** A head restraint  
**(51)** Int. Cl.  
**A47C 7/38** ( 2006.01 )  
**A47C 16/00** ( 2006.01 )  
**B60N 2/882** ( 2018.01 )  
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**(43)** 15.04.2021  
**(72)** HALSALL, Scott  
**(74)** Patentec Patent Attorneys
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**(54)** Compounds active towards nuclear receptors  
**(51)** Int. Cl.  
**A61P 35/00** ( 2006.01 )  
**A61K 31/506** ( 2006.01 )  
**A61P 29/00** ( 2006.01 )  
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**C07D 401/12** ( 2006.01 )  
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**(54)** Method and process for placement and fixation of a surgical implant  
**(51)** Int. Cl.  
**A61N 1/05** ( 2006.01 )  
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**(54)** Pneumatic pressure probe  
**(51)** Int. Cl.  
**A61B 3/16** ( 2006.01 )  
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**A61B 5/021** ( 2006.01 )  
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**(72)** CRANE DUBOIS, Robert Ogden  
**(74)** Pizzey's Patent and Trade Mark Attorneys Pty Ltd
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**(21)** 2020351765 **(22)** 25.09.2020  
**(54)** Systems and methods for uniform, cross-platform transactions  
**(51)** Int. Cl.  
**G06Q 20/32** ( 2012.01 )  
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**(54)** PD-L1 targeted chimeric proteins and uses thereof  
**(51)** Int. Cl.  
**C07K 16/28** ( 2006.01 )  
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**(54)** Proliferation inhibitor  
**(51)** Int. Cl.  
**A61P 3/10** ( 2006.01 )  
**A61K 35/545** ( 2015.01 )  
**A61L 27/38** ( 2006.01 )  
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**(51)** Int. Cl.  
**A61K 31/436** ( 2006.01 )  
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**A61P 25/08** ( 2006.01 )  
**A61K 9/06** ( 2006.01 )  
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**(72)** KANEDA, Mari  
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**(54)** Reconfigurable bed rack system and method  
**(51)** Int. Cl.  
**B60R 11/06** ( 2006.01 )  
**B60P 3/00** ( 2006.01 )  
**B60P 3/14** ( 2006.01 )  
**B60P 3/32** ( 2006.01 )  
**B60P 3/36** ( 2006.01 )  
**B60P 3/40** ( 2006.01 )  
**B60R 9/00** ( 2006.01 )  
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**B60R 21/13** ( 2006.01 )  
**B62D 33/02** ( 2006.01 )  
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**(11)** AU-A-2020336470  
**(21)** 2020336470 **(22)** 28.08.2020  
**(54)** Low viscosity sealant to prevent corrosion under insulation  
**(51)** Int. Cl.  
**F16L 1/16** ( 2006.01 )  
**F16L 59/02** ( 2006.01 )  
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 (54) A compression seal  
 (51) Int. Cl.  
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*B01D 63/04* ( 2006.01 )  
*C02F 3/12* ( 2006.01 )
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 (54) Non-dairy crumb and method for its manufacture  
 (51) Int. Cl.  
*A23G 1/00* ( 2006.01 )  
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*A23L 7/10* ( 2016.01 )  
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*C07D 401/12* ( 2006.01 )  
*A61K 31/4045* ( 2006.01 )  
*A61K 31/427* ( 2006.01 )  
*A61K 31/4439* ( 2006.01 )  
*A61K 31/4709* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
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*C07D 209/14* ( 2006.01 )
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 (51) Int. Cl.  
*F03D 9/32* ( 2016.01 )  
*B60H 1/22* ( 2006.01 )  
*F03D 7/02* ( 2006.01 )
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 (72) PARKER, James R.  
 (74) K&L Gates
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 (54) Vacuum-insulated cooler  
 (51) Int. Cl.  
*F25D 23/06* ( 2006.01 )  
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 (21) 2020360221 (22) 25.09.2020  
 (54) RGB network and devices  
 (51) Int. Cl.  
*G06F 21/60* ( 2013.01 )  
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 (72) CVIJANOVIC, Christi  
 (74) FB Rice Pty Ltd
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 (54) Treatment of hidradenitis with JAK inhibitors  
 (51) Int. Cl.  
*A61K 31/4985* ( 2006.01 )  
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*A61P 17/00* ( 2006.01 )
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 (74) Davies Collison Cave Pty Ltd
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 (51) Int. Cl.  
*C07D 403/14* ( 2006.01 )  
*A61K 31/4196* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
*C07D 401/14* ( 2006.01 )  
*C07D 405/14* ( 2006.01 )  
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*C07D 451/02* ( 2006.01 )  
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*C07D 471/04* ( 2006.01 )  
*C07D 487/04* ( 2006.01 )  
*C07D 491/107* ( 2006.01 )  
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 (74) Allens Patent & Trade Mark Attorneys
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 (54) Neisseria meningitidis compositions and methods thereof  
 (51) Int. Cl.  
*A61K 39/095* ( 2006.01 )  
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*A61P 31/04* ( 2006.01 )
- (87) WO2021/059181  
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 (74) Davies Collison Cave Pty Ltd
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- (71) Pharma Mar, S.A.  
 (11) AU-A-2020342483  
 (21) 2020342483 (22) 03.09.2020  
 (54) Lurbinedin in the treatment of malignant mesothelioma

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 B01D 71/02 ( 2006.01 )  
 D02G 3/04 ( 2006.01 )
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 (74) Davies Collison Cave Pty Ltd
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 (51) Int. Cl.  
 E01F 15/14 ( 2006.01 )  
 E01F 15/04 ( 2006.01 )  
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 (21) 2020349082 (22) 07.07.2020  
 (54) System to collect and identify skin conditions from images and expert knowledge  
 (51) Int. Cl.  
 A61B 10/00 ( 2006.01 )  
 G06K 9/62 ( 2006.01 )  
 G16H 30/00 ( 2018.01 )  
 G16H 50/20 ( 2018.01 )  
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 (51) Int. Cl.  
 A61B 17/80 ( 2006.01 )  
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 (72) TOUCHET, Tyler; RADZICKI, Christopher  
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 (54) Method to increase the permeability of the plasma membrane of cells and a structure suitable for use in such method

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(54) A modified gum
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**A23L 29/269** ( 2016.01 )  
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**A23L 29/238** ( 2016.01 )  
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**C08B 37/00** ( 2006.01 )
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- (51) Int. Cl.  
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- (51) Int. Cl.  
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(21) 2021225837 (22) 24.02.2021  
(54) Message exchange system
- (51) Int. Cl.  
**G06Q 30/08** ( 2012.01 )  
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- (51) Int. Cl.  
**C07K 14/005** ( 2006.01 )  
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**A61K 47/54** ( 2017.01 )  
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- (51) Int. Cl.  
**C12Q 1/686** ( 2018.01 )
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(21) 2020349263 (22) 18.09.2020  
(54) Pharmaceutical composition
- (51) Int. Cl.  
**A61K 31/726** ( 2006.01 )  
**A61P 11/02** ( 2006.01 )
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(21) 2020346819 (22) 10.09.2020
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- (51) Int. Cl.  
**A61K 38/16** ( 2006.01 )  
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**A61P 31/18** ( 2006.01 )
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(74) Dentons Patent Attorneys Australasia Limited
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(21) 2020346457 (22) 14.09.2020  
(54) A process for treating acid mine drainage
- (51) Int. Cl.  
**C02F 1/28** ( 2006.01 )  
**C02F 1/72** ( 2006.01 )  
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**C02F 9/08** ( 2006.01 )  
**C02F 103/10** ( 2006.01 )
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(31) 2019/06052 (32) 13.09.19 (33) ZA  
(43) 18.03.2021  
(72) MAMBA, Bhekhe Brilliance; KEFENI, Kebede Keterew  
(74) Phillips Ormonde Fitzpatrick
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(11) AU-A-2020358454  
(21) 2020358454 (22) 01.10.2020  
(54) Herbicide compositions
- (51) Int. Cl.  
**A01N 37/26** ( 2006.01 )  
**A01N 43/50** ( 2006.01 )  
**A01N 43/56** ( 2006.01 )  
**A01N 43/653** ( 2006.01 )  
**A01N 43/90** ( 2006.01 )  
**A01N 47/36** ( 2006.01 )  
**A01N 47/38** ( 2006.01 )  
**A01P 13/00** ( 2006.01 )
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(31) 201941039822 (32) 01.10.19 (33) IN  
(43) 08.04.2021  
(72) FABRI, Carlos Eduardo; PEREIRA, Rafael Henriq; SILVA, Ferdinando Marcos Lima; LENZ, Giuvan  
(74) Churchill Attorneys
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(11) AU-A-2020359056  
(21) 2020359056 (22) 01.10.2020  
(54) Herbicide composition
- (51) Int. Cl.  
**A01N 37/26** ( 2006.01 )  
**A01N 33/18** ( 2006.01 )  
**A01N 35/10** ( 2006.01 )  
**A01N 37/40** ( 2006.01 )  
**A01N 41/06** ( 2006.01 )  
**A01N 43/40** ( 2006.01 )

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**A01N 43/60** ( 2006.01 )  
**A01N 43/64** ( 2006.01 )  
**A01N 43/70** ( 2006.01 )  
**A01N 43/707** ( 2006.01 )  
**A01N 43/84** ( 2006.01 )  
**A01N 43/88** ( 2006.01 )  
**A01N 47/20** ( 2006.01 )  
**A01N 47/22** ( 2006.01 )  
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**A01P 13/00** ( 2006.01 )  
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**(31)** 201941039823 **(32)** 01.10.19 **(33)** IN  
**(43)** 08.04.2021  
**(72)** FABRI, Carlos Eduardo; PEREIRA, Rafael Henriq; SILVA, Ferdinando Marcos Lima; LENZ, Giuvan  
**(74)** Churchill Attorneys

**(71)** Vallourec Oil and Gas France  
**(11)** AU-A-2020362925  
**(21)** 2020362925 **(22)** 06.10.2020  
**(54)** Threaded joint with a sealing seat produced by additive manufacture  
**(51)** Int. Cl.  
**E21B 17/02** ( 2006.01 )  
**E21B 17/042** ( 2006.01 )  
**F16L 15/00** ( 2006.01 )  
**(87)** WO2021/069402  
**(31)** FR1911148 **(32)** 08.10.19 **(33)** FR  
**(43)** 15.04.2021  
**(72)** VERGER, Eric  
**(74)** Griffith Hack

**(71)** Vapotherm, Inc.  
**(11)** AU-A-2020353666  
**(21)** 2020353666 **(22)** 25.09.2020  
**(54)** Internal cannula mounted nebulizer  
**(51)** Int. Cl.  
**A61M 16/06** ( 2006.01 )  
**A61M 11/00** ( 2006.01 )  
**A61M 16/00** ( 2006.01 )  
**A61M 16/08** ( 2006.01 )  
**(87)** WO2021/062214  
**(31)** 62/906,404 **(32)** 26.09.19 **(33)** US  
**(43)** 01.04.2021  
**(72)** LEONARD, Scott A.  
**(74)** Pizzey's Patent and Trade Mark Attorneys Pty Ltd

**(71)** Vectura Delivery Devices Limited  
**(11)** AU-A-2020385596  
**(21)** 2020385596 **(22)** 17.11.2020  
**(54)** Dry powder inhaler with an adherence/compliance monitor  
**(51)** Int. Cl.  
**A61M 15/00** ( 2006.01 )  
**(87)** WO2021/099328  
**(31)** 19209857.2 **(32)** 18.11.19 **(33)** EP  
 19209856.4 18.11.19 EP  
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**(43)** 27.05.2021  
**(72)** MELINIOTIS, Andreas; CLARKE, Roger; COTTON, Darryl; DEAMER, John; SMITH, Philip; SWANBURY, Philip; THOMAS, Seth  
**(74)** Spruson & Ferguson

**(71)** Veris Health Inc.  
**(11)** AU-A-2020385399  
**(21)** 2020385399 **(22)** 18.11.2020  
**(54)** Vascular access devices, systems, and methods for monitoring patient health  
**(51)** Int. Cl.  
**A61B 5/00** ( 2006.01 )  
**A61B 5/0205** ( 2006.01 )  
**(87)** WO2021/102467  
**(31)** 62/937,139 **(32)** 18.11.19 **(33)** US  
**(43)** 27.05.2021  
**(72)** MITCHELL, James D.; THORESON, Andrew  
**(74)** Spruson & Ferguson

**(71)** Verisure Sàrl  
**(11)** AU-A-2020358768  
**(21)** 2020358768 **(22)** 30.09.2020  
**(54)** A security monitoring system  
**(51)** Int. Cl.  
**G08B 25/00** ( 2006.01 )  
**G08B 13/08** ( 2006.01 )  
**G08B 25/08** ( 2006.01 )  
**(87)** WO2021/064029  
**(31)** P 201930846 **(32)** 30.09.19 **(33)** ES  
**(43)** 08.04.2021  
**(72)** IGLESIAS, Angel Francisco Piorno; ECHEVERRIA, Jon Noble  
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**(71)** Verisure Sàrl  
**(11)** AU-A-2020360874  
**(21)** 2020360874 **(22)** 30.09.2020  
**(54)** A security monitoring system  
**(51)** Int. Cl.  
**G08B 25/00** ( 2006.01 )  
**G08B 13/08** ( 2006.01 )  
**G08B 25/08** ( 2006.01 )  
**(87)** WO2021/064027  
**(31)** P 201930847 **(32)** 30.09.19 **(33)** ES  
**(43)** 08.04.2021  
**(72)** IGLESIAS, Angel Francisco Piorno; ECHEVERRIA, Jon Noble  
**(74)** Spruson & Ferguson

**(71)** Vestas Wind Systems A/S  
**(11)** AU-A-2020369806  
**(21)** 2020369806 **(22)** 02.10.2020  
**(54)** Assembling or disassembling a gear assembly of a wind turbine  
**(51)** Int. Cl.  
**F03D 15/10** ( 2016.01 )  
**(87)** WO2021/078341  
**(31)** PA 2019 70660 **(32)** 23.10.19 **(33)** DK  
**(43)** 29.04.2021  
**(72)** YAMBEH YAMBAHA, Noel; LUBIAN BERRECO, Xose  
**(74)** Griffith Hack

**(71)** Vetco Gray Scandinavia AS  
**(11)** AU-A-2020347749  
**(21)** 2020347749 **(22)** 18.09.2020  
**(54)** Configurable block manifold system  
**(51)** Int. Cl.  
**E21B 33/035** ( 2006.01 )  
**E21B 34/04** ( 2006.01 )  
**E21B 43/017** ( 2006.01 )

**F15B 13/08** ( 2006.01 )  
**(87)** WO2021/052632  
**(31)** 20191136 **(32)** 19.09.19 **(33)** NO  
**(43)** 25.03.2021  
**(72)** HESTETUN, Steinar Lindemann  
**(74)** Phillips Ormonde Fitzpatrick

**(71)** Vetco Gray Scandinavia AS  
**(11)** AU-A-2020350979  
**(21)** 2020350979 **(22)** 18.09.2020  
**(54)** Male-male hot stab assembly  
**(51)** Int. Cl.  
**E21B 33/035** ( 2006.01 )  
**F16L 1/26** ( 2006.01 )  
**(87)** WO2021/052633  
**(31)** 20191137 **(32)** 19.09.19 **(33)** NO  
 20200733 23.06.20 NO  
**(43)** 25.03.2021  
**(72)** HELLAND, Tom Ståle  
**(74)** Phillips Ormonde Fitzpatrick

**(71)** ViaSat, Inc.  
**(11)** AU-A-2019467280  
**(21)** 2019467280 **(22)** 27.09.2019  
**(54)** Method and apparatus for enabling off-loading network traffic via a connected cellular device  
**(51)** Int. Cl.  
**H04L 45/24** ( 2022.01 )  
**H04L 47/00** ( 2022.01 )  
**H04W 40/22** ( 2009.01 )  
**(87)** WO2021/061150  
**(43)** 01.04.2021  
**(72)** MADHAV, Praveen; UBEROY, Pawan  
**(74)** Adams Pluck

**(71)** Viper Innovations Limited  
**(11)** AU-A-2020388243  
**(21)** 2020388243 **(22)** 19.11.2020  
**(54)** Method and system for cable insulation testing  
**(51)** Int. Cl.  
**G01R 27/02** ( 2006.01 )  
**G01R 31/08** ( 2020.01 )  
**G01R 31/52** ( 2020.01 )  
**(87)** WO2021/099495  
**(31)** 1916836.8 **(32)** 19.11.19 **(33)** GB  
**(43)** 27.05.2021  
**(72)** COVENTRY, Keith David; OVERTON, Paul Robert; SIMPSON, Steven Lewis Charles; XU, Guangqiao  
**(74)** BOSH IP Pty Ltd

**(71)** Vivid Robotics, Inc.  
**(11)** AU-A-2020466993  
**(21)** 2020466993 **(22)** 18.09.2020  
**(54)** Apparatus for the association of liquid and foodstuff onto a base  
**(51)** Int. Cl.  
**A23P 20/20** ( 2016.01 )  
**A21D 13/41** ( 2017.01 )  
**(43)** 14.04.2022  
**(72)** De Vitis, Brian; Reinecke, Kort  
**(74)** Adams Pluck

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(11) AU-A-2020356637  
(21) 2020356637 (22) 28.09.2020  
(54) Platform for soliciting, processing and managing commercial activity across a plurality of disparate commercial systems  
(51) Int. Cl.  
*G06Q 50/00* ( 2012.01 )  
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(43) 01.04.2021  
(72) CONSTANTIN, Ionut Bogdan; AVADY, Mikhail  
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(11) AU-A-2020357049  
(21) 2020357049 (22) 03.10.2020  
(54) Vascular access device with arteriovenous fistula support  
(51) Int. Cl.  
*A61M 39/02* ( 2006.01 )  
*A61B 17/11* ( 2006.01 )  
(87) WO2021/067885  
(31) 62/910,984 (32) 04.10.19 (33) US  
(43) 08.04.2021  
(72) GLOWCZWSKI, Alan; NEELY, Kimberly Marie  
(74) Pipers Intellectual Property
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- (71) Vytelle, LLC  
(11) AU-A-2020359005  
(21) 2020359005 (22) 05.10.2020  
(54) Compositions, methods, and kits for selection of donors and recipients for in vitro fertilization  
(51) Int. Cl.  
*C12Q 1/689* ( 2018.01 )  
*A61P 15/08* ( 2006.01 )  
*G16B 20/00* ( 2019.01 )  
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(72) SANCHES, Bruno Valente; BISHOP, Michael D.; BONILLA, Luciano; ZANGIROLAMO, Amanda Fonseca  
(74) Houlihan<sup>2</sup> Pty Ltd
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(11) AU-A-2019470183  
(21) 2019470183 (22) 15.10.2019  
(54) Atraumatic removable cell encapsulation devices  
(51) Int. Cl.  
*A61F 2/02* ( 2006.01 )  
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(43) 22.04.2021  
(72) CULLY, Edward H.  
(74) Griffith Hack
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(11) AU-A-2020363978  
(21) 2020363978 (22) 09.10.2020  
(54) Cell encapsulation devices  
(51) Int. Cl.  
*A61F 2/02* ( 2006.01 )
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(72) SCOTTI, Christine M.; CULLY, Edward H.  
(74) Griffith Hack
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- (71) Wakonig, M.  
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(21) 2020367203 (22) 14.10.2020  
(54) Noise control device  
(51) Int. Cl.  
*H02S 20/21* ( 2014.01 )  
*E01F 8/00* ( 2006.01 )  
(87) WO2021/072467  
(31) A 50877/2019 (32) 14.10.19 (33) AT  
(43) 22.04.2021  
(72) WAKONIG, Martin  
(74) FB Rice Pty Ltd
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- (71) Waterdale Secure Gaming Pty Ltd  
(11) AU-A-2020365760  
(21) 2020365760 (22) 17.10.2020  
(54) An improved token  
(51) Int. Cl.  
*G06K 19/04* ( 2006.01 )  
*A44C 21/00* ( 2006.01 )  
*G07F 1/06* ( 2006.01 )  
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(31) 2019903915 (32) 17.10.19 (33) AU  
(43) 22.04.2021  
(72) KEAYS, Gregory Kenneth  
(74) Anderson IP
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- (71) Wayne Fueling Systems LLC  
(11) AU-A-2020349474  
(21) 2020349474 (22) 16.09.2020  
(54) Optimizing utilization and marketing of car washes  
(51) Int. Cl.  
*G06Q 30/02* ( 2012.01 )  
*G06Q 50/30* ( 2012.01 )  
*H04L 65/40* ( 2022.01 )  
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(31) 62/902,028 (32) 18.09.19 (33) US  
(43) 25.03.2021  
(72) GUNDAPPA, Sangamesh; KRISHNA, Anand; VERMA, Raghav; SUNDRIYAL, Shubhankar; GUPTA, Om Prakash; HAIRSTON, Hob; FIEGLEIN, Henry  
(74) Davies Collison Cave Pty Ltd
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- (71) Welltec Oilfield Solutions AG  
(11) AU-A-2020344901  
(21) 2020344901 (22) 10.09.2020  
(54) Annular barrier system  
(51) Int. Cl.  
*E21B 33/124* ( 2006.01 )  
*E21B 33/127* ( 2006.01 )  
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(31) 19196832.0 (32) 11.09.19 (33) EP  
(43) 18.03.2021  
(72) VASQUES, Ricardo Reves  
(74) Spruson & Ferguson
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- (71) WH Mechanical Engineering Inc.; Xue, W.  
(11) AU-A-2019466774  
(21) 2019466774 (22) 26.09.2019  
(54) An apparatus, method and article for maximizing solar charge current through the use of split wire(s) in a solar array with solar panels connected in the combination of series and parallel  
(51) Int. Cl.  
*H02S 40/36* ( 2014.01 )  
*H02J 7/35* ( 2006.01 )  
*H02S 40/38* ( 2014.01 )  
(87) WO2021/051186  
(31) 3,055,454 (32) 16.09.19 (33) CA  
(43) 25.03.2021  
(72) XUE, Weihai  
(74) FPA Patent Attorneys Pty Ltd
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- (71) Willetts, C.  
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(21) 2020337734 (22) 31.08.2020  
(54) Concealed storage unit  
(51) Int. Cl.  
*A47B 88/80* ( 2017.01 )  
(87) WO2021/040542  
(31) 2019903160 (32) 29.08.19 (33) AU  
(43) 04.03.2021  
(72) WILLETTS, Colin Daniel  
(74) Catalyst Intellectual Property
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- (71) Wing Aviation LLC  
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(21) 2020375559 (22) 03.09.2020  
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*G06K 9/00* ( 2006.01 )  
*G06K 9/62* ( 2006.01 )  
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(54) Stroller frame and stroller  
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*B62B 7/06* ( 2006.01 )  
*B62B 7/10* ( 2006.01 )  
*B62B 9/08* ( 2006.01 )  
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(54) Child stroller apparatus  
(51) Int. Cl.

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**(43)** 03.06.2021  
**(72)** HORST, Andrew J.; MA, Andrew;  
 SACK, Daniel A.  
**(74)** Spruson & Ferguson
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**(11)** AU-A-2020342202  
**(21)** 2020342202 **(22)** 04.09.2020  
**(54)** Pyrimidine compound and preparation method therefor  
**(51)** Int. Cl.  
**C07D 255/00** ( 2006.01 )  
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**A61P 19/02** ( 2006.01 )  
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 WEI, Wenjun; LEI, Sijun; DING, Xiaohua;  
 ZANG, Yang; SUN, Hongna; FU, Qiangqiang  
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 DUAN, Houli  
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**(51)** Int. Cl.  
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**(51)** Int. Cl.  
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**C02F 1/44** ( 2006.01 )  
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**C07K 16/44** ( 2006.01 )  
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**C12N 15/10** ( 2006.01 )  
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- (71)** Yissum Research Development Company of the Hebrew University of Jerusalem Ltd.  
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**(54)** Treatment of genetic diseases characterized by unstable mRNAs  
**(51)** Int. Cl.  
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**A61P 45/06** ( 2006.01 )  
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**(72)** KARNI, Rotem; AMAR-SCHWARTZ, Adi  
**(74)** Collison & Co
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- (71)** Zebra Technologies Corporation  
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**(54)** Bioptic barcode readers  
**(51)** Int. Cl.  
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 HANDSHAW, Darran Michael  
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**(51)** Int. Cl.  
**G06K 17/00** ( 2006.01 )  
**G06K 7/10** ( 2006.01 )



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**G06M 1/10** ( 2006.01 )  
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(21) 2020346008 (22) 26.05.2020  
(54) Anti CD70 CAR-T cell, and preparation method therefor and use thereof  
(51) Int. Cl.  
**C12N 5/10** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
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(51) Int. Cl.  
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**F17D 1/14** ( 2006.01 )  
**F22B 1/00** ( 2006.01 )  
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- (71) Zoomlion Intelligent Access Machinery Co., Ltd.  
(11) AU-A-2019468904  
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(54) Anti-extrusion device for movable operating platform, push-rod-type anti-extrusion device, and high-altitude operation machine  
(51) Int. Cl.  
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**B66F 11/04** ( 2006.01 )
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(72) REN, Huili; ZHONG, Yi; XU, Yunhai; LONG, Yeguo; GU, Junjie; XIONG, Lu  
(74) Michael Buck IP
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(21) 2020348800 (22) 16.09.2020  
(54) Digital pre-distortion method for multi-band signal, and electronic device and readable storage medium  
(51) Int. Cl.  
**H04L 25/49** ( 2006.01 )
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(11) AU-A-2020358664  
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(54) Methods and apparatus for receiving and transmitting reference signals  
(51) Int. Cl.  
**H04L 5/00** ( 2006.01 )
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(43) 08.04.2021  
(72) GAO, Bo; LU, Zhaohua; LI, Yu Ngok; YAO, Ke  
(74) Davies Collison Cave Pty Ltd

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<b>2019459217</b>	Babyation Inc.	<b>2020338368</b>	Hebei Liche Zhuoge New Materials Co., Ltd;
<b>2019464148</b>	77 Vision Way Ltd		MyAirShield, Limited
<b>2019464494</b>	The University of North Carolina at Charlotte; OncoTab, Inc.	<b>2020338816</b>	Idorsia Pharmaceuticals Ltd
<b>2019464640</b>	MI Robotic Solutions S.A.	<b>2020338981</b>	Janssen Biotech, Inc.
<b>2019464917</b>	ADTRAN GmbH	<b>2020338985</b>	Janssen Biotech, Inc.
<b>2019464927</b>	Max-Planck-Gesellschaft zur Förderung der Wissenschaften e.V.	<b>2020339086</b>	Janssen Biotech, Inc.
<b>2019466774</b>	WH Mechanical Engineering Inc.; Xue, W.	<b>2020339559</b>	Nanjing Legend Biotech Co., Ltd.
<b>2019467252</b>	Aquedon Medical, Inc.	<b>2020339657</b>	OxyMem Limited
<b>2019467280</b>	ViaSat, Inc.	<b>2020339849</b>	Combined Separation Systems Pty Ltd
<b>2019467765</b>	Trilliant Surgical LLC	<b>2020339867</b>	Redasani, V.
<b>2019467894</b>	Deutsch, D.	<b>2020340176</b>	Chugai Seiyaku Kabushiki Kaisha
<b>2019468128</b>	Kimberly-Clark Worldwide, Inc.	<b>2020340379</b>	Barnaal, E.
<b>2019468769</b>	Dow Global Technologies LLC; Rohm and Haas Company	<b>2020340383</b>	Kleinfeld, A.
<b>2019468802</b>	Nokia Technologies Oy	<b>2020340444</b>	Lygos, Inc.
<b>2019468904</b>	Zoomlion Intelligent Access Machinery Co., Ltd.	<b>2020340477</b>	The University of British Columbia
<b>2019469060</b>	R.P. Scherer Technologies, LLC	<b>2020340987</b>	Arcturus Therapeutics, Inc.
<b>2019469069</b>	LG Electronics Inc.	<b>2020341121</b>	Alparis, S.A. de C.V.
<b>2019469120</b>	Miyazato, Y.; Winstar Development Group; The Bizser Co., Ltd.	<b>2020341184</b>	Adama Makhteshim Ltd.
<b>2019470010</b>	Bejo Zaden B.V.	<b>2020341193</b>	GK8 Ltd
<b>2019470058</b>	Monocrom S.L.	<b>2020341482</b>	Metronom Health, Inc.
<b>2019470183</b>	W.L. Gore & Associates, Inc.	<b>2020341840</b>	Benson Hill, Inc.
<b>2019471214</b>	Techtronic Cordless GP	<b>2020341845</b>	CoLabs Medical, Inc.
<b>2019473233</b>	Green Cross Corporation; Mogam Institute for Biomedical Research	<b>2020341965</b>	Beijing Roborock Technology Co., Ltd.
<b>2019473379</b>	N.V. Nutricia	<b>2020342172</b>	Choo, H.
<b>2019473410</b>	Howmet Aerospace Inc.	<b>2020342202</b>	Wuhan Humanwell Innovative Drug Research and Development Center Limited Company
<b>2019474415</b>	Inotech Kunststofftechnik GmbH	<b>2020342483</b>	Pharma Mar, S.A.
<b>2019477296</b>	Chiesi Farmaceutici S.p.A.	<b>2020342532</b>	Parker, J.
<b>2019477990</b>	Halliburton Energy Services, Inc.	<b>2020342706</b>	Botalys SA
<b>2020332026</b>	Shenyang Pharmaceutical University	<b>2020342713</b>	AstraZeneca AB
<b>2020334360</b>	RYW Holdings Pty Ltd	<b>2020343016</b>	Amare Global
<b>2020334701</b>	Husqvarna AB	<b>2020343033</b>	Amare Global
<b>2020335027</b>	Trisco ICAP Pty Ltd	<b>2020343116</b>	Smarta Industrial Pty Ltd
<b>2020335030</b>	Rubicon Research Pty Ltd	<b>2020343244</b>	The Trustees of Princeton University
<b>2020335147</b>	Charles, R.	<b>2020343339</b>	Tineco Intelligent Technology Co., Ltd.
<b>2020335220</b>	Nyxoah SA	<b>2020343418</b>	Synthes GmbH
<b>2020335354</b>	DePuy Synthes Products, Inc.	<b>2020343497</b>	Richter Gedeon Nyrt.
<b>2020335399</b>	Chairman, Defence Research & Development Organisation (DRDO)	<b>2020343506</b>	I.V.A.R. S.p.A.
<b>2020335420</b>	Nippon Steel Corporation	<b>2020343673</b>	Mattur, LLC
<b>2020335736</b>	XLifeSc, Ltd.	<b>2020343691</b>	Revelle Aesthetics, Inc.
<b>2020335801</b>	Advanchl Biotechnology Service Center (Shanghai)	<b>2020343699</b>	Sports Data Labs, Inc.
<b>2020335843</b>	LG Electronics Inc.	<b>2020343703</b>	Crane Payment Innovations, Inc.
<b>2020335853</b>	SCR Engineers Limited	<b>2020343721</b>	Energyn Pty Ltd
<b>2020335909</b>	Baylor College of Medicine	<b>2020343788</b>	Shenyang Sinochem Agrochemicals R&D Co., Ltd.; Jianguo Yangnong Chemical Co., Ltd.
<b>2020336112</b>	TEGA Therapeutics, Inc.	<b>2020343826</b>	Commonwealth Scientific and Industrial Research Organisation
<b>2020336115</b>	Exact Sciences Corporation; Mayo Foundation for Medical Education and Research	<b>2020343829</b>	Beijing Tusen Zhitu Technology Co., Ltd.
<b>2020336272</b>	Terns, Inc.	<b>2020343938</b>	Sodybo Ltd.
<b>2020336320</b>	Aerostar International, Inc.	<b>2020344164</b>	CSL Behring Lengnau AG
<b>2020336442</b>	Schlage Lock Company LLC	<b>2020344256</b>	ResMed Sensor Technologies Limited; ResMed Pty Ltd
<b>2020336450</b>	HOVER Inc.	<b>2020344551</b>	CytImmune Therapeutics, Inc.
<b>2020336470</b>	Owens Corning Intellectual Capital, LLC	<b>2020344608</b>	The Johns Hopkins University
<b>2020336509</b>	Ishikawa, K.; Gc Corporation	<b>2020344685</b>	Aldeyra Therapeutics, Inc.
<b>2020336992</b>	Yale University	<b>2020344704</b>	InMotus Medical LLC
<b>2020337069</b>	Contamination Source Identification LLC	<b>2020344762</b>	Jiangyin Usun Pharmaceutical Co., Ltd.
<b>2020337115</b>	Ciechulski, A.	<b>2020344901</b>	Welltec Oilfield Solutions AG
<b>2020337347</b>	Bishop Ascendant, Inc.	<b>2020344976</b>	MyLaps B.V.
<b>2020337625</b>	LG Electronics Inc.	<b>2020345300</b>	Nippon Steel Corporation
<b>2020337710</b>	LG Electronics Inc.	<b>2020345320</b>	Stella Pharma Corporation
<b>2020337712</b>	LG Electronics Inc.	<b>2020345776</b>	Preformed Line Products Co.; Briskey, A.; Levac, D.; Johnson, D.; Jones, J.
<b>2020337734</b>	Willets, C.	<b>2020345844</b>	Preformed Line Products Co.; Briskey, A.; Levack, D.; Johnson, D.; Jones, J.; Ma, M.; Becker, M.
<b>2020338285</b>	Forkbeard Technologies AS	<b>2020345858</b>	Swinburne University of Technology
		<b>2020346008</b>	Zhejiang Blue Shield Pharmaceutical Co., Ltd.
		<b>2020346064</b>	The United States of America, as represented by the Secretary, Department of Health & Human Services

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<b>2020346338</b>	Centre National de la Recherche Scientifique; Université de Montpellier; Ecole Nationale Supérieure de Chimie de Montpellier; Politecnico di Torino	<b>2020351168</b>	Children's Medical Center Corporation
<b>2020346414</b>	BioVersys AG	<b>2020351205</b>	IGM Biosciences, Inc.
<b>2020346456</b>	Takeda Pharmaceutical Company Limited	<b>2020351229</b>	Innovative Health Sciences, LLC
<b>2020346457</b>	University of South Africa	<b>2020351246</b>	New Generation Devices, Inc.
<b>2020346784</b>	Rite-Hite Holding Corporation	<b>2020351459</b>	Sound Fun Corporation
<b>2020346819</b>	University of Louisville Research Foundation, Inc.	<b>2020351474</b>	Daikin Industries, Ltd.
<b>2020346886</b>	Memorial Sloan-Kettering Cancer Center; Tri-Institutional Therapeutics Discovery Institute, Inc.; Sloan-Kettering Institute for Cancer Research; Memorial Hospital for Cancer and Allied Diseases	<b>2020351586</b>	Li-S Energy Limited
<b>2020347018</b>	Senelix Co., Ltd.	<b>2020351715</b>	3M Innovative Properties Company
<b>2020347259</b>	The Johns Hopkins University	<b>2020351734</b>	Genentech, Inc.
<b>2020347390</b>	ENABL A/S	<b>2020351765</b>	OpenEdge Payments LLC
<b>2020347536</b>	BioVersys AG	<b>2020351794</b>	Joby Aero, Inc.
<b>2020347561</b>	Pfizer Inc.	<b>2020351804</b>	Memorial Sloan Kettering Cancer Center; Board of Trustees of Michigan State University
<b>2020347578</b>	Takeda Pharmaceutical Company Limited	<b>2020351825</b>	Presagen Pty Ltd
<b>2020347749</b>	Vetco Gray Scandinavia AS	<b>2020351835</b>	DSS Research Inc.
<b>2020347794</b>	Safran Electronics & Defense	<b>2020351995</b>	Keeson Technology Corporation Limited
<b>2020347874</b>	Eyonic Pty Limited	<b>2020352258</b>	Zhejiang Cosin Solar Technology Co., Ltd.
<b>2020347958</b>	Xylem Water Solutions U.S.A., Inc.	<b>2020352269</b>	Huawei Technologies Co., Ltd.
<b>2020348290</b>	Chen, D.; Malcolm, T.	<b>2020352311</b>	Shanghai Meiyue Biotech Development Co., Ltd.
<b>2020348401</b>	Overkill Motorsports, Inc.	<b>2020352333</b>	Be Green Packaging Co., Ltd.
<b>2020348670</b>	Caterpillar Inc.	<b>2020352432</b>	Huawei Technologies Co., Ltd.
<b>2020348675</b>	Takeda Pharmaceutical Company Limited	<b>2020352446</b>	Huawei Technologies Co., Ltd.
<b>2020348678</b>	Afiniti, Ltd.	<b>2020352516</b>	PMV Pharmaceuticals, Inc.
<b>2020348685</b>	Dice Alpha, Inc.	<b>2020352530</b>	Battelle Memorial Institute
<b>2020348744</b>	Quanex IG Systems, Inc.	<b>2020352589</b>	Fraunhofer-Gesellschaft Zur Förderung Der Angewandten Forschung E.V.
<b>2020348754</b>	Koda Therapeutics, LLC	<b>2020352641</b>	K-Gen, Inc.
<b>2020348781</b>	Purdue Research Foundation	<b>2020352662</b>	Schott AG
<b>2020348787</b>	Goble, E.	<b>2020352749</b>	Technische Universiteit Delft
<b>2020348800</b>	ZTE Corporation	<b>2020352830</b>	MasterCard International Incorporated
<b>2020348813</b>	Shenzhen Salubris Pharmaceuticals Co. Ltd	<b>2020352890</b>	Kellum, S.; Fitzner, A.
<b>2020348841</b>	Avation Medical, Inc.	<b>2020352892</b>	Huawei Technologies Co., Ltd.
<b>2020348872</b>	The Broad Institute, Inc.; Massachusetts Institute of Technology	<b>2020352893</b>	Huawei Technologies Co., Ltd.
<b>2020348879</b>	The Broad Institute, Inc.; Massachusetts Institute of Technology	<b>2020352900</b>	Huawei Technologies Co., Ltd.
<b>2020348973</b>	Thaller, A.	<b>2020352903</b>	Huawei Technologies Co., Ltd.
<b>2020349081</b>	Animal Dynamics Ltd	<b>2020352905</b>	Huawei Technologies Co., Ltd.
<b>2020349082</b>	Triage Technologies Inc.	<b>2020352914</b>	Huawei Technologies Co., Ltd.
<b>2020349263</b>	University of Fukui; Maruho Co., Ltd.	<b>2020352978</b>	Hollister Incorporated
<b>2020349353</b>	Mereo Biopharma 4 Limited; Duke University; National Cancer Institute	<b>2020353005</b>	Nanjing Zhengxiang Pharmaceuticals Co., Ltd.
<b>2020349404</b>	Erthos, Inc.	<b>2020353006</b>	The Lubrizol Corporation
<b>2020349430</b>	Progress Rail Services Corporation	<b>2020353077</b>	Iowa Corn Promotion Board
<b>2020349443</b>	CareFusion 303, Inc.	<b>2020353078</b>	InCube Labs, LLC
<b>2020349474</b>	Wayne Fueling Systems LLC	<b>2020353079</b>	Bristol-Myers Squibb Company
<b>2020349481</b>	Figene, LLC	<b>2020353092</b>	Bionet Sonar
<b>2020349508</b>	East End Medical, LLC	<b>2020353133</b>	Alfa Laval Corporate AB
<b>2020349512</b>	Memorial Sloan-Kettering Cancer Center	<b>2020353149</b>	President and Fellows of Harvard College
<b>2020349545</b>	The Coca-Cola Company	<b>2020353178</b>	Regeneron Pharmaceuticals, Inc.
<b>2020349558</b>	Derrick Corporation	<b>2020353179</b>	The Coca-Cola Company
<b>2020349748</b>	Xi'an Longi Green Energy Architecture Technology Co., Ltd.	<b>2020353182</b>	Beijing Starmab Biomed Technology Ltd; Liang, Y.
<b>2020350055</b>	Metso Outotec Finland Oy	<b>2020353222</b>	Ecole Polytechnique Federale de Lausanne (EPFL)
<b>2020350491</b>	S.B. Patent Holding ApS	<b>2020353233</b>	Mayo Foundation for Medical Education and Research
<b>2020350500</b>	HT Materials Science (IP) Limited	<b>2020353255</b>	Institut Químic de Sarrià Cets Fundació Privada; Hospital Clínic de Barcelona
<b>2020350671</b>	Span.IO, Inc.	<b>2020353367</b>	Yissum Research Development Company of the Hebrew University of Jerusalem Ltd.
<b>2020350677</b>	Actinium Pharmaceuticals, Inc.	<b>2020353380</b>	Presagen Pty Ltd
<b>2020350684</b>	Spee-Dee Packaging Machinery, Inc.	<b>2020353385</b>	Commonwealth Steel Company Pty Ltd
<b>2020350711</b>	Abbott Rapid Diagnostics International Unlimited Company; The Regents of the University of California	<b>2020353387</b>	Grenof Pty Ltd
<b>2020350715</b>	Gmax Biopharm LLC	<b>2020353660</b>	Orionis Biosciences, Inc.
<b>2020350767</b>	Ancilia, Inc.; Washington University	<b>2020353666</b>	Vapotherm, Inc.
<b>2020350778</b>	Seaman Paper Company of Massachusetts, Inc.	<b>2020353674</b>	Ancora Heart, Inc.
<b>2020350815</b>	Caterpillar (NI) Limited	<b>2020353676</b>	PTC Therapeutics Mp, Inc.
<b>2020350816</b>	Caterpillar Global Mining Europe GmbH	<b>2020353683</b>	Schvey, Inc. D/B/A Axoni
<b>2020350856</b>	Margaritelli Ferroviaria S.P.A.	<b>2020353685</b>	Miraki Innovation Think Tank, LLC
<b>2020350979</b>	Vetco Gray Scandinavia AS	<b>2020353696</b>	Sheltered Wings, Inc. d/b/a Vortex Optics
<b>2020350983</b>	Brita GmbH	<b>2020354000</b>	Wuxi Hisky Medical Technologies Co., Ltd.
		<b>2020354148</b>	LG Electronics Inc.
		<b>2020354305</b>	Huawei Technologies Co., Ltd.
		<b>2020354306</b>	Huawei Technologies Co., Ltd.
		<b>2020354345</b>	Mimica Lab Ltd
		<b>2020354354</b>	Additive Implants, Inc.
		<b>2020354368</b>	Huawei Technologies Co., Ltd.

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2020354384	Huawei Technologies Co., Ltd.	2020357462	Telefonaktiebolaget LM Ericsson (publ)
2020354401	InterDigital VC Holdings France, SAS	2020357487	Becton, Dickinson and Company
2020354411	Trince BV	2020357494	BAKC Capital Group
2020354470	RCM Enterprise L.L.C.	2020357567	Columbus Photovoltaics LLC
2020354487	Anova Applied Electronics, Inc.	2020357579	MasterCard International Incorporated
2020354534	Angelini S.p.A.	2020357584	Bettcher Industries, Inc.
2020354551	Element Biosciences, Inc.	2020357800	Seelos Therapeutics, Inc.
2020354580	The Lubrizol Corporation	2020357801	Yale University
2020354634	Aardvark Therapeutics Inc.	2020357816	Sigma-Aldrich Co. LLC; Washington University
2020354645	Kellogg Company	2020357818	Durect Corporation
2020354648	Jumpcode Genomics, Inc.	2020357847	10X Genomics, Inc.
2020354654	Regents of the University of Minnesota	2020357860	ConocoPhillips Company
2020354687	SCPI	2020357893	Empyrean Neuroscience, Inc.
2020354782	Paget, M.	2020357900	G4S Monitoring Technologies Limited
2020354787	Starpharma Pty Ltd	2020357903	LPW Technology Ltd
2020354788	Australian Valve Group Pty Ltd	2020357969	Empyrean Neuroscience, Inc.
2020354942	Texas Institute of Science, Inc.	2020357978	The Regents of the University of Michigan
2020354943	Quest Integrity Group, LLC	2020357994	FMC Corporation; FMC Agro Singapore Pte. Ltd.
2020354946	Aquent LLC; Carlson, B.	2020358081	Bioaesthetics Corporation
2020355080	Beijing Kimway Biotech Co. Ltd	2020358089	Intelligent Agricultural Solutions LLC
2020355089	Hennessy Gift Wrap, Inc.	2020358175	Huawei Technologies Co., Ltd.
2020355094	The Board of Regents of the University of Texas System	2020358454	UPL Corporation Limited; UPL Europe Ltd
2020355125	The Rockefeller University	2020358539	Neusco Biotech Limited
2020355159	Xu, W.	2020358664	ZTE Corporation
2020355221	BWXT Isotope Technology Group, Inc.	2020358717	Encore Medical, LP DBA DJO Surgical
2020355343	Pfizer Inc.	2020358725	TurtleTree Labs Pte. Ltd.
2020355348	Sonos, Inc.	2020358757	Alkion BioInnovations
2020355349	GeoQuest Systems B.V.	2020358768	Verisure Sàrl
2020355366	Be Green Packaging Co., Ltd.	2020358775	GlaxoSmithKline Biologicals SA
2020355401	Pfizer Inc.	2020358796	LPW Technology Ltd
2020355408	Beewise Technologies Ltd	2020358797	Longas Technologies Pty Ltd
2020355416	Neutrik AG	2020358836	Arxada AG
2020355443	L'Air Liquide Societe Anonyme pour l'Etude et l'Exploitation des Procèdes Georges Claude	2020358856	Beta Bionics, Inc.
2020355510	ALSTOM Holdings	2020358862	Janssen Vaccines & Prevention B.V.; The University of Chicago
2020355591	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	2020358869	Starton Therapeutics, Inc.
2020355614	GlaxoSmithKline Intellectual Property Development Limited	2020358898	EpsilonGen Ltd
2020355846	Be Green Packaging Co., Ltd.	2020358901	Fronius International GmbH
2020356148	Neutrik AG	2020358970	Stealth Biotherapeutics Inc.
2020356280	Huawei Technologies Co., Ltd.	2020359005	Vytelle, LLC
2020356300	Huawei Technologies Co., Ltd.	2020359056	UPL Corporation Limited; UPL Europe Ltd
2020356303	Merck Sharp & Dohme Corp.	2020359087	Tevet Water Technologies Ltd.
2020356348	Sentinel Oncology Limited	2020359295	Disease Advisor Pty Ltd
2020356360	PepsiCo, Inc.	2020359501	Brother Kogyo Kabushiki Kaisha
2020356363	Huawei Technologies Co., Ltd.	2020359524	Savant Systems, Inc.
2020356372	MAKO Surgical Corp.	2020359532	Becton, Dickinson and Company
2020356396	The Trustees of Indiana University	2020359596	Dai Nippon Printing Co., Ltd.
2020356399	Hollister Incorporated	2020359624	Shurtape Technologies, LLC
2020356415	Sistemas Técnicos de Encofrados, S.A	2020359626	MAKO Surgical Corp.
2020356429	bioMérieux; Bioaster; Hospices Civils de Lyon	2020360102	LG Electronics Inc.
2020356435	Semita.me Ltd	2020360113	EBI Anti Sepsis B.V.
2020356455	Mirati Therapeutics, Inc.	2020360149	Qualcomm Incorporated
2020356460	Dow Global Technologies LLC; Rohm and Haas Company	2020360165	Square, Inc.
2020356543	CoreLink, LLC	2020360221	Pfatch, Inc.
2020356575	Disc Medicine, Inc.	2020360325	MAKO Surgical Corp.
2020356605	S.I.S. Shulov Innovative Science Ltd.	2020360341	Dai, A.
2020356621	Sigilon Therapeutics, Inc.	2020360403	MonoSol, LLC
2020356626	Arterez, Inc.	2020360409	Axon Enterprise, Inc.
2020356637	Voxie Ventures LLC	2020360413	Arena Pharmaceuticals, Inc.
2020356726	Pritchard, J.	2020360532	Isobionics B.V.
2020356733	Sheldon, B.	2020360550	BASF SE
2020356952	Beta Bionics, Inc.	2020360767	Saint-Gobain Glass France
2020356955	Seagen Inc.	2020360778	BASF SE
2020356962	Sangamo Therapeutics, Inc.	2020360849	SciRhom GmbH; New York Society for the Relief of the Ruptured and Crippled, Maintaining the Hospital for Special Surgery
2020356981	Dai Nippon Printing Co., Ltd.	2020360874	Verisure Sàrl
2020357049	Voyager Biomedical, Inc.	2020360928	Nippon Chemphar Co., Ltd.
2020357088	Living Proof, Inc.	2020360962	EpsilonGen Ltd
2020357455	Brown, K.; McGuire, M.; Li, S.; Venugopal, I.; Allred, C.	2020361060	LPW Technology Ltd
		2020361082	Babraham Institute
		2020361324	Parenchyma Biotech Inc.

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2020361417	Telefonaktiebolaget LM Ericsson (publ)	2020368600	Fast IP, LLC
2020361481	Universität Heidelberg	2020368897	Boston Scientific Neuromodulation Corporation
2020361502	Trustees of Boston University	2020369029	Cessatech A/S
2020361511	Piedmont Animal Health Inc.	2020369070	Siemens Energy Global GmbH & Co. KG
2020361592	SDB IP Holdings, LLC	2020369082	Societe des Produits Nestle S.A.
2020361620	Prodeon Medical Corporation	2020369165	Wonderland Switzerland AG
2020361623	Greeneden U.S. Holdings II, LLC	2020369484	Corn Products Development, Inc.
2020361652	Imperial College Innovations Limited	2020369510	Ocuflow, LLC; Crane Dubois, R.
2020361728	Alcon Inc.	2020369569	Amgen Inc.
2020361878	Ishihara Sangyo Kaisha, Ltd.	2020369579	TaiGen Biotechnology Co., Ltd.
2020362084	Silverpack, LLC	2020369678	Battelle Memorial Institute
2020362216	S&N Orion Prime, S.A.	2020369806	Vestas Wind Systems A/S
2020362546	Staff Holdings Pty Ltd	2020369847	Boston Scientific Neuromodulation Corporation
2020362710	CRRC Yangtze Co., Ltd.	2020369912	Actelion Pharmaceuticals Ltd
2020362925	Vallourec Oil and Gas France	2020370058	Seagen Inc.
2020362953	Atriva Therapeutics GmbH	2020370254	The Trustees of Columbia University in the City of New York
2020362956	LEO Pharma A/S	2020370590	Phitonex, Inc.
2020362958	Gyroscope Therapeutics Limited	2020371382	Orizuru Therapeutics, Inc.
2020362959	ConvaTec Limited	2020371415	LG Electronics Inc.
2020363041	Nectin Therapeutics Ltd.	2020371533	Colgate-Palmolive Company
2020363051	China Petroleum & Chemical Corporation; Shanghai Research Institute of Petrochemical Technology, SINO-PEC	2020371852	IFP Energies nouvelles
2020363053	China Petroleum & Chemical Corporation; Shanghai Research Institute of Petrochemical Technology, SINO-PEC	2020372131	Toray Industries, Inc.
2020363389	Drugarray, Inc.	2020372257	Huawei Technologies Co., Ltd.
2020363394	Lone Gull Holdings, Ltd.	2020372313	Snap-on Incorporated
2020363436	Notnodi Pty Ltd	2020372469	Qingdao KingAgroot Chemical Compound Co., Ltd.
2020363641	Nexxspan Healthcare, LLC	2020372554	Heraeus Deutschland GmbH & Co. KG
2020363824	R.P. Scherer Technologies, LLC	2020372972	Anemorix, LLC
2020363873	Principia Biopharma Inc.	2020373330	Nokia Technologies Oy
2020363883	Consolidated Metco, Inc.	2020374372	Epiroc Drilling Tools Aktiebolag
2020363962	The Scripps Research Institute	2020374405	Chrysea Limited
2020363978	W.L. Gore & Associates, Inc.	2020374874	Boddie, M.; Sama, B.
2020364034	Oy Karl Fazer AB	2020375011	Protechna S.A.
2020364093	Genentech, Inc.; Xencor, Inc.	2020375167	Solar Foods Oy
2020364118	Heptares Therapeutics Limited	2020375272	Toray Industries, Inc.
2020364157	BlueRock Therapeutics LP	2020375559	Wing Aviation LLC
2020364248	Alnylam Pharmaceuticals, Inc.	2020376090	Shanghai Hansoh Biomedical Co., Ltd.; Jiangsu Hansoh Pharmaceutical Group Co., Ltd.
2020364515	NanoLayr Limited	2020376483	Industrie de Nora S.p.A.
2020364524	RoPhi AB	2020376487	Chrysea Limited
2020364930	Cellresearch Corporation Pte. Ltd.; The Regents of the University of Colorado	2020376582	HIT Research Institute Corporation
2020365518	Cancer Research Technology Limited; The Institute of Cancer Research: Royal Cancer Hospital	2020376887	Boston Scientific Scimed, Inc.; The Trendlines Group Ltd
2020365665	Osaka University	2020376927	The General Hospital Corporation
2020365760	Waterdale Secure Gaming Pty Ltd	2020376970	Prime X Connect Pty Ltd
2020365850	BNSF Railway Company	2020377079	Prevayl Innovations Limited
2020366237	Quicksilver Scientific, Inc.	2020377529	Bullfix Ltd
2020366286	Terex Australia Pty Ltd	2020379292	Caffitaly System S.p.A.
2020366341	Bright Applied Products Corporation	2020379738	Adjuvance Technologies, Inc.
2020366376	Devicor Medical Products, Inc.	2020380134	Zebra Technologies Corporation
2020366423	Amgen Inc.	2020380275	Synthorx, Inc.
2020366711	AO Technology AG	2020380573	Sandvik Mining and Construction Tools AB; Sandvik Mining and Construction Australia Pty Ltd
2020366996	Sandvik SRP AB	2020381168	Heptares Therapeutics Limited
2020367014	Heidelberg Pharma Research GmbH	2020381775	Sanifit Therapeutics, S.A.
2020367092	Razer (Asia-Pacific) Pte. Ltd.	2020381893	Dentsply Sirona Inc.; Sirona Dental Systems GmbH
2020367203	Wakonig, M.	2020382540	The Toro Company
2020367204	Aucentra Therapeutics Pty Ltd	2020382918	SPEX Group Holdings Limited
2020367208	NewSouth Innovations Pty Limited	2020382929	Dentsply Sirona Inc.; Sirona Dental Systems GmbH
2020367242	Janssen Vaccines & Prevention B.V.	2020383933	Alcon Inc.
2020367368	AGC Glass Europe	2020384729	Boehringer Ingelheim International GmbH
2020367403	Alkermes Pharma Ireland Limited	2020384824	Gbiologics Inc.
2020367732	Becton, Dickinson and Company	2020384913	SPEX Group Holdings Limited
2020367767	University of Florida Research Foundation, Incorporated	2020385399	Veris Health Inc.
2020367769	Corcept Therapeutics Incorporated	2020385596	Vectura Delivery Devices Limited
2020368057	DePuy Synthes Products, Inc.	2020388243	Viper Innovations Limited
2020368344	Figene, LLC	2020388433	Société des Produits Nestlé S.A.
2020368434	TraFFix Devices, Inc.	2020389149	Lone Gull Holdings, Ltd.
2020368576	Ecole polytechnique federale de Lausanne (EPFL)	2020391923	Wonderland Switzerland AG
		2020393367	F. Hoffmann-La Roche AG
		2020393794	Lawrence Equipment Inc.
		2020396932	Boston Scientific SciMed, Inc.

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2020397227	Credentis AG
2020400061	Corcept Therapeutics Incorporated
2020405493	Zebra Technologies Corporation
2020405996	Philip Morris Products S.A.
2020406565	Babyliss Faco Srl
2020408107	Nuevolution A/S
2020409381	LG Energy Solution, Ltd.
2020410225	Sika Technology AG
2020410549	Alar Pharmaceuticals Inc.
2020411489	TerraPower, LLC
2020412229	Sika Technology AG
2020412339	Capital One Services, LLC
2020412481	TerraPower, LLC
2020414353	Raytheon Company
2020414620	Komatsu Ltd.
2020415273	Massachusetts Eye And Ear Infirmary; The Regents of the University of California
2020418425	Emory University
2020418632	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
2020447264	Mixi, Inc.
2020450853	NorthEastern University
2020466993	Vivid Robotics, Inc.
2021209832	Becton, Dickinson and Company
2021224835	Atlas Elektronik GmbH; thyssenkrupp AG
2021225837	Twilio Inc.
2021227402	Bühlmann Laboratories AG
2021235115	Mixi, Inc.
2021261058	Sepro Mineral Systems Corp.
2021279606	Mixi, Inc.
2021333530	ByHealth Co., Ltd.
2021333849	Hindustan Petroleum Corporation Limited
2021336098	Hindustan Petroleum Corporation Limited
2021338586	Nanjing Chervon Industry Co., Ltd.
2021341568	Taurus Technologies Electric Inc.

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<b><u>A01D 34 /-</u></b>	<b><u>A01N 41 /-</u></b>	<b><u>A23G 1 /-</u></b>	<b><u>A43B 3 /-</u></b>	<b><u>A47K 7 /-</u></b>	2020367732 2020369510 2020376927 2020377079 2020385399 2021209832
2020382540	2020357994 2020359056	2020364034	2020368600	2019468128	
<b><u>A01D 75 /-</u></b>	<b><u>A01N 43 /-</u></b>	<b><u>A23J 3 /-</u></b>	<b><u>A43C 11 /-</u></b>	<b><u>A47L 11 /-</u></b>	
2020382540	2020341184 2020343788 2020357994 2020358454 2020359056 2020372469 2020418425	2019473379 2020369082	2020368600	2020341965 2020343339	<b><u>A61B 6 /-</u></b>
<b><u>A01G 25 /-</u></b>	<b><u>A01N 47 /-</u></b>	<b><u>A23K 10 /-</u></b>	<b><u>A44C 21 /-</u></b>	<b><u>A47L 5 /-</u></b>	2020340477 2020344608 2020347259
2020335030	2020341184 2020358454 2020359056 2020372469 2020418425	2020375167	2020365760	2019469069	
<b><u>A01H 1 /-</u></b>	<b><u>A01N 49 /-</u></b>	<b><u>A23L 2 /-</u></b>	<b><u>A44C 25 /-</u></b>	<b><u>A47L 9 /-</u></b>	<b><u>A61B 8 /-</u></b>
2019470010	2020341184 2020358454 2020359056	2020349545 2020353179	2020355089	2019469069 2020337625 2020371415	2020344608 2020347259 2020349508 2020353233 2020354000
<b><u>A01H 4 /-</u></b>	<b><u>A01N 51 /-</u></b>	<b><u>A23L 27 /-</u></b>	<b><u>A45D 20 /-</u></b>	<b><u>A61B 1 /-</u></b>	
2020358757	2020341184 2020358454 2020359056	2020353179	2020406565	2020353685 2020362216 2020396932	<b><u>A61B 90 /-</u></b>
<b><u>A01H 6 /-</u></b>	<b><u>A01N 53 /-</u></b>	<b><u>A23L 29 /-</u></b>	<b><u>A45D 40 /-</u></b>	<b><u>A61B 10 /-</u></b>	2020338981 2020349508
2019470010 2020358757	2020341184	2020335027 2020354645	2020363824	2020349082 2020366376 2020376887	
<b><u>A01K 29 /-</u></b>	<b><u>A01P 13 /-</u></b>	<b><u>A23L 3 /-</u></b>	<b><u>A46B 13 /-</u></b>	<b><u>A61B 17 /-</u></b>	<b><u>A61F 11 /-</u></b>
2020355408	2020358454 2020359056 2020372469	2020349545	2020337625	2019467765 2020335354 2020338981 2020343691 2020344704 2020348787 2020349508 2020351246 2020353255 2020356543 2020357049 2020360325 2020368057	2020351715 2020361511
<b><u>A01K 47 /-</u></b>	<b><u>A01P 3 /-</u></b>	<b><u>A23L 33 /-</u></b>	<b><u>A46B 15 /-</u></b>	<b><u>A61B 18 /-</u></b>	<b><u>A61F 13 /-</u></b>
2020355408	2020341184	2019473379 2020343016 2020369082 2020375167 2021333530	2020340379 2020354687	2020349082 2020366376 2020376887	2020362959
<b><u>A01K 55 /-</u></b>	<b><u>A01P 7 /-</u></b>	<b><u>A23L 5 /-</u></b>	<b><u>A46B 9 /-</u></b>	<b><u>A61B 2 /-</u></b>	
2020355408	2020357994	2020337625 2020354687	2020337625 2020354687	2019467252 2019470183 2020343418 2020344608 2020344704 2020347259 2020353674 2020354354 2020354470 2020356372 2020356543 2020358081 2020361620 2020363978 2020372972	<b><u>A61F 2 /-</u></b>
<b><u>A01K 57 /-</u></b>	<b><u>A21B 3 /-</u></b>	<b><u>A23L 7 /-</u></b>	<b><u>A47B 88 /-</u></b>	<b><u>A61B 3 /-</u></b>	
2020355408	2020354487	2020335027	2020337734	2020347874 2020369510	<b><u>A61F 9 /-</u></b>
<b><u>A01M 29 /-</u></b>	<b><u>A21C 15 /-</u></b>	<b><u>A23L 9 /-</u></b>	<b><u>A47C 16 /-</u></b>	<b><u>A61B 34 /-</u></b>	<b><u>A61G 5 /-</u></b>
2020355408	2020393794	2020335027	2020363436	2020353685 2020358717 2020359626	2020371852
<b><u>A01M 7 /-</u></b>	<b><u>A21D 13 /-</u></b>	<b><u>A23N 1 /-</u></b>	<b><u>A47C 21 /-</u></b>	<b><u>A61B 5 /-</u></b>	<b><u>A61G 7 /-</u></b>
2020358089	2020369484 2020466993	2020349545	2020351995	2020340477 2020341482 2020344256 2020347259 2020356372 2020360325 2020361502	2020363641 2020371852
<b><u>A01N 1 /-</u></b>	<b><u>A21D 2 /-</u></b>	<b><u>A23P 10 /-</u></b>	<b><u>A47C 7 /-</u></b>	<b><u>A61H 15 /-</u></b>	
2020364930	2020369484	2020354645 2020364034	2020363436	2020354782	
<b><u>A01N 25 /-</u></b>	<b><u>A22C 17 /-</u></b>	<b><u>A23P 20 /-</u></b>	<b><u>A47G 19 /-</u></b>		
2020341184 2020357994 2020360550	2020357584	2020466993	2020355366 2020355846		
<b><u>A01N 33 /-</u></b>	<b><u>A23C 19 /-</u></b>	<b><u>A24B 15 /-</u></b>	<b><u>A47G 21 /-</u></b>		
2020359056	2021333530	2020405996	2020352333		
<b><u>A01N 35 /-</u></b>	<b><u>A23C 21 /-</u></b>	<b><u>A24F 47 /-</u></b>	<b><u>A47J 31 /-</u></b>		
2020359056	2019473379	2020405996	2020379292		
<b><u>A01N 37 /-</u></b>	<b><u>A23F 5 /-</u></b>	<b><u>A43B 11 /-</u></b>			
2020353387 2020358454 2020359056	2020349545	2020368600			

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<b>A61H 31 /-</b>	2020362956	<b>A61K 39 /-</b>	2020367014	2020358081	2020353233
	2020363873		2020370590	2020371382	2020367208
2019474415	2020363962	2019464494	2020380275	2020372972	2020368576
	2020364118	2020336992		2020415273	2020368897
<b>A61J 1 /-</b>	2020364248	2020339086	<b>A61K 48 /-</b>		2020369847
	2020365518	2020339559		<b>A61L 29 /-</b>	
2020366423	2020365665	2020340176	2020336992	2020356399	<b>A61N 5 /-</b>
	2020367204	2020342713	2020340987		2020344608
<b>A61J 13 /-</b>	2020367769	2020344164	2020353222	<b>A61L 9 /-</b>	2020347259
	2020368344	2020344551	2020355080		
2019459217	2020369029	2020346008	2020357455	2020338368	<b>A61N 7 /-</b>
	2020369569	2020346819		<b>A61M 1 /-</b>	2020344608
<b>A61J 3 /-</b>	2020369579	2020347018	<b>A61K 49 /-</b>	2019459217	2020347259
	2020369912	2020348290		2020351229	
2020366423	2020370058	2020348973	2020348781	2020362959	<b>A61P 1 /-</b>
	2020372131	2020349481	2020354787	2020374874	2020350715
<b>A61J 9 /-</b>	2020376090	2020350715	<b>A61K 51 /-</b>		2020354634
	2020381168	2020351205		2020353666	2020369912
2019459217	2020381775	2020351734	2020332026	2020396932	<b>A61P 11 /-</b>
	2020388433	2020351804	2020348781	<b>A61M 11 /-</b>	
<b>A61K 31 /-</b>	2020393367	2020355401	2020350677		2020349263
	2020400061	2020355614		2020357818	2020349353
2019469060	2020408107	2020356575	<b>A61K 8 /-</b>	2020396932	2020352311
2020335801	2020410549	2020356626		<b>A61M 15 /-</b>	2020369912
2020336112	2020415273	2020357455	2019468128	<b>A61M 13 /-</b>	
2020338816	2020418425	2020358775	2020342706		2020349263
2020338985		2020358862	2020351835	2020396932	2020352311
2020339867	<b>A61K 33 /-</b>	2020361481	2020356605	<b>A61M 15 /-</b>	2020369912
2020342202		2020363041	2020357088		
2020342483	2020342713	2020364093	2020357818	2020385596	<b>A61P 13 /-</b>
2020342706		2020367242	2020363824		
2020342713	<b>A61K 35 /-</b>	2020370058	2020364515	<b>A61M 16 /-</b>	2020344164
2020343016		2020379738	2020371533		2020369912
2020343497	2020344551	<b>A61K 41 /-</b>	2020397227	2020341845	<b>A61P 15 /-</b>
2020344685	2020348973		2020415273	2020344256	
2020345320	2020350767	<b>A61K 45 /-</b>	<b>A61K 9 /-</b>	2020353666	2020343497
2020346064	2020355094				2020359005
2020346414	2020358081	<b>A61K 45 /-</b>	2019477296	<b>A61M 25 /-</b>	
2020346456	2020358725		2020339867		<b>A61P 17 /-</b>
2020347536	2020364157	2020342483	2020339867	2020349508	
2020347561	2020364930	2020342713	2020343244	2020352978	2020342706
2020347578	2020371382	2020346456	2020344685	2020357487	2020343497
2020348675	2020388433	2020346819	2020345320	2021209832	2020344762
2020348685	2021333530	2020347578	2020346414	<b>A61M 31 /-</b>	2020347561
2020348754		2020349353	2020347536		2020351835
2020348813	<b>A61K 36 /-</b>	2020349481	2020349353	2020351229	2020352311
2020349263		2020353367	2020351835	<b>A61M 39 /-</b>	2020356605
2020349353	2020341121	2020356575	2020353149		2020360928
2020350711	2020342706	2020356626	2020353367	2019459217	2020363873
2020352311	2020352641	2020357455	2020353676	2020343691	2020364930
2020352516	<b>A61K 38 /-</b>	2020367769	2020354634	2020349443	
2020353005		2020372131	2020355125	2020357049	<b>A61P 19 /-</b>
2020353222	2020335736	2020381775	2020357800	2020362959	2020342202
2020353367	2020337069	<b>A61K 47 /-</b>	2020358869		2020352311
2020353676	2020342483		2020361652	<b>A61M 5 /-</b>	2020364118
2020354534	2020346819	2019469060	2020362956		2020384824
2020354634	2020350715	2020332026	2020365665	2020349443	
2020354787	2020351168	2020336509	2020366237	2020350677	<b>A61P 25 /-</b>
2020355125	2020353222	2020340987	2020369029	2020351229	
2020355343	2020356605	2020344551	2020369912	2020356952	2020342706
2020356348	2020356962	2020344762	2020410549	2020362958	2020343497
2020356455	2020357455	2020344614	<b>A61L 2 /-</b>		2020346456
2020356575	2020360113	2020345320		<b>A61M 60 /-</b>	2020347578
2020356621	2020360849	2020346414	2020352978		2020354534
2020356626	2020361481	2020348781	<b>A61L 24 /-</b>	2020353092	2020355094
2020357800	2020367403	2020350677		<b>A61N 1 /-</b>	2020358539
2020357818	2020379738	2020351168	2020357800	2020335220	2020360928
2020358539	2020384729	2020351835	2020358869	2020348841	2020364118
2020360413	2020384824	2020354787	2020361652	2020352530	2020365665
2020360928	2020388433	2020356955	2020362956		2020376090
2020361324		2020361481	2020365665		2020381168
2020361511		2020366237	2020366237		
2020362953					



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2020388433	2020351205	<u>A61Q 1 /-</u>	<u>B01D 53 /-</u>	<u>B04B 13 /-</u>	<u>B25D 17 /-</u>
2020410549	2020351734				
	2020352311	2020364515	2020338368	2020353133	2020374372
<u>A61P 27 /-</u>	2020352516		2020343826		
	2020353079	<u>A61Q 11 /-</u>		<u>B05B 1 /-</u>	<u>B25D 9 /-</u>
2020346064	2020353367		<u>B01D 63 /-</u>	2020355408	2020374372
2020363041	2020354787	2020397227			
2020415273	2020355343		2020339657	2020355408	2020374372
	2020355614	<u>A61Q 19 /-</u>	2020375272	<u>B05B 13 /-</u>	<u>B25J 17 /-</u>
<u>A61P 29 /-</u>	2020356348			2020355408	2020364524
	2020356455	2020342706	<u>B01D 69 /-</u>		
2020338816	2020356626	2020351835		<u>B05B 7 /-</u>	<u>B25J 19 /-</u>
2020338985	2020356955	2020356605	2020346338		
2020341121	2020357455	2020364515		<u>B01D 71 /-</u>	2019464640
2020344762	2020358898		<u>B01D 71 /-</u>	2020355408	
2020352311	2020360962	<u>A61Q 5 /-</u>	2020346338	<u>B06B 1 /-</u>	<u>B25J 9 /-</u>
2020355125	2020361324		2020375272		
2020356575	2020363041	2020357088		2020335853	2020364524
2020363041	2020364093	2020371533			
2020369029	2020364118		<u>B01F 27 /-</u>	<u>B07B 1 /-</u>	<u>B26B 25 /-</u>
2020384824	2020365518	<u>A62C 99 /-</u>	2020355221		
2020408107	2020367014			<u>B07B 1 /-</u>	2020357584
2021333530	2020367204	2020342172	<u>B01F 35 /-</u>	2020349558	
	2020367403			<u>B08B 1 /-</u>	<u>B26B 7 /-</u>
<u>A61P 3 /-</u>	2020367769	<u>A62D 1 /-</u>	2020355221	2020343339	2020357584
	2020369569		<u>B01J 12 /-</u>		
2020350715	2020370058	2020342172		<u>B08B 17 /-</u>	<u>B29C 35 /-</u>
2020352311	2020408107		<u>B01J 12 /-</u>	2019467894	2020382929
2020353676		<u>A63B 47 /-</u>	2021333849		
2020357800	<u>A61P 37 /-</u>			<u>B08B 3 /-</u>	<u>B29C 48 /-</u>
2020371382	2020338985	2020366341	<u>B01J 20 /-</u>	2020381893	2020362084
2020384729	2020343497			<u>B08B 7 /-</u>	<u>B29C 49 /-</u>
2020400061	2020344164	<u>A63F 13 /-</u>	2020337115		
	2020349353		<u>B01J 23 /-</u>	<u>B08B 7 /-</u>	<u>B29C 49 /-</u>
<u>A61P 31 /-</u>	2020349481	<u>B01D 1 /-</u>	2020343826	2019467894	2020375011
	2020351168		2020353077		
2020335801	2020352311	2019464148	2020372554	<u>B09B 3 /-</u>	<u>B29C 63 /-</u>
2020346414	2020353079	<u>B01D 15 /-</u>	2021333849		
2020346819	2020361324			2020334360	2020362084
2020347536	2020363041	2020353178	<u>B01J 35 /-</u>		
2020348754	2020363873			<u>B22F 1 /-</u>	<u>B29C 64 /-</u>
2020350711	2020367014	<u>B01D 21 /-</u>	2020372554		
2020351205	2020393367			<u>B22F 3 /-</u>	2020357903
2020352311	2020408107	2020359087	<u>B01L 3 /-</u>	2020372554	2020358796
2020355401	2021333530	2021261058			2020361060
2020361481			2020359532	<u>B22F 3 /-</u>	2020366711
2020362953	<u>A61P 43 /-</u>	<u>B01D 24 /-</u>	2020363389	2020357903	2020381893
2020363041	2020346456			2020358796	2020382929
2020369579	2020349353	2020359087	<u>B01L 7 /-</u>	2020361060	
2020418425	2020349481			2020372554	<u>B29C 65 /-</u>
2021227402	2020360928	<u>B01D 29 /-</u>	2020359532		
2021333530	2020363041		<u>B02C 17 /-</u>	<u>B23K 26 /-</u>	2020362710
		2019459217			2020375011
<u>A61P 35 /-</u>		2020349558	2019464640	2020352662	
	<u>A61P 5 /-</u>	<u>B01D 3 /-</u>			<u>B29C 71 /-</u>
2019464494			<u>B02C 2 /-</u>	<u>B23P 19 /-</u>	2020381893
2019473233	2020343497	2019464148		2019464640	2020382929
2020335736		2019468769	2020366996		
2020335801	<u>A61P 7 /-</u>	2020357860		<u>B02C 23 /-</u>	<u>B24B 41 /-</u>
2020338985			<u>B01D 33 /-</u>		
2020339559	2020360113	<u>B01D 33 /-</u>		2019464640	2020334701
2020342202	2020372131				2020375011
2020342483		2020359087	<u>B04B 1 /-</u>	<u>B24B 47 /-</u>	<u>B29K 23 /-</u>
2020342713	<u>A61P 9 /-</u>				
2020343497		<u>B01D 39 /-</u>	2020353133	2020334701	2020375011
2020345320	2020348813			<u>B24B 7 /-</u>	<u>B29L 31 /-</u>
2020346008	2020352311	2019459217	<u>B04B 11 /-</u>		
2020347018	2020355080			2020334701	2020375011
2020348675	2020358539	<u>B01D 5 /-</u>			
2020348685	2020369912		2020353133		
2020349481	2020381775	2019464148			
2020350677					
2020351168					

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<b><u>B32B 1 /-</u></b>	<b><u>B41J 2 /-</u></b>	<b><u>B62B 5 /-</u></b>	<b><u>B65D 77 /-</u></b>	<b><u>B67D 1 /-</u></b>	<b><u>C02F 3 /-</u></b>
2020362084	2020359501	2020371852	2020375011	2020350983	2020339657 2020347958
<b><u>B32B 17 /-</u></b>	<b><u>B41J 3 /-</u></b>	<b><u>B62B 7 /-</u></b>	<b><u>B65D 79 /-</u></b>	<b><u>B67D 3 /-</u></b>	<b><u>C02F 9 /-</u></b>
2020367368	2020359501	2020369165 2020391923	2020354345	2020350983	2019464148 2020346457 2020359087
<b><u>B32B 25 /-</u></b>	<b><u>B60B 3 /-</u></b>	<b><u>B62B 9 /-</u></b>	<b><u>B65D 83 /-</u></b>	<b><u>B81B 3 /-</u></b>	<b><u>C04B 16 /-</u></b>
2020410225	2020363883	2020369165	2020357903 2020358796 2020361060	2020352662	2020412229
<b><u>B32B 27 /-</u></b>	<b><u>B60B 7 /-</u></b>	<b><u>B62D 33 /-</u></b>	<b><u>B65D 85 /-</u></b>	<b><u>B81C 1 /-</u></b>	<b><u>C04B 28 /-</u></b>
2020356981 2020359596 2020362084 2020410225	2020363883 <b><u>B60H 1 /-</u></b> 2020342532 2020351794	2020348401 2020362710	2020350778 2020355366	2020352662	2020412229
<b><u>B32B 37 /-</u></b>	<b><u>B60N 2 /-</u></b>	<b><u>B63G 8 /-</u></b>	<b><u>B65D 88 /-</u></b>	<b><u>C01B 25 /-</u></b>	<b><u>C04B 40 /-</u></b>
2020362084	2020363436	2020389149	2020362710	2020336509	2020412229
<b><u>B32B 5 /-</u></b>	<b><u>B60P 3 /-</u></b>	<b><u>B63H 1 /-</u></b>	<b><u>B65F 1 /-</u></b>	<b><u>C01B 3 /-</u></b>	<b><u>C05B 13 /-</u></b>
2020362084 2020410225	2020348401 2020362710	2020335399	2020334360	2020376582 2021333849 2021336098	2020360550
<b><u>B32B 7 /-</u></b>	<b><u>B60R 11 /-</u></b>	<b><u>B64C 33 /-</u></b>	<b><u>B65G 15 /-</u></b>	<b><u>C01B 32 /-</u></b>	<b><u>C05C 1 /-</u></b>
2020362084 2020410225	2020348401	2020349081	2020356726	2021336098	2020360550
<b><u>B33Y 10 /-</u></b>	<b><u>B60R 21 /-</u></b>	<b><u>B64C 39 /-</u></b>	<b><u>B65G 23 /-</u></b>	<b><u>C01B 31 /-</u></b>	<b><u>C05C 3 /-</u></b>
2020357903 2020358796 2020361060 2020366711 2020372554	2020348401 <b><u>B60R 9 /-</u></b> 2020348401	2020349081	2020357903	2020352749	2020360550
<b><u>B33Y 30 /-</u></b>	<b><u>B61D 17 /-</u></b>	<b><u>B65B 39 /-</u></b>	<b><u>B65G 57 /-</u></b>	<b><u>C01D 15 /-</u></b>	<b><u>C05F 17 /-</u></b>
2020357903 2020358796 2020361060 2020366711 2020381893	2020362710 <b><u>B61D 27 /-</u></b> 2020362710	2020350684 2020350684	2020393794	2020360341	2020334360
<b><u>B33Y 40 /-</u></b>	<b><u>B61D 3 /-</u></b>	<b><u>B65D 27 /-</u></b>	<b><u>B65G 69 /-</u></b>	<b><u>C01F 11 /-</u></b>	<b><u>C05F 9 /-</u></b>
2020357903 2020358796 2020361060 2020366711 2020381893 2020382929	2020355510 2020362710 <b><u>B61G 5 /-</u></b> 2020355510	2020350778 <b><u>B65D 33 /-</u></b> 2020350778	2020357903	2020336509	2020334360
<b><u>B33Y 50 /-</u></b>	<b><u>B61K 9 /-</u></b>	<b><u>B65D 41 /-</u></b>	<b><u>B66C 1 /-</u></b>	<b><u>C01G 29 /-</u></b>	<b><u>C05G 3 /-</u></b>
2020381893	2020349430	2020354345 2020355846	2020347390	2020361878	2020360550
<b><u>B33Y 70 /-</u></b>	<b><u>B61L 15 /-</u></b>	<b><u>B65D 47 /-</u></b>	<b><u>B66C 13 /-</u></b>	<b><u>C02F 1 /-</u></b>	<b><u>C05G 5 /-</u></b>
2020366711 2020372554	2020349430 <b><u>B61G 5 /-</u></b> 2020355510	2020354345 2020355846	2020347390 2020366286	2019464148 2019469120 2020346457 2020347958 2020353387 2020359087 2020369678	2020360550
<b><u>B41J 15 /-</u></b>	<b><u>B61L 23 /-</u></b>	<b><u>B65D 55 /-</u></b>	<b><u>B66C 15 /-</u></b>	<b><u>C02F 101 /-</u></b>	<b><u>C07C 17 /-</u></b>
2020349430 2020359501	2020349430 2020365850	2020355366 <b><u>B65D 65 /-</u></b> 2020350778 2020360403	2020336320 2020366286	2020360341	2020360532
<b><u>B41J 17 /-</u></b>	<b><u>B61L 25 /-</u></b>	<b><u>B66F 11 /-</u></b>	<b><u>B66C 23 /-</u></b>	<b><u>C02F 103 /-</u></b>	<b><u>C07C 22 /-</u></b>
2020359501	2020349430 2020365850	2019468904	2020336320 2020366286	2020369678	2020360532
<b><u>B41J 17 /-</u></b>	<b><u>B61L 25 /-</u></b>	<b><u>B66F 17 /-</u></b>	<b><u>C02F 11 /-</u></b>	<b><u>C02F 103 /-</u></b>	<b><u>C07C 235 /-</u></b>
2020359501	2020349430 2020365850	2019468904	2020359087	2020346457 2020359087 2020369678	2020364118
					<b><u>C07C 275 /-</u></b>
					2020338985
					<b><u>C07C 29 /-</u></b>
					2020353077 2020360532

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<u>C07C 317 /-</u>	<u>C07D 261 /-</u>	2020348685 2020355343 2020361324 2020372469	2020355125	<u>C07K 5 /-</u>	<u>C10M 141 /-</u>
2020364118	2020356348		<u>C07J 1 /-</u>	2020356605 2020360113	2020353006 2020354580
<u>C07C 33 /-</u>	<u>C07D 271 /-</u>		2020343497		
2020360532	2020372469	<u>C07D 451 /-</u>	<u>C07K 1 /-</u>	<u>C07K 7 /-</u>	<u>C11D 11 /-</u>
		2020355343	2020356303	2020355080	2020356460
<u>C07C 49 /-</u>	<u>C07D 277 /-</u>			<u>C08B 37 /-</u>	<u>C11D 17 /-</u>
2020352641	2020360778	<u>C07D 455 /-</u>	<u>C07K 14 /-</u>	2020335027 2020336112	2020356460 2020360403
<u>C07C 50 /-</u>	<u>C07D 295 /-</u>	2020355343	2019464494 2019473233 2020335736 2020336272 2020339086 2020348872 2020348973 2020351168 2020353182 2020354654 2020356962 2020357893 2020357969 2020358725 2020358775 2020358862 2020361481 2020364093 2020367242 2020375167 2020380275 2020384824 2021227402	<u>C08F 6 /-</u>	<u>C11D 3 /-</u>
2020358970	2020338985	<u>C07D 471 /-</u>		2019468769	2020356460
<u>C07C 61 /-</u>	<u>C07D 303 /-</u>	2020355343 2020356455 2020360928 2020364118 2020367204 2020367769 2020369569 2020381168		<u>C08G 69 /-</u>	<u>C12M 1 /-</u>
2020352641	2019469060			2020354787	2020337069 2020354411 2020355221 2020357801
<u>C07C 67 /-</u>	<u>C07D 305 /-</u>			<u>C08G 73 /-</u>	
2020360532	2020364118	<u>C07D 487 /-</u>		2020361652	
<u>C07C 69 /-</u>	<u>C07D 307 /-</u>	2020348675 2020348685 2020353005 2020355343 2020356455 2020358539 2020381168		<u>C08G 83 /-</u>	<u>C12M 3 /-</u>
2020340444 2020360532	2020348754			2020354787	2020336509
<u>C07D 201 /-</u>	<u>C07D 317 /-</u>	2020343788 2020364118		<u>C08K 3 /-</u>	<u>C12N 1 /-</u>
2020358970				2020361878	2020336272 2020340176 2020358775 2020375167 2021333530
<u>C07D 205 /-</u>	<u>C07D 401 /-</u>			<u>C08K 5 /-</u>	
2020338985	2020338985 2020342202 2020348685 2020352311 2020355343 2020356348	<u>C07D 491 /-</u>	<u>C07K 16 /-</u>	2020358836	<u>C12N 15 /-</u>
<u>C07D 207 /-</u>		2020348685 2020355343	2019464494 2019473233 2020332026 2020336992 2020340176 2020342713 2020344164 2020346886 2020347018 2020348290 2020348973 2020350677 2020350715 2020351205 2020351734 2020353660 2020354654 2020355080 2020355614 2020356303 2020358898 2020360962 2020363041 2020364093 2020367403	<u>C08L 101 /-</u>	2020335736 2020335909 2020337069 2020339559 2020340176 2020340444 2020341840 2020346008 2020348872 2020348879 2020348973 2020349512 2020350715 2020353149 2020354648 2020355125 2020357801 2020357816 2020357893 2020357969 2020363962 2020364248 2020370254 2020374405 2020375167 2020376487
2020338985 2020356348	2020352311 2020355343 2020356348	<u>C07D 493 /-</u>		2020361878	
<u>C07D 209 /-</u>	2020361324 2020369579 2020408107	2020348685		<u>C08L 33 /-</u>	
2019469060 2020352516 2020361324	2020408107	<u>C07D 495 /-</u>		2020359624	
<u>C07D 213 /-</u>	<u>C07D 403 /-</u>	2020348685		<u>C09D 133 /-</u>	
2020338985 2020364118	2020342202 2020348685 2020355343	<u>C07D 498 /-</u>		2020359624	
<u>C07D 231 /-</u>		2020355343 2020365518 2020381168		<u>C09D 201 /-</u>	
2020338985 2020356348	2020338816 2020348685 2020355343 2020356348 2020356621	<u>C07D 519 /-</u>		2020361878	
<u>C07D 241 /-</u>		2020360928 2020369569 2020393367		<u>C09D 5 /-</u>	
2020348685 2020376090	2020342202 2020348685 2020356348	<u>C07D 498 /-</u>		2020358836	
<u>C07D 249 /-</u>	<u>C07D 405 /-</u>	2020355343 2020365518 2020381168		<u>C09D 7 /-</u>	
2020356621	2020338816 2020348685 2020356348	<u>C07F 15 /-</u>		2020358836 2020361878	
<u>C07D 255 /-</u>		2020335801		<u>C09J 133 /-</u>	
2020342202	2020338816 2020348685 2020352311 2020355343 2020372469	<u>C07F 7 /-</u>		2020359624	
<u>C07D 257 /-</u>		2020358970 2020360928	<u>C07K 19 /-</u>		<u>C12N 5 /-</u>
2020364118	2020338816	<u>C07H 15 /-</u>	2020350715 2020353660	2020361878	2020336112 2020339559 2020340176 2020346008 2020358725 2020364157
	<u>C07D 417 /-</u>	2020356621	<u>C07K 2 /-</u>	<u>C09K 5 /-</u>	
		2020337069	2020344762	2020350500	

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2020371382	<b><u>C22C 5 /-</u></b>	<b><u>E03D 3 /-</u></b>	<b><u>E21B 43 /-</u></b>	<b><u>F16B 31 /-</u></b>	<b><u>F21V 23 /-</u></b>
<b><u>C12N 7 /-</u></b>	2020372554	2020361592	2020347749	2020380573	2020336442
2020348872	<b><u>C23C 2 /-</u></b>	<b><u>E03D 5 /-</u></b>	2020355349		
2020348973			2020382918	<b><u>F16B 35 /-</u></b>	<b><u>F22B 1 /-</u></b>
	2020335420	2020361592	<b><u>E21B 44 /-</u></b>	2019473410	2019469120
<b><u>C12N 9 /-</u></b>	<b><u>C25B 1 /-</u></b>	<b><u>E03D 9 /-</u></b>	2020355349	2020353385	2020352258
2020340444				<b><u>F16B 5 /-</u></b>	<b><u>F22B 27 /-</u></b>
2020348879	2020343721	2020361592	<b><u>E21B 47 /-</u></b>		
2020351168	2020352749			2019473410	2019469120
2020353149	2020369070	<b><u>E03F 9 /-</u></b>	2019477990		
2020353222	2020376483			<b><u>F16F 7 /-</u></b>	<b><u>F24C 7 /-</u></b>
2020357893		2020361592	<b><u>E21B 49 /-</u></b>		
2020357969	<b><u>C25B 11 /-</u></b>			2020356733	2020354487
2020363962		<b><u>E04D 13 /-</u></b>	2020355349	<b><u>F16H 57 /-</u></b>	<b><u>F24F 11 /-</u></b>
2020371382	2020369070				
	2020376483	2020349404	<b><u>E21D 21 /-</u></b>	2020334701	2020351474
<b><u>C12P 19 /-</u></b>	<b><u>C25B 15 /-</u></b>	2020349748			
			2020380573	<b><u>F16K 1 /-</u></b>	<b><u>F24F 13 /-</u></b>
2020337069		<b><u>E04D 3 /-</u></b>			
2020357801	2020343721		<b><u>E21F 17 /-</u></b>	2020357903	2020351474
	2020369070	2020349748			
<b><u>C12Q 1 /-</u></b>	<b><u>C25B 9 /-</u></b>	<b><u>E04G 11 /-</u></b>	2020350816	<b><u>F16K 31 /-</u></b>	<b><u>F24F 3 /-</u></b>
2020336115		2020356415	<b><u>F01K 21 /-</u></b>	2020357903	2020338368
2020339086	2020376582				
2020349512	<b><u>C40B 10 /-</u></b>	<b><u>E04H 14 /-</u></b>	2020343506	<b><u>F16L 1 /-</u></b>	<b><u>F24H 9 /-</u></b>
2020353079					
2020354551		2020349404	<b><u>F02B 63 /-</u></b>	2020336470	2020354788
2020354648	2020357801			2020350979	
2020356429		<b><u>E05B 1 /-</u></b>	2020350815		<b><u>F24S 25 /-</u></b>
2020357847	<b><u>D01D 5 /-</u></b>			<b><u>F16L 15 /-</u></b>	2020349404
2020357978		2020336442	<b><u>F02M 21 /-</u></b>		
2020359005	2020364515			2020362925	<b><u>F24S 60 /-</u></b>
2020359532	<b><u>D02G 3 /-</u></b>	<b><u>E06B 3 /-</u></b>	2020376582		
2020361082				<b><u>F16L 59 /-</u></b>	2020352258
2020367767	2020375272	2020348744	<b><u>F03B 13 /-</u></b>		
				2020336470	<b><u>F24S 80 /-</u></b>
<b><u>C12R 1 /-</u></b>	<b><u>D04H 1 /-</u></b>	<b><u>E06B 9 /-</u></b>	2020363394	<b><u>F16M 11 /-</u></b>	2020352258
2020375167	2020360403	2020346784	<b><u>F03D 15 /-</u></b>	<b><u>F16M 13 /-</u></b>	2020356360
2021333530					
	<b><u>D21H 11 /-</u></b>	<b><u>E21B 15 /-</u></b>	2020369806	2020364524	<b><u>F25D 23 /-</u></b>
<b><u>C22B 1 /-</u></b>					
	2019468128	2019477990	<b><u>F03D 7 /-</u></b>	<b><u>F16M 13 /-</u></b>	2020353696
2020450853					
	<b><u>D21H 27 /-</u></b>	<b><u>E21B 17 /-</u></b>	2020342532	2020360409	<b><u>F41G 3 /-</u></b>
<b><u>C22B 11 /-</u></b>			2020350491	2020362546	
	2019468128	2020362925	<b><u>F03D 9 /-</u></b>	<b><u>F16P 3 /-</u></b>	2020353696
2020337115					
	<b><u>E01F 15 /-</u></b>	<b><u>E21B 21 /-</u></b>	2020342532	2020364524	<b><u>F42D 3 /-</u></b>
<b><u>C22B 3 /-</u></b>					
	2020350856	2019477990	<b><u>F04B 43 /-</u></b>	<b><u>F17C 11 /-</u></b>	2020384913
2020337115	2020368434				
		<b><u>E21B 29 /-</u></b>	2020343116	2020376582	<b><u>G01B 11 /-</u></b>
<b><u>C22B 47 /-</u></b>	<b><u>E01F 8 /-</u></b>				
		2020382918	<b><u>F04D 17 /-</u></b>	<b><u>F17C 13 /-</u></b>	2020376927
2020450853	2020367203	2020384913			
			2020351474	2020355443	<b><u>G01B 9 /-</u></b>
<b><u>C22C 1 /-</u></b>	<b><u>E02F 3 /-</u></b>	<b><u>E21B 33 /-</u></b>			
			<b><u>F15B 13 /-</u></b>	<b><u>F17C 7 /-</u></b>	2020376927
2020372554	2020414620	2020344901			
		2020347749	2020347749	2020376582	<b><u>G01C 21 /-</u></b>
<b><u>C22C 18 /-</u></b>	<b><u>E02F 9 /-</u></b>	2020350979			
			<b><u>F16B 13 /-</u></b>	<b><u>F17D 1 /-</u></b>	2020347794
2020335420	2020414620	<b><u>E21B 34 /-</u></b>			
			2020377529	2020352258	<b><u>G01C 9 /-</u></b>
<b><u>C22C 38 /-</u></b>	<b><u>E03D 11 /-</u></b>	2020347749	<b><u>F16B 19 /-</u></b>	<b><u>F21S 9 /-</u></b>	2020362546
2020335420	2020361592	<b><u>E21B 4 /-</u></b>	2019473410	2020336442	<b><u>G01F 11 /-</u></b>
		2020374372			2020343116

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<b><u>G01F 15 /-</u></b>	<b><u>G01N 35 /-</u></b>	<b><u>G05D 1 /-</u></b>	2020353380	<b><u>G08B 13 /-</u></b>	2020359295 2020361728
2020343116	2020363389	2020347794	<b><u>G06Q 10 /-</u></b>	2020358768 2020360874	<b><u>G21C 1 /-</u></b>
<b><u>G01F 23 /-</u></b>	<b><u>G01R 19 /-</u></b>	<b><u>G05D 23 /-</u></b>	2020334360 2020348670 2020348678 2020354946 2020361623 2020372313	<b><u>G08B 21 /-</u></b>	2020412481
2020335030	2020343938	2020354788		2020356435 2020357900	<b><u>G21C 11 /-</u></b>
<b><u>G01H 1 /-</u></b>	<b><u>G01R 27 /-</u></b>	<b><u>G05F 1 /-</u></b>		<b><u>G08B 25 /-</u></b>	2020411489 2020412481
2020367368	2020343938 2020388243	2020358901 2020363394	<b><u>G06Q 20 /-</u></b>	2020356435 2020358768 2020360874	<b><u>G21C 15 /-</u></b>
<b><u>G01H 11 /-</u></b>	<b><u>G01R 31 /-</u></b>	<b><u>G05G 1 /-</u></b>	2020343703 2020351765 2020357579 2020360165	<b><u>G08B 27 /-</u></b>	2020411489 2020412481
2020335853	2020388243	2020383933		2020356435	<b><u>G21C 3 /-</u></b>
<b><u>G01H 3 /-</u></b>	<b><u>G01R 33 /-</u></b>	<b><u>G06F 15 /-</u></b>	<b><u>G06Q 30 /-</u></b>	2020343829	2020411489
2020335853	2020361502	2020354368		<b><u>G08G 1 /-</u></b>	<b><u>G21C 5 /-</u></b>
<b><u>G01J 3 /-</u></b>	<b><u>G01R 35 /-</u></b>	<b><u>G06F 16 /-</u></b>	2020349474 2020376970 2021225837	<b><u>G09G 3 /-</u></b>	2020412481
2020376927	2020343938	2020355348 2020359295	<b><u>G06Q 50 /-</u></b>	2019464927	<b><u>H01F 27 /-</u></b>
<b><u>G01L 5 /-</u></b>	<b><u>G01S 11 /-</u></b>	<b><u>G06F 21 /-</u></b>	2020348670 2020349474 2020355159 2020356637 2020447264 2021225837 2021235115 2021279606	<b><u>G10K 11 /-</u></b>	2020345300
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<b><u>G01N 1 /-</u></b>	<b><u>G01S 15 /-</u></b>	<b><u>G06F 3 /-</u></b>		<b><u>G10L 15 /-</u></b>	2020356396
2020343116 2020363389	2020353233 2021224835		<b><u>G06T 15 /-</u></b>	2020343339	<b><u>H01L 31 /-</u></b>
<b><u>G01N 21 /-</u></b>	<b><u>G01S 17 /-</u></b>	2020352890		<b><u>G16B 20 /-</u></b>	2020349404 2020357567
2020339849 2020340477 2020343339 2020360767	2020353696 2020365850	<b><u>G06F 40 /-</u></b>	2020362216	2020359005	<b><u>H01M 10 /-</u></b>
<b><u>G01N 23 /-</u></b>	<b><u>G01S 5 /-</u></b>	2020376970	<b><u>G06T 3 /-</u></b>	<b><u>G16B 30 /-</u></b>	2020351586 2020353078 2020409381
2020335801	2020338285 2020365850	2020405493	2020362216	2020358797	<b><u>H01M 4 /-</u></b>
<b><u>G01N 27 /-</u></b>	<b><u>G01S 7 /-</u></b>	<b><u>G06K 17 /-</u></b>	<b><u>G06T 7 /-</u></b>	<b><u>G16B 40 /-</u></b>	2020351586 2020353078 2020363051 2020363053
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<b><u>G01N 29 /-</u></b>	<b><u>G01T 1 /-</u></b>	<b><u>G06K 7 /-</u></b>		<b><u>G16H 15 /-</u></b>	2020353078
2020335030 2020335853 2020354943	2020345858	2020360165 2020380134 2020405493	<b><u>G07B 11 /-</u></b>	2020358856	<b><u>H01R 12 /-</u></b>
<b><u>G01N 31 /-</u></b>	<b><u>G02B 1 /-</u></b>	<b><u>G06K 9 /-</u></b>	2020405493	<b><u>G16H 20 /-</u></b>	2020368576
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<b><u>G01N 33 /-</u></b>	<b><u>G02B 23 /-</u></b>	<b><u>G06M 1 /-</u></b>	2020344976	<b><u>G16H 30 /-</u></b>	2019471214 2020355416 2020356148
2020335030 2020339849 2020340383 2020343033 2020347018 2020353178 2020353367 2020354345 2020355094 2020356626 2020376887	2020362216	2020405493	2020365760	2020361728	<b><u>H01R 24 /-</u></b>
	<b><u>G02B 3 /-</u></b>	<b><u>G06M 3 /-</u></b>	<b><u>G07F 1 /-</u></b>	<b><u>G16H 40 /-</u></b>	2020355416
	2020344608 2020347259	2020405493	2020360165	2020356952 2020358856	2020355416
	<b><u>G02B 6 /-</u></b>	2020405493	<b><u>G07F 7 /-</u></b>		<b><u>H01S 5 /-</u></b>
	2020345776 2020345844	<b><u>G06N 20 /-</u></b>	<b><u>G07G 1 /-</u></b>		2019470058
	<b><u>G02C 5 /-</u></b>	2020353380	2020360165 2020380134	<b><u>G16H 50 /-</u></b>	
	2020356733	<b><u>G06N 3 /-</u></b>		2020349082 2020358717	
		2020351825			

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2020357494		2020354942
<b><u>H02J 3 /-</u></b>	<b><u>H04L 65 /-</u></b>	<b><u>H04R 3 /-</u></b>
2020350671	2020349474	2020367092
2020358901	2020360149	
2020363394	2020412339	<b><u>H04R 5 /-</u></b>
<b><u>H02J 50 /-</u></b>	<b><u>H04L 69 /-</u></b>	2020367092
2020377079	2020353092	<b><u>H04R 7 /-</u></b>
<b><u>H02J 7 /-</u></b>	<b><u>H04L 9 /-</u></b>	2020351459
2019466774	2020341193	<b><u>H04R 9 /-</u></b>
2020335147	2020353683	2020351459
2020350671	2020360149	<b><u>H04W 12 /-</u></b>
2020377079	2020412339	2020360149
2020383933	<b><u>H04M 15 /-</u></b>	<b><u>H04W 28 /-</u></b>
2021338586	2021225837	2019468802
<b><u>H02K 1 /-</u></b>	<b><u>H04N 13 /-</u></b>	<b><u>H04W 36 /-</u></b>
2021341568	2020352900	2020357462
<b><u>H02K 21 /-</u></b>	<b><u>H04N 19 /-</u></b>	2020361417
2021341568	2020335843	<b><u>H04W 4 /-</u></b>
<b><u>H02K 49 /-</u></b>	2020337710	2020343829
2020343673	2020337712	2020359295
<b><u>H02S 10 /-</u></b>	2020352269	<b><u>H04W 40 /-</u></b>
2020337347	2020352432	2019467280
<b><u>H02S 20 /-</u></b>	2020352446	<b><u>H04W 48 /-</u></b>
2020349748	2020352589	2020373330
2020367203	2020352892	<b><u>H04W 72 /-</u></b>
<b><u>H02S 40 /-</u></b>	2020352893	2020418632
2019466774	2020352903	<b><u>H04W 76 /-</u></b>
2020349748	2020352905	2020357462
<b><u>H03H 7 /-</u></b>	2020352914	2020361417
2020414353	2020354148	<b><u>H04W 84 /-</u></b>
<b><u>H03M 7 /-</u></b>	2020354305	2020373330
2020356300	2020354306	<b><u>H05B 39 /-</u></b>
<b><u>H04B 3 /-</u></b>	2020354368	2020359524
2019464917	2020354384	<b><u>H05B 47 /-</u></b>
<b><u>H04L 25 /-</u></b>	2020354401	2020359524
2020348800	2020355591	<b><u>H05K 5 /-</u></b>
<b><u>H04L 45 /-</u></b>	2020356280	2020350816
2019467280	2020356300	<b><u>H05K 9 /-</u></b>
<b><u>H04L 47 /-</u></b>	2020356363	2020357494
2019467280	2020358175	
<b><u>H04L 5 /-</u></b>	2020360102	
2020358664	2020372257	
	<b><u>H04N 21 /-</u></b>	
	2020355348	
	<b><u>H04N 5 /-</u></b>	
	2020347874	
	<b><u>H04N 7 /-</u></b>	
	2020354306	
	2020356300	
	<b><u>H04R 1 /-</u></b>	
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*C08K 5/18* ( 2006.01 )  
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**G06N 3/04** ( 2006.01 )  
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**A61P 31/16** ( 2006.01 )  
**C07D 235/18** ( 2006.01 )  
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**C07D 413/14** ( 2006.01 )  
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 Abdellah; Raboisson, Pierre Jean-Mar-  
 ie Bernard; Buyck, Christophe Francis  
 Robert Nestor  
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 said derivative  
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**(54)** An apparatus for receiving, spread-  
 ing/extending and flattening  
**(51)** Int. Cl.  
**D06F 67/04** ( 2006.01 )  
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 quinoline derivative or salt thereof  
**(51)** Int. Cl.  
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 market data rights enforcement  
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**H04R 5/033** ( 2006.01 )  
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 position comprising humulinones  
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**(74)** FB Rice Pty Ltd

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 tioning system  
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**G01S 19/35** ( 2010.01 )  
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**G01C 21/28** ( 2006.01 )  
**G01S 19/07** ( 2010.01 )  
**H01Q 1/22** ( 2006.01 )  
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 ic-Reinforced Steel-Matrix Composite  
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*C07K 14/715* ( 2006.01 )  
*C12N 5/16* ( 2006.01 )  
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**(74)** Davies Collison Cave Pty Ltd

**(71)** Mallinckrodt Pharmaceuticals Ireland  
 Limited  
**(11)** AU-B-2021203030  
**(21)** 2021203030 **(22)** 12.05.2021  
**(54)** Systems and method for delivery of  
 therapeutic gas to patients, in need  
 thereof, receiving breathing gas from a  
 ventilator that varies at least pressure  
 and/or flow using enhanced therapeutic  
 gas (NO) flow measurement  
**(51)** Int. Cl.  
**A61M 16/00** ( 2006.01 )  
**A61M 16/12** ( 2006.01 )  
**G01N 33/00** ( 2006.01 )  
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**(74)** Phillips Ormonde Fitzpatrick

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**(11)** AU-B-2020201697  
**(21)** 2020201697 **(22)** 06.03.2020  
**(54)** Mounting assembly for positioning  
 stern-mounted propulsion units with a  
 forward convergence  
**(51)** Int. Cl.  
**B63H 20/02** ( 2006.01 )  
**B63H 20/12** ( 2006.01 )  
**B63H 21/30** ( 2006.01 )  
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**(74)** FB Rice Pty Ltd

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**(51)** Int. Cl.  
**A21D 13/30** ( 2017.01 )  
**A21D 13/38** ( 2017.01 )  
**A23G 1/54** ( 2006.01 )  
**A23G 3/20** ( 2006.01 )  
**A23P 20/10** ( 2016.01 )  
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**(74)** James & Wells Intellectual Property

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 ing and tracking medication usage  
**(51)** Int. Cl.  
**A61J 1/06** ( 2006.01 )  
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**(51)** Int. Cl.  
**A61B 17/16** ( 2006.01 )  
**A61C 1/14** ( 2006.01 )  
**B23B 31/06** ( 2006.01 )  
**B23B 31/08** ( 2006.01 )  
**B23B 51/12** ( 2006.01 )  
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 printer  
**(51)** Int. Cl.  
**B41J 29/02** ( 2006.01 )  
**B41J 2/165** ( 2006.01 )

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**B41J 25/304** ( 2006.01 )  
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**C07H 19/173** ( 2006.01 )  
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 TION CYCLE APPARATUS  
**(51)** Int. Cl.  
**F28F 1/32** ( 2006.01 )  
**F28D 1/053** ( 2006.01 )  
**(87)** WO2019/239520  
**(43)** 19.12.2019  
**(44)** 14.04.2022  
**(72)** YATSUYANAGI, Akira; MAEDA, Tsuy-  
 oshi; TAKAHASHI, Tomohiko; ASAI,  
 Yoshihide; NAKAGAWA, Hidetomo  
**(74)** Griffith Hack

**(71)** Motorola Solutions, Inc.  
**(11)** AU-B-2020281007  
**(21)** 2020281007 **(22)** 30.11.2020  
**(54)** DEVICE AND METHOD FOR CON-  
 TROLLING A SPEAKER ACCORDING  
 TO PRIORITY DATA  
**(51)** Int. Cl.  
**G06F 3/16** ( 2006.01 )  
**G06F 16/683** ( 2019.01 )  
**G10L 19/005** ( 2013.01 )  
**G10L 25/48** ( 2013.01 )  
**H04R 29/00** ( 2006.01 )  
**(31)** 16/724,840 **(32)** 23.12.19 **(33)** US  
**(43)** 08.07.2021  
**(44)** 14.04.2022  
**(72)** Boerger, Mark A.; Regan, Sean; Cor-  
 retjer, Jesus F.  
**(74)** Phillips Ormonde Fitzpatrick

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(71) Neurophyxia B.V.  
 (11) AU-B-2016372396  
 (21) 2016372396 (22) 16.12.2016  
 (54) 2-iminobiotin for use in the treatment of brain cell injury  
 (51) Int. Cl.  
**A61K 31/4188** ( 2006.01 )  
**A61K 45/06** ( 2006.01 )  
**A61P 25/00** ( 2006.01 )  
 (87) WO2017/105237  
 (31) 15200492.5 (32) 16.12.15 (33) EP  
 (43) 22.06.2017  
 (44) 14.04.2022  
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 (74) FB Rice Pty Ltd

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 (21) 2018376804 (22) 15.11.2018  
 (54) Aerosol generation  
 (51) Int. Cl.  
**A24F 47/00** ( 2006.01 )  
**A24D 1/00** ( 2006.01 )  
 (87) WO2019/105750  
 (31) 1719747.6 (32) 28.11.17 (33) GB  
 (43) 06.06.2019  
 (44) 14.04.2022  
 (72) BALLESTEROS GOMEZ, Pablo Javier; PHILLIPS, Jeremy  
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(71) Nicoventures Trading Limited  
 (11) AU-B-2019395786  
 (21) 2019395786 (22) 11.12.2019  
 (54) Aerosol generating apparatus and method of operating same  
 (51) Int. Cl.  
**A24F 40/465** ( 2020.01 )  
**H05B 6/10** ( 2006.01 )  
 (87) WO2020/120551  
 (31) 1820143.4 (32) 11.12.18 (33) GB  
 (43) 18.06.2020  
 (44) 14.04.2022  
 (72) WHITE, Julian Darryn; HORROD, Martin Daniel  
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(71) Ningbo Fotile Kitchen Ware Co., Ltd  
 (11) AU-B-2019281306  
 (21) 2019281306 (22) 13.03.2019  
 (54) Burner cap  
 (51) Int. Cl.  
**F23D 14/26** ( 2006.01 )  
**F23D 14/46** ( 2006.01 )  
**F23D 14/58** ( 2006.01 )  
**F23D 14/62** ( 2006.01 )  
**F23D 14/74** ( 2006.01 )  
**F23D 14/76** ( 2006.01 )  
 (87) WO2019/233152  
 (31) 201810560224.6 (32) 03.06.18 (33) CN  
 (43) 12.12.2019  
 (44) 14.04.2022  
 (72) ZHANG, Bo; LIU, Xiaogang; XU, Qiang; ZHENG, Junmei  
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 (21) 2017402155

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 (21) 2020257086 (22) 21.10.2020  
 (54) External ear canal pressure regulation device  
 (51) Int. Cl.  
**A61F 11/00** ( 2006.01 )  
 (43) 19.11.2020  
 (44) 14.04.2022  
 (62) 2019204160  
 (72) George, David; Buckler, George; Crown, Timothy A.; Sullivan, David Brice  
 (74) FPA Patent Attorneys Pty Ltd

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(71) North Carolina State University  
 (11) AU-B-2016205254  
 (21) 2016205254 (22) 06.01.2016  
 (54) Modeling ribosome dynamics to optimize heterologous protein production  
 (51) Int. Cl.  
**C12Q 1/68** ( 2006.01 )  
 (87) WO2016/112142  
 (31) 62/100,417 (32) 06.01.15 (33) US  
 (43) 14.07.2016  
 (44) 14.04.2022  
 (72) Vu, Scott Khoi; Bitzer, Donald L.  
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(71) North Carolina State University  
 (11) AU-B-2016280002  
 (21) 2016280002 (22) 15.06.2016  
 (54) Methods and compositions for efficient delivery of nucleic acids and RNA-based antimicrobials  
 (51) Int. Cl.  
**C12N 1/21** ( 2006.01 )  
**C12N 7/01** ( 2006.01 )  
**C12N 15/63** ( 2006.01 )  
**C12P 19/34** ( 2006.01 )  
 (87) WO2016/205276  
 (31) 62/175,749 (32) 15.06.15 (33) US  
 (43) 22.12.2016  
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 (72) Beisel, Chase Lawrence; Gomaa, Ahmed Abdelshafy Mahmoud; Luo, Michelle  
 (74) RnB IP

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(71) Novamont S.P.A.  
 (11) AU-B-2018314488  
 (21) 2018314488 (22) 31.07.2018  
 (54) Herbicidal compositions based on non-anoic acid and nonenoic acid  
 (51) Int. Cl.  
**A01N 37/02** ( 2006.01 )  
**A01N 25/30** ( 2006.01 )  
**A01N 37/06** ( 2006.01 )  
**A01P 13/00** ( 2006.01 )  
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 (31) 102017000088474 (32) 02.08.17 (33) IT

(43) 14.02.2019  
 (44) 14.04.2022  
 (72) SAGLIANO, Angela  
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 (21) 2017269647 (22) 19.05.2017  
 (54) Seedless fruit producing plants  
 (51) Int. Cl.  
**C12N 15/82** ( 2006.01 )  
**C07K 14/415** ( 2006.01 )  
 (87) WO2017/202715  
 (31) 16171462.1 (32) 26.05.16 (33) EP  
 (43) 30.11.2017  
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 (72) Sirizzotti, Alberto; Berentsen, Richard Bernard; Vriezen, Hendrik Willem  
 (74) Davies Collison Cave Pty Ltd

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(71) NUTRITION & BIOSCIENCES USA 1, LLC  
 (11) AU-B-2018230542  
 (21) 2018230542 (22) 19.02.2018  
 (54) Composition comprising gluten-free flour and hydroxypropyl methyl cellulose  
 (51) Int. Cl.  
**A21D 2/18** ( 2006.01 )  
**A21D 13/066** ( 2017.01 )  
**A23L 29/262** ( 2016.01 )  
 (87) WO2018/164825  
 (31) 62/467,360 (32) 06.03.17 (33) US  
 (43) 13.09.2018  
 (44) 14.04.2022  
 (72) Mayer, Franz; Knarr, Matthias  
 (74) Phillips Ormonde Fitzpatrick

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(71) Ocean Cleaner, LLC  
 (11) AU-B-2019315447  
 (21) 2019315447 (22) 31.07.2019  
 (54) Systems, apparatus and methods for collecting and separating floating debris and water from a body of water  
 (51) Int. Cl.  
**E02B 15/10** ( 2006.01 )  
 (87) WO2020/028476  
 (31) 16/052,045 (32) 01.08.18 (33) US  
 (43) 06.02.2020  
 (44) 14.04.2022  
 (72) COVINGTON, Russell S.; FOLSE, Kim Michael; GUNTER, Christopher Howell  
 (74) AJ PARK

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(71) Oklahoma Safety Equipment Company, Inc.  
 (11) AU-B-2016348531  
 (21) 2016348531 (22) 04.11.2016  
 (54) Rupture disc device and method of assembly thereof  
 (51) Int. Cl.  
**F16K 17/14** ( 2006.01 )



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**F16K 17/40** ( 2006.01 )  
**(87)** WO2017/079648  
**(31)** 62/252,176 **(32)** 06.11.15 **(33)** US  
 62/281,016 20.01.16 US  
**(43)** 11.05.2017  
**(44)** 14.04.2022  
**(72)** Wilson, Alan T.; Franks, Hunter;  
 Hentzen, Brandon; Kmitta, Michael;  
 Blackmon, Mark Randall; Evans,  
 Robert  
**(74)** Phillips Ormonde Fitzpatrick

**(71)** Opko Ireland Global Holdings Ltd.  
**(11)** AU-B-2016325209  
**(21)** 2016325209 **(22)** 10.02.2016  
**(54)** Adjunctive therapy with 25-hydroxyvit-  
 amin D and articles therefor

**(51)** Int. Cl.  
**A61K 31/137** ( 2006.01 )  
**A61K 9/48** ( 2006.01 )  
**A61K 31/592** ( 2006.01 )  
**A61K 31/593** ( 2006.01 )  
**A61K 47/44** ( 2006.01 )  
**A61P 3/02** ( 2006.01 )  
**A61P 5/20** ( 2006.01 )  
**A61P 13/12** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )

**(87)** WO2017/050438  
**(31)** 14/866,155 **(32)** 25.09.15 **(33)** US  
**(43)** 30.03.2017  
**(44)** 14.04.2022  
**(72)** Melnick, Joel Z.; White, Jay A.;  
 Petkovich, P. Martin; Tabash, Samir P.;  
 Bishop, Charles W.; Peers, Susan H.;  
 Strugnell, Stephen A.  
**(74)** Pizzeys Patent and Trade Mark Attor-  
 neys Pty Ltd

**(71)** Optipro Corp Ltd.  
**(11)** AU-B-2017207036  
**(21)** 2017207036 **(22)** 20.01.2017  
**(54)** Human wearable glove made of a com-  
 posite, protective fabric  
**(51)** Int. Cl.  
**A41D 19/015** ( 2006.01 )  
**A41D 19/00** ( 2006.01 )  
**A41D 31/00** ( 2006.01 )

**(87)** WO2017/122085  
**(31)** 14/992,829 **(32)** 11.01.16 **(33)** US  
**(43)** 20.07.2017  
**(44)** 14.04.2022  
**(72)** Andresen, Lars Petter  
**(74)** Griffith Hack

**(71)** Opus RV Pty Ltd  
**(11)** AU-B-2022201016  
**(21)** 2022201016 **(22)** 16.02.2022  
**(54)** Improvements Relating to Camping As-  
 semblies  
**(51)** Int. Cl.  
**B60P 3/34** ( 2006.01 )

**(43)** 10.03.2022  
**(44)** 14.04.2022  
**(62)** 2017220045  
**(72)** HARRISON, Jonathan; KIDSON, Mark;  
 HAWKINS, Ben  
**(74)** Arceo IP

**(71)** Oregon Health & Science University  
**(11)** AU-B-2019250180  
**(21)** 2019250180 **(22)** 17.10.2019  
**(54)** CMV glycoproteins and recombinant  
 vectors  
**(51)** Int. Cl.  
**C12N 15/86** ( 2006.01 )  
**C12N 15/12** ( 2006.01 )  
**C12N 15/31** ( 2006.01 )  
**(43)** 07.11.2019  
**(44)** 14.04.2022  
**(62)** 2017254799  
**(72)** Picker, Louis; Hansen, Scott; Frueh,  
 Klaus  
**(74)** FB Rice Pty Ltd

**(71)** Orica International Pte Ltd  
**(11)** AU-B-2019220720  
**(21)** 2019220720 **(22)** 15.02.2019  
**(54)** Vibration while drilling data processing  
 methods  
**(51)** Int. Cl.  
**G01V 1/28** ( 2006.01 )  
**G01V 1/30** ( 2006.01 )  
**G01V 1/36** ( 2006.01 )  
**G01V 1/37** ( 2006.01 )  
**G01V 1/42** ( 2006.01 )  
**G01V 1/44** ( 2006.01 )  
**G01V 1/52** ( 2006.01 )  
**G01V 3/38** ( 2006.01 )

**(87)** WO2019/161194  
**(31)** 16/047,528 **(32)** 27.07.18 **(33)** US  
 62/631,655 17.02.18 US  
**(43)** 22.08.2019  
**(44)** 14.04.2022  
**(72)** PALMER, Daniel; RECTOR, James  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Osaka University  
**(11)** AU-B-2016306320  
**(21)** 2016306320 **(22)** 02.08.2016  
**(54)** Antibody  
**(51)** Int. Cl.  
**C12N 15/09** ( 2006.01 )  
**A61K 35/17** ( 2015.01 )  
**A61K 39/395** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07K 16/30** ( 2006.01 )  
**C07K 19/00** ( 2006.01 )  
**C12N 1/15** ( 2006.01 )  
**C12N 1/19** ( 2006.01 )  
**C12N 1/21** ( 2006.01 )  
**C12N 5/10** ( 2006.01 )

**(87)** WO2017/026331  
**(31)** 2015-159240 **(32)** 11.08.15 **(33)** JP  
**(43)** 16.02.2017  
**(44)** 14.04.2022  
**(72)** Hosen, Naoki; Sugiyama, Haruo; Ku-  
 manogoh, Atsushi; Takagi, Junichi  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Oxo Fab Inc.  
**(11)** AU-B-2017210355  
**(21)** 2017210355 **(22)** 20.01.2017  
**(54)** Knife gate valve  
**(51)** Int. Cl.

**F16K 3/02** ( 2006.01 )  
**F16K 3/30** ( 2006.01 )  
**F16K 27/04** ( 2006.01 )  
**(87)** WO2017/124192  
**(31)** 62/286,026 **(32)** 22.01.16 **(33)** US  
**(43)** 27.07.2017  
**(44)** 14.04.2022  
**(72)** Ruelland, Frédéric; Simard, Clément  
**(74)** Phillips Ormonde Fitzpatrick

**Peak Well Systems Limited see Peak Well  
 Systems Pty Ltd**  
**(21)** 2016376007

**(71)** Peak Well Systems Pty Ltd; Peak Well  
 Systems Limited  
**(11)** AU-B-2016376007  
**(21)** 2016376007 **(22)** 23.12.2016  
**(54)** Expanding and collapsing apparatus  
 and methods of use  
**(51)** Int. Cl.  
**E21B 33/12** ( 2006.01 )  
**E21B 33/128** ( 2006.01 )  
**(87)** WO2017/109509  
**(31)** 1522741.6 **(32)** 23.12.15 **(33)** GB  
 1522725.9 23.12.15 GB  
**(43)** 29.06.2017  
**(44)** 14.04.2022  
**(72)** Brown, Gareth Edward George  
**(74)** Griffith Hack

**(71)** PepsiCo, Inc.  
**(11)** AU-B-2017325729  
**(21)** 2017325729 **(22)** 14.09.2017  
**(54)** Compositions and methods for improv-  
 ing taste of non-nutritive sweeteners  
**(51)** Int. Cl.  
**A23L 2/60** ( 2006.01 )  
**A23G 3/00** ( 2006.01 )  
**A23L 27/30** ( 2016.01 )  
**C07H 1/00** ( 2006.01 )  
**C07H 5/02** ( 2006.01 )  
**C07K 5/075** ( 2006.01 )  
**(87)** WO2018/053135  
**(31)** 62/395,476 **(32)** 16.09.16 **(33)** US  
**(43)** 22.03.2018  
**(44)** 14.04.2022  
**(72)** Browne, Damian; Johnson, Winsome  
**(74)** Allens Patent & Trade Mark Attorneys

**(71)** Perceptive Sensor Technologies LLC  
**(11)** AU-B-2020283140  
**(21)** 2020283140 **(22)** 29.05.2020  
**(54)** Non-linear ultrasound method and ap-  
 paratus for quantitative detection of ma-  
 terials (liquids, gas, plasma)  
**(51)** Int. Cl.  
**G01G 17/04** ( 2006.01 )  
**G01F 23/20** ( 2006.01 )  
**G01F 23/28** ( 2006.01 )  
**G01F 23/296** ( 2022.01 )  
**(87)** WO2020/243628  
**(31)** 62/855,514 **(32)** 31.05.19 **(33)** US  
**(43)** 03.12.2020  
**(44)** 14.04.2022  
**(72)** HEIM, James M.  
**(74)** Wallington-Dummer

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(71) PGS Geophysical AS  
 (11) AU-B-2017200847  
 (21) 2017200847 (22) 08.02.2017  
 (54) Streamer cleaning apparatus and associated systems and methods  
 (51) Int. Cl.  
*G01V 13/00* ( 2006.01 )  
*B08B 1/02* ( 2006.01 )  
*G01V 1/20* ( 2006.01 )  
*G01V 1/38* ( 2006.01 )  
*G01V 3/15* ( 2006.01 )  
 (31) 62/294,110 (32) 11.02.16 (33) US  
 15/281,961 30.09.16 US  
 (43) 31.08.2017  
 (44) 14.04.2022  
 (72) Vasbo, Christian; Hauge, Thomas; Carlen, Andreas  
 (74) Davies Collison Cave Pty Ltd

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 (21) 2020267205

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(71) Poseida Therapeutics, Inc.  
 (11) AU-B-2016288237  
 (21) 2016288237 (22) 01.07.2016  
 (54) Compositions and methods for delivery of gene editing tools using polymeric vesicles  
 (51) Int. Cl.  
*C12N 15/63* ( 2006.01 )  
*A61K 48/00* ( 2006.01 )  
*C12N 9/22* ( 2006.01 )  
 (87) WO2017/004509  
 (31) 15/199,021 (32) 30.06.16 (33) US  
 62/187,942 02.07.15 US  
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 (43) 05.01.2017  
 (44) 14.04.2022  
 (72) Ghoroghchian, P. Peter; Yewle, Jivan Namdeo  
 (74) Spruson & Ferguson

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(71) PREBENA Wilfried Bornemann GmbH & Co. KG  
 (11) AU-B-2019306305  
 (21) 2019306305 (22) 18.07.2019  
 (54) Compressed-air-operated expulsion device  
 (51) Int. Cl.  
*B25C 1/04* ( 2006.01 )  
*B25C 1/06* ( 2006.01 )  
 (87) WO2020/016383  
 (31) 10 2018 117 519.1 (32) 19.07.18 (33) DE  
 (43) 23.01.2020  
 (44) 14.04.2022  
 (72) RUECKLINGER, Werner  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

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(71) ProQR Therapeutics II B.V.  
 (11) AU-B-2016335032  
 (21) 2016335032 (22) 05.10.2016  
 (54) Use of single-stranded antisense oligonucleotide in prevention or treatment

of genetic diseases involving a trinucleotide repeat expansion  
 (51) Int. Cl.  
*C12N 15/113* ( 2010.01 )  
 (87) WO2017/060317  
 (31) 1517565.6 (32) 05.10.15 (33) GB  
 1604253.3 11.03.16 GB  
 (43) 13.04.2017  
 (44) 14.04.2022  
 (72) Adamson, Peter; Turunen, Janne Juha; Platenburg, Gerardus Johannes  
 (74) Jones Tulloch

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(71) Qingdao Haier Co., Ltd.  
 (11) AU-B-2018424231  
 (21) 2018424231 (22) 26.12.2018  
 (54) Ice crushing device and refrigerator  
 (51) Int. Cl.  
*F25C 5/04* ( 2006.01 )  
 (87) WO2019/223305  
 (31) 201810489417.7 (32) 21.05.18 (33) CN  
 (43) 28.11.2019  
 (44) 14.04.2022  
 (72) ZHANG, Kui; ZHU, Xiaobing; ZHANG, Yanqing; CUI, Chuan; XUE, Jianjun; MI, Bo  
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(71) Qingdao Haier Co., Ltd.  
 (11) AU-B-2018424232  
 (21) 2018424232 (22) 26.12.2018  
 (54) Ice-crushing device and refrigerator  
 (51) Int. Cl.  
*F25C 5/04* ( 2006.01 )  
 (87) WO2019/223306  
 (31) 201810489420.9 (32) 21.05.18 (33) CN  
 (43) 28.11.2019  
 (44) 14.04.2022  
 (72) ZHANG, Kui; ZHU, Xiaobing; ZHANG, Yanqing; XUE, Jianjun; CUI, Chuan; ZHAO, Zhenyu  
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(71) Qingdao Haier Refrigerator Co., Ltd.; Haier Smart Home Co., Ltd.; Haier US Appliance Solutions, Inc.  
 (11) AU-B-2019341285  
 (21) 2019341285 (22) 18.09.2019  
 (54) Clear barrel ice maker  
 (51) Int. Cl.  
*F25C 5/04* ( 2006.01 )  
*F25C 1/04* ( 2018.01 )  
 (87) WO2020/057550  
 (31) 16/135,110 (32) 19.09.18 (33) US  
 (43) 26.03.2020  
 (44) 14.04.2022  
 (72) JUNG, Brent Alden; BESORE, John Keith  
 (74) Spruson & Ferguson

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(71) Qingdao University of Technology  
 (11) AU-B-2020327349  
 (21) 2020327349 (22) 07.05.2020  
 (54) Energy-consuming latticed column structure with dense batten plates and use method  
 (51) Int. Cl.

*E04H 9/02* ( 2006.01 )  
*E04B 1/98* ( 2006.01 )  
 (87) WO2021/184511  
 (31) 202010197480.0 (32) 19.03.20 (33) CN  
 (43) 07.10.2021  
 (44) 14.04.2022  
 (72) ZHAO, Jianfeng; MENG, Fantao; RU-AN, Xingqun; YUAN, Changfeng  
 (74) Spruson & Ferguson

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(71) Qingdao University of Technology  
 (11) AU-B-2021254584  
 (21) 2021254584 (22) 20.10.2021  
 (54) Visual corridor planning and design method and system for urban motorized transportation environment  
 (51) Int. Cl.  
*G02B 27/02* ( 2006.01 )  
*G02B 27/06* ( 2006.01 )  
 (31) 2021109384721 (32) 16.08.21 (33) CN  
 (43) 14.04.2022  
 (44) 14.04.2022  
 (72) Pang, Feng; Wang, Lisha; Wang, Li; Liu, Shan; Dong, Haitao; Wang, Zong-peng; Li, Xin  
 (74) Spruson & Ferguson

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(71) Qualcomm Incorporated  
 (11) AU-B-2017237721  
 (21) 2017237721 (22) 24.02.2017  
 (54) Methods and systems for utilizing information collected from multiple sensors to protect a vehicle from malware and attacks  
 (51) Int. Cl.  
*G06F 21/50* ( 2013.01 )  
*B60W 50/14* ( 2012.01 )  
 (87) WO2017/165074  
 (31) 15/081,450 (32) 25.03.16 (33) US  
 (43) 28.09.2017  
 (44) 14.04.2022  
 (72) Gupta, Rajarshi; Das, Saumitra Mohan; Krishnamurthi, Govindarajan; Ahmadzadeh, Seyed Ali  
 (74) Madderns Pty Ltd

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(71) Qualcomm Incorporated  
 (11) AU-B-2017264413  
 (21) 2017264413 (22) 30.03.2017  
 (54) Techniques for transmitting uplink control information in low latency wireless communications  
 (51) Int. Cl.  
*H04L 5/00* ( 2006.01 )  
 (87) WO2017/196457  
 (31) 62/335,626 (32) 12.05.16 (33) US  
 62/417,700 04.11.16 US  
 15/473,188 29.03.17 US  
 (43) 16.11.2017  
 (44) 14.04.2022  
 (72) Hosseini, Seyedkianoush; Patel, Shiman Arvind; Chen, Wanshi; Sun, Jing; Gaal, Peter; Montojo, Juan  
 (74) Madderns Pty Ltd

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(71) Qualcomm Incorporated  
 (11) AU-B-2017315300

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- (21) 2017315300 (22) 30.06.2017  
 (54) Data channel resource allocation  
 (51) Int. Cl.  
*H04L 5/00* ( 2006.01 )  
*H04W 72/04* ( 2009.01 )  
*H04W 72/12* ( 2009.01 )  
*H04W 74/00* ( 2009.01 )  
 (87) WO2018/038809  
 (31) 15/637,409 (32) 29.06.17 (33) US  
 62/380,252 26.08.16 US  
 (43) 01.03.2018  
 (44) 14.04.2022  
 (72) Akkarakaran, Sony; Luo, Tao; Li, Wenjun; Maharshi, Atul; Subramanian, Sundar  
 (74) Madderns Pty Ltd
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- (71) Qualcomm Incorporated  
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*B01D 29/23* ( 2006.01 )  
*B04C 9/00* ( 2006.01 )  
*C02F 11/12* ( 2019.01 )  
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 (74) Spruson & Ferguson

(71) Yuhan Corporation  
 (11) AU-B-2018308039  
 (21) 2018308039 (22) 25.07.2018  
 (54) Novel intermediates useful for the synthesis of aminopyrimidine derivatives, process for preparing the same, and process for preparing aminopyrimidine derivatives using the same  
 (51) Int. Cl.  
*C07D 413/14* ( 2006.01 )  
*A61K 31/506* ( 2006.01 )  
*A61K 31/5377* ( 2006.01 )  
 (87) WO2019/022486  
 (31) 10-2017-0096220 (32) 28.07.17 (33) KR  
 (43) 31.01.2019  
 (44) 14.04.2022  
 (72) OH, Sang-Ho; KHOO, Ja-Heouk; LIM, Jong-Chul; LEE, Doo-Byung; LEE, Jung-Ae; LEE, Jun-Sup; JU, Hyun; SHIN, Woo-Seob; JEON, Sang-Seol  
 (74) Spruson & Ferguson

**Yungfang, L. see Regents of the University of Minnesota**  
 (21) 2018355462

(71) Zebra Technologies Corporation  
 (11) AU-B-2019381599  
 (21) 2019381599 (22) 16.09.2019  
 (54) Method and apparatus for labeling of support structures  
 (51) Int. Cl.  
*G09F 3/20* ( 2006.01 )  
*G06F 3/147* ( 2006.01 )  
*G06Q 10/08* ( 2012.01 )

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**G09F 3/18** ( 2006.01 )

- (87) WO2020/101798  
(31) 16/189,783 (32) 13.11.18 (33) US  
(43) 22.05.2020  
(44) 14.04.2022  
(72) BEACH, Robert E.  
(74) Spruson & Ferguson
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- (71) Zymedi Co., Ltd.  
(11) AU-B-2018332491  
(21) 2018332491 (22) 17.09.2018  
(54) Pharmaceutical composition comprising antibody binding specifically to lysyl-tRNA synthetase N-terminus as effective ingredient for preventing or treating immune cell migration-related disease  
(51) Int. Cl.  
**A61K 39/395** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
(87) WO2019/054819  
(31) 10-2017-0118917 (32) 15.09.17 (33) KR  
(43) 21.03.2019  
(44) 14.04.2022  
(72) KWON, Nam Hoon; LEE, Jin Young;  
KIM, Sunghoon  
(74) Allens Patent & Trade Mark Attorneys

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<b>2015409757</b>	Beijing JinTai ChengRui Technology Development Co. Ltd.	<b>2017221213</b>	Caterpillar Global Mining LLC
<b>2016203504</b>	The Boeing Company	<b>2017223037</b>	Debiopharm International S.A.
<b>2016205254</b>	North Carolina State University	<b>2017229968</b>	Trividia Health, Inc.
<b>2016208312</b>	Grifols Worldwide Operations Limited	<b>2017230910</b>	Jensen Denmark A/S
<b>2016211124</b>	Evolva SA	<b>2017237721</b>	Qualcomm Incorporated
<b>2016226277</b>	University of Miami	<b>2017245653</b>	Quretech Bio AB; Washington University in Saint Louis
<b>2016237086</b>	Chugai Seiyaku Kabushiki Kaisha	<b>2017246073</b>	Mausser-Werke GmbH
<b>2016243623</b>	GreenLight Biosciences, Inc.	<b>2017250692</b>	STRYKER EUROPEAN OPERATIONS HOLDINGS LLC
<b>2016244341</b>	Hazlehurst, M.	<b>2017251485</b>	Hager-Electro SAS
<b>2016267606</b>	Ecolab USA Inc.	<b>2017252439</b>	iBiquity Digital Corporation
<b>2016271292</b>	The Medical College of Wisconsin, Inc.	<b>2017252643</b>	Inspire Medical Systems, Inc.
<b>2016280002</b>	North Carolina State University	<b>2017252763</b>	Dometic Sweden AB
<b>2016288237</b>	Poseida Therapeutics, Inc.	<b>2017258454</b>	Amri, M.
<b>2016306320</b>	Osaka University	<b>2017258560</b>	BASF SE
<b>2016308290</b>	Rakuten Medical, Inc.	<b>2017259617</b>	ViCentra B.V.
<b>2016312846</b>	University of Otago	<b>2017262128</b>	Sony Corporation
<b>2016318785</b>	The Children's Hospital of Philadelphia	<b>2017263076</b>	Liaver GmbH & Co.kg
<b>2016320764</b>	Fisher & Paykel Healthcare Limited	<b>2017263253</b>	Merck Sharp & Dohme Corp.
<b>2016321503</b>	Alaya (Shanghai) Bioscience Co., Ltd	<b>2017264413</b>	Qualcomm Incorporated
<b>2016325209</b>	Opko Ireland Global Holdings Ltd.	<b>2017264835</b>	ARC Medical Design Limited
<b>2016328252</b>	BASF Agricultural Solutions Seed US LLC	<b>2017265144</b>	Encompass Corporation Pty Ltd
<b>2016330261</b>	APR Applied Pharma Research S.A.	<b>2017266724</b>	Scandion Oncology A/S
<b>2016335032</b>	ProQR Therapeutics II B.V.	<b>2017267967</b>	Source Global, PBC
<b>2016336868</b>	Ludwig-Maximilians-Universität München	<b>2017269647</b>	Nunhems B.V.
<b>2016341063</b>	Aziende Chimiche Riunite Angelini Francesco A.C.R.A.F. S.p.A.	<b>2017270092</b>	University of Pittsburgh - Of the Commonwealth System of Higher Education; The Brigham And Women's Hospital, Inc.
<b>2016345552</b>	Solani Therapeutics Ltd	<b>2017271673</b>	Berkeley Lights, Inc.
<b>2016346003</b>	IHC Holland IE B.V.	<b>2017274074</b>	Hair Charms By Kela Pty Ltd
<b>2016348531</b>	Oklahoma Safety Equipment Company, Inc.	<b>2017276799</b>	Commonwealth Scientific and Industrial Research Organisation
<b>2016349953</b>	CiiLOCK Engineering Pty Ltd	<b>2017277905</b>	Stenmark, P.; Children's Medical Center Corporation
<b>2016353151</b>	Lacriscience, LLC	<b>2017277925</b>	Husqvarna AB
<b>2016355120</b>	McCuaig, R.	<b>2017280757</b>	Tovis Co., Ltd.
<b>2016355337</b>	USA Industries, LLC	<b>2017282545</b>	Suntory Holdings Limited
<b>2016358098</b>	Global Specimen Solutions, Inc.	<b>2017283802</b>	Cellply S.R.L.
<b>2016359617</b>	eFFECTOR Therapeutics, Inc.	<b>2017284889</b>	Joh. Friedrich Behrens AG
<b>2016361413</b>	Berkeley Lights, Inc.	<b>2017288857</b>	THUR S.R.L.
<b>2016366502</b>	Biotage AB	<b>2017294210</b>	Suzhou Siphon Plastic Products Co., Ltd
<b>2016372396</b>	Neurophyxia B.V.	<b>2017300019</b>	Schneider Electric Industries SAS
<b>2016375317</b>	Koninklijke Philips N.V.	<b>2017303835</b>	Crown Packaging Technology, Inc.
<b>2016375999</b>	Goodwin PLC	<b>2017314753</b>	Biofiber Tech Sweden AB
<b>2016376007</b>	Peak Well Systems Pty Ltd; Peak Well Systems Limited	<b>2017315300</b>	Qualcomm Incorporated
<b>2016381833</b>	Berkeley Lights, Inc.	<b>2017317654</b>	Command Alkon Incorporated
<b>2016398366</b>	Hepa Wash GmbH	<b>2017318725</b>	Bioionix, Inc.
<b>2016409482</b>	Shock Doctor, Inc.	<b>2017323418</b>	Rottapharm SpA
<b>2016409499</b>	Husqvarna AB	<b>2017325729</b>	PepsiCo, Inc.
<b>2016416525</b>	Hubbell Incorporated	<b>2017326630</b>	The Coca-Cola Company
<b>2016419450</b>	Enzymotec Ltd.	<b>2017335997</b>	Wm. Wrigley Jr. Company
<b>2016429558</b>	Guangdong Oppo Mobile Telecommunications Corp., Ltd.	<b>2017336066</b>	Magic Leap, Inc.
<b>2016434856</b>	Transitions Optical, Ltd.	<b>2017339255</b>	Innovative Surgical Solutions, LLC
<b>2017200688</b>	Stuart, I.	<b>2017339723</b>	Mars, Incorporated
<b>2017200847</b>	PGS Geophysical AS	<b>2017341105</b>	QUZZUP S.R.L.
<b>2017201048</b>	Honeywell International Inc.	<b>2017344750</b>	Deakin University
<b>2017202807</b>	Linde Aktiengesellschaft	<b>2017344974</b>	Janny SARL
<b>2017204507</b>	THALES	<b>2017345605</b>	The Coca-Cola Company
<b>2017207036</b>	Optipro Corp Ltd.	<b>2017348351</b>	General Cable Technologies Corporation; Novota Industries
<b>2017207344</b>	Aurora Flight Sciences Corporation	<b>2017350556</b>	Corning Incorporated
<b>2017207359</b>	ChemoCentryx, Inc.	<b>2017355564</b>	The United States of America, as represented by the Secretary, Department of Health and Human Services
<b>2017209221</b>	China Petroleum & Chemical Corporation; Sinopec Southwest Oil & Gas Company	<b>2017355639</b>	Tableau Software, LLC
<b>2017210355</b>	Oxo Fab Inc.	<b>2017365956</b>	Reaxing S.r.l.
<b>2017212150</b>	Kiellerup, A.	<b>2017367692</b>	Carver Scientific, Inc.
<b>2017212452</b>	Jiangsu Hengrui Medicine Co., Ltd.	<b>2017368745</b>	IFP Energies Nouvelles; Holcim Technology Ltd
<b>2017212657</b>	DEKA Products Limited Partnership	<b>2017373823</b>	Benchmark Animal Health Limited
<b>2017213801</b>	Immunolight, LLC.; Duke University	<b>2017379315</b>	Illumina Cambridge Limited
<b>2017214252</b>	La Marzocco S.r.l.		
<b>2017217521</b>	Ecolab USA Inc.		

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2017384316	Japan Tobacco Inc.	2019254962	Tianjin Hemay Pharmaceutical Sci-Tech Co., Ltd
2017388456	Cryovac, LLC	2019257404	Les Matériaux De Construction Oldcastle Canada, Inc.
2017401979	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	2019257596	MedicaSafe, Inc.,
2017402155	Liu, J.; Nippon Zoki Pharmaceutical Co., Ltd.	2019274427	Boston Scientific Neuromodulation Corporation
2017407363	Blonder Tongue Laboratories, Inc.	2019274443	Kalamazoo Holdings, Inc.
2018200370	ALSTOM Transport Technologies	2019281306	Ningbo Fotile Kitchen Ware Co., Ltd
2018202451	Electronic Controls Company; Sungju Sound Corp.	2019283997	Derrick Corporation
2018205277	The Johns Hopkins University; Institute of Organic Chemistry and Biochemistry AS CR v.v.i.	2019290545	F. Hoffmann-La Roche AG
2018207866	CHT Germany GmbH	2019297850	Bunka Shutter Co., Ltd.
2018214650	Amolyt Pharma	2019302087	Kubota Corporation
2018216954	Janssen Vaccines & Prevention B.V.	2019306305	PREBENA Wilfried Bornemann GmbH & Co. KG
2018217728	Hypertherm, Inc.	2019312204	XploSafe, LLC
2018221322	Eli Lilly and Company	2019312471	Atlas Elektronik GmbH; thyssenkrupp AG
2018223214	CMTE Development Limited	2019315447	Ocean Cleaner, LLC
2018230542	NUTRITION & BIOSCIENCES USA 1, LLC	2019327429	Conmed Corporation
2018230664	Weatherford Technology Holdings, LLC	2019333201	Avation Medical, Inc.
2018236075	Halliburton Energy Services, Inc.	2019336593	ViaLase, Inc.
2018244357	FMC Corporation	2019341285	Qingdao Haier Refrigerator Co., Ltd.; Haier Smart Home Co., Ltd.; Haier US Appliance Solutions, Inc.
2018251604	Chase Therapeutics Corporation	2019342223	Swarfix AS
2018251967	Chr. Hansen A/S	2019345268	Conmed Corporation
2018258100	Eli Lilly and Company	2019346381	Becton, Dickinson and Company
2018258268	General Electric Company	2019347711	Siemens Healthcare Diagnostics Inc.
2018274715	Vexo International (UK) Limited	2019351762	Memjet Technology Limited
2018277537	FMC Corporation	2019353012	ConMed Corporation
2018286964	UNION therapeutics A/S	2019356439	Conmed Corporation
2018288018	Curadev Pharma Limited	2019373983	Assa Abloy AB
2018288771	The Board of Trustees of the Leland Stanford Junior University; Sun, T.	2019374584	Asahi Kasei Kabushiki Kaisha
2018305612	Chia Tai Tianqing Pharmaceutical Group Co., Ltd.	2019378072	Abu Dhabi Polymers Co. Ltd (Borouge) L.L.C.; Borealis AG
2018308039	Yuhan Corporation	2019379868	The University of Sydney; The Sydney Children's Hospitals Network (Randwick and Westmead)
2018314488	Novamont S.P.A.	2019379984	Unilever IP Holdings B.V.
2018314622	Huawei Technologies Co., Ltd.	2019380422	Conmed Corporation
2018324425	Cohesity, Inc.	2019381599	Zebra Technologies Corporation
2018332491	Zymedi Co., Ltd.	2019387395	African Rainbow Minerals Limited
2018337541	LG Electronics Inc.	2019388543	Techtronic Floor Care Technology Limited
2018355462	Regents of the University of Minnesota; Wu, J.; Walcheck, B.; Hullsiek, R.; Yungfang, L.; Mishra, H.	2019395786	Nicoventures Trading Limited
2018355743	Boehringer Ingelheim International GmbH; Hydra Biosciences, LLC	2019409732	Unilever IP Holdings B.V.
2018368810	Gale Pacific Limited	2019415870	Sinovation (Beijing) Medical Technology Co. Ltd
2018376804	Nicoventures Trading Limited	2019420384	Casio Computer Co., Ltd.
2018377036	Taiho Pharmaceutical Co., Ltd.	2019440921	Sports-Net Co., Ltd.
2018377964	Loc Performance Products, LLC	2020200414	The University of British Columbia
2018406921	Hitachi Chemical Company, Ltd.	2020201697	Marine Canada Acquisition Inc.
2018407905	Institute of Cotton Research, Chinese Academy of Agricultural Sciences	2020201756	Medtronic Xomed, Inc.
2018418453	South China University of Technology	2020202383	Chugai Seiyaku Kabushiki Kaisha
2018424231	Qingdao Haier Co., Ltd.	2020202453	The Board of Trustees of the University of Illinois; The Board of Regents of the University of Texas System
2018424232	Qingdao Haier Co., Ltd.	2020202779	Google LLC
2018427607	Mitsubishi Electric Corporation	2020202780	Factor Bioscience Inc.
2018438250	Fujitsu Limited	2020202956	TNBT HOLDINGS PTY LTD
2018441890	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP.,LTD.	2020203003	Apple Inc.
2018445547	Beijing Guanghe New Energy Technology Co., Ltd.	2020203720	The Population Council, Inc.; The United States of America, as represented by the Secretary, Department of Health and Human Services
2018452252	Essity Hygiene and Health Aktiebolag	2020203850	Immatics Biotechnologies GmbH
2019200927	Elbex Video Ltd.	2020204103	Cornia, A.; Lira, F.
2019212400	CJ Cheiljedang Corporation	2020204344	CRISI Medical Systems, Inc.
2019215799	The University of Sydney	2020204382	Chemical & Biopharmaceutical Laboratories of Patras S.A.
2019218827	Haldor Topsøe A/S	2020204494	Shire Human Genetic Therapies, Inc.
2019220720	Orica International Pte Ltd	2020205237	Alkermes Pharma Ireland Limited
2019232931	Selecta Biosciences, Inc.	2020213280	Interdigital Patent Holdings, Inc.
2019232934	Selecta Biosciences, Inc.	2020213405	Bidi Vapor, LLC
2019234226	ExxonMobil Upstream Research Company	2020213408	Bidi Vapor, LLC
2019240046	illumina, Inc.	2020217303	Anaconda Biomed, S.L.
2019240977	Kunming University of Science and Technology	2020217331	Huang, V.
2019247004	China Mobile Communication Co., Ltd Research Institute; China Mobile Communications Group Co., Ltd.	2020223687	Chugai Saiyaku Kabushiki Kaisha
2019250180	Oregon Health & Science University	2020227098	Fisher & Paykel Healthcare Limited
2019253678	Becton Dickinson and Company Limited	2020233672	Genomatica, Inc.
2019254040	Telefonaktiebolaget LM Ericsson (publ)	2020239623	BEIJING DIDI INFINITY TECHNOLOGY AND DEVELOPMENT CO., LTD.

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2020244380 Google LLC  
2020244559 DEKA Products Limited Partnership  
2020244591 Qualcomm Incorporated  
2020250185 Boehringer Ingelheim International GmbH; Hydra Biosciences, LLC  
2020250770 SAF-Holland GmbH  
2020257086 Nocira, LLC  
2020260543 Bullfrog International, L.C.  
2020267205 Dibrov, P.; Dibrov, E.; Pierce, G.  
2020270516 HONEYWELL INTERNATIONAL INC.  
2020273341 DGIT Systems Pty Ltd  
2020273378 Veltek Associates, Inc.  
2020277274 AMO Groningen B.V.  
2020281007 Motorola Solutions, Inc.  
2020283140 Perceptive Sensor Technologies LLC  
2020289084 Abiogen Pharma S.p.A.  
2020289836 Hanwha Corporation  
2020294303 Telefonaktiebolaget LM Ericsson (Publ)  
2020309801 JSP Limited  
2020317482 Tokyo Gas Co., Ltd.; The University of Tokyo  
2020327349 Qingdao University of Technology  
2020341341 JPMorgan Chase Bank, N.A.  
2020345605 Intuit Inc.  
2020351844 3M Innovative Properties Company  
2020361439 Carty, T.; Clarkson, G.  
2021200042 Innomed One, LLC  
2021200087 Qualcomm Incorporated  
2021200445 The Boeing Company  
2021200495 eMoMo Technology Co., Ltd.  
2021201702 IMASCAP  
2021201925 Allied Bioscience, Inc.  
2021202449 Waymo LLC  
2021203030 Mallinckrodt Pharmaceuticals Ireland Limited  
2021203575 Lumenis Ltd  
2021204062 Vermeer Manufacturing Company  
2021206818 Institute of Geology and Geophysics, Chinese Academy of Sciences  
2021218693 Innovation Logic Intellectual Property Pty Ltd  
2021240305 Hydrawall Pty Ltd,  
2021254584 Qingdao University of Technology  
2021261882 VANDA PHARMACEUTICALS INC.  
2022200402 LGHorizon, LLC  
2022201016 Opus RV Pty Ltd

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2016409499	<b><u>A23B 7 /-</u></b>	2018376804	2017339255	2019254962	2017213801
2017277925	2017335997	<b><u>A41B 11 /-</u></b>	2019327429	2019290545	
<b><u>A01D 43 /-</u></b>	2019379984		2019420384	2020202453	<b><u>A61K 8 /-</u></b>
2016409499	<b><u>A23D 9 /-</u></b>	2016355120	<b><u>A61B 90 /-</u></b>	2020203720	
<b><u>A01D 69 /-</u></b>	2016419450	<b><u>A41D 19 /-</u></b>	2017250692	2020205237	2016419450
2017277925	<b><u>A23F 3 /-</u></b>	2017207036	2019353012	2020223687	2017282545
<b><u>A01H 1 /-</u></b>	2017282545	<b><u>A41D 31 /-</u></b>	<b><u>A61C 1 /-</u></b>	2020250185	<b><u>A61K 9 /-</u></b>
2018407905	<b><u>A23G 1 /-</u></b>	2017207036	2020201756	2020267205	
<b><u>A01H 5 /-</u></b>	2017339723	<b><u>A41G 5 /-</u></b>	<b><u>A61F 11 /-</u></b>	2021261882	<b><u>A61K 33 /-</u></b>
2016328252	<b><u>A23G 3 /-</u></b>	2017274074	2020257086	2020203720	2016312846
<b><u>A01K 15 /-</u></b>	2017325729	<b><u>A42B 3 /-</u></b>	2020309801	<b><u>A61K 35 /-</u></b>	2016321503
2019312204	2017335997	<b><u>A45D 8 /-</u></b>	2020351844	2016208312	2016325209
<b><u>A01N 25 /-</u></b>	2017335997	<b><u>A47L 5 /-</u></b>	<b><u>A61F 13 /-</u></b>	2016306320	2016330261
2018314488	<b><u>A23G 4 /-</u></b>	2020309801	2018452252	2016336868	2016345552
<b><u>A01N 31 /-</u></b>	2017335997	<b><u>A47J 31 /-</u></b>	<b><u>A61F 2 /-</u></b>	2017402155	2017212452
2017323418	<b><u>A23L 2 /-</u></b>	2017214252	2020277274	2018355462	2019232931
2018314488	2017325729	<b><u>A47L 5 /-</u></b>	<b><u>A61F 5 /-</u></b>	<b><u>A61K 38 /-</u></b>	2019232934
<b><u>A01N 37 /-</u></b>	2017326630	2021204062	2016409482	2020204494	2020203720
2017323418	2017345605	<b><u>A47L 9 /-</u></b>	<b><u>A61F 9 /-</u></b>	2020205237	2020205237
2017373823	<b><u>A23L 23 /-</u></b>	2019388543	2019336593	<b><u>A61L 29 /-</u></b>	
2018314488	2019409732	<b><u>A61B 1 /-</u></b>	2019440921	2016237086	2019346381
<b><u>A01N 43 /-</u></b>	<b><u>A23L 27 /-</u></b>	2017264835	<b><u>A61J 1 /-</u></b>	2016271292	<b><u>A61M 1 /-</u></b>
2017373823	2017325729	<b><u>A61B 10 /-</u></b>	2019253678	2017277905	2016398366
2018244357	2019379984	<b><u>A61B 17 /-</u></b>	2019257596	2018214650	2020244559
2018277537	<b><u>A23L 29 /-</u></b>	2019420384	<b><u>A61K 31 /-</u></b>	2018258100	
<b><u>A01N 47 /-</u></b>	2017282545	<b><u>A61B 18 /-</u></b>	2016318785	2020203720	<b><u>A61M 13 /-</u></b>
2017373823	2018230542	2021203575	2016321503	<b><u>A61K 39 /-</u></b>	2016398366
<b><u>A01N 51 /-</u></b>	2019409732	2019345268	2016325209	2016208312	2020244559
2017373823	<b><u>A23L 3 /-</u></b>	2019353012	2016330261	2016306320	2019345268
<b><u>A01P 1 /-</u></b>	2017282545	2019355564	2016341063	2017355564	<b><u>A61M 16 /-</u></b>
2017323418	<b><u>A23L 33 /-</u></b>	2019380422	2016345552	2018332491	2016320764
<b><u>A01P 13 /-</u></b>	2016330261	2020201756	2016359617	2019232931	2020227098
2018314488	2016419450	2020217303	2016372396	2019232934	2021203030
<b><u>A01P 7 /-</u></b>	2017339723	2021200042	2017207359	2020202383	<b><u>A61M 39 /-</u></b>
2017373823	<b><u>A23P 20 /-</u></b>	2021201702	2017223037	2020203850	2019345268
<b><u>A21D 13 /-</u></b>	2018376804	2021203575	2017245653	<b><u>A61K 41 /-</u></b>	<b><u>A61M 5 /-</u></b>
2017339723	<b><u>A24D 1 /-</u></b>	2016353151	2017263253	2016312846	2017212657
2018230542	2018376804	<b><u>A61B 3 /-</u></b>	2017266724	2017213801	2020204344
<b><u>A21D 2 /-</u></b>	2019395786	2021203575	2017384316	<b><u>A61K 45 /-</u></b>	2017212657
	2020213405	<b><u>A61B 34 /-</u></b>	2018205277	2016330261	2019232934
	2020213408	2019415870	2018216954	2016341063	<b><u>A61K 47 /-</u></b>
			2018221322	2016372396	2016271292
			2018251604	2017245653	2016308290
			2018288018	2020202453	2016325209
			2018288771	<b><u>A61K 48 /-</u></b>	2016345552
			2018305612	2016312846	2017212452
			2018308039	2017282545	2021203575
			2018355743	2019232931	
			2018377036	2019232934	<b><u>A61P 1 /-</u></b>
			2019215799	2016288237	2018221322
			2019232931	2020202780	2018305612
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<b><u>A61P 11 /-</u></b>	<b><u>A61P 5 /-</u></b>	<b><u>B07B 1 /-</u></b>	<b><u>B41J 2 /-</u></b>	<b><u>B64C 27 /-</u></b>	<b><u>C02F 11 /-</u></b>
2017270092 2019254962	2016325209	2019283997	2019351762	2017344750	2021204062
<b><u>A61P 13 /-</u></b>	<b><u>A61P 9 /-</u></b>	<b><u>B08B 1 /-</u></b>	<b><u>B41J 25 /-</u></b>	<b><u>B64C 29 /-</u></b>	<b><u>C03C 25 /-</u></b>
2016325209 2018305612	2017270092 2018305612 2020223687	2017200847	2019351762	2017207344	2017350556
<b><u>A61P 17 /-</u></b>	<b><u>A61Q 15 /-</u></b>	<b><u>B08B 17 /-</u></b>	<b><u>B41J 29 /-</u></b>	<b><u>B64C 3 /-</u></b>	<b><u>C04B 7 /-</u></b>
2019254962 2020205237	2017282545	2016375317	2019351762 2020273378	2017207344	2017368745
<b><u>A61P 19 /-</u></b>	<b><u>A63B 21 /-</u></b>	<b><u>B21D 22 /-</u></b>	<b><u>B60D 1 /-</u></b>	<b><u>B64C 39 /-</u></b>	<b><u>C07B 61 /-</u></b>
2016271292	2017365956	2017303835	2020250770	2017207344	2020317482
<b><u>A61P 25 /-</u></b>	<b><u>A63B 69 /-</u></b>	<b><u>B21K 1 /-</u></b>	<b><u>B60P 3 /-</u></b>	<b><u>B64C 5 /-</u></b>	<b><u>C07C 1 /-</u></b>
2016312846 2016318785 2016341063 2016372396 2017402155 2018205277 2020205237 2020223687	2017365956	2017221213	2022201016	2017207344	2018445547 2020317482
<b><u>A61P 29 /-</u></b>	<b><u>B01D 29 /-</u></b>	<b><u>B23B 31 /-</u></b>	<b><u>B60R 11 /-</u></b>	<b><u>B64D 27 /-</u></b>	<b><u>C07C 51 /-</u></b>
2019232931	2018274715 2020260543 2021204062	2020201756	2019302087	2017207344	2019218827
<b><u>A61P 3 /-</u></b>	<b><u>B01D 35 /-</u></b>	<b><u>B23B 51 /-</u></b>	<b><u>B60W 50 /-</u></b>	<b><u>B64G 1 /-</u></b>	<b><u>C07C 59 /-</u></b>
2016325209 2018305612 2020223687	2018274715 2020260543	2020201756	2017237721	2021200445	2019218827
<b><u>A61P 31 /-</u></b>	<b><u>B01D 37 /-</u></b>	<b><u>B23K 35 /-</u></b>	<b><u>B61L 99 /-</u></b>	<b><u>B65B 11 /-</u></b>	<b><u>C07C 67 /-</u></b>
2016208312 2016321503 2017223037 2017245653 2018216954 2020203720 2020267205	2017267967	2016375999	2018200370	2017388456	2019218827
<b><u>A61P 35 /-</u></b>	<b><u>B01D 53 /-</u></b>	<b><u>B25C 1 /-</u></b>	<b><u>B62D 51 /-</u></b>	<b><u>B65B 7 /-</u></b>	<b><u>C07C 69 /-</u></b>
2016306320 2016308290 2016325209 2017212452 2017266724 2018205277 2018288018 2018377036 2019215799 2019290545 2021261882	2020260543	2017284889 2019306305	2017277925	2017388456	2019218827
<b><u>A61P 37 /-</u></b>	<b><u>B01D 69 /-</u></b>	<b><u>B28C 7 /-</u></b>	<b><u>B62D 53 /-</u></b>	<b><u>B65D 77 /-</u></b>	<b><u>C07C 9 /-</u></b>
2016271292 2019232931 2020202383	2017276799	2017317654	2020250770	2017246073	2020317482
<b><u>A61P 43 /-</u></b>	<b><u>B01D 71 /-</u></b>	<b><u>B29C 35 /-</u></b>	<b><u>B62D 55 /-</u></b>	<b><u>B65D 81 /-</u></b>	<b><u>C07D 207 /-</u></b>
2017384316	2017276799	2016203504	2018377964	2017344974	2018277537
	<b><u>B01F 23 /-</u></b>	<b><u>B29C 43 /-</u></b>	<b><u>B63B 1 /-</u></b>	<b><u>B65G 43 /-</u></b>	<b><u>C07D 209 /-</u></b>
	2017258560	2016203504	2017212150	2018223214	2018288771 2019254962
	<b><u>B01J 23 /-</u></b>	<b><u>B29C 44 /-</u></b>	<b><u>B63B 35 /-</u></b>	<b><u>B65H 31 /-</u></b>	<b><u>C07D 213 /-</u></b>
	2018445547	2020351844	2017212150	2020273378	2018355743 2019215799 2020250185
	<b><u>B01J 8 /-</u></b>	<b><u>B29C 49 /-</u></b>	<b><u>B63B 59 /-</u></b>	<b><u>B81B 7 /-</u></b>	<b><u>C07D 231 /-</u></b>
	2017318725	2019378072	2016375317	2016381833 2017271673	2017384316
	<b><u>B01L 3 /-</u></b>	<b><u>B29C 70 /-</u></b>	<b><u>B63B 7 /-</u></b>	<b><u>C01B 23 /-</u></b>	<b><u>C07D 235 /-</u></b>
	2016361413 2016366502 2017271673 2018418453	2016203504 2021240305	2017212150	2017202807	2018216954
	<b><u>B03C 1 /-</u></b>	<b><u>B32B 27 /-</u></b>	<b><u>B63G 8 /-</u></b>	<b><u>C01B 3 /-</u></b>	<b><u>C07D 237 /-</u></b>
	2018274715	2021240305	2019312471	2017368745 2019374584	2018244357
	<b><u>B04C 9 /-</u></b>	<b><u>B32B 5 /-</u></b>	<b><u>B63H 20 /-</u></b>	<b><u>C01B 33 /-</u></b>	<b><u>C07D 239 /-</u></b>
	2021204062	2016203504 2018368810	2020201697	2019312204	2018221322 2018288018
		<b><u>B41J 11 /-</u></b>	<b><u>B63H 21 /-</u></b>	<b><u>C02F 1 /-</u></b>	<b><u>C07D 241 /-</u></b>
		2019351762	2020201697	2017318725 2018274715 2020260543	
			<b><u>B63H 25 /-</u></b>		
			2020201697		

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2019215799	<b><u>C07D 495 /-</u></b>	<b><u>C07K 7 /-</u></b>	<b><u>C10B 27 /-</u></b>	<b><u>C12P 13 /-</u></b>	<b><u>D06F 67 /-</u></b>
<b><u>C07D 263 /-</u></b>	2018286964	2018214650	2015409757	2019212400	2017230910
2018216954	<b><u>C07D 498 /-</u></b>	<b><u>C08F 251 /-</u></b>	<b><u>C10B 47 /-</u></b>	<b><u>C12P 15 /-</u></b>	<b><u>D06M 14 /-</u></b>
<b><u>C07D 271 /-</u></b>	2018216954	2017314753	2015409757	2016211124	2017314753
2017266724	<b><u>C07D 519 /-</u></b>	<b><u>C08F 8 /-</u></b>	<b><u>C10B 53 /-</u></b>	<b><u>C12P 19 /-</u></b>	<b><u>D21B 1 /-</u></b>
2018377036	2017384316	2017350556	2015409757	2016211124	2017314753
<b><u>C07D 277 /-</u></b>	2020223687	<b><u>C08H 7 /-</u></b>	<b><u>C10C 3 /-</u></b>	2016280002	<b><u>D21C 1 /-</u></b>
2018216954	<b><u>C07F 9 /-</u></b>	2017314753	2020217331	<b><u>C12P 21 /-</u></b>	2017314753
<b><u>C07D 285 /-</u></b>	2018288018	<b><u>C08H 8 /-</u></b>	<b><u>C10J 3 /-</u></b>	2016237086	<b><u>D21C 3 /-</u></b>
2018288018	2020267205	2017314753	2019387395	2020202383	2018207866
<b><u>C07D 307 /-</u></b>	2020289084	<b><u>C08J 11 /-</u></b>	<b><u>C12C 3 /-</u></b>	<b><u>C12Q 1 /-</u></b>	<b><u>D21C 9 /-</u></b>
2016359617	<b><u>C07H 1 /-</u></b>	2020217331	2019274443	2016205254	2018207866
2018216954	2017325729	<b><u>C08J 5 /-</u></b>	<b><u>C12C 5 /-</u></b>	2016226277	2018207866
2019215799	<b><u>C07H 15 /-</u></b>	2021240305	2019274443	2016243623	<b><u>E02B 15 /-</u></b>
2020267205	2017345605	<b><u>C08K 3 /-</u></b>	<b><u>C12M 1 /-</u></b>	2017229968	2019315447
<b><u>C07D 317 /-</u></b>	<b><u>C07H 19 /-</u></b>	2017348351	2017271673	2019240046	2019347711
2019215799	2017263253	2021240305	2020200414	2020200414	2020202453
<b><u>C07D 401 /-</u></b>	<b><u>C07H 21 /-</u></b>	<b><u>C08K 5 /-</u></b>	<b><u>C12N 1 /-</u></b>	<b><u>C21D 1 /-</u></b>	2019257404
2018216954	2017270092	2017350556	2016211124	2016375999	<b><u>E02D 3 /-</u></b>
2018251604	2020202780	<b><u>C08L 1 /-</u></b>	2016243623	2019240977	2017288857
2018288018	<b><u>C07H 5 /-</u></b>	2017314753	2016280002	<b><u>C21D 6 /-</u></b>	<b><u>E02D 5 /-</u></b>
2018355743	2017325729	<b><u>C08L 23 /-</u></b>	2016306320	2016375999	2017288857
2020250185	<b><u>C07J 43 /-</u></b>	2017294210	<b><u>C12N 15 /-</u></b>	2019240977	<b><u>E02F 3 /-</u></b>
<b><u>C07D 403 /-</u></b>	2018305612	2019378072	2016226277	<b><u>C21D 9 /-</u></b>	2017221213
2018244357	<b><u>C07K 1 /-</u></b>	<b><u>C08L 25 /-</u></b>	2016243623	2016375999	2021204062
2018251604	2020204382	2021240305	2016280002	<b><u>C22C 38 /-</u></b>	<b><u>E02F 9 /-</u></b>
2018288018	<b><u>C07K 14 /-</u></b>	<b><u>C08L 51 /-</u></b>	2016288237	2016375999	2016346003
<b><u>C07D 405 /-</u></b>	2016336868	2017314753	2016306320	<b><u>C23F 11 /-</u></b>	2017221213
2018244357	2017269647	<b><u>C08L 67 /-</u></b>	2017269647	2016267606	<b><u>E03B 3 /-</u></b>
2018288018	2017277905	2021240305	2017270092	<b><u>C25B 1 /-</u></b>	2017267967
2018308039	2017355564	<b><u>C08L 97 /-</u></b>	2018355462	2019374584	<b><u>E04B 1 /-</u></b>
2018377036	2018251967	2017314753	2019212400	<b><u>C25B 11 /-</u></b>	2017263076
<b><u>C07D 413 /-</u></b>	2018258100	<b><u>C09D 1 /-</u></b>	2019250180	2019374584	2017263076
2018216954	2018355462	2017282545	2020202383	<b><u>C25B 15 /-</u></b>	2020327349
2018288018	2019212400	<b><u>C09K 3 /-</u></b>	2020202780	2017318725	2021218693
2018308039	2020203850	2017314753	2020204494	<b><u>C25B 11 /-</u></b>	<b><u>E04B 9 /-</u></b>
2018377036	2020204382	<b><u>C09K 8 /-</u></b>	<b><u>C12N 5 /-</u></b>	2019374584	2017267967
<b><u>C07D 417 /-</u></b>	2016336868	2018236075	2016237086	<b><u>C25D 3 /-</u></b>	<b><u>E04H 1 /-</u></b>
2018216954	2017269647	<b><u>C09K 16 /-</u></b>	2016306320	2017276799	2020204103
2018288018	2017277905	<b><u>C09D 1 /-</u></b>	2016336868	<b><u>C40B 40 /-</u></b>	<b><u>E04H 4 /-</u></b>
2018308039	2017355564	<b><u>C09K 3 /-</u></b>	2018355462	2016243623	2020260543
2018377036	2018251967	2017282545	<b><u>C12N 7 /-</u></b>	<b><u>D04B 21 /-</u></b>	<b><u>E04H 9 /-</u></b>
<b><u>C07D 419 /-</u></b>	2018258100	<b><u>C09K 8 /-</u></b>	2016280002	2018368810	2020327349
2018216954	2018355462	2018236075	<b><u>C12N 9 /-</u></b>		
2018288018	2019212400	<b><u>C09D 1 /-</u></b>	2016211124		
2018308039	2020203850	<b><u>C09K 3 /-</u></b>	2016288237		
2018377036	2020204382	2017282545	2018251967		
<b><u>C07D 471 /-</u></b>	<b><u>C07K 19 /-</u></b>	<b><u>C09K 8 /-</u></b>	2020233672		
2018216954	2016306320	2018236075			
2018288018	2018355462	2017325729			
2019290545	2020202383				
2020223687					
<b><u>C07D 487 /-</u></b>	<b><u>C07K 5 /-</u></b>				
2018205277	2017325729				
2018216954					
<b><u>C07D 491 /-</u></b>					
2017379315					



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<b><u>E05B 1 /-</u></b>	2017250692	2018427607	2019347711	<b><u>G06F 10 /-</u></b>	
2020202956	<b><u>F16H 27 /-</u></b>	<b><u>F28F 1 /-</u></b>	2020200414	<b><u>G06F 11 /-</u></b>	2019381599
<b><u>E05B 41 /-</u></b>	2019353012	2018427607	2020204494	2020203003	2020239623
2020202956	<b><u>F16K 17 /-</u></b>	<b><u>F42D 1 /-</u></b>	2021203030	<b><u>G01N 35 /-</u></b>	<b><u>G06Q 50 /-</u></b>
<b><u>E05B 63 /-</u></b>	2016348531	2020289836	2016381833	2018324425	2016358098
2020202956	<b><u>F16K 27 /-</u></b>	<b><u>G01B 15 /-</u></b>	2017283802	<b><u>G06F 12 /-</u></b>	2020273341
<b><u>E05D 15 /-</u></b>	2016366502	2021201925	<b><u>G01P 15 /-</u></b>	2018324425	2020341341
2016349953	2017210355	<b><u>G01C 21 /-</u></b>	2021206818	<b><u>G06F 13 /-</u></b>	2021202449
<b><u>E05F 15 /-</u></b>	<b><u>F16K 3 /-</u></b>	2019302087	<b><u>G01R 33 /-</u></b>	2016416525	<b><u>G08B 17 /-</u></b>
2016349953	2017210355	<b><u>G01F 1 /-</u></b>	2019373983	<b><u>G06F 15 /-</u></b>	2017201048
<b><u>E06B 1 /-</u></b>	<b><u>F16L 29 /-</u></b>	2017318725	<b><u>G01S 17 /-</u></b>	2016416525	2017201048
2016244341	2016355337	2020204344	2017336066	2017252439	<b><u>G08B 7 /-</u></b>
2019297850	<b><u>F16L 3 /-</u></b>	<b><u>G01F 23 /-</u></b>	<b><u>G01S 19 /-</u></b>	2017407363	2022200402
<b><u>E06B 3 /-</u></b>	2021218693	2020283140	2019302087	<b><u>G06F 16 /-</u></b>	<b><u>G09B 23 /-</u></b>
2016349953	<b><u>F16L 37 /-</u></b>	<b><u>G01G 17 /-</u></b>	<b><u>G01V 1 /-</u></b>	2017265144	2017200688
<b><u>E21B 27 /-</u></b>	2016355337	2020283140	2017200847	2020281007	<b><u>G09F 3 /-</u></b>
2019342223	<b><u>F16L 5 /-</u></b>	<b><u>G01H 9 /-</u></b>	2019220720	2020345605	2019381599
<b><u>E21B 29 /-</u></b>	2021218693	2018223214	<b><u>G01V 13 /-</u></b>	<b><u>G06F 17 /-</u></b>	<b><u>G09F 9 /-</u></b>
2018230664	<b><u>F16L 55 /-</u></b>	<b><u>G01M 11 /-</u></b>	2017200847	2017259617	2017280757
<b><u>E21B 31 /-</u></b>	2016355337	2016434856	2019220720	2018223214	2017263076
2018230664	2018274715	<b><u>G01M 13 /-</u></b>	<b><u>G01V 3 /-</u></b>	2018324425	<b><u>G10K 11 /-</u></b>
<b><u>E21B 33 /-</u></b>	<b><u>F23D 14 /-</u></b>	2018223214	<b><u>G02B 27 /-</u></b>	2020273341	2017263076
2016376007	2019281306	<b><u>G01N 1 /-</u></b>	2021254584	<b><u>G06F 21 /-</u></b>	2017237721
2018236075	<b><u>F24F 1 /-</u></b>	2016366502	<b><u>G02B 6 /-</u></b>	2020341341	2020341341
<b><u>E21B 37 /-</u></b>	2018337541	<b><u>G01N 11 /-</u></b>	2017350556	<b><u>G06F 3 /-</u></b>	2017258454
2019342223	<b><u>F24F 13 /-</u></b>	2017317654	<b><u>G02C 7 /-</u></b>	2019381599	2021200495
<b><u>E21B 43 /-</u></b>	2018337541	<b><u>G01N 15 /-</u></b>	2016434856	2020203003	<b><u>G10L 19 /-</u></b>
2017209221	<b><u>F25C 1 /-</u></b>	2017283802	<b><u>G02F 1 /-</u></b>	2020281007	2020281007
<b><u>E21B 7 /-</u></b>	2019341285	<b><u>G01N 21 /-</u></b>	2017280757	<b><u>G06F 40 /-</u></b>	<b><u>G10L 25 /-</u></b>
2021204062	<b><u>F25C 5 /-</u></b>	2016353151	<b><u>G05B 13 /-</u></b>	2018324425	2017367692
<b><u>E21C 35 /-</u></b>	2018424231	2017217521	2017344750	<b><u>G06N 10 /-</u></b>	2020281007
2016346003	2018424232	<b><u>G01N 23 /-</u></b>	<b><u>G05D 1 /-</u></b>	2020345605	2019379868
<b><u>F15C 1 /-</u></b>	2019341285	2021201925	2017344750	<b><u>G06N 20 /-</u></b>	<b><u>G16B 40 /-</u></b>
2017318725	<b><u>F25D 19 /-</u></b>	<b><u>G01N 25 /-</u></b>	2021202449	2020345605	2019379868
<b><u>F16B 1 /-</u></b>	<b><u>F25J 1 /-</u></b>	2017229968	<b><u>G05D 27 /-</u></b>	<b><u>G06N 3 /-</u></b>	<b><u>H01B 7 /-</u></b>
2021200445	2019234226	<b><u>G01N 33 /-</u></b>	2018418453	2018324425	2017350556
<b><u>F16B 33 /-</u></b>	<b><u>F25J 3 /-</u></b>	2016271292	<b><u>G05D 7 /-</u></b>	<b><u>G06N 10 /-</u></b>	<b><u>H01G 4 /-</u></b>
2021200445	2019234226	2016353151	2020204344	2020270516	2019379868
<b><u>F16C 11 /-</u></b>	<b><u>F28D 1 /-</u></b>	2017217521	<b><u>G05D 9 /-</u></b>	<b><u>G06N 20 /-</u></b>	2019379868
		2017271673	2017318725	2020202779	2017367692
		2017379315			<b><u>H01H 3 /-</u></b>
		2019312204			2019353012

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<b><u>H01H 85 /-</u></b>	<b><u>H04L 5 /-</u></b>	2017315300
2017251485	2017264413	2018441890
<b><u>H01J 19 /-</u></b>	2017315300	2020294303
2017204507	2020294303	<b><u>H04W 74 /-</u></b>
<b><u>H01J 21 /-</u></b>	<b><u>H04L 51 /-</u></b>	2017315300
2017204507	2017341105	2020244591
<b><u>H01M 50 /-</u></b>	<b><u>H04M 1 /-</u></b>	<b><u>H04W 76 /-</u></b>
2018406921	2020203003	2018314622
<b><u>H01Q 1 /-</u></b>	<b><u>H04N 13 /-</u></b>	<b><u>H05B 33 /-</u></b>
2019302087	2020244380	2016375317
<b><u>H01Q 13 /-</u></b>	<b><u>H04N 19 /-</u></b>	<b><u>H05B 6 /-</u></b>
2019302087	2021200087	2019395786
<b><u>H02H 3 /-</u></b>	<b><u>H04N 21 /-</u></b>	<b><u>H05H 1 /-</u></b>
2017251485	2017407363	2018217728
<b><u>H02H 5 /-</u></b>	2020213280	
2020361439	2020244380	
<b><u>H02H 9 /-</u></b>	<b><u>H04N 7 /-</u></b>	
2020361439	2017407363	
<b><u>H02J 3 /-</u></b>	<b><u>H04N 9 /-</u></b>	
2018258268	2020213280	
<b><u>H02J 7 /-</u></b>	<b><u>H04R 1 /-</u></b>	
2017367692	2018202451	
<b><u>H02J 9 /-</u></b>	2020309801	
2018258268	2021200495	
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2017252439	2019254040	
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2017252439	2017401979	
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<b><u>H04L 27 /-</u></b>	2017262128	
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(This list may contain multiple listings of a patent where there are multiple patentees for that patent.)

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- (71) AITCHISON, A.; MACKIE, D.  
 (11) AU-B-2021102167  
 (21) 2021102167 (22) 23.04.2021  
 (54) Information communication system  
 (51) Int. Cl.  
*H04W 4/30* ( 2018.01 )  
*G06F 8/65* ( 2018.01 )  
*G06F 21/44* ( 2013.01 )  
*H02J 7/35* ( 2006.01 )  
*H04W 4/021* ( 2018.01 )  
 (45) 14.04.2022  
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 (72) AITCHISON, Allan; MACKIE, Doug  
 (74) mdp Patent and Trade Mark Attorneys
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- (71) Berkshire Renewable Energy Pty Ltd  
 (11) AU-B-2021107610  
 (21) 2021107610 (22) 16.11.2021  
 (54) GENERATOR WITH AUTOMATED FUEL TANK SELECTOR SYSTEM  
 (51) Int. Cl.  
*F02M 37/00* ( 2006.01 )  
*F02D 29/06* ( 2006.01 )  
*F02M 37/08* ( 2006.01 )  
*H02K 47/14* ( 2006.01 )  
*H02P 9/04* ( 2006.01 )  
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 (72) Vose, Steven; Douce, Jonathan Florent  
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 (51) Int. Cl.  
*F16G 11/00* ( 2006.01 )  
*E04F 10/02* ( 2006.01 )  
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*B62B 7/06* ( 2006.01 )  
*A45C 9/00* ( 2006.01 )  
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 (21) 2021106085 (22) 20.08.2021  
 (54) MULTI-WELL GEOTHERMAL SY-PHONING SYSTEM  
 (51) Int. Cl.  
*F24T 10/20* ( 2018.01 )  
*F24T 10/40* ( 2018.01 )  
*F24T 10/30* ( 2018.01 )  
 (45) 14.04.2022  
 (72) STRANGE, Warren Ross  
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 (54) A Floorplan Visualisation System  
 (51) Int. Cl.  
*G06F 3/01* ( 2006.01 )  
*G03B 37/04* ( 2021.01 )  
*G06F 3/0484* ( 2013.01 )  
*G06F 3/0486* ( 2013.01 )  
*G06F 3/0488* ( 2013.01 )  
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*G06K 9/00* ( 2006.01 )  
*G06Q 10/06* ( 2012.01 )  
*G06T 3/40* ( 2006.01 )  
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*G09G 5/373* ( 2006.01 )  
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*H04N 9/31* ( 2006.01 )  
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 (72) Ghaleb, Christopher  
 (74) AUCTUS ATTORNEYS AND ADVISORS PTY LTD
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*F21V 21/00* ( 2006.01 )  
*F21L 4/00* ( 2006.01 )  
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 (72) Jarvis, Michael  
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 (11) AU-B-2021104498  
 (21) 2021104498 (22) 23.07.2021  
 (54) Coffee as a carbon source in the preparation of iron and ferro-alloys  
 (51) Int. Cl.  
*C22C 33/00* ( 2006.01 )  
*C01G 49/06* ( 2006.01 )  
*C21C 7/00* ( 2006.01 )  
*C22C 38/00* ( 2006.01 )  
 (31) PCT/ AU2021/050046 (32) 27.01.21 (33) WO  
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 (72) Sahajwalla, Veena  
 (74) MINTER ELLISON
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 (21) 2021104735 (22) 30.07.2021  
 (54) Improved deployable shelter stairs  
 (51) Int. Cl.  
*E04H 15/32* ( 2006.01 )  
*E04F 11/04* ( 2006.01 )  
*E04H 15/06* ( 2006.01 )  
*E04H 15/48* ( 2006.01 )  
*E06C 1/34* ( 2006.01 )  
*E06C 5/02* ( 2006.01 )  
*E05D 3/16* ( 2006.01 )  
 (45) 14.04.2022  
 (72) Pearce, Simon Noel; Beet, Jack Nelson; Montesalvo, Justin  
 (74) Spruson & Ferguson
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 (11) AU-B-2021104876  
 (21) 2021104876 (22) 03.08.2021  
 (54) Equine Boot  
 (51) Int. Cl.  
*A01K 13/00* ( 2006.01 )  
 (45) 14.04.2022  
 (62) 2018276070  
 (72) Macdonald, David  
 (74) COOPER IP PTY. LTD.
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- (71) Thinking Ergonomix Pty Limited  
 (11) AU-B-2021106604  
 (21) 2021106604 (22) 23.08.2021  
 (54) Workplace privacy screen and kit for the same  
 (51) Int. Cl.  
*E04B 2/74* ( 2006.01 )  
*A47G 5/00* ( 2006.01 )  
 (31) 2021901610 (32) 28.05.21 (33) AU

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(72) Mak, Lowell; Eitelgoerge, Lukas; Kuch,  
Dean  
(74) IP SOLVED (ANZ) PTY. LTD.

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(71) Trent Bridge (VIC) Engineering Pty Ltd  
(11) AU-B-2021107635  
(21) 2021107635 (22) 04.12.2021  
(54) HYBRID GENERATOR  
(51) Int. Cl.  
*H02J 3/46* ( 2006.01 )  
*H02J 3/38* ( 2006.01 )  
*H02P 9/00* ( 2006.01 )  
*H02P 9/04* ( 2006.01 )  
*H02J 3/40* ( 2006.01 )

(45) 14.04.2022  
(62) 2021201656  
(72) Douce, Jonathan Florent; Jain, Ravi  
(74) Mann IP

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(71) Ventalite Technology Pty Ltd  
(11) AU-B-2021106877  
(21) 2021106877 (22) 24.08.2021  
(54) Stacker door or window  
(51) Int. Cl.  
*E06B 3/48* ( 2006.01 )  
*E05D 15/26* ( 2006.01 )  
*E05F 15/603* ( 2015.01 )  
*E05F 15/605* ( 2015.01 )  
*E06B 7/02* ( 2006.01 )  
*E06B 7/10* ( 2006.01 )  
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(45) 14.04.2022  
(72) Joyce, Ryan Allan  
(74) Spruson & Ferguson

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<b>2021104498</b>	NewSouth Innovations Pty Limited
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<b>2021104876</b>	Scootboot Pty Ltd
<b>2021105445</b>	Fraser, M.A.
<b>2021106085</b>	Good Water Energy Ltd
<b>2021106604</b>	Thinking Ergonomix Pty Limited
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<b>2021107563</b>	Moma Products Pty Ltd
<b>2021107610</b>	Berkshire Renewable Energy Pty Ltd
<b>2021107635</b>	Trent Bridge (VIC) Engineering Pty Ltd

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2021106877	2021107127	

**Opposition Proceedings**

(The name in parentheses is that of the opponent)

**Opposition Lodged**

2017292900 **Commonwealth Scientific and Industrial Research Organisation ( Urrbrae Foods Pty Ltd )**

**Patents Granted**

**Standard Patents**

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2015334872	2015343034	2015404815	2015405544
2015410553	2016204793	2016213891	2016218536
2016219793	2016219917	2016224834	2016231487
2016235362	2016236826	2016239662	2016246738
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2016274452	2016277668	2016285118	2016287512
2016294422	2016308083	2016311334	2016315724
2016317094	2016323835	2016327449	2016332705
2016333150	2016333157	2016333784	2016338418
2016338954	2016342404	2016345998	2016346447
2016351313	2016354688	2016356684	2016356749
2016357988	2016358816	2016372364	2016372789
2016372797	2016374655	2016375029	2016378605
2016379861	2016380277	2016380796	2016381634
2016384294	2016385454	2016396983	2016398722
2016406805	2016408397	2016418507	2016419833
2016425095	2016425639	2016428424	2016432444
2016433769	2017202191	2017203421	2017203651
2017204390	2017205207	2017206067	2017208921
2017215349	2017219233	2017219521	2017220970
2017222292	2017225458	2017225714	2017225766
2017229690	2017230958	2017235653	2017235905
2017239160	2017239616	2017240043	2017240050
2017245409	2017246889	2017248721	2017249034
2017257098	2017257397	2017264758	2017265940
2017268409	2017268466	2017268519	2017274075
2017278093	2017285993	2017293767	2017295607
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2017309254	2017309892	2017310057	2017310328
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2017332762	2017339363	2017340377	2017340609
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2017345199	2017345244	2017345737	2017346137
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2017360064	2017360489	2017361105	2017362484
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2017368843	2017373758	2017378211	2017382405
2017384625	2017385021	2017385288	2017390254
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2018263087	2018276434	2018284377	2018288565
2018290281	2018297592	2018300218	2018301275
2018314490	2018318603	2018321357	2018322836
2018335042	2018335481	2018336156	2018336724
2018349408	2018350891	2018350905	2018356076
2018356948	2018365299	2018374682	2018382000
2018383793	2018389981	2018396965	2018405226
2018407961	2018417494	2018423290	2018426891
2018430831	2019204115	2019204277	2019204290
2019208867	2019210192	2019212150	2019213316
2019221160	2019221308	2019228381	2019229434
2019232610	2019233076	2019233923	2019236060
2019239454	2019239530	2019240125	2019240660
2019246796	2019246851	2019247400	2019253893
2019254475	2019255226	2019255516	2019256651

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2019260018	2019260152	2019261688	2019262007
2019262799	2019265227	2019266174	2019267017
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2019276115	2019277516	2019277933	2019278251
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2019302939	2019305721	2019306078	2019321329
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2020200918	2020201159	2020201531	2020201600
2020201931	2020201965	2020202025	2020202170
2020202321	2020202344	2020202386	2020202389
2020202669	2020202824	2020202841	2020203001
2020203142	2020203297	2020203407	2020203420
2020203538	2020203589	2020204017	2020204123
2020204293	2020204323	2020210301	2020213290
2020213328	2020223656	2020223781	2020223783
2020227042	2020227122	2020230242	2020230354
2020235216	2020239704	2020239727	2020239775
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2020267396	2020270510	2020271504	2020277210
2020282386	2020286329	2020289764	2020289809
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2021103443	2021103639	2021103687	2021103688
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2021104037	2021104039	2021104262	2021104269
2021104279	2021104283	2021104319	2021104321
2021104402	2021104417	2021104442	2021104451
2021104457	2021104473	2021104482	2021104490
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2021104584	2021104586	2021104673	2021104722
2021104757	2021104763	2021104894	2021104896
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2021104979	2021104999	2021105033	2021105071
2021105076	2021105078	2021105184	2021107588
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2002346524 Warsaw Orthopedic, Inc. The patent has been assigned to **Companion Spine, LLC**

2003204148 Koehn, Ekkehard The patent has been assigned to **Oceanic Shade Pty Ltd**

2003257513 Johnson & Johnson Consumer Companies, Inc. The patent has been assigned to **Johnson & Johnson Consumer Inc.**

2004220633 Warsaw Orthopedic, Inc. The patent has been assigned to **Companion Spine, LLC**

2005201163 McNeil-PPC, Inc. The patent has been assigned to **Johnson & Johnson Consumer Inc.**

2006220417 SIEMENS AG The patent has been assigned to **Siemens Energy Global GmbH & Co. KG**

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2008214846 Aleris Aluminum Koblenz GmbH The patent has been assigned to **Novelis Koblenz GmbH**

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2011374220 Unger, Thomas The patent has been assigned to **Acrom Agroindustrial Ltda**

2012328194 Eracles-Technology The patent has been assigned to **Strength Master Fitness Tech. Co., Ltd.**

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2013207385 Viomics, Inc. The patent has been assigned to **Exact Sciences Development Company, LLC**

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2015343728 Johnson & Johnson Consumer Inc. The patent has been assigned to **Johnson & Johnson Consumer Inc.**

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2016206278 Johnson & Johnson Consumer Inc. The patent has been assigned to **Johnson & Johnson Consumer Inc.**

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2016280451 Johnson & Johnson Consumer Inc. The patent has been assigned to **Johnson & Johnson Consumer Inc.**

2016284197 Johnson & Johnson Consumer Inc. The patent has been assigned to **Johnson & Johnson Consumer Inc.**

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2016307932 Johnson & Johnson Consumer Inc. The patent has been assigned to **Johnson & Johnson Consumer Inc.**

2016323835 Johnson & Johnson Consumer Inc. The patent has been assigned to **Johnson & Johnson Consumer Inc.**

2016324119 University of Miyazaki The patent has been assigned to **Himuka AM Australia Pty Ltd.**

2016325354 Johnson & Johnson Consumer Inc. The patent has been assigned to **Johnson & Johnson Consumer Inc.**

2016344187 Johnson & Johnson Consumer Inc. The patent has been assigned to **Johnson & Johnson Consumer Inc.**

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2017204070 Johnson & Johnson Consumer Inc. The patent has been assigned to **Johnson & Johnson Consumer Inc.**

2017204071 Johnson & Johnson Consumer Inc. The patent has been assigned to **Johnson & Johnson Consumer Inc.**



**Assignments Registered**

2017241996 Johnson & Johnson Consumer Inc. The patent has been assigned to **Johnson & Johnson Consumer Inc.**

2019101501 Johnson & Johnson Consumer Inc. The patent has been assigned to **Johnson & Johnson Consumer Inc.**

2019101502 Johnson & Johnson Consumer Inc. The patent has been assigned to **Johnson & Johnson Consumer Inc.**

2019284797 Aleris Rolled Products Germany GmbH The patent has been assigned to **Novelis Koblenz GmbH**

2020103443 Dohnt, Bernard The patent has been assigned to **Kinfolk & Co. Manufacturing PTY LTD**

2020200934 University of Miyazaki The patent has been assigned to **Himuka AM Australia Pty Ltd.**

**Extensions of Term of Standard Patents**

Extension of Term of a Standard Patent relating to Pharmaceutical Substances

**Applications Accepted**

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

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

2017251814 **Novo Nordisk A/S**

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

For the goods RYBELSUS semaglutide

Address for service : Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

**Extensions granted**

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

2002338015 **Kyowa Kirin Co., Ltd.**

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

For the goods POTELIGEO mogamulizumab

Extension of Term of patent pursuant to Section 77 expires on 30 Aug 2027

**Corrigenda**

In Vol 36 , No 12 , Page(s) 1741 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name The Brigham and Women's Hospital, Inc., Application No. 2020335878, under INID (71) add co-applicant Andres Rodriguez

In Vol 36 , No 14 , Page(s) 2002 under the heading **Amendments - Application for Amendments** Under the name Glaxo Group Limited, Application No. 2018282427 correct the date of the statements filed to read 20 Dec 2021 and 9 March 2022

In Vol 36 , No 3 , Page(s) 253 under the heading **Applications Lapsed, Refused or Withdrawn, Patents Ceased or Expired - 2020** Delete all reference to 2020200106.

In Vol 36 , No 6 , Page(s) 785 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name The Green Dairy Sweden Holding Aktiebolag, Application No.

**Corrigenda**

2020292995, under INID (72) correct the co-inventor to ANDERSSON, Kenneth Lars-Olof

In Vol 36 , No 9 , Page(s) 1292 under the heading **Applications Accepted - Name Index** Delete all reference to 2020239810.

**Specifications Republished**

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

2017254764	<b>Ventura Holdings Ltd.</b>
2017271955	<b>Qualcomm Incorporated</b>
2017303833	<b>Crown Packaging Technology, Inc.</b>