



**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**

***Amsted Rail Company, Inc. [2022] APO 56***

Patent Application: 2019271970

Title: Rail Car Terminal Digital Data Hub

Patent Applicant: Amsted Rail Company, Inc.

Delegate: R Subbarayan

Decision Date: 22 July 2022

Hearing Date: Written submissions filed on 16 December 2021 and 21 April 2022

Catchwords: PATENTS - examiner's objection – digital control hub for rail car terminal – manner of manufacture – computer implemented invention – whether it solves a technical problem – whether the contribution is technical in nature – business innovation – invention not for a manner of manufacture – application refused

Representation: Patent attorney for the applicant: IP Gateway Patent & Trade Mark Attorneys Pty Ltd

**IP AUSTRALIA**

**AUSTRALIAN PATENT OFFICE**

***Nasdaq Technology AB* [2022] APO 55**

Patent Application: 2018231698

Title: Order depth view visualization tool

Patent Applicant: Nasdaq Technology AB

Delegate: Anish Singh

Decision Date: 20 July 2022

Hearing Date: Written submissions filed on 8 November 2021

Catchwords: PATENTS – section 45 – examiner’s objection – order depth view visualization tool – manner of manufacture – invention in substance directed to a mere scheme – application refused

Representation: Patent attorney for the applicant: Griffith Hack

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 19 Jul 2022 .

(71) 3rd Axis Pty Ltd (21) 2022902079 (22) 25.07.2022 (54) Plastic Recycling to Extruded Elements	(71) Casserly, C. (21) 2022902058 (22) 22.07.2022 (54) A DEVICE FOR GENERATING HYDROELECTRIC POWER	(71) CYMBAL PAVERS PTY LTD (21) 2022902085 (22) 26.07.2022 (54) Hardware device interception system for e-receipts and improved POS functionality
<b>ABDELMONEIM, D. see COATES, D.</b> (21) 2022902070	(71) Civmec Construction & Engineering (21) 2022902033 (22) 20.07.2022 (54) Panel Straightener/Aligner model	(71) D.J. & P.A. Hopkins Pty. Ltd.; Agrico Produce Pty Ltd (21) 2022902061 (22) 22.07.2022 (54) Decortication method and system
(71) Adcoat Pty Ltd (21) 2022902028 (22) 20.07.2022 (54) Concrete Casting Tube and Method of Assembly	(71) COATES, D.; COTTON, G.; ABDELMONEIM, D.; KHOON, S.; MOLTENO, N.; LI, K.; DUNCAN, W. (21) 2022902070 (22) 25.07.2022 (54) NANOCOMPOSITE HYDROGEL	(71) de mamiel, j. (21) 2022902020 (22) 19.07.2022 (54) Boot Caddy A Stand for holding Golf Bags when in transit. Eg. in the boot of your car or the tray if your utility vehicle.
<b>Agrico Produce Pty Ltd see D.J. &amp; P.A. Hopkins Pty. Ltd.</b> (21) 2022902061	(71) Commonwealth Scientific and Industrial Research Organisation (21) 2022902076 (22) 25.07.2022 (54) Isotopic verification of a geographical location	(71) Dixon, A. (21) 2022902056 (22) 22.07.2022 (54) Arboreal Fauna Relocation method
(71) Allegro Energy Pty Ltd (21) 2022902023 (22) 20.07.2022 (54) Electrode slurry	(71) CORE Intelligence Australia Pty Ltd (21) 2022902052 (22) 22.07.2022 (54) Isolation and extraction of mineral compounds, metals, metalloids, alloys and elements	<b>DUNCAN, W. see COATES, D.</b> (21) 2022902070
(71) ALLEN, B. (21) 2022902053 (22) 22.07.2022 (54) A NAPPY APPLICATOR	<b>COTTON, G. see COATES, D.</b> (21) 2022902070	(71) Field Orthopaedics Pty Ltd (21) 2022902059 (22) 22.07.2022 (54) IMPLANTABLE SLING AND ANCHOR ASSEMBLY
(71) ALVARO TRANSPORT PTY LTD (21) 2022902035 (22) 20.07.2022 (54) Super B Double	(71) CUMMINS, I. (21) 2022902064 (22) 22.07.2022 (54) Cold Fission Hydrogen Gas production, Water Remediation and Desalination Combination Technology	(71) FILICHEV, V.; HARJES, E.; JAMESON, G.; HARJES, S.; KURUP, H.; SU, Y.; HALE, T. (21) 2022902039 (22) 21.07.2022 (54) HAIRPIN DNA ENZYME INHIBITORS
<b>Andersen, M. see Wilson, W.</b> (21) 2022902067	(71) Cunningham, S. (21) 2022902034 (22) 20.07.2022 (54) Heterojunction Unipolar Transistor	(71) Fire Worx Pty Ltd (21) 2022902084 (22) 26.07.2022 (54) Assembly for Improved Wall Fire Rating
(71) Carbelec Pty Ltd (21) 2022902027 (22) 20.07.2022 (54) Low temperature CO2 reduction		<b>Focus On Gaming Pty Ltd see Sint Group Pty Ltd</b> (21) 2022902087
(71) Carbelec Pty Ltd (21) 2022902032 (22) 20.07.2022 (54) ELECTROLYSIS OF CARBON DIOXIDE TO SOLID CARBON		

Provisional Applications Filed - Name Index cont'd

(71) Gaming Entertainment Systems Pty Ltd (21) 2022902071 (22) 25.07.2022 (54) JACKPOT AWARDING SYSTEMS, CONTROLLERS AND COMPUTER IMPLEMENTED METHODS FOR TABLE BASED WAGER GAMES	facts can share and rate what they have been viewing on stream media. BingeBoard will allow members to see what their connections have been watching tell help inform their next show to binge.	(71) NewSouth Innovations Pty Limited (21) 2022902030 (22) 20.07.2022 (54) Cell culture scaffolds
(71) Garage Vision Tek Pty Ltd; Stankiewicz, A. (21) 2022902065 (22) 22.07.2022 (54) 'EZI-ROLA' Mobility Device / System for all QUICKJACK Portable Automotive Lifting Systems	<b>KHOON, S. see COATES, D.</b> (21) 2022902070	(71) NewSouth Innovations Pty Limited (21) 2022902062 (22) 22.07.2022 (54) Process of fabricating lead zirconate titanate (PZT) based piezoelectric devices
(71) GJW ENTERPRISES PTY. LTD. (21) 2022902036 (22) 21.07.2022 (54) Device for Resealing Beverage Capsules	(71) Kosp Construction Resources Pty Ltd (21) 2022902041 (22) 21.07.2022 (54) Composite Construction Panel and Method of Construction	(71) NewSouth Innovations Pty Limited (21) 2022902063 (22) 22.07.2022 (54) Advanced piezoelectric microlens actuator
(71) HALE, T. see FILICHEV, V. (21) 2022902039	<b>KURUP, H. see FILICHEV, V.</b> (21) 2022902039	(71) Nowland, D. (21) 2022902022 (22) 20.07.2022 (54) A BUILDING COMPONENT FOR USE IN THE CONSTRUCTION OF CONCRETE POURED BUILDINGS
(71) HARJES, E. see FILICHEV, V. (21) 2022902039	<b>LI, K. see COATES, D.</b> (21) 2022902070	(71) On Top Tourers Pty Ltd (21) 2022902042 (22) 21.07.2022 (54) Vehicle Mounted Sleeping Tent
(71) HARJES, S. see FILICHEV, V. (21) 2022902039	(71) Limco Group Pty Ltd (21) 2022902072 (22) 25.07.2022 (54) Drain apparatus	(71) Parsonage, H. (21) 2022902051 (22) 22.07.2022 (54) A Portable Container
(71) Health First Laboratories Ltd. (21) 2022902060 (22) 22.07.2022 (54) Sampling apparatus and method	(71) Manta Ray SA Pty. Ltd. (21) 2022902040 (22) 21.07.2022 (54) Marine Vessel	(71) paulet, n. (21) 2022902081 (22) 25.07.2022 (54) An enhanced paddock conditioner
(71) Hill, A. (21) 2022902038 (22) 21.07.2022 (54) A server for serving an itinerary configuration interface	(71) Mercotech Pty Ltd (21) 2022902044 (22) 21.07.2022 (54) A SYSTEM AND APPARATUS FOR APPLYING A SEALING COMPOSITION TO A TUBULAR FABRIC CASING	(71) Phillips, S. (21) 2022902037 (22) 21.07.2022 (54) A multistage energy conversion system
(71) HiSeis Pty Ltd (21) 2022902031 (22) 20.07.2022 (54) Method for the Segmentation of Seismic Data of a Subsurface Location	(71) Mercotech Pty Ltd (21) 2022902078 (22) 25.07.2022 (54) MEAT NETTING STRIPPING APPARATUS	(71) Pro Access Holdings Pty Ltd (21) 2022902046 (22) 21.07.2022 (54) Suspending operators
(71) Jalili Tabaei, P. (21) 2022902054 (22) 22.07.2022 (54) Self-disinfecting unit	(71) MOHIDEEN, F. (21) 2022902077 (22) 25.07.2022 (54) Drilling arrangement and methodology	(71) PV Industries Pty Ltd; Sandrick Engineering Pty Ltd (21) 2022902083 (22) 25.07.2022 (54) Layer Removal Device
(71) JAMESON, G. see FILICHEV, V. (21) 2022902039	<b>MOLTENO, N. see COATES, D.</b> (21) 2022902070	(71) Relectrify Holdings PTY LTD (21) 2022902045 (22) 21.07.2022 (54) ELECTRICAL LINE SELECTOR SYSTEM HAVING MULTIPLE SOURCES
(71) Jasper Medtech Pty Ltd (21) 2022902074 (22) 25.07.2022 (54) Method for determining quality of life	(71) Murdoch Children's Research Institute; The Council of the Queensland Institute of Medical Research (21) 2022902048 (22) 21.07.2022 (54) Engineered human cardiac tissue	(71) Rheem Australia Pty Limited (21) 2022902043 (22) 21.07.2022 (54) SYSTEMS AND METHODS FOR CONNECTING ELECTRICAL APPLIANCES TO AN ELECTRICAL GRID
(71) Johnson, C. (21) 2022902055 (22) 22.07.2022 (54) A website and mobile app that transforms that question into screen so con-	(71) Nelson, P. (21) 2022902080 (22) 25.07.2022 (54) SYSTEM AND METHOD	

## Provisional Applications Filed - Name Index cont'd

(71) Ruperez, S.  
(21) 2022902025 (22) 20.07.2022  
(54) Supportive sports wear

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(71) Saluda Medical Pty Ltd  
(21) 2022902068 (22) 23.07.2022  
(54) Improved programming of neurostimulation therapy

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(71) Salut Products Pty Ltd  
(21) 2022902029 (22) 20.07.2022  
(54) Antiviral compounds and uses thereof

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**Sandrick Engineering Pty Ltd see PV Industries Pty Ltd**  
(21) 2022902083

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(71) Sint Group Pty Ltd; Focus On Gaming Pty Ltd  
(21) 2022902087 (22) 26.07.2022  
(54) A system for detecting suspicious gaming machine activity

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(71) Somatrack Pty Ltd  
(21) 2022902050 (22) 22.07.2022  
(54) Devices and methods for measuring body tissue using acoustic waves

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**Stankiewicz, A. see Garage Vision Tek Pty Ltd**  
(21) 2022902065

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(71) Strategic Wildfire Solutions Pty Ltd  
(21) 2022902049 (22) 21.07.2022  
(54) MULCHER HEAD

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**SU, Y. see FILICHEV, V.**  
(21) 2022902039

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(71) sunshine surfing (aust) Pty Ltd  
(21) 2022902066 (22) 23.07.2022  
(54) Eccentric Cam Toolless Fin System

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**The Council of the Queensland Institute of Medical Research see Murdoch Children's Research Institute**  
(21) 2022902048

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(71) The University of Melbourne  
(21) 2022902026 (22) 20.07.2022  
(54) Coronavirus vaccination regimen (3)

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(71) TREATA ENVIRONMENTAL PTY LTD  
(21) 2022902018 (22) 19.07.2022  
(54) METHOD, APPARATUS AND SYSTEM FOR REMOVAL OF PFAS FROM AN AQUEOUS SOURCE AND PRODUCTION OF CONCENTRATED PFAS PRODUCT

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(71) TREATA ENVIRONMENTAL PTY LTD  
(21) 2022902019 (22) 19.07.2022  
(54) METHOD, APPARATUS AND SYSTEM FOR DESTROYING AQUEOUS FILM FORMING FOAMS POLLUTANT AND RECALCITRANT FLUORINATED WASTE CHEMICALS

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(71) USCOM Limited  
(21) 2022902047 (22) 21.07.2022  
(54) Enhanced spirosometry measurement system and method

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(71) Vital Metals Ltd  
(21) 2022902057 (22) 22.07.2022  
(54) A PROCESS FOR EXTRACTING RARE EARTH ELEMENTS FROM A MATERIAL CONTAINING THEM

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(71) WHITFIELD, D.  
(21) 2022902024 (22) 20.07.2022  
(54) Fire Fighting Apparatus and Method

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(71) Wilson, W.; Andersen, M.  
(21) 2022902067 (22) 23.07.2022  
(54) Stackable Building Drink Blocks

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(71) Yttrium Limited  
(21) 2022902086 (22) 26.07.2022  
(54) Frame for reinforced concrete

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(71) ZSWT PTY LTD  
(21) 2022902075 (22) 25.07.2022  
(54) A CARRIER

Numerical Index

<b>2022902018</b>	TREATA ENVIRONMENTAL PTY LTD	<b>2022902086</b>	Yttrium Limited
<b>2022902019</b>	TREATA ENVIRONMENTAL PTY LTD	<b>2022902087</b>	Sint Group Pty Ltd; Focus On Gaming Pty Ltd
<b>2022902020</b>	de mamiel, j.		
<b>2022902022</b>	Nowland, D.		
<b>2022902023</b>	Allegro Energy Pty Ltd		
<b>2022902024</b>	WHITFIELD, D.		
<b>2022902025</b>	Ruperez, S.		
<b>2022902026</b>	The University of Melbourne		
<b>2022902027</b>	Carbelec Pty Ltd		
<b>2022902028</b>	Adcoat Pty Ltd		
<b>2022902029</b>	Salut Products Pty Ltd		
<b>2022902030</b>	NewSouth Innovations Pty Limited		
<b>2022902031</b>	HiSeis Pty Ltd		
<b>2022902032</b>	Carbelec Pty Ltd		
<b>2022902033</b>	Civmec Construction & Engineering		
<b>2022902034</b>	Cunningham, S.		
<b>2022902035</b>	ALVARO TRANSPORT PTY LTD		
<b>2022902036</b>	GJW ENTERPRISES PTY. LTD.		
<b>2022902037</b>	Phillips, S.		
<b>2022902038</b>	Hill, A.		
<b>2022902039</b>	FILICHEV, V.; HARJES, E.; JAMESON, G.; HARJES, S.; KURUP, H.; SU, Y.; HALE, T.		
<b>2022902040</b>	Manta Ray SA Pty. Ltd.		
<b>2022902041</b>	Kosp Construction Resources Pty Ltd		
<b>2022902042</b>	On Top Tourers Pty Ltd		
<b>2022902043</b>	Rheem Australia Pty Limited		
<b>2022902044</b>	Merctech Pty Ltd		
<b>2022902045</b>	Relectrify Holdings PTY LTD		
<b>2022902046</b>	Pro Access Holdings Pty Ltd		
<b>2022902047</b>	USCOM Limited		
<b>2022902048</b>	Murdoch Children's Research Institute; The Council of the Queensland Institute of Medical Research		
<b>2022902049</b>	Strategic Wildfire Solutions Pty Ltd		
<b>2022902050</b>	Somatrack Pty Ltd		
<b>2022902051</b>	Parsonage, H.		
<b>2022902052</b>	CORE Intelligence Australia Pty Ltd		
<b>2022902053</b>	ALLEN, B.		
<b>2022902054</b>	Jalili Tabaei, P.		
<b>2022902055</b>	Johnson, C.		
<b>2022902056</b>	Dixon, A.		
<b>2022902057</b>	Vital Metals Ltd		
<b>2022902058</b>	Casserly, C.		
<b>2022902059</b>	Field Orthopaedics Pty Ltd		
<b>2022902060</b>	Health First Laboratories Ltd.		
<b>2022902061</b>	D.J. & P.A. Hopkins Pty. Ltd.; Agrico Produce Pty Ltd		
<b>2022902062</b>	NewSouth Innovations Pty Limited		
<b>2022902063</b>	NewSouth Innovations Pty Limited		
<b>2022902064</b>	CUMMINS, I.		
<b>2022902065</b>	Garage Vision Tek Pty Ltd; Stankiewicz, A.		
<b>2022902066</b>	sunshine surfing (aust) Pty Ltd		
<b>2022902067</b>	Wilson, W.; Andersen, M.		
<b>2022902068</b>	Saluda Medical Pty Ltd		
<b>2022902070</b>	COATES, D.; COTTON, G.; ABDELMONEIM, D.; KHOON, S.; MOLTENO, N.; LI, K.; DUNCAN, W.		
<b>2022902071</b>	Gaming Entertainment Systems Pty Ltd		
<b>2022902072</b>	Limco Group Pty Ltd		
<b>2022902074</b>	Jasper Medtech Pty Ltd		
<b>2022902075</b>	ZSWT PTY LTD		
<b>2022902076</b>	Commonwealth Scientific and Industrial Research Organisation		
<b>2022902077</b>	MOHIDEEN, F.		
<b>2022902078</b>	Merctech Pty Ltd		
<b>2022902079</b>	3rd Axis Pty Ltd		
<b>2022902080</b>	Nelson, P.		
<b>2022902081</b>	paulet, n.		
<b>2022902083</b>	PV Industries Pty Ltd; Sandrick Engineering Pty Ltd		
<b>2022902084</b>	Fire Worx Pty Ltd		
<b>2022902085</b>	CYMBAL PAVERS PTY LTD		



**Complete Applications Filed**

**Name Index**

Applications listed below were processed through the Patent Office Canberra during the period ending 19 Jul 2022 .

. (\*) Title not in Roman characters

. (\*\*) Title not given

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(71) 4:3:2: PTY LTD  
 (21) 2022205246 (22) 14.07.2022  
 (54) Medical device to alleviate kidney failure

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(71) Ab Initio Technology LLC  
 (21) 2022206687 (22) 18.07.2022  
 (54) DYNAMIC EXECUTION OF PARAMETERIZED APPLICATIONS FOR THE PROCESSING OF KEYED NETWORK DATA STREAMS  
 (62) 2018225158

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(71) Adama Australia Pty Limited  
 (21) 2022205273 (22) 15.07.2022  
 (54) Highly Loaded Clodinafop Formulation  
 (31) 2021902175 (32) 15.07.21 (33) AU

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**Advin Biotech, Inc. see Hangzhou Biotest Biotech Co., LTD.**  
 (21) 2022205191

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(71) Agilent Technologies, Inc.  
 (21) 2022205228 (22) 14.07.2022  
 (54) TIP FOR INTERFACE CONES  
 (31) 17/379,579 (32) 19.07.21 (33) US

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(71) Air Products and Chemicals, Inc.  
 (21) 2022205197 (22) 13.07.2022  
 (54) METHOD AND APPARATUS FOR MANAGING INDUSTRIAL GAS PRODUCTION  
 (31) 17/378,891 (32) 19.07.21 (33) US

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(71) American Greetings Corporation  
 (21) 2022206691 (22) 18.07.2022  
 (54) GREETING CARDS WITH POP-UP LOCK  
 (31) 17/386,972 (32) 28.07.21 (33) US

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(71) Angel Group Co., Ltd.  
 (21) 2022205219 (22) 13.07.2022  
 (54) System for counting quantity of game tokens  
 (62) 2018201238

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(71) Angel Group Co., Ltd.  
 (21) 2022205270 (22) 15.07.2022  
 (54) Chip measurement system  
 (62) 2020260553

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(71) Anuncia, Inc  
 (21) 2022205256 (22) 15.07.2022  
 (54) Systems and methods for shunting fluid  
 (62) 2020250276

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(71) Apple Inc.  
 (21) 2022205199 (22) 13.07.2022  
 (54) Controlling electronic devices and displaying information based on wireless ranging  
 (62) 2020203003

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(71) Apple Inc.  
 (21) 2022205214 (22) 13.07.2022  
 (54) Transimpedance amplifier (TIA) with tunable input resistance  
 (31) 17/375,843 (32) 14.07.21 (33) US

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(71) APR APPLIED PHARMA RESEARCH S.A.  
 (21) 2022205198 (22) 13.07.2022  
 (54) MODIFIED RELEASE ORALLY ADMINISTERED AMINO ACID FORMULATIONS  
 (62) 2016330261

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(71) ARC Medical Design Limited  
 (21) 2022205212 (22) 13.07.2022  
 (54) Medical scope accessory, medical scopes comprising the accessory, and use thereof  
 (62) 2017264835

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(71) Arrowhead Pharmaceuticals, Inc.  
 (21) 2022205929 (22) 18.07.2022  
 (54) RNAi agents for Hepatitis B virus infection  
 (62) 2017306692

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(71) Avation Medical, Inc.  
 (21) 2022205207 (22) 13.07.2022  
 (54) System, method, and apparatus for applying transcutaneous electrical stimulation  
 (62) 2019333201

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(71) Becton Dickinson and Company Limited  
 (21) 2022205244 (22) 14.07.2022

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(54) Protector housing plastic spike with flash intended for DVO last drop extraction  
 (62) 2019253678

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(71) BEDGEAR, LLC  
 (21) 2022205259 (22) 15.07.2022  
 (54) Ambient Bed Having a Heat Reclaim System  
 (62) 2020260552

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(71) BEDGEAR, LLC  
 (21) 2022205260 (22) 15.07.2022  
 (54) Ambient Bed Having a Heat Reclaim System  
 (62) 2020267306

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(71) Berkeley Lights, Inc.  
 (21) 2022205213 (22) 13.07.2022  
 (54) In situ-generated microfluidic isolation structures, kits and methods of use thereof  
 (62) 2016361413

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(71) Bird Aerosystems Limited  
 (21) 2022206690 (22) 18.07.2022  
 (54) Device, system, and method of aircraft protection and countermeasures against missiles  
 (31) 285271 (32) 01.08.21 (33) IL

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(71) Block, Inc.  
 (21) 2022205272 (22) 15.07.2022  
 (54) Animation management in applications  
 (62) 2020204343

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**BROUWERS, R. see BROUWERS, A.L.**  
 (21) 2022206698

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(71) BROUWERS, A.L.; BROUWERS, R.  
 (21) 2022206698 (22) 18.07.2022  
 (54) PORTABLE WIND RESISTANT SHADE STRUCTURE  
 (31) 63/223,545 (32) 20.07.21 (33) US  
 63/251,637 03.10.21 US

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**Cardinal Health 414, LLC see Ohio State Innovation Foundation**  
 (21) 2022205225

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(71) CASA LUMBRE S.A.P.I. DE C.V.  
 (21) 2022205266 (22) 15.07.2022

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Complete Applications Filed - Name Index cont'd

(54) METHOD OF PRODUCTION OF ALCOHOLIC BEVERAGES FROM CORN USING AN ALKALINE COOKING PROCESS, TREATMENT-USE OF ALKALINE COOKING RESIDUES FOR PRODUCTION OF DISTILLED ALCOHOL FOR PURPOSES OF HUMAN CONSUMPTION AND/OR INDUSTRIAL USE  
(31) MX/a/2021/008620 (32) 16.07.21 (33) MX

(71) CASE WESTERN RESERVE UNIVERSITY; UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL CENTER; UNIVERSITY OF IOWA RESEARCH FOUNDATION  
(21) 2022205248 (22) 14.07.2022  
(54) INHIBITORS OF SHORT-CHAIN DEHYDROGENASE ACTIVITY FOR PROMOTING NEUROGENESIS AND INHIBITING NERVE CELL DEATH  
(62) 2017300377

**Centre National de la Recherche Scientifique see Institut National de la Sante et de la Recherche Medicale (INSERM)**  
(21) 2022205258

(71) Chr. Hansen A/S  
(21) 2022205242 (22) 14.07.2022  
(54) Lactase enzymes with improved properties  
(62) 2018251967

(71) Chugai Saiyaku Kabushiki Kaisha  
(21) 2022205222 (22) 13.07.2022  
(54) Pyrazolopyridine Derivative Having GLP-1 Receptor Agonist Effect  
(62) 2020223687

(71) CMTE Development Limited  
(21) 2022205196 (22) 13.07.2022  
(54) Optical acoustic sensing system and method  
(62) 2018223214

(71) ConMed Corporation  
(21) 2022205206 (22) 13.07.2022  
(54) DRILL GUIDE ASSEMBLY  
(62) 2019356439

(71) ConMed Corporation  
(21) 2022205211 (22) 13.07.2022  
(54) SOFT TISSUE CUTTING INSTRUMENT WITH SELF LOCKING, MULTI-POSITION, AND SLIDE BUTTON LINEARLY ACTUATED RETRACTABLE BLADE OR HOOK  
(62) 2019353012

(71) CONTAINER ROTATION SYSTEMS PTY LTD  
(21) 2022206697 (22) 18.07.2022

(54) CONTAINER ROTATOR WITH IMPROVED SIDE WALL SUPPORT  
(31) 2021902416 (32) 05.08.21 (33) AU

**Coppin, L. see Coppin, B.**  
(21) 2022205267

(71) Coppin, B.; Coppin, L.  
(21) 2022205267 (22) 15.07.2022  
(54) Building balcony screening system  
(31) 2021902198 (32) 16.07.21 (33) AU

(71) Cripps Clark, J.  
(21) 2022205250 (22) 14.07.2022  
(54) Systems, devices & methods for accountable identification for data protection, authority, welfare, health and economic participation including potentially multiple different sovereign identification protocols in multiple jurisdictions, enabling better management of diverse economic assets, information and environments (sovereign, personal, professional, cloud based) using advanced technologies including block chain. A framework for authenticating agreed international transactions that might not otherwise be practicable and extensions that may help pay for the infrastructure are included.  
(31) 2021901302 (32) 03.05.21 (33) AU

(71) Deere & Company  
(21) 2022205233 (22) 14.07.2022  
(54) Obtaining and augmenting agricultural data and generating an augmented display showing anomalies  
(31) 63/231,870 (32) 11.08.21 (33) US  
17/669,020 10.02.22 US

(71) Deere & Company  
(21) 2022205236 (22) 14.07.2022  
(54) Obtaining and augmenting agricultural data and generating an augmented display  
(31) 63/231,870 (32) 11.08.21 (33) US  
17/669,027 10.02.22 US

(71) Deere & Company  
(21) 2022205237 (22) 14.07.2022  
(54) Obtaining and augmenting agricultural data and generating an augmented display  
(31) 63/231,870 (32) 11.08.21 (33) US  
17/669,030 10.02.22 US

(71) Dejero Labs Inc.  
(21) 2022205264 (22) 15.07.2022  
(54) System and method for controlling data stream modifications  
(62) 2017307650

(71) DEKA Products Limited Partnership  
(21) 2022205229 (22) 14.07.2022  
(54) MEDICAL TREATMENT SYSTEM AND METHODS USING A PLURALITY OF FLUID LINES  
(62) 2020244559

(71) DELAND, D.  
(21) 2022206689 (22) 18.07.2022  
(54) WEIGHTLIFTING SYSTEM AND METHOD FOR ANALYSING LIFT MOTION  
(31) 2021902204 (32) 17.07.21 (33) AU

(71) Duke University  
(21) 2022206452 (22) 18.07.2022  
(54) Systems and methods for applying electrical stimulation for optimizing spinal cord stimulation  
(62) 2020205274

**DURECT CORPORATION see The United States Government as represented by The Department of Veterans Affairs**  
(21) 2022205208

(71) E. I. du Pont de Nemours and Company  
(21) 2022205254 (22) 15.07.2022  
(54) NUCLEATED CRYSTALLIZATION OF POLY(TRIMETHYLENE-2,5-FURANDICARBOXYLATE) (PTF) AND ARTICLES MADE THEREFROM  
(62) 2020203599

(71) Eargun Limited  
(21) 2022205257 (22) 15.07.2022  
(54) Piercing Device With Retractable Needle  
(31) 2110227.2 (32) 15.07.21 (33) GB

(71) Fu An Wellness Technology, Inc.  
(21) 2022205261 (22) 15.07.2022  
(54) Device With Anti-Gravity And Suspension

(71) Fu An Wellness Technology, Inc.  
(21) 2022205262 (22) 15.07.2022  
(54) Bounce Treadmill

(71) Gale, T.  
(21) 2022205274 (22) 15.07.2022  
(54) FindMyStuff RAC

(71) Genomatica, Inc.  
(21) 2022205243 (22) 14.07.2022  
(54) MICROORGANISMS FOR PRODUCING 1,4-BUTANEDIOL AND METHYLS RELATED THERETO  
(62) 2020202162

Complete Applications Filed - Name Index cont'd

**Gensight Biologics see Institut National de la Sante et de la Recherche Medicale (INSERM)**  
**(21)** 2022205258

**(71)** Grail, Inc.; The Chinese University of Hong Kong  
**(21)** 2022205234 **(22)** 14.07.2022  
**(54)** Diagnostic applications using nucleic acid fragments  
**(62)** 2018212272

**(71)** Gruppo Cimbali S.p.A.  
**(21)** 2022205252 **(22)** 15.07.2022  
**(54)** BEVERAGE-MAKING MACHINE  
**(31)** 102021000018791 **(32)** 15.07.21 **(33)** IT

**(71)** Halliburton Energy Services, Inc.  
**(21)** 2022205232 **(22)** 14.07.2022  
**(54)** Self-orienting selective lockable assembly to regulate subsurface depth and positioning  
**(62)** 2017400555

**(71)** Hangzhou Biotest Biotech Co., LTD.; Advin Biotech, Inc.  
**(21)** 2022205191 **(22)** 12.07.2022  
**(54)** SAMPLE COLLECTOR  
**(31)** 202210594528.0 **(32)** 27.05.22 **(33)** CN  
 63/350,572 09.06.22 US

**(71)** Hangzhou DAC Biotech Co., Ltd  
**(21)** 2022205269 **(22)** 15.07.2022  
**(54)** A conjugate of a tubulysin analog with branched linkers  
**(62)** 2017445144

**(71)** Harpur, L.  
**(21)** 2022205276 **(22)** 17.07.2022  
**(54)** SLIP DOUBLE BOWL CONNECTOR  
**(62)** 2021290212

**(71)** HITIQ LIMITED  
**(21)** 2022206692 **(22)** 18.07.2022  
**(54)** AUTOMATED DETECTION OF HEAD AFFECTING IMPACT EVENTS IN DATA COLLECTED VIA INSTRUMENTED MOUTHGUARD DEVICES  
**(62)** 2021221584

**(71)** IGT  
**(21)** 2022205193 **(22)** 13.07.2022  
**(54)** STREAMING WAGERING GAMES  
**(31)** 17/379,414 **(32)** 19.07.21 **(33)** US

**(71)** IGT  
**(21)** 2022205238 **(22)** 14.07.2022  
**(54)** Funding a Gaming Establishment Account as Part of a Financial Account Rewards Program  
**(31)** 17/382,026 **(32)** 21.07.21 **(33)** US

**(71)** II-VI Delaware, Inc.  
**(21)** 2022205215 **(22)** 13.07.2022  
**(54)** On-mirror integrated adaptive optics  
**(31)** 17/385,474 **(32)** 26.07.21 **(33)** US

**(71)** Immatics Biotechnologies GmbH  
**(21)** 2022205209 **(22)** 13.07.2022  
**(54)** Novel peptides and combination of peptides for use in immunotherapy against esophageal cancer and other cancers  
**(62)** 2021200800

**(71)** INCYTE HOLDINGS CORPORATION  
**(21)** 2022206693 **(22)** 18.07.2022  
**(54)** TREATMENT OF B-CELL MALIGNANCIES BY A COMBINATION JAK AND PI3K INHIBITOR  
**(62)** 2020213313

**(71)** Inner Mongolia Electric Power Research Institute Branch of Inner Mongolia Electric Power (Group) Co., Ltd.  
**(21)** 2022205251 **(22)** 14.07.2022  
**(54)** METHOD AND SYSTEM FOR CONTROLLING POWER QUALITY OF AN INTERGRATED ENERGY PARK BASED ON CPS  
**(31)** 202210605534.1 **(32)** 30.05.22 **(33)** CN

**(71)** Inspire Medical Systems, Inc.  
**(21)** 2022205230 **(22)** 14.07.2022  
**(54)** Accelerometer-based sensing for sleep disordered breathing (SDB) care  
**(62)** 2017252643

**(71)** Institute for Information Industry  
**(21)** 2022205223 **(22)** 13.07.2022  
**(54)** WEARABLE POSITIONING DEVICE AND WEARABLE POSITIONING METHOD  
**(31)** 110131932 **(32)** 27.08.21 **(33)** TW

**(71)** Institut National de la Sante et de la Recherche Medicale (INSERM); Sorbonne Université; Centre National de la Recherche Scientifique; Gensight Biologics  
**(21)** 2022205258 **(22)** 15.07.2022  
**(54)** Device for illuminating an object with a controlled light intensity and associated method  
**(62)** 2017285331

**(71)** Itron, Inc  
**(21)** 2022205201 **(22)** 13.07.2022  
**(54)** Hub and spoke publish-subscribe  
**(31)** 17/378,526 **(32)** 16.07.21 **(33)** US

**(71)** Janssen Oncology, Inc.  
**(21)** 2022206696 **(22)** 18.07.2022  
**(54)** Methods and compositions for treating cancer  
**(62)** 2021201649

**(71)** Katholieke Universiteit Leuven  
**(21)** 2022205227 **(22)** 13.07.2022  
**(54)** Cell Therapy for Myelodysplastic Syndromes  
**(62)** 2020227131

**(71)** L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procèdes Georges Claude  
**(21)** 2022206694 **(22)** 18.07.2022  
**(54)** OBTAINING A PRODUCT BY ELECTROLYSIS  
**(31)** 21190119.4 **(32)** 06.08.21 **(33)** EP

**(71)** LG ELECTRONICS INC.  
**(21)** 2022205217 **(22)** 13.07.2022  
**(54)** PANEL ASSEMBLY FOR A HOME APPLIANCE AND HOME APPLIANCE THEREWITH  
**(31)** KR10-2021-0091825 **(32)** 13.07.21 **(33)** KR  
 KR10-2021-0091832 13.07.21 KR  
 KR10-2021-0091835 13.07.21 KR

**(71)** LG ELECTRONICS INC.  
**(21)** 2022206710 **(22)** 19.07.2022  
**(54)** VEHICLE, REFRIGERATOR FOR VEHICLE, AND CONTROLLING METHOD FOR REFRIGERATOR FOR VEHICLE  
**(62)** 2018309544

**(71)** Ludwig-Maximilians-Universität München  
**(21)** 2022205240 **(22)** 14.07.2022  
**(54)** CXCR6-transduced T cells for targeted tumor therapy  
**(62)** 2016336868

**(71)** Lunella Biotech, Inc.  
**(21)** 2022205218 **(22)** 13.07.2022  
**(54)** Mitoriboscins: mitochondrial-based therapeutics targeting cancer cells, bacteria, and pathogenic yeast  
**(62)** 2018235937

**(71)** Lymphact - Lymphocyte Activation Technologies S. A.  
**(21)** 2022205271 **(22)** 15.07.2022  
**(54)** Methods for the production of TCR gamma delta+ T cells  
**(62)** 2016274633

**(71)** Maximum Soil and Water Productivity Pty Ltd  
**(21)** 2022206765 **(22)** 21.07.2022  
**(54)** Soil loosening and furrower assemblies and a bed renovator therefor  
**(62)** 2016309945

**(71)** Meetin, R.  
**(21)** 2022205247 **(22)** 14.07.2022

Complete Applications Filed - Name Index cont'd

- (54) INFORMATION-PRESENTATION STRUCTURE WITH INTELLIGENTLY CONTROLLED IMPACT-SENSITIVE COLOR CHANGE  
(62) 2017355301
- 
- (71) Nexba IP Pty Ltd  
(21) 2022205200 (22) 13.07.2022  
(54) Compositions comprising natural sweetener combinations and food and beverage products comprising same  
(62) 2017210582
- 
- (71) Noopl, Inc  
(21) 2022205203 (22) 13.07.2022  
(54) A NOISE REDUCTION METHOD AND SYSTEM  
(62) 2020203800
- 
- (71) Ohio State Innovation Foundation; Cardinal Health 414, LLC  
(21) 2022205225 (22) 13.07.2022  
(54) Compositions, methods and kits for diagnosing and treating CD206 expressing cell-related disorders  
(62) 2020200293
- 
- (71) OURFUTURES HOLDINGS PTY LTD  
(21) 2022205245 (22) 14.07.2022  
(54) Recyclable container and methods of its manufacture  
(31) 2021902159 (32) 14.07.21 (33) AU
- 
- (71) P.V. Flood Control Corp.  
(21) 2022205231 (22) 14.07.2022  
(54) TUBE FOR PREVENTING WATER FROM ENTERING A BASIN  
(62) 2020370830
- 
- (71) PERCEPTIVE SENSOR TECHNOLOGIES LLC  
(21) 2022205190 (22) 12.07.2022  
(54) NON-LINEAR ULTRASOUND METHOD AND APPARATUS FOR QUANTITATIVE DETECTION OF MATERIALS (LIQUIDS, GAS, PLASMA)  
(62) 2020283140
- 
- (71) Phenogy AG  
(21) 2022205210 (22) 13.07.2022  
(54) BATTERY  
(62) 2020202672
- 
- (71) Precision Planting LLC  
(21) 2022205255 (22) 15.07.2022  
(54) Seed delivery apparatus, systems, and methods  
(62) 2021201632
- 
- (71) PT. PEGADAIAN (Persero)  
(21) 2022205265 (22) 15.07.2022
- (54) DIGITAL SERVICE-BASED PAWN TRANSACTION SYSTEM  
(31) P00202203314 (32) 16.03.22 (33) ID
- 
- (71) Ripponlea Australia Pty Ltd  
(21) 2022205249 (22) 14.07.2022  
(54) A DOOR LOCKING DEVICE  
(31) 2021902144 (32) 14.07.21 (33) AU
- 
- (71) RTI International  
(21) 2022205221 (22) 13.07.2022  
(54) Diarylureas As CB1 Allosteric Modulators  
(62) 2018265148
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(54) Highly Flexible Shelf Device  
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(54) Apparatus and Methods for Reducing Vibration of 3D Printers  
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(54) Asynchronous Reciprocation Engine
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(54) EVALUATION SYSTEM AND METHOD  
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 AND METHOD  
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<b>2022205231</b>	P.V. Flood Control Corp.	<b>2022206694</b>	L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude
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**Innovation Patent Applications Filed**

**Name Index**

Applications listed below were processed through the Patent Office Canberra during the period ending 19 Jul 2022 .  
(This list may contain multiple listings of a patent application where there are multiple applicants for that patent.)

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(21) 2022100096 (22) 21.07.2022  
(54) Force-activated earphone  
(62) 2021107568

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(71) Buggy Enterprises Pty Ltd  
(21) 2022100095 (22) 19.07.2022  
(54) A COMPOSITION FOR PET FOOD  
AND METHOD OF PRODUCING THE  
SAME  
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(71) HPS Tech Pty Ltd  
(21) 2022100098 (22) 22.07.2022  
(54) Processing protein  
(62) 2021258062

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(71) June365 Limited  
(21) 2022100100 (22) 26.07.2022  
(54) An Exercise Device  
(62) 2021221561

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(71) Kilmallock (ACT) Pty Ltd  
(21) 2022100093 (22) 19.04.2022  
(54) Blind-Type Curtain  
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Ltd  
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(54) A paper-based single use food grade  
container  
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(21) 2022100094 (22) 18.07.2022  
(54) BOOKING SYSTEM FOR PERSON-  
NEL SUPPLY CHAINS  
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**2022100096** Apple Inc.

**2022100097** McLachlan, I.  
**2022100098** HPS Tech Pty Ltd  
**2022100099** Pinnacle International Wholesalers Pty Ltd  
**2022100100** June365 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:

**Code Meaning**

- 1 Application Lapsed Section 142(2)(a)
- 3 Application Lapsed Section 142(2)(c)
- 4 Application Lapsed Section 142(2)(d)
- 5 Application Lapsed Section 142(2)(e)
- 6 Application Lapsed Section 142(2)(f)/Reg. 13.5A(2)\Reg. 8.3(3)
- 7 Application Lapsed Reg. 3.2A(3)/Reg. 3.2C
- 8 Application Lapsed Reg. 3.4(6)
- 9 Application Lapsed Section 142(3)
- 11 Application Lapsed Section 148(1)(c)
- 12 Application Withdrawn Section 141(1)
- 13 Application Withdrawn Section 141(2)/Reg 13.1C\Section 141(3)/See Reg 8.3(2)
- 14 Patent Ceased Section 143(a), or Expired
- 15 Patent Ceased Section 143(b)
- 16 Application Refused
- 17 Application Lapsed Reg. 22.2B(2)
- 18 Application Lapsed Reg. 3.2B(3),(5) or (6)
- 20 Patent Ceased Section 143A(b)/Reg. 22.2D(2) or (4)
- 21 Patent Ceased Section 101C(b)/Section 143A(c)/Reg. 9A.4
- 22 Patent Ceased Section 143A(d), or Expired
- 23 Patent Ceased Section 143A(e)
- 24 Application Lapsed Reg. 22.2E(2)
- 25 Application Lapsed Reg. 22.2I(2)
- 26 Application Lapsed Reg. 3.5AC(11)
- 27 Application Lapsed Reg. 3.5AF(2F)
- 28 Application Lapsed Reg. 22.15A(3)
  
- A Applications on which examination has not been requested or directed
- B Applications on which a direction to request examination has been given
- C Applications on which examination has been requested or on which an examination report has been issued
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 2018434568 ( 5C )

**2019**

2019100070 ( 22 ) 2019101728 ( 22E ) 2019209932 ( 5C )  
 2019227433 ( 5C ) 2019232978 ( 5C ) 2019246449 ( 5C )  
 2019261739 ( 14 ) 2019288754 ( 5C )

**2020**

2020100013 ( 22E ) 2020100014 ( 22E ) 2020100015 ( 22E )  
 2020100019 ( 22E ) 2020100026 ( 22E ) 2020100027 ( 22E )  
 2020100035 ( 22E ) 2020100038 ( 22E ) 2020100044 ( 22E )  
 2020100045 ( 22E ) 2020100046 ( 22E ) 2020100047 ( 22E )  
 2020100048 ( 22E ) 2020100050 ( 22E ) 2020100051 ( 22E )  
 2020100052 ( 22E ) 2020100053 ( 22E ) 2020100054 ( 22E )  
 2020100055 ( 22E ) 2020100058 ( 22E ) 2020200467 ( 5C )  
 2020201354 ( 5C ) 2020201485 ( 5C ) 2020202381 ( 5C )  
 2020202980 ( 5C ) 2020203527 ( 5C ) 2020203976 ( 5C )  
 2020205269 ( 4C ) 2020207823 ( 5C ) 2020213269 ( 16C )  
 2020217404 ( 5C ) 2020220120 ( 5C ) 2020223764 ( 5C )

2020233668 ( 4C ) 2020239619 ( 4C ) 2020239657 ( 5C )  
 2020244452 ( 5C ) 2020264306 ( 5C ) 2020267305 ( 5C )  
 2020277118 ( 5C ) 2020277296 ( 5C ) 2020281027 ( 5C )  
 2020281172 ( 5C ) 2020385374 ( 5C )

**2021**

2021106520 ( 21F ) 2021106526 ( 21F ) 2021107067 ( 21F )  
 2021201018 ( 4C ) 2021201786 ( 5C ) 2021202376 ( 5C )  
 2021204998 ( 12CN ) 2021266231 ( 4B ) 2021902237 ( 12AN )  
 2021902261 ( 12AN ) 2021902280 ( 12AN ) 2021902324 ( 12AN )  
 2021902325 ( 12AN ) 2021902328 ( 12AN ) 2021902358 ( 12AN )  
 2021902359 ( 12AN ) 2021903303 ( 12AN )

**2022**

2022202764 ( 1B ) 2022202779 ( 1B ) 2022202900 ( 1B )  
 2022202927 ( 1B ) 2022901805 ( 12AN )

**Complete Specifications Treated as Provisional Specifications, Section 37**

**2022**

2022205246 **4:3:2: PTY LTD** Provisional Number: 2022902073

**Assignments before Grant, Section 113**

**2016**

2016342066 Protonex Technology Corporation The application has been assigned to **Upstart Power, Inc.**

**2017**

2017223046 Solvay Specialty Polymers USA, LLC The application has been assigned to **Myerson, LLC**

2017267243 Alphagen NZ Limited The application has been assigned to **Arepa IP Limited**

**2018**

2018291472 Giskit B.V. The application has been assigned to **Giskit MD B.V.**

2018344383 Koninklijke Philips N.V. The application has been assigned to **InnoSIGN B.V.**

**2019**

2019227788 Nextremity Solutions, Inc. The application has been assigned to **Zimmer, Inc.**

2019280104 Nextremity Solutions, Inc. The application has been assigned to **Zimmer, Inc.**

2019282216 Bühler Insect Technology Solutions AG The application has been assigned to **Bühler AG**

2019282217 Bühler Insect Technology Solutions AG The application has been assigned to **Bühler AG**

2019283855 Standard Car Truck Company The application has been assigned to **Transportation IP Holdings, LLC**

**Assignments before Grant, Section 113**

2019366821 Nextremity Solutions, Inc. The application has been assigned to **Zimmer, Inc.**

**2020**

2020201062 Nextremity Solutions, Inc. The application has been assigned to **Zimmer, Inc.**

2020202706 Koninklijke Philips N.V. The application has been assigned to **InnoSIGN B.V.**

2020221966 TiGenix, S.A.U. The application has been assigned to **Takeda Pharmaceutical Company Limited**

2020228979 TiGenix, S.A.U. The application has been assigned to **Takeda Pharmaceutical Company Limited**

2020257911 Medshine Discovery Inc. The application has been assigned to **China Resources Biopharmaceutical Company Limited**

2020261431 Regeneron Pharmaceuticals, Inc.; Sanofi Biotechnology; Zilberstein, Moshe E. The application has been assigned to **Regeneron Pharmaceuticals, Inc.; Sanofi Biotechnology**

2020267164 Alphagen NZ Limited The application has been assigned to **Arepa IP Limited**

2020322881 Medshine Discovery Inc. The application has been assigned to **China Resources Pharmaceutical Holdings Company Limited**

2020374934 Nanjing Letop Biotechnology Co., Ltd. The application has been assigned to **Nanjing Hanxin Pharmaceutical Technology Co., Ltd.**

2020391549 Humax Co., Ltd.; WILUS INSTITUTE OF STANDARDS AND TECHNOLOGY INC. The application has been assigned to **WILUS INSTITUTE OF STANDARDS AND TECHNOLOGY INC.**

2020407738 WILUS INSTITUTE OF STANDARDS AND TECHNOLOGY INC.; Humax Co., Ltd. The application has been assigned to **WILUS INSTITUTE OF STANDARDS AND TECHNOLOGY INC.**

**2021**

2021221512 N.A. & E.P. COON NOMINEES PTY LTD The application has been assigned to **QLM Label Makers Pty Ltd**

2021902207 N.A. & E.P. COON NOMINEES PTY LTD The application has been assigned to **QLM Label Makers Pty Ltd**

**2022**

2022204231 Gregory, Shaun The application has been assigned to **Aqua Mould Systems NZ Limited**

**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.

**2007**

2007289452 **Arc Innovations Limited** An application to extend the time from 31 Aug 2021 to 30 Jun 2022 in which to pay a renewal fee has been filed . Address for service - AJ PARK Level 24, Tower 2, Darling Park 201 Sussex St Sydney NSW 2000 AU

**2012**

2012327167 **Metabolic Pharmaceuticals Pty Ltd** An application to extend the time from 07 Dec 2018 to 07 Jun 2022 in which to pay a renewal fee has been filed . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

**2017**

2017339047 **Tyco Building Services Products Limited; Macron Safety Systems (UK) Limited** An application to extend the time from 04 Oct 2021 to 04 May 2022 in which to pay a continuation fee has been filed . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

**2021**

2021202583 **American Express Travel Related Services Company, Inc.** An application to extend the time from 19 Oct 2021 to 19 May 2022 in which to pay a continuation fee has been filed . Address for service - FB Rice Pty Ltd Level 23, 44 Market Street Sydney NSW 2000 AU

**2022**

2022201926 **Cripps Clark, J.** An application to extend the time from 03 Aug 2021 to 03 Apr 2022 in which to make a further application for a divisional patent has been filed . Address for service - Julianne Mary Cripps Clark Kearsley Rd Kearsley NSW 2325 AU

2022203396 **METROMAX AMERICA CORPORATION** An application to extend the time from 14 Aug 2020 to 14 Jun 2022 in which to claim the convention priority date has been filed . Address for service - AJ PARK GPO Box 2513 Sydney NSW 2001 AU

**Applications Allowed - Section 223(2)****2012**

2012203452 **Ennadi, A.** The time in which to pay a renewal fee has been extended to 09 Nov 2021 . Address for service - Davies Collison Cave Pty Ltd Level 14 255 Elizabeth St Sydney NSW 2000 AU

**2013**

2013293613 **Agency for Science, Technology and Research** The time in which to pay a renewal fee has been extended to 26 Feb 2022 . Address for service - Phillips Ormonde Fitzpatrick 333 Collins St Melbourne VIC 3000 AU

**2015**

2015373890 **Moeller, M.** The time in which to request examination and pay the continuation fee has been extended to 09 Apr 2022 . Address for service - Southern Cross Intellectual Property Limited PO Box 8026 Wellington 6140 NZ

**Extensions of Time, Section 223**

**2017**

2017215330 **Torque Fitness, LLC** The time in which to gain acceptance has been extended to 20 Aug 2022 . Address for service - WRAYS PTY LTD L7 863 Hay St Perth WA 6000 AU

2017216572 **Dragontail Systems Ltd.** The time in which to pay a continuation fee has been extended to 18 Mar 2022 . Address for service - Collison & Co GPO Box 2556 Adelaide SA 5001 AU

2017325722 **SurModics, Inc.** The time in which to pay a continuation fee has been extended to 14 Apr 2022 . Address for service - Dark IP PO BOX 2416 Fortitude Valley BC QLD 4006 AU

**2018**

2018100451 **Kerr Engineering (WA) Pty Ltd** The time in which to pay a renewal fee has been extended to 09 Dec 2021 . Address for service - Griffith Hack Level 10 161 Collins St MELBOURNE VIC 3000 AU

2018100452 **Kerr Engineering (WA) Pty Ltd** The time in which to pay a renewal fee has been extended to 09 Dec 2021 . Address for service - Griffith Hack Level 10 161 Collins St MELBOURNE VIC 3000 AU

2018200152 **Agency for Science, Technology and Research** The time in which to pay a renewal fee has been extended to 26 Mar 2022 . Address for service - Pizeys Patent and Trade Mark Attorneys Pty Ltd GPO Box 1374 Brisbane QLD 4001 AU

**2019**

2019200745 **Kerr Engineering (WA) Pty Ltd** The time in which to pay a renewal fee has been extended to 09 Dec 2021 . Address for service - Griffith Hack Level 10 161 Collins St MELBOURNE VIC 3000 AU

2019406629 **SHELL INTERNATIONALE RESEARCH MAATSCHAP-PIJ B.V.** The time in which to enter the National Phase has been extended to 18 Mar 2022 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

**2021**

2021266335 **PharmaEssentia Corporation** The time in which to extend the grace period has been extended to 13 Nov 2021 . Address for service - Cotters Patent & Trade Mark Attorneys GPO Box 469 Sydney NSW 2001 AU

**2022**

2022202220 **The Council of the Queensland Institute of Medical Research** The time in which to make a further application for a divisional patent has been extended to 24 Apr 2022 . Address for service - James & Wells Intellectual Property GPO Box 1301 CANBERRA ACT 2601 AU

2022204789 **Blue Belt Technologies, Inc.** The time in which to make a further application for a divisional patent has been extended to 30 Jul 2022 . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

2022206710 **LG ELECTRONICS INC.** The time in which to make a further application for a divisional patent has been extended to 10 Aug 2022 . Address for service - Dentons Patent Attorneys Australasia Limited 18 Viaduct Harbour Avenue Auckland CBD 1142 NZ

**Extensions of Time, Section 223**

**Section 223(1) Allowances**

**2022**

2022202639 **Astellas Institute for Regenerative Medicine** The time in which to request examination has been extended to 03 Aug 2022

**Amendments**

**Applications for Amendment**

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

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

**2015**

2015234361 A CLADDING SHEET **BLUESCOPE STEEL LIMITED** The nature of the amendment is as shown in the statement(s) filed 02 Jun 2022 . Address for service - WRAYS PTY LTD L7 863 Hay St Perth WA 6000 AU

2015249072 COMPOSITIONS AND METHODS FOR INHIBITING EXPRESSION OF TRANSTHYRETIN **Alnylam Pharmaceuticals, Inc.** The nature of the amendment is as shown in the statement(s) filed 13 May 2022 . Address for service - Griffith Hack GPO Box 4164 Sydney NSW 2001 AU

2015280721 A wireless initiation device **Orica International Pte Ltd** The nature of the amendment is as shown in the statement(s) filed 24 Jun 2022 . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

**2017**

2017280000 Alkaline electrochemical cell with improved anode and separator components **Energizer Brands, LLC** The nature of the amendment is: Add the names of co-inventors HENNEK, Matthew; TURBA, Tim F. and ZHU, Enqing . Address for service - AJ PARK GPO Box 2513 Sydney NSW 2001 AU

2017319306 Identification of mutations in channelopsin variants having improved light sensitivity and methods of use thereof **Wayne State University** The nature of the amendment is: Add the names of co-inventors GANJAWALA, Tushar; LU, Qi and ABRAMS, Gary . Address for service - Phillips Ormonde Fitzpatrick PO Box 323 COLLINS STREET WEST VIC 8007 AU

2017330374 Systems and methods for randomized, packet-based power management of conditionally-controlled loads and bi-directional distributed energy storage systems **University of Vermont and State Agricultural College** The nature of the amendment is as shown in the statement(s) filed 26 Jun 2022 . Address for service - Pizeys Patent and Trade Mark Attorneys Pty Ltd PO Box 291 WODEN ACT 2606 AU

2017369603 Process for the preparation of freeze-dried 2-[(3-aminopropyl)amino]ethanethiol formulation **CleveXel Pharma ; Institut Gustave Roussy** The nature of the amendment is: Add co-pat-

**Amendments**

entee Université Paris Saclay . Address for service - MINTER ELLISON  
Collins Arch 447 Collins St Melbourne VIC 3000 AU

**2018**

2018101203 TELECOMMUNICATION SYSTEM AND METHOD,  
AND COMPONENTS THEREFOR **Mine Site Technologies Pty  
Ltd** The nature of the amendment is as shown in the statement(s)  
filed 12 Apr 2022 . Address for service - Allens Patent & Trade Mark At-  
torneys Level 37 101 Collins Street Melbourne VIC 3000 AU

2018270926 Long-acting interleukin-15 receptor agonists and related  
immunotherapeutic compositions and methods **Nektar Therapeut-  
ics** The nature of the amendment is as shown in the statement(s)  
filed 29 Jun 2022 . Address for service - Griffith Hack Level 10 161  
Collins St MELBOURNE VIC 3000 AU

2018330033 Lineage reporter synthetic chromosomes and methods  
of use **CarryGenes Bioengineering** The nature of the amendment  
is as shown in the statement(s) filed 21 Jun 2022 . Address for service -  
FB Rice Pty Ltd L 33 477 Collins Street Melbourne VIC 3000 AU

**2019**

2019267678 Weightlifting machine **Coulter Ventures LLC** The  
nature of the amendment is as shown in the statement(s) filed 21 Jul  
2022 . Address for service - Griffith Hack GPO Box 4164 Sydney NSW  
2001 AU

2019373245 Compounds for inhibition of alpha 4β7 integrin **Gilead  
Sciences, Inc.** The nature of the amendment is as shown in the  
statement(s) filed 05 Jul 2022 . Address for service - FPA Patent Attor-  
neys Pty Ltd Level 19, South Tower 80 Collins Street Melbourne VIC  
3000 AU

2019421939 Method for manufacturing butter-like food derived from  
vegetable milk and butter-like food derived from vegetable milk **Wis-  
teria Co., Ltd.** The nature of the amendment is as shown in the  
statement(s) filed 06 Jul 2022 . Address for service - Spruson & Fer-  
guson GPO Box 3898 Sydney NSW 2001 AU

**2020**

2020257041 Crystalline forms of C21H22Cl2N4O2 **BioMed Val-  
ley Discoveries, Inc. ; Vertex Pharmaceuticals Incorporated** The  
nature of the amendment is as shown in the statement(s) filed 09 Jun  
2022 . Address for service - FB Rice Pty Ltd L 33 477 Collins Street  
Melbourne VIC 3000 AU

**2021**

2021103662 ADAPTOR FOR A PEELING TOOL **Krelle , S.M.**  
The nature of the amendment is: Amend the name of the inventor to  
add inventor Strike, Peter Albert . Address for service - Michael Buck IP  
PO Box 78 Red Hill QLD 4059 AU

2021323388 Binding proteins recognizing HA-1 antigen and uses  
thereof **TScan Therapeutics, Inc.** The nature of the amendment is  
as shown in the statement(s) filed 15 Jul 2022 . Address for service -  
RnB IP Pty Ltd PO Box 9530 DEAKIN ACT 2600 AU

**Amendments Made**

**Amendments**

**2012**

2012255675 **Saluda Medical Pty Limited** The nature of the amend-  
ment is: Amend the name of the inventor to read Parker, John Louis and  
Wah, James Hamilton

2012255676 **Saluda Medical Pty Limited** The nature of the amend-  
ment is: Amend the name of the inventor to read Parker, John Louis;  
Wah, James Hamilton; Karantonis, Dean Michael; Obradovic, Milan and  
Gorman, Robert Bruce

**2013**

2013344311 **Saluda Medical Pty Ltd** The nature of the amendment  
is: Amend the name of the inventor to read Single, Peter Scott Vallack  
and Wah, James Hamilton

**2017**

2017200568 **Iqbal, S.** The nature of the amendment is: Amend the  
name of the inventor to read Iqbal, Shahid

2017201110 **Saluda Medical Pty Limited** The nature of the amend-  
ment is: Amend the name of the inventor to read Parker, John Louis and  
Wah, James Hamilton

2017220302 **AgJunction LLC** The nature of the amendment is as  
shown in the statement filed 19 Apr 2022

2017246242 **Saluda Medical Pty Ltd** The nature of the amendment  
is: Amend the name of the inventor to read WAH, JAMES HAMILTON

**2018**

2018222562 **AMO Ireland** The nature of the amendment is as  
shown in the statement filed 20 Apr 2022

2018233157 **Imagine Intelligent Materials Ltd** The nature of the  
amendment is: Amend the name of the inventor to read Aitchison,  
Philip; Giorgio, Vito and Gorkin, Robert

2018233574 **Imagine Intelligent Materials Ltd** The nature of the  
amendment is: Amend the name of the inventor to read Aitchison,  
Philip; Giorgio, Vito and Gorkin, Robert

2018261331 **SPG Therapeutics, Inc.** The nature of the amendment  
is as shown in the statement filed 12 Apr 2022

2018373384 **Ranpak Corp.** The nature of the amendment is as  
shown in the statement filed 19 Apr 2022

**2019**

2019237980 **Rosemount Inc** The nature of the amendment is as  
shown in the statements filed 16 Dec 2021 and 07 Apr 2022

2019265268 **LG Chem, Ltd.** The nature of the amendment is as  
shown in the statement filed 14 Apr 2022

2019319669 **Shanda Group Pte., Ltd.** The nature of the amend-  
ment is: Amend the name of the inventor to read CHEN, Tianqiao and  
NG, Hosen

**Amendments**

**2020**

2020204573 **Dexcom, Inc.** The nature of the amendment is: Amend the name of the inventor to read Morris, Gary A.; Belliveau, Scott M.; Cabrera Jr., Esteban; Draeger, Rian; Dunn, Laura J.; Goldsmith, Timothy Joseph; Hampapuram, Hari; Hannemann, Christopher Robert; Kamath, Apurv Ullas; Koehler, Katherine Yerre; McBride, Patrick Wile; Mensinger, Michael Robert; Pascual, Francis William; Pellouchoud, Philip Mansiel; Polytaridis, Nicholas; Pupa, Philip Thomas; Davis, Anna Leigh; Shoemaker, Kevin; Smith, Brian Christopher; West, Benjamin Elrod and Wiley, Atiim Joseph

2020233703 **Zhongshan Ophthalmic Center, Sun Yat-Sen University; Suzhou Xuanjia Optics and Electronics Technology Co. Ltd.** The nature of the amendment is as shown in the statement filed 11 Apr 2022

2020323951 **Dalian University of Technology** The nature of the amendment is: Amend the name of the inventor to read LIN, Chi; YU, Yongda; ZHANG, Yichuan; WANG, Lei; WU, Guowe; ZHAO, Zhehuan and LUO, Zhongxuan

2020353984 **Takeda Pharmaceutical Company Limited** The nature of the amendment is as shown in the statement filed 07 Jul 2022

2020355000 **Omega Therapeutics, Inc.** The nature of the amendment is: Amend the name of the inventor to read PATIL, Vishwesh Ashok; FARELLI, Jeremiah D.; KARNIK, Rahul; SMITH, Jesse Jerome; SARISOZEN, Can; SCHEIDEGGER, Adam Walter and BENNETT, Barbara

2020370874 **Kiffik Inc.** The nature of the amendment is: Amend the name of the inventor to read ESSALIK, Abdeltif and BENSALEM, Samia

2020379731 **Revolution Medicines, Inc.** The nature of the amendment is: Amend the name of the inventor to read AGGEN, James; BURNETT, G. Leslie; PITZEN, Jennifer; GILL, Adrian L.; KOLTUN, Elena S.; CREGG, James; BUCKL, Andreas; EDWARDS, Anne V.; SEMKO, Christopher; GLIEDT, Micah James; KNOX, John E. and THOMAS, William D.

2020405885 **POSCO; Research Institute of Industrial Science & Technology** The nature of the amendment is: Amend the invention title to read A method for controlling the size of lithium peroxide and a method for preparing lithium oxide with controlled size

2020407266 **Neoperl GmbH** The nature of the amendment is: Amend the invention title to read JET REGULATOR

2020411439 **Taiho Pharmaceutical Co., Ltd.** The nature of the amendment is: Amend the invention title to read AGENT FOR ADJUVANT THERAPY

2020412599 **Avava, Inc.** The nature of the amendment is as shown in the statement filed 28 Jun 2022

2020420235 **Asahi Group Holdings, Ltd.** The nature of the amendment is: Amend the invention title to read A composition for improving unpleasant taste caused by high-intensity sweeteners

2020421315 **JFE Steel Corporation** The nature of the amendment is: Amend the invention title to read METHOD FOR PRODUCING COAL BLEND AND METHOD FOR PRODUCING COKE

**Amendments**

2020425149 **Shandong University** The nature of the amendment is: Amend the invention title to read TBM-MOUNTED ROCK ALTERATION CHARACTERISTICS IDENTIFICATION AND GEOLOGICAL PREDICTION SYSTEM, AND METHOD THEREOF

2020425444 **Shandong University** The nature of the amendment is: Amend the invention title to read TBM-MOUNTED ADVANCED GEOLOGICAL PREDICTION SYSTEM AND METHOD BASED ON GAS MONITORING AT TUNNEL FACE

**2021**

2021202406 **Stratus Medical, LLC** The nature of the amendment is as shown in the statement(s) filed 20 Jan 2022

2021203682 **Spin Master, Inc.** The nature of the amendment is: Amend the name of the inventor to read GAINES, C. Latham and GRANER, Stephen

2021212299 **United Initiators GmbH** The nature of the amendment is: Amend the invention title to read Transporting and storage container for peroxides

2021233727 **CJ CheilJedang Corporation** The nature of the amendment is: Amend the invention title to read Variant of Genus Yarowia and method of preparing fat using the same

2021323388 **TScan Therapeutics, Inc.** The nature of the amendment is: Amend the name of the inventor to read NAYAR, Ribhu; MACBEATH, Gavin; JANGALWE, Sonal; JUREWICZ, Mollie M.; BASINSKI, Andrew S.; XU, Qikai; BOUDOT, Antoine J. and KULA, Tomasz

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

**2004**

2004281024 ADC Telecommunications, Inc. The name of the patentee has been altered to **COMMSCOPE CONNECTIVITY LLC**

**2005**

2005217983 ADC Telecommunications, Inc. The name of the patentee has been altered to **COMMSCOPE CONNECTIVITY LLC**

2005305007 ADC Telecommunications, Inc. The name of the patentee has been altered to **COMMSCOPE CONNECTIVITY LLC**

**2006**

2006249421 ADC Telecommunications, Inc. The name of the patentee has been altered to **COMMSCOPE CONNECTIVITY LLC**

2006249424 ADC Telecommunications, Inc. The name of the patentee has been altered to **COMMSCOPE CONNECTIVITY LLC**

**2007**

2007215468 ADC Telecommunications, Inc. The name of the patentee has been altered to **COMMSCOPE CONNECTIVITY LLC**

2007261609 ADC Telecommunications, Inc. The name of the patentee has been altered to **COMMSCOPE CONNECTIVITY LLC**

**Amendments****2008**

2008200313 ADC Telecommunications, Inc. The name of the patentee has been altered to **COMMSCOPE CONNECTIVITY LLC**

2008247361 ADC Telecommunications, Inc. The name of the patentee has been altered to **COMMSCOPE CONNECTIVITY LLC**

2008311242 ADC Telecommunications, Inc. The name of the patentee has been altered to **COMMSCOPE CONNECTIVITY LLC**

2008318753 ADC Telecommunications, Inc. The name of the patentee has been altered to **COMMSCOPE CONNECTIVITY LLC**

2008343787 Impax Laboratories, Inc. The name of the patentee has been altered to **Impax Laboratories, LLC**

**2009**

2009209134 ADC Telecommunications, Inc. The name of the patentee has been altered to **COMMSCOPE CONNECTIVITY LLC**

2009338702 ADC Telecommunications, Inc. The name of the patentee has been altered to **COMMSCOPE CONNECTIVITY LLC**

**2010**

2010276211 ADC Telecommunications, Inc. The name of the patentee has been altered to **COMMSCOPE CONNECTIVITY LLC**

**2011**

2011209792 ADC Telecommunications, Inc. The name of the patentee has been altered to **COMMSCOPE CONNECTIVITY LLC**

2011212790 ADC Telecommunications, Inc. The name of the patentee has been altered to **COMMSCOPE CONNECTIVITY LLC**

2011270834 ADC Telecommunications, Inc. The name of the patentee has been altered to **COMMSCOPE CONNECTIVITY LLC**

2011327917 Thermo Shandon Ltd The name of the patentee has been altered to **Shandon Diagnostics Limited**

**2012**

2012201616 ADC Telecommunications, Inc. The name of the patentee has been altered to **COMMSCOPE CONNECTIVITY LLC**

2012265621 ADC Telecommunications, Inc. The name of the patentee has been altered to **COMMSCOPE CONNECTIVITY LLC**

2012272693 ADC Telecommunications, Inc. The name of the patentee has been altered to **COMMSCOPE CONNECTIVITY LLC**

2012318396 ADC Telecommunications, Inc. The name of the patentee has been altered to **COMMSCOPE CONNECTIVITY LLC**

**2013**

2013203864 ADC Telecommunications, Inc. The name of the patentee has been altered to **COMMSCOPE CONNECTIVITY LLC**

**Amendments**

2013242864 ADC Telecommunications, Inc. The name of the patentee has been altered to **COMMSCOPE CONNECTIVITY LLC**

2013242866 ADC Telecommunications, Inc. The name of the patentee has been altered to **COMMSCOPE CONNECTIVITY LLC**

**2014**

2014202306 Impax Laboratories, Inc. The name of the patentee has been altered to **Impax Laboratories, LLC**

2014311389 ADC Telecommunications, Inc. The name of the patentee has been altered to **COMMSCOPE CONNECTIVITY LLC**

**2015**

2015205930 ADC Telecommunications, Inc. The name of the patentee has been altered to **COMMSCOPE CONNECTIVITY LLC**

**2016**

2016201870 ADC Telecommunications, Inc. The name of the patentee has been altered to **COMMSCOPE CONNECTIVITY LLC**

2016264772 Sterna Biologicals GmbH & Co.KG The name of the patentee has been altered to **Sterna Biologicals GmbH**

**2017**

2017290556 Cynosure, Inc. The name of the applicant has been altered to **Cynosure, LLC**

**2018**

2018330089 Thermo Shandon Limited The name of the applicant has been altered to **Shandon Diagnostics Limited**

2018335869 The Scripps Research Institute; Avanti Polar Lipids, Inc. The name of the applicant has been altered to **The Scripps Research Institute; Avanti Polar Lipids, LLC**

**2019**

2019204108 Sterna Biologicals GmbH & Co.KG The name of the patentee has been altered to **Sterna Biologicals GmbH**

2019335857 ILifeflow Sp. z o.o. The name of the applicant has been altered to **Hemolens Diagnostics Sp. z o.o**

**2020**

2020353829 Panasonic Corporation The name of the applicant has been altered to **Panasonic Holdings Corporation**

2020404842 ICT Corporation The name of the applicant has been altered to **PURE MEDICAL, INC.**

2020414651 Caroma Industries Limited The name of the applicant has been altered to **micas AG; Caroma Industries Limited**

2020417245 Techtronic Cordless GP The name of the applicant has been altered to **Techtronic Floor Care Technology Limited**

**Amendments**

2020421616 Techtronic Cordless GP The name of the applicant has been altered to **Techtronic Floor Care Technology Limited**

2020423700 Techtronic Cordless GP The name of the applicant has been altered to **Techtronic Floor Care Technology Limited**



Applications Open to Public Inspection

Name Index

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

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(71) 2807302 Ontario Inc  
 (11) AU-A-2022200332  
 (21) 2022200332 (22) 19.01.2022  
 (54) Double Wall Folding Chair and Method for Use  
 (51) Int. Cl.  
     **A47C 4/08** ( 2006.01 )  
     **A47C 7/56** ( 2006.01 )  
 (31) 63/139,347 (32) 20.01.21 (33) US  
 (43) 04.08.2022  
 (72) Bottrell, James  
 (74) Sandercock & Cowie

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(71) ACCENTURE GLOBAL SOLUTIONS LIMITED  
 (11) AU-A-2022200232  
 (21) 2022200232 (22) 14.01.2022  
 (54) Product presentation for customer relationship management  
 (51) Int. Cl.  
     **G10L 15/00** ( 2013.01 )  
     **G06N 3/00** ( 2006.01 )  
     **G10L 13/00** ( 2006.01 )  
 (31) 17/248,314 (32) 19.01.21 (33) US  
 (43) 04.08.2022  
 (72) Copeland, Shannon  
 (74) Murray Trento & Associates Pty Ltd

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(71) Angel Group Co., Ltd.  
 (11) AU-A-2022205219  
 (21) 2022205219 (22) 13.07.2022  
 (54) System for counting quantity of game tokens  
 (51) Int. Cl.  
     **G07F 17/32** ( 2006.01 )  
     **A63F 1/06** ( 2006.01 )  
     **G07F 9/02** ( 2006.01 )  
 (43) 04.08.2022  
 (62) 2018201238  
 (72) SHIGETA, Yasushi  
 (74) FB Rice Pty Ltd

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(71) Apple Inc.  
 (11) AU-A-2022205199  
 (21) 2022205199 (22) 13.07.2022  
 (54) Controlling electronic devices and displaying information based on wireless ranging  
 (51) Int. Cl.  
     **G06F 3/01** ( 2006.01 )  
     **G06F 1/16** ( 2006.01 )  
     **G06F 3/00** ( 2006.01 )  
     **H04M 1/725** ( 2021.01 )  
 (43) 04.08.2022  
 (62) 2020203003  
 (72) FOSTER, James H.; KERR, Duncan R.  
 (74) FPA Patent Attorneys Pty Ltd

(71) APR APPLIED PHARMA RESEARCH S.A.  
 (11) AU-A-2022205198  
 (21) 2022205198 (22) 13.07.2022  
 (54) MODIFIED RELEASE ORALLY ADMINISTERED AMINO ACID FORMULATIONS  
 (51) Int. Cl.  
     **A61K 9/00** ( 2006.01 )  
     **A23L 33/175** ( 2016.01 )  
     **A61K 9/16** ( 2006.01 )  
     **A61K 9/50** ( 2006.01 )  
     **A61K 31/198** ( 2006.01 )  
     **A61K 31/401** ( 2006.01 )  
     **A61K 31/405** ( 2006.01 )  
     **A61K 31/4172** ( 2006.01 )  
     **A61K 45/06** ( 2006.01 )  
 (43) 04.08.2022  
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 (72) Reiner, Alberto; Reiner, Giorgio  
 (74) AJ PARK

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(71) ARC Medical Design Limited  
 (11) AU-A-2022205212  
 (21) 2022205212 (22) 13.07.2022  
 (54) Medical scope accessory, medical scopes comprising the accessory, and use thereof  
 (51) Int. Cl.  
     **A61B 1/00** ( 2006.01 )  
 (43) 04.08.2022  
 (62) 2017264835  
 (72) Axon, Patrick  
 (74) FB Rice Pty Ltd

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(71) Aristocrat Technologies, Inc.  
 (11) AU-A-2022200230  
 (21) 2022200230 (22) 14.01.2022  
 (54) PROJECTION DISPLAY SYSTEM FOR GAMING DEVICE  
 (51) Int. Cl.  
     **G03B 21/10** ( 2006.01 )  
     **A63F 13/26** ( 2014.01 )  
     **G07F 17/32** ( 2006.01 )  
 (31) 17/491,203 (32) 30.09.21 (33) US  
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 (43) 04.08.2022  
 (72) MILLER Sr., Charles; JADEJA, Rajendrasinh; BAUM, Michael  
 (74) Griffith Hack

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(71) Avation Medical, Inc.  
 (11) AU-A-2022205207  
 (21) 2022205207 (22) 13.07.2022  
 (54) System, method, and apparatus for applying transcutaneous electrical stimulation  
 (51) Int. Cl.  
     **A61N 1/36** ( 2006.01 )  
     **A61N 1/04** ( 2006.01 )

(43) 04.08.2022  
 (62) 2019333201  
 (72) CAMPEAN, Alexandru; WEISGARBER, Jeff A.; ZHANG, Mingming  
 (74) FB Rice Pty Ltd

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(71) Bavarian Nordic A/S  
 (11) AU-A-2022205166  
 (21) 2022205166 (22) 12.07.2022  
 (54) Recombinant modified vaccinia virus Ankara (MVA) Foot and mouth disease virus (FMDV) vaccine  
 (51) Int. Cl.  
     **A61K 39/12** ( 2006.01 )  
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 (62) 2016278806  
 (72) Steigerwald, Robin; Kalla, Markus  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

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(71) Becton Dickinson and Company Limited  
 (11) AU-A-2022205244  
 (21) 2022205244 (22) 14.07.2022  
 (54) Protector housing plastic spike with flash intended for DVO last drop extraction  
 (51) Int. Cl.  
     **A61J 1/20** ( 2006.01 )  
 (43) 04.08.2022  
 (62) 2019253678  
 (72) MARICI, Paul Paia  
 (74) FB Rice Pty Ltd

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(71) Beijing Tusen Zhitu Technology Co., Ltd.  
 (11) AU-A-2022200208  
 (21) 2022200208 (22) 13.01.2022  
 (54) Method, device, and system for simulation test  
 (51) Int. Cl.  
     **G06F 11/34** ( 2006.01 )  
     **G05B 17/02** ( 2006.01 )  
     **G06F 11/36** ( 2006.01 )  
     **G06T 3/40** ( 2006.01 )  
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 (43) 04.08.2022  
 (72) Wang, Yuyong; Sui, Qingyu; Ji, Pingyuan; Hao, Jianan; Nie, Lei; Wang, Haocheng  
 (74) FB Rice Pty Ltd

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(71) Berkeley Lights, Inc.  
 (11) AU-A-2022205213  
 (21) 2022205213 (22) 13.07.2022  
 (54) In situ-generated microfluidic isolation structures, kits and methods of use thereof  
 (51) Int. Cl.  
     **B01L 3/00** ( 2006.01 )

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 (74) FB Rice Pty Ltd

(71) Bodd Technologies Pty Ltd  
 (11) AU-A-2022200413  
 (21) 2022200413 (22) 21.01.2022  
 (54) Printer head for 3D printer and methods of using same  
 (51) Int. Cl.  
*B29C 64/209* ( 2017.01 )  
*B29C 64/118* ( 2017.01 )  
*B29C 64/295* ( 2017.01 )  
*B29C 64/236* ( 2017.01 )  
*B29C 64/321* ( 2017.01 )  
*B29K 29/00* ( 2006.01 )  
*B29K 55/02* ( 2006.01 )  
*B29K 67/00* ( 2006.01 )  
*B29K 75/00* ( 2006.01 )  
 (31) 2021900136 (32) 21.01.21 (33) AU  
 (43) 04.08.2022  
 (72) Ellis, David Maxwell  
 (74) FB Rice Pty Ltd

(71) Brown, J.  
 (11) AU-A-2022205188  
 (21) 2022205188 (22) 12.07.2022  
 (54) Gravitationally Assisted Rotating Apparatus  
 (51) Int. Cl.  
*F03G 7/10* ( 2006.01 )  
*B60B 19/00* ( 2006.01 )  
*B60B 19/12* ( 2006.01 )  
 (31) 2022900222 (32) 04.02.22 (33) AU  
 (43) 04.08.2022  
 (72) Brown, John  
 (74) Golja Haines & Friend

(71) Brown, J.  
 (11) AU-A-2022205189  
 (21) 2022205189 (22) 12.07.2022  
 (54) Magnetically Assisted Rotating Apparatus  
 (51) Int. Cl.  
*H02K 21/02* ( 2006.01 )  
*H02K 1/27* ( 2022.01 )  
*H02K 7/00* ( 2006.01 )  
*H02K 41/00* ( 2006.01 )  
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 (21) 2022205225

(71) CATERPILLAR GLOBAL MINING LLC  
 (11) AU-A-2022200071  
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(54) SWING GEAR ASSEMBLY AND METHOD FOR MANUFACTURING THE SAME  
 (51) Int. Cl.  
*E02F 9/12* ( 2006.01 )  
*B23P 15/14* ( 2006.01 )  
 (31) 17/154,567 (32) 21.01.21 (33) US  
 (43) 04.08.2022  
 (72) WANASEK, Christopher R.; SCHMIDT, Jason M.  
 (74) FPA Patent Attorneys Pty Ltd

(71) CATERPILLAR INC.  
 (11) AU-A-2022200045  
 (21) 2022200045 (22) 06.01.2022  
 (54) FUEL INJECTOR HAVING DRY-RUNNING PROTECTION VALVE AND FUEL SYSTEM USING SAME  
 (51) Int. Cl.  
*F02M 63/02* ( 2006.01 )  
 (31) 17/150,159 (32) 15.01.21 (33) US  
 (43) 04.08.2022  
 (72) BANNUR NAGARAJA, Manjunath; TATIKONDA, Venkata R.; TOWER, Benjamin R.  
 (74) FPA Patent Attorneys Pty Ltd

(71) CG & BH PTY LTD  
 (11) AU-A-2021277647  
 (21) 2021277647 (22) 30.11.2021  
 (54) CONTACTLESS INTERACTIVE TICKETING SYSTEM  
 (51) Int. Cl.  
*G06Q 10/02* ( 2012.01 )  
*G06Q 10/10* ( 2012.01 )  
*G06Q 30/02* ( 2012.01 )  
*G06Q 90/00* ( 2006.01 )  
 (31) 2021900100 (32) 18.01.21 (33) AU  
 (43) 04.08.2022  
 (72) Garlick, Carl; Harris, Ben  
 (74) IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD

(71) Chugai Saiyaku Kabushiki Kaisha  
 (11) AU-A-2022205222  
 (21) 2022205222 (22) 13.07.2022  
 (54) Pyrazolopyridine Derivative Having GLP-1 Receptor Agonist Effect  
 (51) Int. Cl.  
*C07D 471/04* ( 2006.01 )  
*A61K 31/437* ( 2006.01 )  
*A61K 31/444* ( 2006.01 )  
*A61K 31/4709* ( 2006.01 )  
*A61K 31/4725* ( 2006.01 )  
*A61K 31/496* ( 2006.01 )  
*A61K 31/506* ( 2006.01 )  
*A61K 31/5377* ( 2006.01 )  
*A61K 31/5386* ( 2006.01 )  
*A61P 1/16* ( 2006.01 )  
*A61P 3/04* ( 2006.01 )  
*A61P 3/06* ( 2006.01 )  
*A61P 3/10* ( 2006.01 )  
*A61P 9/10* ( 2006.01 )  
*A61P 25/16* ( 2006.01 )  
*A61P 25/28* ( 2006.01 )  
*C07D 519/00* ( 2006.01 )

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 (62) 2020223687  
 (72) YOSHINO, Hitoshi; TSUCHIYA, Satoshi; MATSUO, Atsushi; SATO, Tsutomu; NISHIMOTO, Masahiro; OGURI, Kyoko; OGAWA, Hiroko; NISHIMURA, Yoshikazu; FURUTA, Yoshiyuki; KASHIWAGI, Hiroataka; HORI, Nobuyuki; KAMON, Takuma; SHIRAIISHI, Takuya; YOSHIDA, Shoshin; KAWAI, Takahiro KAWAI; TANIDA, Satoshi; AOKI, Masahide  
 (74) WRAYS PTY LTD

(71) CMTE Development Limited  
 (11) AU-A-2022205196  
 (21) 2022205196 (22) 13.07.2022  
 (54) Optical acoustic sensing system and method  
 (51) Int. Cl.  
*B65G 43/02* ( 2006.01 )  
*G01H 9/00* ( 2006.01 )  
*G01M 13/04* ( 2019.01 )  
*G06F 17/14* ( 2006.01 )  
 (43) 04.08.2022  
 (62) 2018223214  
 (72) WILSON, Paul; BROOKS, Timothy; GILANG, Long; HOEHN, Karsten; LOFGREN, Michael  
 (74) Spruson & Ferguson

(71) CNH Industrial America LLC  
 (11) AU-A-2022200216  
 (21) 2022200216 (22) 14.01.2022  
 (54) System and method for monitoring agricultural fluid deposition rate during a spraying operation  
 (51) Int. Cl.  
*A01C 23/00* ( 2006.01 )  
*A01C 21/00* ( 2006.01 )  
*B05B 12/02* ( 2006.01 )  
 (31) 17/149,841 (32) 15.01.21 (33) US  
 (43) 04.08.2022  
 (72) Stanhope, Trevor; Bittner, Roy A.  
 (74) Griffith Hack

(71) CNH Industrial America LLC  
 (11) AU-A-2022200217  
 (21) 2022200217 (22) 14.01.2022  
 (54) System and method for dispensing agricultural fluids onto plants present within a field based on plant size  
 (51) Int. Cl.  
*A01C 23/00* ( 2006.01 )  
*A01C 21/00* ( 2006.01 )  
 (31) 17/149,868 (32) 15.01.21 (33) US  
 (43) 04.08.2022  
 (72) Harmon, Andrew W.  
 (74) Griffith Hack

(71) ConMed Corporation  
 (11) AU-A-2022205206  
 (21) 2022205206 (22) 13.07.2022  
 (54) DRILL GUIDE ASSEMBLY  
 (51) Int. Cl.  
*A61B 17/17* ( 2006.01 )  
*A61B 17/00* ( 2006.01 )

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**(62)** 2019356439  
**(72)** THIBODEAU, Robert A.; ALFONSO, Gregory A.; SUMMITT, Matthew C.; CASANAS, Joaquim  
**(74)** Griffith Hack

**(71)** ConMed Corporation  
**(11)** AU-A-2022205211  
**(21)** 2022205211 **(22)** 13.07.2022  
**(54)** SOFT TISSUE CUTTING INSTRUMENT WITH SELF LOCKING, MULTI-POSITION, AND SLIDE BUTTON LINEARLY ACTUATED RETRACTABLE BLADE OR HOOK  
**(51)** Int. Cl.

**A61B 17/32** ( 2006.01 )  
**A61B 17/00** ( 2006.01 )  
**A61B 17/3209** ( 2006.01 )  
**A61B 17/3211** ( 2006.01 )  
**A61B 90/00** ( 2016.01 )  
**F16H 27/06** ( 2006.01 )  
**H01H 3/44** ( 2006.01 )

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**(62)** 2019353012  
**(72)** WILLARD, Benjamin  
**(74)** Griffith Hack

**(71)** Dart Industries Inc.  
**(11)** AU-A-2021277636  
**(21)** 2021277636 **(22)** 30.11.2021  
**(54)** CHOPPER BLADE ASSEMBLY  
**(51)** Int. Cl.

**A47J 43/044** ( 2006.01 )  
**B26D 1/12** ( 2006.01 )  
**(31)** 17/153,152 **(32)** 20.01.21 **(33)** US  
**(43)** 04.08.2022  
**(72)** Verbrugge, Steven J.; Ye, Junyu; Carrette, Johan  
**(74)** Phillips Ormonde Fitzpatrick

**(71)** DEKA Products Limited Partnership  
**(11)** AU-A-2022205229  
**(21)** 2022205229 **(22)** 14.07.2022  
**(54)** MEDICAL TREATMENT SYSTEM AND METHODS USING A PLURALITY OF FLUID LINES  
**(51)** Int. Cl.

**A61M 1/14** ( 2006.01 )  
**(43)** 04.08.2022  
**(62)** 2020244559  
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**(74)** RnB IP Pty Ltd

**(71)** Delta Electronics (Shanghai) Co.,Ltd.  
**(11)** AU-A-2022200164  
**(21)** 2022200164 **(22)** 12.01.2022  
**(54)** POWER CONVERSION SYSTEM AND METHOD OF CONTROLLING THE SAME  
**(51)** Int. Cl.  
**H02J 1/10** ( 2006.01 )

**H02M 3/158** ( 2006.01 )  
**(31)** 202110061168.3 **(32)** 18.01.21 **(33)** CN  
**(43)** 04.08.2022  
**(72)** SHEN, Guoqiao; HE, Ning; WANG, Changyong  
**(74)** Griffith Hack

**(71)** Drop Truck Pty Ltd  
**(11)** AU-A-2021200257  
**(21)** 2021200257 **(22)** 15.01.2021  
**(54)** LOWERING CHASSIS ATTACHMENT FOR FRONT WHEEL DRIVE TRUCK  
**(51)** Int. Cl.  
**B60P 1/02** ( 2006.01 )  
**(43)** 04.08.2022  
**(72)** Spaliviero, Steven Wayne  
**(74)** protectmyidea.com.au

**DURECT CORPORATION see The United States Government as represented by The Department of Veterans Affairs**  
**(21)** 2022205208

**(71)** Electric Energy Express Corporation  
**(11)** AU-A-2021290414  
**(21)** 2021290414 **(22)** 29.12.2021  
**(54)** Fuel cell energy circulative utilization system  
**(51)** Int. Cl.

**H02J 7/32** ( 2006.01 )  
**H01M 8/04** ( 2016.01 )  
**H01M 8/043** ( 2016.01 )  
**H01M 8/18** ( 2006.01 )  
**H01M 16/00** ( 2006.01 )  
**H02J 15/00** ( 2006.01 )  
**(31)** 110101720 **(32)** 15.01.21 **(33)** TW  
**(43)** 04.08.2022  
**(72)** Tseng, Ling-Yuan  
**(74)** FB Rice Pty Ltd

**(71)** Evolution Drill Rigs Pty Ltd  
**(11)** AU-A-2021290249  
**(21)** 2021290249 **(22)** 21.12.2021  
**(54)** A system for transferring drill rod including a storage sloop  
**(51)** Int. Cl.  
**E21B 19/14** ( 2006.01 )  
**E21B 19/15** ( 2006.01 )  
**(31)** 2021900081 **(32)** 15.01.21 **(33)** AU  
**(43)** 04.08.2022  
**(72)** Little, Graham Patrick; Flanders, Keith William  
**(74)** Michael Buck IP

**(71)** Evolva SA  
**(11)** AU-A-2022205176  
**(21)** 2022205176 **(22)** 12.07.2022  
**(54)** Production of steviol glycosides in recombinant hosts  
**(51)** Int. Cl.  
**C12N 9/10** ( 2006.01 )  
**C12N 1/18** ( 2006.01 )  
**C12P 15/00** ( 2006.01 )  
**C12P 19/56** ( 2006.01 )

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**(62)** 2016211124  
**(72)** Olsson, Kim; Simon, Ernesto; Dalggaard Mikkelsen, Michael; Carlsen, Simon; Douchin, Veronique; Lim, Swee Chuang; During, Louis  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** FORTEX WALL SYSTEMS PTY LTD  
**(11)** AU-A-2022200312  
**(21)** 2022200312 **(22)** 18.01.2022  
**(54)** SANDWICH PANEL  
**(51)** Int. Cl.  
**C04B 28/04** ( 2006.01 )  
**B32B 13/02** ( 2006.01 )  
**B32B 13/04** ( 2006.01 )  
**E04C 2/04** ( 2006.01 )  
**E04C 2/06** ( 2006.01 )  
**(31)** 2021900109 **(32)** 19.01.21 **(33)** AU  
**(43)** 04.08.2022  
**(72)** Wang, Jonathan  
**(74)** Davies Collison Cave Pty Ltd

**(71)** GASBOT PTY LTD  
**(11)** AU-A-2021200379  
**(21)** 2021200379 **(22)** 20.01.2021  
**(54)** METHOD AND APPARATUS  
**(51)** Int. Cl.  
**G01F 23/2962** ( 2022.01 )  
**(43)** 04.08.2022  
**(72)** Varnes, Ross  
**(74)** Daniel Rosenthal

**(71)** Grail, Inc.; The Chinese University of Hong Kong  
**(11)** AU-A-2022205234  
**(21)** 2022205234 **(22)** 14.07.2022  
**(54)** Diagnostic applications using nucleic acid fragments  
**(51)** Int. Cl.  
**C12Q 1/68** ( 2018.01 )  
**C12Q 1/70** ( 2006.01 )  
**G01N 33/50** ( 2006.01 )  
**(43)** 04.08.2022  
**(62)** 2018212272  
**(72)** LO, Yuk-Ming Dennis; CHIU, Rossa Wai Kwun; CHAN, Kwan Chee; JIANG, Peiyong; LAM, Wai Kei  
**(74)** Griffith Hack

**(71)** Guangxi University of Chinese Medicine  
**(11)** AU-A-2021202256  
**(21)** 2021202256 **(22)** 14.04.2021  
**(54)** RABBIT FIXATOR FOR EXPERIMENTS  
**(51)** Int. Cl.  
**A61D 3/00** ( 2006.01 )  
**A01K 1/06** ( 2006.01 )  
**A01K 15/04** ( 2006.01 )  
**(31)** 202120167460.9 **(32)** 21.01.21 **(33)** CN  
**(43)** 04.08.2022  
**(72)** Du, Zhengcai; Deng, Jiagang; Hao, Erwei; Hou, Xiaotao; Xia, Zhongshang; Chen, Zhangmei  
**(74)** Madderns Pty Ltd

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 (11) AU-A-2022205232  
 (21) 2022205232 (22) 14.07.2022  
 (54) Self-orienting selective lockable assembly to regulate subsurface depth and positioning  
 (51) Int. Cl.  
*E21B 23/01* ( 2006.01 )  
*E21B 33/12* ( 2006.01 )  
*E21B 43/10* ( 2006.01 )  
 (43) 04.08.2022  
 (62) 2017400555  
 (72) DURST, Douglas Glenn; PONTON, Calvin Barnard  
 (74) Spruson & Ferguson
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- (71) Hao, G.  
 (11) AU-A-2022200241  
 (21) 2022200241 (22) 14.01.2022  
 (54) Air hockey tabletop assembly and table comprising same  
 (51) Int. Cl.  
*A63D 15/04* ( 2006.01 )  
*A63B 67/04* ( 2006.01 )  
*A63F 7/06* ( 2006.01 )  
*A63F 7/36* ( 2006.01 )  
 (31) 2021900129 (32) 21.01.21 (33) AU  
 (43) 04.08.2022  
 (72) Hao, Guan  
 (74) COOPER IP PTY. LTD.
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- (71) Holland Products Pty Ltd  
 (11) AU-A-2022200382  
 (21) 2022200382 (22) 20.01.2022  
 (54) Beam  
 (51) Int. Cl.  
*E04C 3/04* ( 2006.01 )  
*E04C 3/02* ( 2006.01 )  
*E04C 3/08* ( 2006.01 )  
 (31) 2021900122 (32) 20.01.21 (33) AU  
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 (72) Holland, Martin Charles  
 (74) WRAYS PTY LTD
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 (11) AU-A-2022205209  
 (21) 2022205209 (22) 13.07.2022  
 (54) Novel peptides and combination of peptides for use in immunotherapy against esophageal cancer and other cancers  
 (51) Int. Cl.  
*C07K 14/47* ( 2006.01 )  
*A61K 39/00* ( 2006.01 )  
*C07K 14/635* ( 2006.01 )  
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 (62) 2021200800  
 (72) Mahr, Andrea; Weinschenk, Toni; Song, Colette; Schoor, Oliver; Fritsche, Jens; Singh, Harpreet  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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 (11) AU-A-2021290296  
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 (54) Portable Embroidery Workstation  
 (51) Int. Cl.
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*D05B 43/00* ( 2006.01 )  
*D05C 11/00* ( 2006.01 )  
*B65D 19/02* ( 2006.01 )  
*B65D 19/38* ( 2006.01 )  
*B65D 71/00* ( 2006.01 )  
*B65D 81/38* ( 2006.01 )  
*B65D 88/12* ( 2006.01 )  
 (31) 2021900102 (32) 18.01.21 (33) AU  
 (43) 04.08.2022  
 (72) Mirovic, Denis; Harrison, Clinton  
 (74) WRAYS PTY LTD
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 (11) AU-A-2022205230  
 (21) 2022205230 (22) 14.07.2022  
 (54) Accelerometer-based sensing for sleep disordered breathing (SDB) care  
 (51) Int. Cl.  
*A61N 1/36* ( 2006.01 )  
 (43) 04.08.2022  
 (62) 2017252643  
 (72) Dieken, Dave; Verzal, Kevin; Rondoni, John; Ni, Quan; Wagner, Darrell; Thorp, Chris; Villasensor, Everardo; Hedin, Michael; Moskovitz, Nicole  
 (74) FB Rice Pty Ltd
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- (71) Jolly, R.  
 (11) AU-A-2021286258  
 (21) 2021286258 (22) 13.12.2021  
 (54) Vacuum Grain Drying Apparatus  
 (51) Int. Cl.  
*F26B 25/16* ( 2006.01 )  
*A01F 25/22* ( 2006.01 )  
*A23B 9/08* ( 2006.01 )  
*F26B 9/06* ( 2006.01 )  
 (31) 63/138,620 (32) 18.01.21 (33) US  
 (43) 04.08.2022  
 (72) Jolly, Rodrick  
 (74) Michael Buck IP
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- (71) Kabushiki Kaisha Toshiba; Toshiba Energy Systems & Solutions Corporation  
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 (51) Int. Cl.  
*B01D 53/54* ( 2006.01 )  
*B01D 47/12* ( 2006.01 )  
*B01D 53/62* ( 2006.01 )  
*B01D 53/75* ( 2006.01 )  
*B01D 53/78* ( 2006.01 )  
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 (43) 04.08.2022  
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 (74) Davies Collison Cave Pty Ltd
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- (71) Katholieke Universiteit Leuven  
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 (51) Int. Cl.
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*C12N 5/00* ( 2006.01 )  
*A01K 67/027* ( 2006.01 )  
*A61K 35/54* ( 2015.01 )  
*A61K 49/00* ( 2006.01 )  
*C12N 5/074* ( 2010.01 )  
*G01N 33/50* ( 2006.01 )  
 (43) 04.08.2022  
 (62) 2020227131  
 (72) Roobrouck, Valerie; Delforge, Michel; Verfaillie, Catherine M.  
 (74) ACROGON GROUP PTY LTD
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*G06Q 30/06* ( 2012.01 )  
 (43) 04.08.2022  
 (72) kurt, umit  
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- (71) LAKE COUNTRY TOOL, LLC  
 (11) AU-A-2022200129  
 (21) 2022200129 (22) 11.01.2022  
 (54) ADJUSTABLE STROKE DEVICE WITH CAM  
 (51) Int. Cl.  
*B24B 41/04* ( 2006.01 )  
*B24B 23/03* ( 2006.01 )  
*B24B 23/04* ( 2006.01 )  
*B24B 47/12* ( 2006.01 )  
*B25F 5/00* ( 2006.01 )  
*F16C 3/28* ( 2006.01 )  
 (31) 17/152,976 (32) 20.01.21 (33) US  
 (43) 04.08.2022  
 (72) MCLAIN, Scott S.  
 (74) Houlihan<sup>2</sup> Pty Ltd
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 (21) 2022200269
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- (71) LG ELECTRONICS INC.  
 (11) AU-A-2022206710  
 (21) 2022206710 (22) 19.07.2022  
 (54) VEHICLE, REFRIGERATOR FOR VEHICLE, AND CONTROLLING METHOD FOR REFRIGERATOR FOR VEHICLE  
 (51) Int. Cl.  
*B60N 3/10* ( 2006.01 )

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**F25D 23/00** ( 2006.01 )  
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**(72)** KI, Duchan; CHUN, Chanh  
**(74)** Dentons Patent Attorneys Australasia Limited

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**(21)** 2022200269 **(22)** 17.01.2022  
**(54)** EFFORT-**SAVING CRANK STRUCTURE AND ASSEMBLY OF BICYCLE**  
**(51)** Int. Cl.  
**B62M 3/00** ( 2006.01 )  
**(31)** 110102157 **(32)** 20.01.21 **(33)** TW  
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**(72)** LIN, Hsuan-Chih; LEE, Chun-Cheng  
**(74)** LESICAR MAYNARD ANDREWS PTY LTD

**(71)** LINEAGE LOGISTICS, LLC  
**(11)** AU-A-2022204344  
**(21)** 2022204344 **(22)** 21.06.2022  
**(54)** AUTOMATIC TRANSPORTATION OF PALLETS OF GOODS  
**(51)** Int. Cl.  
**G05D 1/02** ( 2020.01 )  
**B25J 5/04** ( 2006.01 )  
**B25J 9/02** ( 2006.01 )  
**B25J 9/04** ( 2006.01 )  
**B65G 60/00** ( 2006.01 )  
**B65G 63/00** ( 2006.01 )  
**B65G 67/02** ( 2006.01 )  
**B66C 19/00** ( 2006.01 )  
**G06Q 10/08** ( 2012.01 )  
**G06Q 50/28** ( 2012.01 )  
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**(74)** RnB IP Pty Ltd

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**(11)** AU-A-2022205218  
**(21)** 2022205218 **(22)** 13.07.2022  
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**(51)** Int. Cl.  
**C07C 235/46** ( 2006.01 )  
**C07C 275/24** ( 2006.01 )  
**(43)** 04.08.2022  
**(62)** 2018235937  
**(72)** LISANTI, Michael P.; SOTGIA, Federica  
**(74)** Spruson & Ferguson

**(71)** Meetin, R.  
**(11)** AU-A-2022205247  
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**(51)** Int. Cl.  
**A63B 71/06** ( 2006.01 )  
**A63B 24/00** ( 2006.01 )

**G02F 1/155** ( 2006.01 )  
**(43)** 04.08.2022  
**(62)** 2017355301  
**(72)** Meetin, Ronald J.  
**(74)** IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD

**(71)** Meng, C.  
**(11)** AU-A-2021200298  
**(21)** 2021200298 **(22)** 18.01.2021  
**(54)** Electric ARC Lighter. Windproof, Rechargeable, Environment Friendly ARC Electric lighter for kitchen, gas, BBQ, candle, outdoor use, etc..  
**(51)** Int. Cl.  
**F23Q 3/01** ( 2006.01 )  
**(43)** 04.08.2022  
**(72)** Meng, Chunhui  
**(74)** Chunhui Meng

**(71)** MORSE MICRO PTY. LTD.  
**(11)** AU-A-2022204860  
**(21)** 2022204860 **(22)** 06.07.2022  
**(54)** Programmable polar and cartesian radio frequency digital to analog converter  
**(51)** Int. Cl.  
**H04L 27/36** ( 2006.01 )  
**H03M 1/66** ( 2006.01 )  
**H03M 1/72** ( 2006.01 )  
**H03M 1/78** ( 2006.01 )  
**H03M 3/00** ( 2006.01 )  
**H04B 1/04** ( 2006.01 )  
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**(72)** Terry, Andrew  
**(74)** MORSE MICRO PTY. LTD.

**(71)** Nexba IP Pty Ltd  
**(11)** AU-A-2022205200  
**(21)** 2022205200 **(22)** 13.07.2022  
**(54)** Compositions comprising natural sweetener combinations and food and beverage products comprising same  
**(51)** Int. Cl.  
**A23L 27/30** ( 2016.01 )  
**(43)** 04.08.2022  
**(62)** 2017210582  
**(72)** BILBE, Drew Benjamin; DOUGLAS, Troy Alexander Findlay  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Noname Gate Ltd.  
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**(21)** 2022201749 **(22)** 19.01.2022  
**(54)** Techniques for securing computing interfaces  
**(51)** Int. Cl.  
**G06F 21/00** ( 2013.01 )  
**(31)** 17/154,764 **(32)** 21.01.21 **(33)** US  
**(43)** 04.08.2022  
**(72)** Levi, Shay; Golan, Oz; Zigman, Hila; Shpigel, Oren; Maman, Netanel; Alkalai, Yuval  
**(74)** James & Wells Intellectual Property

**(71)** Noopl, Inc  
**(11)** AU-A-2022205203  
**(21)** 2022205203 **(22)** 13.07.2022  
**(54)** A NOISE REDUCTION METHOD AND SYSTEM  
**(51)** Int. Cl.  
**H04B 15/00** ( 2006.01 )  
**G10L 21/02** ( 2013.01 )  
**H04R 1/20** ( 2006.01 )  
**(43)** 04.08.2022  
**(62)** 2020203800  
**(72)** Van Hoesel, Richard; Mejia, Jorge  
**(74)** FAL PATENTS PTY LTD

**(71)** NuCana PLC  
**(11)** AU-A-2022204691  
**(21)** 2022204691 **(22)** 30.06.2022  
**(54)** SYNTHESIS OF SUBSTANTIALLY DI-ASTEREOMERICALLY PURE PHOSPHATE PROTIDES  
**(51)** Int. Cl.  
**C07H 1/02** ( 2006.01 )  
**C07F 9/02** ( 2006.01 )  
**C07F 9/24** ( 2006.01 )  
**C07H 19/10** ( 2006.01 )  
**(43)** 04.08.2022  
**(62)** 2018284131  
**(72)** GRIFFITH, Hugh; KENNOVIN, Gordon; DAMMALAPATI, Venkata Lakshmi Narasimha Rao; KOTALA, Mani Bushan  
**(74)** AJ PARK

**(71)** Ohio State Innovation Foundation; Cardinal Health 414, LLC  
**(11)** AU-A-2022205225  
**(21)** 2022205225 **(22)** 13.07.2022  
**(54)** Compositions, methods and kits for diagnosing and treating CD206 expressing cell-related disorders  
**(51)** Int. Cl.  
**A61K 49/00** ( 2006.01 )  
**A61K 51/04** ( 2006.01 )  
**A61K 51/06** ( 2006.01 )  
**A61P 19/02** ( 2006.01 )  
**A61P 31/06** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**A61K 103/00** ( 2006.01 )  
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**(43)** 04.08.2022  
**(62)** 2020200293  
**(72)** COPE, Frederick; BLUE, Michael; METZ, Wendy; SCHLESINGER, Larry  
**(74)** Griffith Hack

**(71)** P.V. Flood Control Corp.  
**(11)** AU-A-2022205231  
**(21)** 2022205231 **(22)** 14.07.2022  
**(54)** TUBE FOR PREVENTING WATER FROM ENTERING A BASIN  
**(51)** Int. Cl.  
**E04H 4/06** ( 2006.01 )  
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**(72)** Vickers, Paul  
**(74)** Pizeys Patent and Trade Mark Attorneys Pty Ltd

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 (51) Int. Cl.  
*H01M 6/32* ( 2006.01 )  
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 (74) Murray Trento & Associates Pty Ltd
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- (71) RHODIA OPERATIONS  
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 (54) SEED TREATMENT METHOD  
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 CHARTIER, Carole; PHELIPPEAU,  
 Patrick  
 (74) AJ PARK
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 (11) AU-A-2022204503  
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 (54) RAPID ASPIRATION THROMBEC-  
 TOMY SYSTEM AND METHOD  
 (51) Int. Cl.  
*A61M 29/00* ( 2006.01 )  
*A61B 17/22* ( 2006.01 )  
*A61M 25/01* ( 2006.01 )  
*A61B 17/221* ( 2006.01 )  
*A61M 25/06* ( 2006.01 )  
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 (54) Improved roller skate trucks  
 (51) Int. Cl.  
*A63C 17/22* ( 2006.01 )  
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 (54) Diarylureas As CB1 Allosteric Modulat-  
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*C07C 275/30* ( 2006.01 )  
*A61K 31/17* ( 2006.01 )  
*A61K 31/4164* ( 2006.01 )  
*A61P 25/30* ( 2006.01 )  
*C07D 233/56* ( 2006.01 )
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 (72) ZHANG, Yanan; NGUYEN, Thuy T.;  
 GERMAN, Nadezhda  
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 (11) AU-A-2022205216  
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 (54) IMPROVEMENTS IN AN ELECTRIC-  
 AL MODULE CONNECTOR AND SYS-  
 TEM  
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 (54) Chromosome representation determin-  
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 (51) Int. Cl.  
*C12Q 1/68* ( 2018.01 )  
*G16B 20/00* ( 2019.01 )  
*G16B 30/00* ( 2019.01 )  
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 Ltd. see Tai Yuan Research Institute of  
 China Coal Technology & Engineering  
 Group**  
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 (54) An Advanced Refrigeration Cycle and  
 its enabling Isolated Dynamic Liquid  
 Expansion engine  
 (51) Int. Cl.  
*F25B 27/02* ( 2006.01 )  
*F01B 23/10* ( 2006.01 )  
*F01D 15/00* ( 2006.01 )  
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*F03G 7/10* ( 2006.01 )  
*B01D 3/00* ( 2006.01 )  
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 (74) Davies Collison Cave Pty Ltd
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 (21) 2022200185 (22) 13.01.2022  
 (54) STORAGE UNIT WITH POWER MON-  
 ITORING CAPABILITY  
 (51) Int. Cl.  
*H02J 7/02* ( 2016.01 )  
*H02J 9/02* ( 2006.01 )  
*H02J 13/00* ( 2006.01 )  
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 Jr., William J.  
 (74) Griffith Hack
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 LTD, Nanjing Power Supply Branch  
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 (54) AN SVM-BASED SECURE ACCESS  
 METHOD FOR WIRELESS TERMIN-  
 ALS  
 (51) Int. Cl.  
*G06N 20/10* ( 2019.01 )  
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*H04W 12/12* ( 2021.01 )  
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 (74) Madderns Pty Ltd
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- (71) Tai Yuan Research Institute of China  
 Coal Technology & Engineering Group;  
 Shanxi Tiandi Coal Mining Machinery  
 Co., Ltd.  
 (11) AU-A-2021416459  
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 (54) Anchor drilling rig  
 (51) Int. Cl.  
*E21B 7/00* ( 2006.01 )  
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 Yunbo; WANG, Fuqiang; MENG,  
 Wenjie; ZHANG, Weiguo; CHEN,  
 Mingjian; GONG, Xufeng; WANG, Wei;  
 YAN, Jinbao; SHI, Xiaoguang; AN, Lei;  
 ZHENG, Ji; CHE, Liming  
 (74) Madderns Pty Ltd
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 (21) 2022200280 (22) 17.01.2022  
 (54) Modular downhole packer  
 (51) Int. Cl.  
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*E21B 23/06* ( 2006.01 )  
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 (54) Characterizing soft tissue stress for ameliorating injury in performing a process  
 (51) Int. Cl.  
**A61B 5/11** ( 2006.01 )  
**A61B 8/13** ( 2006.01 )  
**G06T 7/00** ( 2017.01 )  
**G16H 50/30** ( 2018.01 )  
**G16H 50/50** ( 2018.01 )  
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 (74) FB Rice Pty Ltd

**The Chinese University of Hong Kong see Grail, Inc.**  
 (21) 2022205234

(71) The United States Government as represented by The Department of Veterans Affairs; DURECT CORPORATION; VIRGINIA COMMONWEALTH UNIVERSITY  
 (11) AU-A-2022205208  
 (21) 2022205208 (22) 13.07.2022  
 (54) Use of oxygenated cholesterol sulfates (OCS) to treat inflammatory skin disease and skin lesions  
 (51) Int. Cl.  
**A01N 1/02** ( 2006.01 )  
**A61K 31/575** ( 2006.01 )  
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(71) The University of Sydney  
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 (54) Anti-cancer compounds  
 (51) Int. Cl.  
**C07D 213/75** ( 2006.01 )  
**A61K 31/341** ( 2006.01 )  
**A61K 31/36** ( 2006.01 )  
**A61K 31/4406** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07D 213/82** ( 2006.01 )  
**C07D 241/24** ( 2006.01 )  
**C07D 307/66** ( 2006.01 )  
**C07D 317/66** ( 2006.01 )

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 (62) 2019215799  
 (72) Kassiou, Michael; Jorgensen, William; Munoz, Lenka  
 (74) FPA Patent Attorneys Pty Ltd

**Toshiba Energy Systems & Solutions Corporation see Kabushiki Kaisha Toshiba**  
 (21) 2022200057

(71) Turning Point Propellers, Inc.  
 (11) AU-A-2022200261  
 (21) 2022200261 (22) 17.01.2022  
 (54) Propeller assembly with noise reducing hub arrangement  
 (51) Int. Cl.  
**B63H 1/20** ( 2006.01 )  
 (31) 17/154,492 (32) 21.01.21 (33) US  
 (43) 04.08.2022  
 (72) Chen, Liheng; Stephanuik, Phil  
 (74) Cotters Patent & Trade Mark Attorneys

(71) TuSimple, Inc.  
 (11) AU-A-2022200113  
 (21) 2022200113 (22) 10.01.2022  
 (54) Proactive lane change for autonomous vehicles  
 (51) Int. Cl.  
**G08G 1/16** ( 2006.01 )  
**B60W 30/10** ( 2006.01 )  
**B60W 60/00** ( 2020.01 )  
**G05D 1/02** ( 2020.01 )  
 (31) 17/150,360 (32) 15.01.21 (33) US  
 (43) 04.08.2022  
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 (74) FB Rice Pty Ltd

(71) TuSimple, Inc.  
 (11) AU-A-2022200114  
 (21) 2022200114 (22) 10.01.2022  
 (54) Responder oversight system for an autonomous vehicle  
 (51) Int. Cl.  
**B60W 60/00** ( 2020.01 )  
**B60W 50/08** ( 2020.01 )  
**G05D 1/02** ( 2020.01 )  
**H04W 4/44** ( 2018.01 )  
 (31) 17/150,581 (32) 15.01.21 (33) US  
 (43) 04.08.2022  
 (72) Tam, Joyce  
 (74) FB Rice Pty Ltd

(71) United Arab Emirates University  
 (11) AU-A-2021225193  
 (21) 2021225193 (22) 01.09.2021  
 (54) LOW ENERGY DESALINATION SYSTEM INCLUDING A VENTURI DEVICE  
 (51) Int. Cl.  
**C02F 1/06** ( 2006.01 )  
**B01D 3/06** ( 2006.01 )  
**C02F 1/04** ( 2006.01 )  
**C02F 103/08** ( 2006.01 )  
 (31) 17/151,183 (32) 17.01.21 (33) US

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 (72) Sherif, Mohsen; Alnaimat, Fadi; Mathew, Bobby  
 (74) James & Wells Intellectual Property

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 (54) PAINT APPLICATION SYSTEM  
 (51) Int. Cl.  
**B05C 17/035** ( 2006.01 )  
**B05C 1/08** ( 2006.01 )  
**B05C 17/03** ( 2006.01 )  
 (31) 2021900082 (32) 15.01.21 (33) AU  
 (43) 04.08.2022  
 (72) van Wijck, Kurt  
 (74) mdp Patent and Trade Mark Attorneys

(71) Veltek Associates, Inc.  
 (11) AU-A-2022205235  
 (21) 2022205235 (22) 14.07.2022  
 (54) Portable cleanroom printing cabinet  
 (51) Int. Cl.  
**B41J 29/377** ( 2006.01 )  
**B65H 31/00** ( 2006.01 )  
 (43) 04.08.2022  
 (62) 2020273378  
 (72) Vellutato Jr., Arthur L.  
 (74) FPA Patent Attorneys Pty Ltd

(71) Veratin Pty Ltd  
 (11) AU-A-2022203276  
 (21) 2022203276 (22) 16.05.2022  
 (54) FERTILISER AND/OR SOIL IMPROVER COMPOSITION, METHOD OF PREPARATION AND METHOD OF USE  
 (51) Int. Cl.  
**C05F 1/00** ( 2006.01 )  
 (43) 04.08.2022  
 (62) 2017317798  
 (72) BOULOS, Ramiz; SIMPSON, Peter  
 (74) WRAYS PTY LTD

**VIRGINIA COMMONWEALTH UNIVERSITY see The United States Government as represented by The Department of Veterans Affairs**  
 (21) 2022205208

(71) WastePlant Pty Ltd  
 (11) AU-A-2021200235  
 (21) 2021200235 (22) 15.01.2021  
 (54) INTEGRATED COMPOSTING AND EDIBLE PLANT GROWING FACILITY  
 (51) Int. Cl.  
**A01G 9/28** ( 2018.01 )  
**A01G 9/16** ( 2006.01 )  
**C05F 9/02** ( 2006.01 )  
**C05F 17/907** ( 2020.01 )  
 (43) 04.08.2022  
 (72) HAYIM DE VRIES, Andrew  
 (74) Wallington-Dummer

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- (71) Whistler Technologies Corp.  
 (11) AU-A-2022205205  
 (21) 2022205205 (22) 13.07.2022  
 (54) Terpene enrichment methods and systems  
 (51) Int. Cl.  
     *B01D 11/02* ( 2006.01 )  
     *A61K 31/00* ( 2006.01 )  
     *A61K 36/185* ( 2006.01 )  
 (43) 04.08.2022  
 (62) 2018360729  
 (72) LANTELA, Daniel Erik; KAMAL, Brishna Soraya; WONG, Kelvin Kin-Wing  
 (74) Dentons Patent Attorneys Australasia Limited
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- (71) Wilson, G.J.  
 (11) AU-A-2021212130  
 (21) 2021212130 (22) 06.08.2021  
 (54) A shower base  
 (51) Int. Cl.  
     *A47K 3/40* ( 2006.01 )  
     *E03C 1/02* ( 2006.01 )  
     *E03C 1/00* ( 2006.01 )  
 (31) 2021900133 (32) 21.01.21 (33) AU  
 (43) 04.08.2022  
 (72) Wilson, Greg  
 (74) BRM Patent Attorneys Pty Ltd
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- (71) WONDERLAND SWITZERLAND AG  
 (11) AU-A-2022200161  
 (21) 2022200161 (22) 12.01.2022  
 (54) Assembling and disassembling manipulating mechanism and sleeping basket having the same.  
 (51) Int. Cl.  
     *A47D 7/01* ( 2006.01 )  
     *A47C 19/12* ( 2006.01 )  
     *A47D 9/00* ( 2006.01 )  
     *A47D 13/02* ( 2006.01 )  
 (31) 202110065541.2 (32) 18.01.21 (33) CN  
 (43) 04.08.2022  
 (72) YANG, Tao  
 (74) Cotters Patent & Trade Mark Attorneys



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<b>2021200235</b>	WastePlant Pty Ltd	<b>2022205208</b>	The United States Government as represented by The Department of Veterans Affairs; DURECT CORPORATION; VIRGINIA COMMONWEALTH UNIVERSITY
<b>2021200239</b>	kurt, u.	<b>2022205209</b>	Immatics Biotechnologies GmbH
<b>2021200257</b>	Drop Truck Pty Ltd	<b>2022205210</b>	Phenogy AG
<b>2021200260</b>	Shelley, S.	<b>2022205211</b>	ConMed Corporation
<b>2021200298</b>	Meng, C.	<b>2022205212</b>	ARC Medical Design Limited
<b>2021200329</b>	Rowland, H.	<b>2022205213</b>	Berkeley Lights, Inc.
<b>2021200379</b>	GASBOT PTY LTD	<b>2022205216</b>	Schneider Electric (Australia) Pty Limited
<b>2021202256</b>	Guangxi University of Chinese Medicine	<b>2022205218</b>	Lunella Biotech, Inc.
<b>2021203718</b>	Slip IP Holdings Pty Ltd.	<b>2022205219</b>	Angel Group Co., Ltd.
<b>2021212130</b>	Wilson, G.J.	<b>2022205221</b>	RTI International
<b>2021225193</b>	United Arab Emirates University	<b>2022205222</b>	Chugai Saiyaku Kabushiki Kaisha
<b>2021232741</b>	State Grid Jiangsu Electric Power Co., LTD, Nanjing Power Supply Branch	<b>2022205225</b>	Ohio State Innovation Foundation; Cardinal Health 414, LLC
<b>2021277636</b>	Dart Industries Inc.	<b>2022205227</b>	Katholieke Universiteit Leuven
<b>2021277647</b>	CG & BH PTY LTD	<b>2022205229</b>	DEKA Products Limited Partnership
<b>2021286258</b>	Jolly, R.	<b>2022205230</b>	Inspire Medical Systems, Inc.
<b>2021290249</b>	Evolution Drill Rigs Pty Ltd	<b>2022205231</b>	P.V. Flood Control Corp.
<b>2021290296</b>	Industrial Workwear Pty Ltd	<b>2022205232</b>	Halliburton Energy Services, Inc.
<b>2021290414</b>	Electric Energy Express Corporation	<b>2022205234</b>	Grail, Inc.; The Chinese University of Hong Kong
<b>2021416459</b>	Tai Yuan Research Institute of China Coal Technology & Engineering Group; Shanxi Tiandi Coal Mining Machinery Co., Ltd.	<b>2022205235</b>	Veltex Associates, Inc.
<b>2022200045</b>	CATERPILLAR INC.	<b>2022205239</b>	Sequenom, Inc.
<b>2022200057</b>	Kabushiki Kaisha Toshiba; Toshiba Energy Systems & Solutions Corporation	<b>2022205244</b>	Becton Dickinson and Company Limited
<b>2022200071</b>	CATERPILLAR GLOBAL MINING LLC	<b>2022205247</b>	Meetin, R.
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<b>2022200129</b>	LAKE COUNTRY TOOL, LLC		
<b>2022200161</b>	WONDERLAND SWITZERLAND AG		
<b>2022200164</b>	Delta Electronics (Shanghai) Co.,Ltd.		
<b>2022200185</b>	Snap-on Incorporated		
<b>2022200208</b>	Beijing Tusen Zhitu Technology Co., Ltd.		
<b>2022200216</b>	CNH Industrial America LLC		
<b>2022200217</b>	CNH Industrial America LLC		
<b>2022200222</b>	van Wijck, K.		
<b>2022200230</b>	Aristocrat Technologies, Inc.		
<b>2022200232</b>	ACCENTURE GLOBAL SOLUTIONS LIMITED		
<b>2022200241</b>	Hao, G.		
<b>2022200261</b>	Turning Point Propellers, Inc.		
<b>2022200269</b>	LIN, H.; LEE, C.		
<b>2022200280</b>	TAM International, Inc.		
<b>2022200312</b>	FORTEX WALL SYSTEMS PTY LTD		
<b>2022200332</b>	2807302 Ontario Inc		
<b>2022200345</b>	The Boeing Company		
<b>2022200382</b>	Holland Products Pty Ltd		
<b>2022200413</b>	Bodd Technologies Pty Ltd		
<b>2022201749</b>	Noname Gate Ltd.		
<b>2022203276</b>	Veratin Pty Ltd		
<b>2022204344</b>	LINEAGE LOGISTICS, LLC		
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<b>2022204860</b>	MORSE MICRO PTY. LTD.		
<b>2022205148</b>	RHODIA OPERATIONS		
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<b>2022205188</b>	Brown, J.		
<b>2022205189</b>	Brown, J.		
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<b>2022205198</b>	APR APPLIED PHARMA RESEARCH S.A.		
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<b>2022205200</b>	Nexba IP Pty Ltd		
<b>2022205203</b>	Noopl, Inc		
<b>2022205204</b>	The University of Sydney		
<b>2022205205</b>	Whistler Technologies Corp.		
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<b>2022205207</b>	Avation Medical, Inc.		

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<b>A23B 9 /-</b> 2021286258	<b>A61K 36 /-</b> 2022205205	<b>A63D 15 /-</b> 2022200241	<b>B29K 75 /-</b> 2022200413	<b>C04B 28 /-</b> 2022200312	<b>D05B 75 /-</b> 2021290296
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<b>A47C 19 /-</b> 2022200161	<b>A61K 51 /-</b> 2022205225	<b>B01D 11 /-</b> 2022205205	<b>B60N 3 /-</b> 2022206710	<b>C07C 235 /-</b> 2022205218	<b>E04C 2 /-</b> 2022200312
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<b>A47K 3 /-</b> 2021212130	<b>A61P 19 /-</b> 2022205225	<b>B05C 17 /-</b> 2022200222	<b>B65D 19 /-</b> 2021290296	<b>C07D 471 /-</b> 2022205222	<b>E21B 7 /-</b> 2021416459
<b>A61B 1 /-</b> 2022205212	<b>A61P 25 /-</b> 2022205221	<b>B23P 15 /-</b> 2022200071	<b>B65D 71 /-</b> 2021290296	<b>C07D 519 /-</b> 2022205222	<b>F01B 23 /-</b> 2021200260
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<b><u>G03B 21 /-</u></b> 2022200230	<b><u>G16B 30 /-</u></b> 2022205239	<b><u>H04M 1 /-</u></b> 2022205199
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**Innovation Patents Open to Public Inspection**

**Name Index**

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

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(71) Axisa, A.  
 (11) AU-A-2017101928  
 (21) 2017101928 (22) 23.08.2017  
 (54) Chute System for Waste and Other Materials  
 (51) Int. Cl.  
     *E04F 17/12* ( 2006.01 )  
     *B65F 1/00* ( 2006.01 )  
     *B65F 1/14* ( 2006.01 )  
     *E05F 15/73* ( 2015.01 )  
 (31) 2016903356 (32) 24.08.16 (33) AU  
 (45) 04.08.2022  
 (72) Axisa, Anthony  
 (74) Spruson & Ferguson

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(45) 04.08.2022  
 (62) 2021107067  
 (72) LI, CHANGYANG; NING, ZHIYU; NING, ZHIYUAN  
 (74) CN TECHNOLOGY PTY. LTD.

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(71) Ergostone AB  
 (11) AU-A-2022100088  
 (21) 2022100088 (22) 06.07.2022  
 (54) A health promoting device  
 (51) Int. Cl.  
     *A61F 7/02* ( 2006.01 )  
 (45) 04.08.2022  
 (62) 2018434568  
 (72) STRÖM, Viktor  
 (74) WRAYS PTY LTD

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(71) Illinois Tool Works Inc.  
 (11) AU-A-2017101929  
 (21) 2017101929 (22) 24.08.2017  
 (54) A screw fastener  
 (51) Int. Cl.  
     *F16B 35/06* ( 2006.01 )  
     *F16B 35/04* ( 2006.01 )  
     *F16B 25/00* ( 2006.01 )  
     *F16B 25/10* ( 2006.01 )  
 (31) 2016903467 (32) 31.08.16 (33) AU  
 (45) 04.08.2022  
 (72) Camilleri, Mark Anthony; Marshall, Bryan Hugh  
 (74) Davies Collison Cave Pty Ltd

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(71) Rudder Technology Pty Ltd  
 (11) AU-A-2022100092  
 (21) 2022100092 (22) 12.07.2022  
 (54) Multiple radar sensor-based non-contact heartbeat rate detection  
 (51) Int. Cl.  
     *G01S 13/87* ( 2006.01 )  
     *A61B 5/00* ( 2006.01 )  
     *A61B 5/024* ( 2006.01 )  
     *A61B 5/05* ( 2021.01 )  
     *G01S 7/00* ( 2006.01 )  
     *G01S 7/292* ( 2006.01 )  
     *G01S 7/35* ( 2006.01 )  
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PCT applications which have entered the National Phase

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

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<p>(71) Abiomed Europe GmbH (11) AU-A-2021216095 (21) 2021216095 (22) 02.02.2021 (54) Blood pump placement and intravascular blood pump (51) Int. Cl. <i>A61M 60/865</i> ( 2021.01 ) <i>A61M 60/13</i> ( 2021.01 ) <i>A61M 60/221</i> ( 2021.01 ) <i>A61M 60/422</i> ( 2021.01 ) <i>A61M 60/81</i> ( 2021.01 ) <i>A61M 60/857</i> ( 2021.01 ) <i>A61M 60/861</i> ( 2021.01 ) <i>A61M 60/878</i> ( 2021.01 ) <i>A61M 60/88</i> ( 2021.01 )</p> <p>(87) WO2021/156257 (31) 20155972.1 (32) 06.02.20 (33) EP (43) 12.08.2021 (72) SIESS, Thorsten; KERKHOFFS, Wolfgang; RODRIGUES-BRIMMERS, Cristine; KEYSSELITZ, Ellen (74) Spruson &amp; Ferguson</p>	<p>(71) Advanced Potash Technologies, Ltd.; Wender, I. (11) AU-A-2021222409 (21) 2021222409 (22) 17.02.2021 (54) Multi-phase material-containing compositions and related methods of preparation and use (51) Int. Cl. <i>C05D 1/02</i> ( 2006.01 ) <i>C05D 1/04</i> ( 2006.01 ) <i>C05D 3/00</i> ( 2006.01 )</p> <p>(87) WO2021/165855 (31) 62/977,948 (32) 18.02.20 (33) US (43) 26.08.2021 (72) WENDER, Ingo; CHEN, Dennis; LE BLOND, Jennifer; DIEP, Vannara; RODRIGUES, Marcos; SATO, Juliana; DE OLIVEIRA, Marcelo (74) RnB IP Pty Ltd</p>	<p>(71) Almendra Pte. Ltd (11) AU-A-2020358450 (21) 2020358450 (22) 30.09.2020 (54) Methods and compositions for improved taste quality (51) Int. Cl. <i>A23L 2/60</i> ( 2006.01 ) <i>A23L 2/56</i> ( 2006.01 ) <i>A23L 27/00</i> ( 2016.01 ) <i>A23L 27/22</i> ( 2016.01 ) <i>A23L 27/30</i> ( 2016.01 )</p> <p>(87) WO2021/064616 (31) 62/908,543 (32) 30.09.19 (33) US 62/916,165 16.10.19 US (43) 08.04.2021 (72) DUBOIS, Grant E. (74) FPA Patent Attorneys Pty Ltd</p>
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 (74) Griffith Hack
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 (74) Allens Patent & Trade Mark Attorneys
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 (51) Int. Cl.  
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**H05B 1/02** ( 2006.01 )  
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(74) KINGS PATENT & TRADE MARKS ATTORNEYS PTY LTD
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(51) Int. Cl.  
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(54) Actuator mechanisms for end effectors  
(51) Int. Cl.  
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**H01M 10/613** ( 2014.01 )  
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**H02H 7/18** ( 2006.01 )
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**C07C 273/04** ( 2006.01 )  
**B01D 61/02** ( 2006.01 )  
**C02F 1/44** ( 2006.01 )  
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**B01D 53/00** ( 2006.01 )
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(74) Acumen Intellectual Property
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(72) PREST, Paul; JONES, Benjamin  
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- (74) RnB IP Pty Ltd
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*G01V 11/00* ( 2006.01 )  
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<b>C08G 18/02</b> ( 2006.01 )			20153251.2	22.01.20 EP
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<b>C08G 18/28</b> ( 2006.01 )			(72) OVERBEEK, Gerardus Cornelis;	
<b>C08G 18/30</b> ( 2006.01 )			STALS, Patrick Johannes Maria; VAN	
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(72) OVERBEEK, Gerardus Cornelis;			20153239.7	22.01.20 EP
STALS, Patrick, Johannes Maria; VAN			20153242.1	22.01.20 EP
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A61K 47/10 ( 2017.01 )  
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**(21)** 2020439415 **(22)** 03.04.2020  
**(54)** Stable anhydrous laundry detergent concentrate and method of making same  
**(51)** Int. Cl.  
**C11D 17/00** ( 2006.01 )  
**C11D 3/00** ( 2006.01 )  
**C11D 3/10** ( 2006.01 )  
**C11D 3/20** ( 2006.01 )  
**C11D 3/386** ( 2006.01 )  
**C11D 11/00** ( 2006.01 )  
**C11D 17/04** ( 2006.01 )  
**C11D 17/06** ( 2006.01 )  
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**(72)** NAQVI, Syed Humza  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** Opla Energy Ltd.  
**(11)** AU-A-2021208345  
**(21)** 2021208345 **(22)** 15.01.2021  
**(54)** Pressure management device for drilling system  
**(51)** Int. Cl.  
**E21B 21/08** ( 2006.01 )  
**E21B 33/06** ( 2006.01 )  
**E21B 34/02** ( 2006.01 )  
**(87)** WO2021/142547  
**(31)** 62/962,120 **(32)** 16.01.20 **(33)** US  
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**(21)** 2019480153 **(22)** 24.12.2019  
**(54)** Centering device for objects to be conveyed, and packaging device for packaging materials equipped with same  
**(51)** Int. Cl.  
**B65G 47/24** ( 2006.01 )  
**(87)** WO2021/130853  
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**(72)** OYAMA, Akio; SHIBAO, Kenichi  
**(74)** Spruson & Ferguson
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**(54)** Packaging device and packaging method for packaging material  
**(51)** Int. Cl.  
**B65C 9/06** ( 2006.01 )  
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**(11)** AU-A-2021215441  
**(21)** 2021215441 **(22)** 02.02.2021  
**(54)** Wheelchair wheel  
**(51)** Int. Cl.  
**A61G 5/10** ( 2006.01 )  
**B60B 25/02** ( 2006.01 )  
**A61G 7/10** ( 2006.01 )  
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**(31)** 10 2020 103 171.8 **(32)** 07.02.20 **(33)** DE  
**(43)** 12.08.2021  
**(72)** EICH, Michael; PFLAUMBAUM, Wolf-Dietrich  
**(74)** Spruson & Ferguson
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**(11)** AU-A-2021208295  
**(21)** 2021208295 **(22)** 07.01.2021  
**(54)** Method for top sealing a cardboard tray lined with a plastic foil and cardboard tray therefor  
**(51)** Int. Cl.  
**B65B 7/28** ( 2006.01 )  
**B31B 50/00** ( 2017.01 )  
**B31B 50/64** ( 2017.01 )  
**B31B 50/74** ( 2017.01 )  
**B65D 5/00** ( 2006.01 )  
**B65D 5/20** ( 2006.01 )  
**B65D 5/56** ( 2006.01 )  
**B65D 77/20** ( 2006.01 )  
**B65B 31/02** ( 2006.01 )  
**B65B 43/26** ( 2006.01 )  
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**B31B 110/10** ( 2017.01 )  
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**(43)** 22.07.2021  
**(72)** ZWAGA, Ronald  
**(74)** Spruson & Ferguson
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**(11)** AU-A-2021212189  
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**(51)** Int. Cl.  
**C12N 15/10** ( 2006.01 )  
**C12N 9/78** ( 2006.01 )  
**C12N 15/11** ( 2006.01 )  
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**(31)** 62/967,737 **(32)** 30.01.20 **(33)** US  
**(43)** 05.08.2021  
**(72)** KIM, Yongjoo; HUMMEL, Aaron  
**(74)** RnB IP
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**(11)** AU-A-2021218962  
**(21)** 2021218962 **(22)** 11.02.2021  
**(54)** Recombinant nucleic acid construct and use thereof  
**(51)** Int. Cl.
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**(31)** 20000064.4 **(32)** 11.02.20 **(33)** EP  
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**(43)** 19.08.2021  
**(72)** KAUFMANN, Jörg; KEIL, Oliver; TONDERA, Daniel  
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**(11)** AU-A-2021218964  
**(21)** 2021218964 **(22)** 11.02.2021  
**(54)** Lipid composition and use thereof for delivery of a therapeutically active agent to endothelium  
**(51)** Int. Cl.  
**A61K 9/127** ( 2006.01 )  
**A61K 31/7105** ( 2006.01 )  
**A61K 47/12** ( 2006.01 )  
**A61K 47/69** ( 2017.01 )  
**C12N 15/88** ( 2006.01 )  
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**(43)** 19.08.2021  
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**(74)** RnB IP
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**(11)** AU-A-2021205633  
**(21)** 2021205633 **(22)** 08.01.2021  
**(54)** A tissue sampling kit  
**(51)** Int. Cl.  
**A61B 10/02** ( 2006.01 )  
**B01L 3/00** ( 2006.01 )  
**C12M 1/30** ( 2006.01 )  
**G01N 1/02** ( 2006.01 )  
**(87)** WO2021/140191  
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**(43)** 15.07.2021  
**(72)** HIGGINS, Mari Janika; THOMAS, David  
**(74)** Ellis Terry
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**(11)** AU-A-2021205899  
**(21)** 2021205899 **(22)** 07.01.2021  
**(54)** Lighted electrocautery blade assembly for handheld electro-surgical instrument  
**(51)** Int. Cl.  
**A61B 18/14** ( 2006.01 )  
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**A61B 18/12** ( 2006.01 )  
**A61B 90/30** ( 2016.01 )  
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**(72)** KLEYMAN, Gennady; SILVER, Mikiya; PATHY, Vinod V.  
**(74)** Pizeys Patent and Trade Mark Attorneys Pty Ltd
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**C12N 15/10** ( 2006.01 )  
**C12Q 1/68** ( 2018.01 )  
**G01N 33/48** ( 2006.01 )  
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 (54) Open view, multi-modal, calibrated digital loupe with depth sensing  
 (51) Int. Cl.  
**G01C 3/14** ( 2006.01 )  
**G06T 7/50** ( 2017.01 )  
**H04N 13/204** ( 2018.01 )  
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 (72) HEGYI, Alex  
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 (11) AU-A-2020406865  
 (21) 2020406865 (22) 18.12.2020  
 (54) A method for pyrolysing plastic material and a system therefor  
 (51) Int. Cl.  
**C10B 53/07** ( 2006.01 )  
**C10B 47/06** ( 2006.01 )  
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 (74) Davies Collison Cave Pty Ltd
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- (71) POSCO; Research Institute of Industrial Science & Technology  
 (11) AU-A-2020405885  
 (21) 2020405885 (22) 07.12.2020  
 (54) Method for controlling particle sizes of lithium peroxide and method for preparing particle size-controlled lithium oxide  
 (51) Int. Cl.  
**C01B 15/043** ( 2006.01 )  
**C01D 15/02** ( 2006.01 )  
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**B01D 53/14** ( 2006.01 )  
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 (74) FPA Patent Attorneys Pty Ltd
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 (21) 2021213150 (22) 27.01.2021  
 (54) Lung biomarkers and methods of use thereof  
 (51) Int. Cl.  
**A61K 38/00** ( 2006.01 )  
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**A61P 35/00** ( 2006.01 )  
**A61P 43/00** ( 2006.01 )  
**C12N 15/09** ( 2006.01 )  
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**A61P 25/00** ( 2006.01 )  
**A61P 27/02** ( 2006.01 )  
**C07D 413/12** ( 2006.01 )  
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**C07D 471/08** ( 2006.01 )  
**C07D 487/04** ( 2006.01 )  
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 (54) Ligand-mediated delivery of therapeutic proteins and the uses thereof  
 (51) Int. Cl.  
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**A61K 35/76** ( 2015.01 )  
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 (51) Int. Cl.  
**F02B 19/02** ( 2006.01 )  
**F02B 19/12** ( 2006.01 )  
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**F02P 13/00** ( 2006.01 )  
**F02P 15/00** ( 2006.01 )  
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**E03C 1/322** ( 2006.01 )  
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 (72) RATHAMMER, Andre  
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- (71) Reflexion Medical, Inc.  
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 (51) Int. Cl.  
**A61N 5/10** ( 2006.01 )  
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 (51) Int. Cl.  
**C07K 1/36** ( 2006.01 )  
**C07K 16/24** ( 2006.01 )  
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 (74) PHILLIPS ORMONDE FITZPATRICK

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 (54) Protein-antiviral compound conjugates  
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**A61K 47/68** ( 2017.01 )  
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 (72) BAUM, Alina; NITTOLI, Thomas  
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(71) Remastered Sleep LLC  
 (11) AU-A-2021205349  
 (21) 2021205349 (22) 08.01.2021  
 (54) Oropharyngeal exercise devices, systems, and methods  
 (51) Int. Cl.  
**A63B 21/08** ( 2006.01 )  
**A61F 5/56** ( 2006.01 )  
**A63B 21/00** ( 2006.01 )  
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**C08J 5/22** ( 2006.01 )  
**B01J 41/13** ( 2017.01 )  
**C08J 9/42** ( 2006.01 )  
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**A01G 9/24** ( 2006.01 )

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**A01H 5/12** ( 2018.01 )  
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**C07K 14/415** ( 2006.01 )  
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 (54) Optical sensing module  
 (51) Int. Cl.  
**G02F 1/025** ( 2006.01 )  
**G02B 6/00** ( 2006.01 )  
**G02B 27/00** ( 2006.01 )  
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**G02F 1/225** ( 2006.01 )  
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 (31) 63/078,828 (32) 15.09.20 (33) US  
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 (74) FB Rice Pty Ltd

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 (54) Packaging  
 (51) Int. Cl.  
**B65D 43/02** ( 2006.01 )  
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 (54) Porous starch as bulking agent in chewing-gums  
 (51) Int. Cl.  
**A23G 4/10** ( 2006.01 )  
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 (51) Int. Cl.  
**H02H 9/00** ( 2006.01 )  
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 (21) 2021208455 (22) 11.01.2021  
 (54) Dispenser with a visual indication system  
 (51) Int. Cl.  
**A61L 9/02** ( 2006.01 )  
**A61L 9/03** ( 2006.01 )  
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 (74) GLMR

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 (54) Station  
 (51) Int. Cl.  
**A47L 9/28** ( 2006.01 )  
**A47L 9/10** ( 2006.01 )  
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 (11) AU-A-2021207810  
 (21) 2021207810 (22) 12.01.2021  
 (54) Modification of blood type antigens  
 (51) Int. Cl.  
*C12N 15/113* ( 2010.01 )  
*C12N 5/078* ( 2010.01 )  
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 (72) DOWDLE, William; MAY, Andrew;  
 SCHREPFER, Sonja  
 (74) Pizeys Patent and Trade Mark Attor-  
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 G.m.b.H.  
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 (54) A cutting assembly for a mining ma-  
 chine  
 (51) Int. Cl.  
*E21C 27/22* ( 2006.01 )  
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 (51) Int. Cl.  
*H02G 11/02* ( 2006.01 )  
*B60L 5/00* ( 2006.01 )  
*B60L 9/00* ( 2019.01 )  
*B65H 57/00* ( 2006.01 )  
*B65H 59/38* ( 2006.01 )  
*B65H 75/42* ( 2006.01 )  
*B65H 75/44* ( 2006.01 )  
*B66D 1/36* ( 2006.01 )  
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*B66D 1/48* ( 2006.01 )  
*F16L 3/01* ( 2006.01 )  
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 seismic survey in shallow water areas  
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 forecasting system and method based  
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*G01N 1/22* ( 2006.01 )  
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 associated systems and methods  
 (51) Int. Cl.  
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*B41M 3/14* ( 2006.01 )  
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 (51) Int. Cl.  
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**(51)** Int. Cl.  
**C09D 11/16** ( 2014.01 )  
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**(51)** Int. Cl.  
**E01B 1/00** ( 2006.01 )  
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**(51)** Int. Cl.  
**G06F 16/958** ( 2019.01 )  
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**(72)** HERBLOT, Sebastien; SCHIWEK, Frederick  
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**(21)** 2020408169 (22) 17.12.2020  
**(54)** Device for transferring heat and/or materials  
**(51)** Int. Cl.  
**F28D 9/04** ( 2006.01 )  
**B01D 61/36** ( 2006.01 )  
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**(54)** Graphics display apparatus  
**(51)** Int. Cl.  
**A47G 1/06** ( 2006.01 )  
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**(54)** Iron-containing beverage  
**(51)** Int. Cl.  
**A23L 33/16** ( 2016.01 )  
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**(51)** Int. Cl.  
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**B32B 5/26** ( 2006.01 )  
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**(51)** Int. Cl.  
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**(21)** 2021209064 (22) 13.01.2021  
**(54)** System and methods for forming and maintaining high energy and temperature FRC plasma via spheromak merging and neutral beam injection  
**(51)** Int. Cl.  
**H05H 1/14** ( 2006.01 )  
**G21B 1/05** ( 2006.01 )  
**H05H 1/16** ( 2006.01 )  
**H05H 1/22** ( 2006.01 )  
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**(21)** 2020411439 (22) 25.12.2020  
**(54)** Post-operation adjuvant therapy agent  
**(51)** Int. Cl.  
**A61K 39/00** ( 2006.01 )  
**A61K 38/16** ( 2006.01 )  
**A61K 47/65** ( 2017.01 )  
**A61P 35/00** ( 2006.01 )  
**A61P 35/04** ( 2006.01 )  
**C07K 7/06** ( 2006.01 )  
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**(11)** AU-A-2021416459  
**(21)** 2021416459 (22) 27.04.2021  
**(54)** Anchor drilling rig  
**(51)** Int. Cl.  
**E21B 7/00** ( 2006.01 )  
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**(54)** Compositions and methods of cryopreserving cells  
**(51)** Int. Cl.  
**A01N 1/02** ( 2006.01 )  
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**(51)** Int. Cl.  
**G01N 21/64** ( 2006.01 )  
**A01K 43/00** ( 2006.01 )  
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**G01J 3/44** ( 2006.01 )  
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**(51)** Int. Cl.  
**G01T 1/20** ( 2006.01 )  
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**C08F 220/56** ( 2006.01 )  
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**(11)** AU-A-2021207258  
**(21)** 2021207258 **(22)** 14.01.2021  
**(54)** Expression of ovalbumin and its natural variants  
**(51)** Int. Cl.  
**C07K 14/77** ( 2006.01 )  
**C12N 15/00** ( 2006.01 )  
**C12P 21/00** ( 2006.01 )  
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**(54)** Multimodal system for breast imaging  
**(51)** Int. Cl.  
**A61B 6/00** ( 2006.01 )  
**A61B 6/03** ( 2006.01 )  
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**A61B 10/00** ( 2006.01 )  
**A61B 10/02** ( 2006.01 )  
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**(72)** BOONE, John M.; BURKETT, George W.  
**(74)** Adams Pluck
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**(54)** Compounds and methods for the diagnosis, imaging and treatment of neurodegenerative diseases and disorders  
**(51)** Int. Cl.  
**C07D 257/08** ( 2006.01 )  
**A61B 5/00** ( 2006.01 )  
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**A61K 49/16** ( 2006.01 )  
**A61K 51/10** ( 2006.01 )  
**A61P 25/28** ( 2006.01 )  
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**(74)** Davies Collison Cave Pty Ltd
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- (71)** The University of Tokyo; Gellycle Co., Ltd.  
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**(21)** 2021212885 **(22)** 25.01.2021  
**(54)** Gel material for regenerative medicine  
**(51)** Int. Cl.  
**A61L 27/18** ( 2006.01 )  
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**(74)** WRAYS PTY LTD
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- (71)** Topcon Corporation  
**(11)** AU-A-2021208074  
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**(54)** Information processing device, information processing device control method, and program  
**(51)** Int. Cl.  
**G01C 15/00** ( 2006.01 )  
**G01C 15/02** ( 2006.01 )  
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**(31)** 2020-005076 **(32)** 16.01.20 **(33)** JP  
**(43)** 22.07.2021  
**(72)** MIYAJIMA Motohiro  
**(74)** Griffith Hack
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- (71)** Tractable Ltd  
**(11)** AU-A-2021204872  
**(21)** 2021204872 **(22)** 04.01.2021  
**(54)** Method of determining damage to parts of a vehicle  
**(51)** Int. Cl.  
**G06Q 10/00** ( 2012.01 )  
**G06K 9/62** ( 2006.01 )  
**G06Q 40/08** ( 2012.01 )  
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**(74)** Spruson & Ferguson
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- (71)** Tractable Ltd  
**(11)** AU-A-2021204966  
**(21)** 2021204966 **(22)** 04.01.2021  
**(54)** Method of determining painting requirements for a damage vehicle  
**(51)** Int. Cl.

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(72) RANCA, Razvan; HORSTMANN, Marcel; MATSSON, Bjorn; OELLRICH, Janto; TEH, Yih Kai; CHATFIELD, Ken; KIRSCHNER, Franziska; AKTAS, Rusen; DECAMP, Laurent; AYEL, Mathieu; PEYRE, Julia; TRILL, Shaun; VAN OOSTEROM, Crystal  
(74) Spruson & Ferguson
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- (71) Trelleborg Ridderkerk B.V.  
(11) AU-A-2021208294  
(21) 2021208294 (22) 07.01.2021  
(54) Low-pressure tubular system comprising expansion joints  
(51) Int. Cl.  
**B61B 13/10** ( 2006.01 )  
**F16L 25/12** ( 2006.01 )  
**F16L 27/107** ( 2006.01 )  
**F16L 27/108** ( 2006.01 )  
**F16L 51/00** ( 2006.01 )  
**F16L 51/02** ( 2006.01 )
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(31) 2024669 (32) 14.01.20 (33) NL  
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(72) VAN WAARDHUIZEN, Dirk Jan Dingenman; WOLFERT, Simon  
(74) DAVIS IP PTY LTD
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<b>2019480153</b>	Osaka Sealing Printing Co., Ltd.	<b>2020413063</b>	Suntory Holdings Limited
<b>2019480636</b>	Osaka Sealing Printing Co., Ltd.	<b>2020414152</b>	Innovent Biologics (Suzhou) Co., Ltd.
<b>2020358450</b>	Almendra Pte. Ltd	<b>2020414396</b>	crop.zone GmbH
<b>2020395234</b>	JPMorgan Chase Bank, N.A.	<b>2020414895</b>	Shanghai Desano Bio-Pharmaceutical Co., Ltd.; Shanghai Desano Chemical Pharmaceutical Co., Ltd.; Shanghai Desano Pharmaceuticals Co., Ltd.
<b>2020396746</b>	China Mobile Communication Co., Ltd Research Institute; China Mobile Communications Group Co., Ltd.	<b>2020414943</b>	Wigen Biomedicine Technology (Shanghai) Co., Ltd.
<b>2020399159</b>	Rathammer, A.; Fechter, H.	<b>2020415332</b>	crop.zone GmbH
<b>2020399232</b>	Janssen Pharmaceutica NV	<b>2020415440</b>	Actuate Therapeutics, Inc.
<b>2020399259</b>	Kalvista Pharmaceuticals Limited	<b>2020416683</b>	Bambino Prezioso Switzerland AG
<b>2020399657</b>	Badge Inc.	<b>2020417760</b>	LifeEdit Therapeutics, Inc.
<b>2020399991</b>	VML Labs Ltd	<b>2020418132</b>	BMC Medical Co., Ltd.
<b>2020400081</b>	Rockley Photonics Limited	<b>2020418147</b>	Essence Security International (E.S.I.) Ltd.
<b>2020400086</b>	Janssen Pharmaceuticals, Inc.	<b>2020418205</b>	Gan & Lee Pharmaceuticals Co., Ltd.
<b>2020400415</b>	Steer, G.	<b>2020418460</b>	Lavi, G.
<b>2020400632</b>	The University of Melbourne	<b>2020418462</b>	Lumus Ltd.
<b>2020400954</b>	Aristocrat Technologies, Inc.	<b>2020418567</b>	Brilliant Ideas Ltd
<b>2020401393</b>	Weinstock, R.	<b>2020418917</b>	ARRIS Enterprises LLC
<b>2020401575</b>	École de Technologie Supérieure	<b>2020419451</b>	Valera Ruiz de la Sierra, F.J.
<b>2020401755</b>	Cilag GmbH International	<b>2020420057</b>	Huawei Technologies Co., Ltd.
<b>2020402051</b>	Agnetix, Inc.	<b>2020420084</b>	Synergia Medical
<b>2020402278</b>	LG Electronics Inc.	<b>2020420350</b>	Samsung Electronics Co., Ltd.
<b>2020402866</b>	NVIDIA Corporation	<b>2020420912</b>	Wonderland Switzerland AG
<b>2020403018</b>	NOVOLOOP, INC.	<b>2020421012</b>	Adaptix Ltd.
<b>2020403131</b>	Oberlin Filter Co.	<b>2020421493</b>	The Curators of the University of Missouri
<b>2020403243</b>	Janssen Biotech, Inc.	<b>2020421719</b>	Mitsubishi Electric Corporation
<b>2020403266</b>	MeiraGTx UK II Limited	<b>2020422276</b>	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
<b>2020403602</b>	International Frontier Technology Laboratory, Inc.	<b>2020422429</b>	T-Worx Holdings, LLC
<b>2020403641</b>	752 Life Ltd	<b>2020422435</b>	NO-DES, Inc.
<b>2020403851</b>	Waldemar Link GmbH & Co. KG	<b>2020423121</b>	Caterpillar Inc.
<b>2020403852</b>	Waldemar Link GmbH & Co. KG	<b>2020424201</b>	Emerson Climate Technologies (Suzhou) Co., Ltd.
<b>2020404009</b>	Waldemar Link GmbH & Co. KG	<b>2020424266</b>	Sandvik Mining and Construction G.m.b.H.
<b>2020404104</b>	Suez International	<b>2020424401</b>	HEM Pharma Inc.
<b>2020404305</b>	Janssen Pharmaceutica NV	<b>2020424488</b>	Bren-Tronics, Inc.
<b>2020404930</b>	Baruch S. Blumberg Institute	<b>2020424503</b>	Hess Corporation
<b>2020405033</b>	Elanco Tiergesundheits AG	<b>2020425149</b>	Shandong University
<b>2020405124</b>	Veri Nano Inc.	<b>2020425444</b>	Shandong University
<b>2020405211</b>	Glaukos Corporation	<b>2020425816</b>	Purdue Research Foundation
<b>2020405885</b>	POSCO; Research Institute of Industrial Science & Technology	<b>2020427097</b>	Vitro Flat Glass LLC
<b>2020405994</b>	SICPA HOLDING SA	<b>2020427546</b>	ITT Manufacturing Enterprises LLC
<b>2020406155</b>	UCB Biopharma SRL	<b>2020428517</b>	Kuo, T.
<b>2020406628</b>	Waldemar Link GmbH & Co. KG	<b>2020429186</b>	Citrix Systems, Inc.
<b>2020406745</b>	Koninklijke Douwe Egberts B.V.	<b>2020435347</b>	Verdure Imaging
<b>2020406865</b>	Plastic Energy Limited	<b>2020436409</b>	Yoshino Gypsum Co., Ltd.
<b>2020407062</b>	TrialMatch.me, Inc. d/b/a Trialjectory	<b>2020436811</b>	Wuhan Vast Conduct Science Foundation Co., Ltd.
<b>2020407266</b>	Neoperl GmbH	<b>2020436820</b>	Wuhan Vast Conduct Science Foundation Co., Ltd.
<b>2020407296</b>	Richel Group	<b>2020436828</b>	Suzhou Tuntex Fiber & Carpet Co., Ltd.
<b>2020407367</b>	Citrix Systems, Inc.	<b>2020437047</b>	NEC Corporation
<b>2020407437</b>	JPV01 Ltd	<b>2020439415</b>	One Home Brands, Inc.
<b>2020407501</b>	Mie University; The Board of Trustees of the University of Illinois	<b>2020442694</b>	Meishan CRRC Fastening System Co., Ltd.
<b>2020407644</b>	Vivaldi Biosciences Inc.	<b>2020480789</b>	Guangzhou Bio-Gene Technology Co., Ltd
<b>2020407738</b>	Wilus Institute of Standards and Technology Inc.; Humax Co., Ltd.	<b>2021204872</b>	Tractable Ltd
<b>2020407763</b>	Waldemar Link GmbH & Co. KG	<b>2021204966</b>	Tractable Ltd
<b>2020407882</b>	Amylyx Pharmaceuticals Inc.	<b>2021205226</b>	Schlumberger Technology B.V.
<b>2020407893</b>	Neves, J.M.P.C.	<b>2021205263</b>	Aspen Aerogels Inc.
<b>2020408038</b>	Glaukos Corporation	<b>2021205327</b>	Water Tech, LLC
<b>2020408169</b>	Spiraltec GmbH	<b>2021205331</b>	Baxter International Inc.; Baxter Healthcare SA
<b>2020408674</b>	Amylyx Pharmaceuticals Inc.	<b>2021205349</b>	Remastered Sleep LLC
<b>2020408959</b>	Korea Research Institute of Chemical Technology	<b>2021205427</b>	Enphase Energy, Inc.
<b>2020410099</b>	Cumulo Group Pty Ltd	<b>2021205444</b>	Lantern Pharma Inc.
<b>2020410249</b>	Perfetti Van Melle S.p.A.	<b>2021205493</b>	Nuxcel2, L.L.C.
<b>2020410261</b>	Waldemar Link GmbH & Co. KG	<b>2021205506</b>	BriOri BioTech, LLC
<b>2020410741</b>	i-SENS, Inc.; Sogang University Research Business Development Foundation	<b>2021205564</b>	Huawei Technologies Co., Ltd.
		<b>2021205609</b>	Maersk A/S
		<b>2021205633</b>	Parlanca Limited



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2021205637	Nantes Université; Centre National de la Recherche Scientifique; Institut National de la Sante et de la Recherche Medicale (INSERM)	2021210984	Air Protein, Inc.
2021205647	Terapet SA	2021210987	Regeneron Pharmaceuticals, Inc.
2021205650	I4F Licensing NV	2021210992	Massachusetts Institute of Technology
2021205899	Pathy Medical, LLC	2021211185	UCL Business Ltd
2021206228	Westrock Packaging Systems, LLC	2021211411	Rosemount Inc.
2021206298	SkyCool Systems, Inc.	2021211414	Takeda Pharmaceutical Company Limited
2021206497	Envision Digital International Pte. Ltd.; Shanghai Envision Digital Co., Ltd.	2021211478	DJO, LLC
2021206510	Microvascular Therapeutics, LLC	2021211723	Alnylam Pharmaceuticals, Inc.
2021206519	Maersk A/S	2021211728	Rensselaer Polytechnic Institute
2021206560	I4F Licensing NV	2021211828	Chia Tai Tianqing Pharmaceutical Group Co., Ltd.
2021206564	I4F Licensing NV	2021212171	Keystone Tower Systems, Inc
2021206574	Prevor International	2021212189	Pairwise Plants Services, Inc.
2021206696	Ikena Oncology, Inc.	2021212197	Genentech, Inc.; BioNTech SE; F. Hoffmann-La Roche AG
2021206966	Mochida Pharmaceutical Co., Ltd.; National University Corporation Hokkaido University	2021212295	Nicoventures Trading Limited
2021207044	Creutz Inc.	2021212659	Reflexion Medical, Inc.
2021207074	Haier Smart Home Co., Ltd.; Qingdao Haier Refrigerator Co., Ltd; Haier US Appliance Solutions, Inc.	2021212688	Sonneville AG
2021207258	The Protein Brewery B.V.	2021212754	Kamari Pharma Ltd.
2021207295	Monash University	2021212885	The University of Tokyo; Gellycle Co., Ltd.
2021207299	Technische Hochschule Ostwestfalen-Lippe University of Applied Sciences and Arts	2021213150	PrognomiQ Inc
2021207308	Dxcover Limited	2021213153	Merck Sharp & Dohme LLC
2021207468	Homology Medicines, Inc.	2021213296	Kingspan Holdings (IRL) Limited
2021207504	Dicerna Pharmaceuticals, Inc.	2021213753	Verastem, Inc.
2021207599	Memorial Sloan Kettering Cancer Center	2021213789	Smith & Nephew, Inc.; Smith & Nephew Orthopaedics AG; Smith & Nephew Asia Pacific Pte Limited
2021207627	Visterra, Inc.	2021213812	ModernaTX, Inc.
2021207653	Janssen Biotech, Inc.; Protagonist Therapeutics, Inc.	2021214076	Protego Biopharma, Inc.
2021207704	The Regents of the University of California	2021214414	Hardrock Mining Solutions Pty Ltd
2021207707	New York University	2021214855	Chevron U.S.A. Inc.
2021207810	Sana Biotechnology, Inc.	2021215006	me energy GmbH
2021207843	Firefly Automatrix, Inc.	2021215007	Sandvik Mining and Construction Oy
2021208074	Topcon Corporation	2021215092	Geobru gg AG
2021208147	Dongguan Poweramp Technology Limited	2021215441	P + L Innovations GmbH
2021208238	Creutz Inc.	2021215929	Ocular Therapeutix, Inc.
2021208294	Trelleborg Ridderkerk B.V.	2021216040	New York Society for the Relief of the Ruptured and Crippled, Maintaining the Hospital for Special Surgery
2021208295	Packable B.V.	2021216095	Abiomed Europe GmbH
2021208345	Opla Energy Ltd.	2021216121	Universiteit Gent
2021208441	Gebr. Pfeiffer SE	2021216916	Boston Scientific Scimed, Inc.
2021208450	Chevron U.S.A. Inc.	2021217007	Boston Scientific Scimed, Inc.
2021208455	S. C. Johnson & Son, Inc.	2021217085	Minnetronix Neuro, Inc.
2021208515	F. Hoffmann-La Roche AG	2021217210	International Business Machines Corporation
2021208632	Regeneron Pharmaceuticals, Inc.	2021217373	Washington University; NeolmmuneTech, Inc.
2021208634	Southend Technologies, Inc.	2021217727	Casale SA
2021208638	BioLife Solutions, Inc.	2021218731	Guardant Health, Inc.
2021208834	Komatsu Ltd.; National University Corporation Yokohama National University	2021218962	Pantherna Therapeutics GmbH
2021208960	Roquette Freres	2021218964	Pantherna Therapeutics GmbH
2021208995	Huhtamaki Molded Fiber Technology B.V.	2021219314	Rabhi, V.
2021208996	Mega-Inliner International Group BV	2021219720	HCW Biologics, Inc.
2021209030	Closure Systems International Inc.	2021219952	Roquette Freres
2021209037	Chevron U.S.A. Inc.	2021219957	F. Hoffmann-La Roche AG
2021209064	TAE Technologies, Inc.	2021220190	O&M Halyard, Inc.
2021209086	Janssen Biotech, Inc.; Protagonist Therapeutics, Inc.	2021220196	HCW Biologics, Inc.
2021209381	Covestro (Netherlands) B.V.	2021220625	F. Hoffmann-La Roche AG
2021209383	Covestro (Netherlands) B.V.	2021220870	HCW Biologics, Inc.
2021209401	Enterome S.A.	2021221120	Dana-Farber Cancer Institute, Inc.
2021209616	Netflix, Inc.	2021222297	Boehringer Ingelheim Vetmedica GmbH
2021209690	Ceraxis Health, Inc.	2021222409	Advanced Potash Technologies, Ltd.; Wender, I.
2021209698	Shifamed Holdings, LLC	2021223383	Nitrochemie Aschau GmbH; Rheinmetall Waffe Munition GmbH
2021209940	Juno Therapeutics, Inc.	2021223494	Dilafor AB
2021210069	Tsinghua University	2021224058	International Business Machines Corporation
2021210192	Jacob Holm & Sons AG	2021224271	Bioo Scientific Corporation
2021210595	Covestro (Netherlands) B.V.	2021226304	AmorePacific Corporation
2021210596	Covestro (Netherlands) B.V.	2021226481	Weatherford Technology Holdings, LLC
2021210598	Covestro (Netherlands) B.V.	2021227611	International Business Machines Corporation
2021210599	Covestro (Netherlands) B.V.	2021228642	ViaSat, Inc.
2021210883	Drum Workshop, Inc.	2021231532	FrieslandCampina Nederland B.V.
2021210962	Photonic Medical Inc.	2021233169	Rijk Zwaan Zaadteelt en Zaadhandel B.V.
		2021233727	CJ CheilJedang Corporation
		2021234173	International Business Machines Corporation
		2021235335	International Business Machines Corporation

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**2021235647** Cartiva, Inc.  
**2021238440** Casale SA  
**2021239220** Phase Scientific International, Ltd.  
**2021241800** FrieslandCampina Nederland B.V.  
**2021244275** Freudenberg Oil & Gas, LLC  
**2021245304** Societe Bic  
**2021254857** International Business Machines Corporation  
**2021255124** International Business Machines Corporation  
**2021256526** International Business Machines Corporation  
**2021257650** International Business Machines Corporation  
**2021259515** International Business Machines Corporation  
**2021274401** Lockheed Martin Corporation  
**2021394840** CJ CheilJedang Corporation  
**2021407719** Dongguan Saienchuangke Technology Co., Ltd  
**2021412801** Greeneden U.S. Holdings II, LLC  
**2021416459** Tai Yuan Research Institute of China Coal Technology & Engineering Group; Shanxi Tiandi Coal Mining Machinery Co., Ltd.  
**2022201749** Noname Gate Ltd.

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<b><u>A01G 7 /-</u></b>	<b><u>A23G 4 /-</u></b>	<b><u>A47J 37 /-</u></b>	<b><u>A61F 2 /-</u></b>	2020407437	<b><u>A61K 51 /-</u></b>
2020402051	2021219952	2020403131	2020403851	2020425816	2020400632
<b><u>A01G 9 /-</u></b>	<b><u>A23K 10 /-</u></b>	<b><u>A47L 9 /-</u></b>	2020403852	<b><u>A61K 36 /-</u></b>	<b><u>A61K 8 /-</u></b>
2020402051	2021233727	2020402278	2020404009	2021233727	2021226304
2020407296	<b><u>A23L 2 /-</u></b>	2020420350	2020406628	<b><u>A61K 38 /-</u></b>	2021233727
<b><u>A01H 1 /-</u></b>	2020358450	<b><u>A61B 1 /-</u></b>	2020407763	2020399259	<b><u>A61K 9 /-</u></b>
2021233169	2020413063	2021216916	2020410261	2020403266	2020399232
<b><u>A01H 5 /-</u></b>	<b><u>A23L 27 /-</u></b>	2021217007	2021216040	2020411439	2020399259
2021233169	2020358450	<b><u>A61B 10 /-</u></b>	<b><u>A61F 5 /-</u></b>	2020414152	2021206966
<b><u>A01H 6 /-</u></b>	<b><u>A23L 29 /-</u></b>	2021205633	2021211478	2020418205	2021213812
2021233169	2020358450	2021207704	<b><u>A61F 9 /-</u></b>	2021209086	2021215929
<b><u>A01K 43 /-</u></b>	<b><u>A23L 33 /-</u></b>	2021217085	2020401393	2021210069	2021218964
2021207299	2020413063	<b><u>A61B 17 /-</u></b>	2020408038	2021213150	<b><u>A61L 27 /-</u></b>
<b><u>A01K 45 /-</u></b>	2021231532	2020404009	2021209698	2021217373	<b><u>A61L 27 /-</u></b>
2021207299	<b><u>A23L 5 /-</u></b>	2020406628	<b><u>A61K 39 /-</u></b>	2020400632	2021206966
<b><u>A01M 21 /-</u></b>	2020410757	2021205331	2020406155	2020406155	2021212885
2020414396	<b><u>A24B 15 /-</u></b>	2021213789	2020407644	2020407644	<b><u>A61L 9 /-</u></b>
2020415332	2021212295	2021216916	2020411439	2020411439	2021208455
<b><u>A01N 1 /-</u></b>	<b><u>A24D 1 /-</u></b>	2021217007	2020480789	2021207627	<b><u>A61M 1 /-</u></b>
2021211414	2021212295	2021235647	2021207627	2021209940	2021217085
<b><u>A01N 25 /-</u></b>	<b><u>A41D 1 /-</u></b>	<b><u>A61B 18 /-</u></b>	2021211185	2021211185	<b><u>A61M 16 /-</u></b>
2020415332	2020407893	2020401393	2021212197	2021212197	2020418132
<b><u>A01N 31 /-</u></b>	<b><u>A41D 13 /-</u></b>	2021205899	2021213150	2021213150	<b><u>A61M 25 /-</u></b>
2020415332	2020407893	<b><u>A61B 3 /-</u></b>	2021217373	2021217373	2020400086
<b><u>A01N 59 /-</u></b>	<b><u>A41D 31 /-</u></b>	2020405211	<b><u>A61K 31 /-</u></b>	<b><u>A61K 41 /-</u></b>	<b><u>A61M 27 /-</u></b>
2020415332	2020407893	<b><u>A61B 34 /-</u></b>	2020399232	2021205444	2020400086
<b><u>A01N 61 /-</u></b>	<b><u>A47F 5 /-</u></b>	2021207704	2020399259	<b><u>A61K 45 /-</u></b>	<b><u>A61M 27 /-</u></b>
2020415332	2020410099	2021213789	2020404305	2021205444	2021209698
<b><u>A01P 13 /-</u></b>	<b><u>A47F 7 /-</u></b>	<b><u>A61B 5 /-</u></b>	2020405033	2021207599	2021217085
2020415332	2020400415	2020400632	2020407882	2021213150	<b><u>A61M 60 /-</u></b>
<b><u>A23F 3 /-</u></b>	2020410099	2020401575	2020408674	2021221120	2021216095
2020406745	<b><u>A47G 1 /-</u></b>	2020410741	2020408959	2021223494	<b><u>A61N 1 /-</u></b>
<b><u>A23F 5 /-</u></b>	2020400415	2020420084	2020414943	2021241800	2020420084
2020406745	<b><u>A47G 19 /-</u></b>	2021205331	2020415440	2021241800	<b><u>A61N 5 /-</u></b>
<b><u>A23G 3 /-</u></b>	2020403641	2021205493	2020425816	2021205444	2020420084
2020410249	<b><u>A47G 27 /-</u></b>	2021211478	2021205444	2021205506	2021212659
		2021216121	2021206696	2021206696	<b><u>A61N 1 /-</u></b>
		<b><u>A61B 6 /-</u></b>	2021206966	2021207295	2020420084
		2020400632	2021207295	2020436811	<b><u>A61N 5 /-</u></b>
		2021207704	2021211723	2020436820	2020420084
		<b><u>A61B 8 /-</u></b>	2021211828	2021210987	2021212659
		2020435347	2021212754	2021215929	<b><u>A61P 1 /-</u></b>
		2021205331	2021213753	2021218964	2020436811
		<b><u>A61B 90 /-</u></b>	2021213812	<b><u>A61K 48 /-</u></b>	2020436820
		2021205331	2021214076	2020403266	<b><u>A61P 11 /-</u></b>
		2021205899	2021218964	2021206510	2021207295
		2021213789	2021221120	2021207707	<b><u>A61P 15 /-</u></b>
			2021222297	2021211723	2021223494
			2021223494	2021213812	<b><u>A61P 17 /-</u></b>
			2021241800	2021219957	2021212754
			<b><u>A61K 33 /-</u></b>	<b><u>A61K 49 /-</u></b>	
			2020405124	2020400632	
			2020436811		
			2020436820		
			<b><u>A61K 35 /-</u></b>		
			2020403266		

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<b>A61P 19 /-</b>	2021213812	<b>B01J 41 /-</b>	2021206560	<b>B63B 1 /-</b>	<b>B65D 23 /-</b>
2021206966	<b>A61P 43 /-</b>	2021211728	<b>B32B 27 /-</b>	2020419451	2020403641
<b>A61P 21 /-</b>	2021207504	<b>B01L 3 /-</b>	2021205263	<b>B63B 32 /-</b>	2020410099
2020408959	2021213150	2021205633	2021208995	2020419451	<b>B65D 25 /-</b>
2021207707	<b>A61P 7 /-</b>	<b>B02C 15 /-</b>	<b>B32B 29 /-</b>	<b>B63B 34 /-</b>	2020410099
<b>A61P 25 /-</b>	2021223494	2021208441	2021208995	2020419451	<b>B65D 41 /-</b>
2020400632	<b>A61P 9 /-</b>	<b>B08B 9 /-</b>	<b>B32B 3 /-</b>	<b>B64C 27 /-</b>	2021209030
2020403266	2021222297	2021208996	2021205650	2020403602	<b>B65D 43 /-</b>
2020407882	<b>A61Q 19 /-</b>	<b>B21C 37 /-</b>	2021206560	<b>B64C 39 /-</b>	2020410099
2020408674	2021226304	2021212171	2021208995	2020403602	2020428517
2020408959	<b>A63B 102 /-</b>	<b>B21J 15 /-</b>	2020436828	<b>B64D 27 /-</b>	2021208960
2021210069	2021208238	2020442694	2021205263	2020403602	<b>B65D 47 /-</b>
2021214076	<b>A63B 21 /-</b>	<b>B22D 19 /-</b>	2021205650	<b>B64F 1 /-</b>	2020428517
<b>A61P 27 /-</b>	2021205349	2020423121	2021206560	2020403602	2021209030
2020399259	<b>A63B 60 /-</b>	<b>B22F 10 /-</b>	<b>B32B 7 /-</b>	<b>B64F 3 /-</b>	<b>B65D 5 /-</b>
2020414152	2021207044	2020421012	2021208995	2020403602	2021208295
2021214076	<b>A63B 69 /-</b>	<b>B27N 3 /-</b>	<b>B41M 1 /-</b>	<b>B64F 3 /-</b>	2021220190
<b>A61P 29 /-</b>	2021207044	2021205650	2020405994	2020403602	<b>B65D 51 /-</b>
2020408959	<b>A63B 71 /-</b>	<b>B29C 53 /-</b>	<b>B41M 3 /-</b>	<b>B65B 1 /-</b>	2021209030
<b>A61P 3 /-</b>	2021208238	2021212171	2020405994	2021220625	<b>B65D 55 /-</b>
2020404305	<b>A63H 33 /-</b>	<b>B29C 70 /-</b>	<b>B41M 7 /-</b>	<b>B65B 3 /-</b>	2021209030
2020418205	2021208238	2020421012	2020405994	2021220625	<b>B65D 65 /-</b>
2021241800	<b>B01D 15 /-</b>	<b>B29K 23 /-</b>	<b>B60L 5 /-</b>	<b>B65B 31 /-</b>	2021208995
<b>A61P 31 /-</b>	2021208238	2020410261	2021215441	2021208295	<b>B65D 71 /-</b>
2020407501	<b>B01D 27 /-</b>	<b>B29K 623 /-</b>	<b>B60L 53 /-</b>	<b>B65B 37 /-</b>	2021206228
2020407644	2020427546	2020410261	2021215007	2021220625	<b>B65D 77 /-</b>
<b>A61P 33 /-</b>	<b>B01D 33 /-</b>	<b>B31B 100 /-</b>	<b>B60L 7 /-</b>	<b>B65B 43 /-</b>	2021208295
2020405033	2021208238	2021208295	2021208638	2021208295	2020403641
<b>A61P 35 /-</b>	2020410757	<b>B31B 110 /-</b>	<b>B60L 9 /-</b>	<b>B65B 59 /-</b>	2021208995
2020400632	2021213153	2021208295	2021215007	2021220625	<b>B65D 83 /-</b>
2020401755	<b>B01D 53 /-</b>	<b>B31B 120 /-</b>	<b>B60N 2 /-</b>	<b>B65B 7 /-</b>	2021220190
2020404305	2020403131	2021208295	2020416683	2021208295	<b>B65G 47 /-</b>
2020404930	<b>B01D 61 /-</b>	<b>B31B 50 /-</b>	<b>B61B 13 /-</b>	<b>B65C 9 /-</b>	2019480153
2020408959	2020408169	2021208295	2021208294	<b>B65D 19 /-</b>	<b>B65G 57 /-</b>
2020411439	2021217727	<b>B32B 15 /-</b>	<b>B62B 7 /-</b>	2019477592	2021207843
2020414152	<b>B01J 20 /-</b>	2021205263	2020420912	2021205609	<b>B65H 57 /-</b>
2020414943	2020410757	2021205650	<b>B62D 55 /-</b>	2021206519	2021215007
2020415440	2020410757	<b>B32B 21 /-</b>	2020423121	<b>B65D 21 /-</b>	<b>B65H 59 /-</b>
2020480789	2020410757	2021205650		2020410099	2021215007
2021205637				2021208960	
2021206696					
2021207599					
2021207627					
2021209940					
2021211185					
2021211828					
2021213150					
2021213753					
2021217373					
<b>A61P 37 /-</b>					
2020406155					
2021207295					
2021207599					
2021207627					

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<b><u>B65H 75 /-</u></b>	<b><u>C07D 251 /-</u></b>	<b><u>C07K 14 /-</u></b>		2021207468	<b><u>D04H 1 /-</u></b>
2021215007	2021238440	2020404930	<b><u>C08J 5 /-</u></b>	2021207707	2021210192
		2020407437	2021211728	2021207810	
<b><u>B66C 1 /-</u></b>	<b><u>C07D 257 /-</u></b>	2020407501		2021211723	<b><u>D05C 17 /-</u></b>
2020418567	2020400632	2020414152	<b><u>C08J 9 /-</u></b>	2021212189	2020436828
		2020418205	2021211728	2021213150	
<b><u>B66D 1 /-</u></b>	<b><u>C07D 263 /-</u></b>	2021207258	2021213296	2021213812	<b><u>D21F 11 /-</u></b>
2021215007	2021214076	2021207707		2021218962	2021206560
		2021209086	<b><u>C08L 23 /-</u></b>	2021218964	
<b><u>B67D 1 /-</u></b>	<b><u>C07D 401 /-</u></b>	2021209401	2020403018	2021233169	<b><u>D21H 21 /-</u></b>
2021208996	2020408959	2021209940		2021239220	2021206560
	2021212754	2021217373	<b><u>C08L 61 /-</u></b>	2021394840	
<b><u>C01B 15 /-</u></b>	2021213753	2021219720	2021213296	<b><u>C12N 5 /-</u></b>	2021206560
2020405885	<b><u>C07D 403 /-</u></b>	2021220196		2020407437	<b><u>E01B 1 /-</u></b>
		2021220870	<b><u>C09D 11 /-</u></b>	2020480789	2021212688
<b><u>C01B 33 /-</u></b>	2020404305	2021233169	2020405994	2021207707	
2020405124	2021213753	2021394840	2021245304	2021207810	<b><u>E01F 7 /-</u></b>
	<b><u>C07D 413 /-</u></b>	<b><u>C07K 16 /-</u></b>		2021209940	2021211185
<b><u>C01D 15 /-</u></b>	2021214076	2020400632	<b><u>C09D 175 /-</u></b>	2021211185	2021215092
2020405885		2020401755	2021209381	2021219720	<b><u>E03B 1 /-</u></b>
	<b><u>C07D 417 /-</u></b>	2020406155	2021209383	2021220196	2020422435
<b><u>C02F 1 /-</u></b>	2020414895	2020407437	2021210595	2021220870	
2020404104	2021211828	2020407501	2021210596	<b><u>C12N 7 /-</u></b>	<b><u>E03C 1 /-</u></b>
2020422435	2021214076	2021207627	2021210598	2020480789	2020399159
2021217727		2021208515	2021210599	<b><u>C12N 9 /-</u></b>	2020407266
<b><u>C02F 3 /-</u></b>	<b><u>C07D 471 /-</u></b>	2021208632	<b><u>C10B 47 /-</u></b>	2020407501	<b><u>E04B 1 /-</u></b>
2020404104	2020404305	2021209940	2020406865	2020417760	2020436409
	2020408959	2021219720	<b><u>C10B 53 /-</u></b>	2021212189	
<b><u>C03B 18 /-</u></b>	2020414943	2021219720	2020406865	2021213153	<b><u>E04B 2 /-</u></b>
2020427097	2021214076	<b><u>C07K 19 /-</u></b>		2021233727	2020436409
	<b><u>C07D 475 /-</u></b>	2020411439	<b><u>C10G 1 /-</u></b>	<b><u>C12P 1 /-</u></b>	
<b><u>C03C 3 /-</u></b>	2020410741	2020414152	2020406865	2020410757	<b><u>E04C 2 /-</u></b>
2020427097	<b><u>C07D 487 /-</u></b>	2020480789	<b><u>C10D 11 /-</u></b>	<b><u>C12P 13 /-</u></b>	2021205650
		<b><u>C07K 5 /-</u></b>	2020439415	2021210984	2021206560
<b><u>C03C 4 /-</u></b>	2021214076	2020399259	<b><u>C11D 17 /-</u></b>	2021394840	<b><u>E04F 15 /-</u></b>
2020427097	<b><u>C07H 1 /-</u></b>	<b><u>C07K 7 /-</u></b>	2020439415	<b><u>C12P 19 /-</u></b>	2021205650
		2020411439	<b><u>C11D 3 /-</u></b>	2021231532	2021206560
<b><u>C05D 1 /-</u></b>	2021231532	2021207653	<b><u>C12M 1 /-</u></b>	<b><u>C12P 21 /-</u></b>	2021206564
2021222409	<b><u>C07H 15 /-</u></b>	2021209086	2021205633	2021207258	<b><u>E04G 21 /-</u></b>
		<b><u>C08B 37 /-</u></b>	<b><u>C12F 3 /-</u></b>	<b><u>C12P 7 /-</u></b>	2020418567
<b><u>C05D 3 /-</u></b>	2021205637	2021231532	2020410757	2021233727	<b><u>E04H 12 /-</u></b>
2021222409	<b><u>C07H 19 /-</u></b>	<b><u>C08F 220 /-</u></b>	<b><u>C12M 1 /-</u></b>	<b><u>C12Q 1 /-</u></b>	2021212171
		2020421493	2021205633	2020410741	<b><u>E05B 49 /-</u></b>
<b><u>C07C 273 /-</u></b>	2021207504	2021209381	<b><u>C12N 1 /-</u></b>	2021206696	2020437047
2021217727	<b><u>C07H 21 /-</u></b>	2021210595	2021210984	2021210069	<b><u>E21B 10 /-</u></b>
		2021210596	2021233727	2021224271	2021214414
<b><u>C07C 51 /-</u></b>	2021207504	2021210598	<b><u>C12R 1 /-</u></b>	2021239220	
2020403018	<b><u>C07H 3 /-</u></b>	2021210599	2021233727	<b><u>C12R 1 /-</u></b>	<b><u>E21B 19 /-</u></b>
		<b><u>C08G 18 /-</u></b>	<b><u>C12N 15 /-</u></b>	2020410741	2021226481
<b><u>C07D 203 /-</u></b>	2021231532	2021209381	2020417760	2021206696	<b><u>E21B 21 /-</u></b>
2021210595	<b><u>C07K 1 /-</u></b>	2021209383	2020480789	2021210069	2021208345
		2021210595	2021206510	2021239220	
<b><u>C07D 233 /-</u></b>	2021208515	2020403018	2021207258	<b><u>C13B 50 /-</u></b>	
2021221120	2021208632	<b><u>C08J 11 /-</u></b>		2020410757	
	2021213153	2020421493	<b><u>C08J 3 /-</u></b>		
	2021219957				

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<b><u>E21B 33 /-</u></b>	<b><u>F04D 17 /-</u></b>	<b><u>F25C 1 /-</u></b>	<b><u>G01N 15 /-</u></b>	<b><u>G02F 1 /-</u></b>	<b><u>G06Q 20 /-</u></b>
2020421493 2021208345	2021205327	2021207074	2019406629	2020400081	2020399657
<b><u>E21B 34 /-</u></b>	<b><u>F04D 25 /-</u></b>	<b><u>F25D 11 /-</u></b>	<b><u>G01N 21 /-</u></b>	<b><u>G05D 1 /-</u></b>	<b><u>G06Q 40 /-</u></b>
2021208345	2021205327	2020421719	2021207299 2021207308	2021208834	2021204872 2021204966
<b><u>E21B 43 /-</u></b>	<b><u>F04D 29 /-</u></b>	<b><u>F25D 29 /-</u></b>	<b><u>G01N 23 /-</u></b>	<b><u>G06F 11 /-</u></b>	<b><u>G06Q 50 /-</u></b>
2020424503	2021205327	2020421719	2019406629 2020421012	2020407367	2020402278 2021208834 2021217210
<b><u>E21B 47 /-</u></b>	<b><u>F16B 13 /-</u></b>	<b><u>F28D 9 /-</u></b>	<b><u>G01N 24 /-</u></b>	<b><u>G06F 12 /-</u></b>	<b><u>G06T 1 /-</u></b>
2021226481	2021214414	2020408169	2021219957	2021256526	2020437047 2021214855
<b><u>E21B 49 /-</u></b>	<b><u>F16B 19 /-</u></b>	<b><u>F28F 13 /-</u></b>	<b><u>G01N 27 /-</u></b>	<b><u>G06F 16 /-</u></b>	<b><u>G06T 7 /-</u></b>
2021208450 2021209037	2020442694	2021206298	2020410741	2021208634	2020402866 2020421012 2021210962
<b><u>E21B 7 /-</u></b>	<b><u>F16C 33 /-</u></b>	<b><u>F41A 35 /-</u></b>	<b><u>G01N 33 /-</u></b>	<b><u>G06F 17 /-</u></b>	<b><u>G07C 9 /-</u></b>
2020427546	2020422435	2020422429	2019406629 2020407501 2020425444 2021206696 2021207299 2021209401 2021239220	2020407062 2020429186 2021224058	2020437047
<b><u>E21C 27 /-</u></b>	<b><u>F16K 17 /-</u></b>	<b><u>F41C 23 /-</u></b>	<b><u>G01R 31 /-</u></b>	<b><u>G06F 21 /-</u></b>	<b><u>G07F 17 /-</u></b>
2020424266	2020422435	2020422429	2020424488	2020399657 2021206497 2022201749	2020400954
<b><u>E21D 21 /-</u></b>	<b><u>F16K 31 /-</u></b>	<b><u>F41C 27 /-</u></b>	<b><u>G01R 33 /-</u></b>	<b><u>G06F 3 /-</u></b>	<b><u>G08G 1 /-</u></b>
2021214414	2020422429	2020422429	2021219957	2021256526	2021208834 2021227611
<b><u>E21D 9 /-</u></b>	<b><u>F16L 25 /-</u></b>	<b><u>F41G 11 /-</u></b>	<b><u>G01T 1 /-</u></b>	<b><u>G06F 7 /-</u></b>	<b><u>G09F 15 /-</u></b>
2021208294	2021208294	2020422429	2021205647	2020400954	2020400415
2020424266 2020425149	<b><u>F16L 27 /-</u></b>	<b><u>F42B 5 /-</u></b>	<b><u>G01V 1 /-</u></b>	<b><u>G06F 8 /-</u></b>	<b><u>G09F 3 /-</u></b>
<b><u>F02B 19 /-</u></b>	2021208294 2021244275	2021223383	2021205226 2021208450 2021209037	2020407367 2021206497	2020410099
2021219314	<b><u>F16L 3 /-</u></b>	<b><u>G01C 15 /-</u></b>	<b><u>G01V 11 /-</u></b>	<b><u>G06F 9 /-</u></b>	<b><u>G10H 3 /-</u></b>
<b><u>F02P 13 /-</u></b>	2021215007	2021208074	2021208450 2021209037	2021206497	2021210883
2021219314	<b><u>F16L 51 /-</u></b>	<b><u>G01C 3 /-</u></b>	<b><u>G01V 9 /-</u></b>	<b><u>G06G 7 /-</u></b>	<b><u>G10H 7 /-</u></b>
<b><u>F02P 15 /-</u></b>	2021208294	2021210962	2021208450 2021209037	2021208450 2021209037	2021210883
2021219314	<b><u>F16L 55 /-</u></b>	<b><u>G01D 3 /-</u></b>	<b><u>G01V 99 /-</u></b>	<b><u>G06K 9 /-</u></b>	<b><u>G11C 27 /-</u></b>
<b><u>F04B 1 /-</u></b>	2020422435	2021226481	2021208450 2021209037	2021204872 2021204966	2021254857
2020424503	<b><u>F16L 59 /-</u></b>	<b><u>G01F 13 /-</u></b>	<b><u>G02B 27 /-</u></b>	<b><u>G06N 5 /-</u></b>	<b><u>G16B 20 /-</u></b>
<b><u>F04B 23 /-</u></b>	2021205263	2021220625	2020400081 2020418462	2021224058	2021218731
2020424503	<b><u>F16N 7 /-</u></b>	<b><u>G01F 23 /-</u></b>	<b><u>G02B 6 /-</u></b>	<b><u>G06Q 10 /-</u></b>	<b><u>G16B 35 /-</u></b>
<b><u>F04C 18 /-</u></b>	2020427546	2021220625	2020400081 2020418462	2020402278 2021204872 2021204966 2021208834 2021217210 2021227611	2021210992
2020424201	<b><u>F21Y 115 /-</u></b>	<b><u>G01J 3 /-</u></b>	<b><u>G02B 27 /-</u></b>	<b><u>G06Q 10 /-</u></b>	<b><u>G16B 50 /-</u></b>
<b><u>F04C 29 /-</u></b>	2020402051	2021207299	2020400081 2020418462	2020402278 2021204872 2021204966 2021208834 2021217210 2021227611	2021210992
2020424201	<b><u>F24D 17 /-</u></b>	<b><u>G01L 3 /-</u></b>	<b><u>G02B 6 /-</u></b>	<b><u>G16H 10 /-</u></b>	2020424401
<b><u>F04D 1 /-</u></b>	2020422435	2021226481	2020400081 2020418462		
2021205327	<b><u>F25B 23 /-</u></b>	<b><u>G01N 1 /-</u></b>			
<b><u>F04D 13 /-</u></b>	2021206298	2020425444 2021205633 2021208638			
2021205327	<b><u>F25B 25 /-</u></b>				
	2021206298				

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<b><u>G16H 20 /-</u></b>		<b><u>H04W 84 /-</u></b>
2020424401	<b><u>H04L 1 /-</u></b>	2020418147
<b><u>G16H 50 /-</u></b>	2020420057	2020418917
	2020422276	2021274401
2020424401	<b><u>H04L 12 /-</u></b>	<b><u>H05B 1 /-</u></b>
<b><u>G21B 1 /-</u></b>	2020418917	2021208638
2021209064	<b><u>H04L 41 /-</u></b>	<b><u>H05H 1 /-</u></b>
<b><u>H01L 23 /-</u></b>	2021209616	2021209064
2021257650	<b><u>H04L 9 /-</u></b>	<b><u>H05K 7 /-</u></b>
<b><u>H01L 45 /-</u></b>	2020395234	2021255124
	2020396746	2021257650
2021234173	2020399657	
	2020418460	
<b><u>H01M 10 /-</u></b>	<b><u>H04M 3 /-</u></b>	
2020424488		
2021205263	2021412801	
<b><u>H01M 50 /-</u></b>	<b><u>H04N 13 /-</u></b>	
2021208147	2021210962	
<b><u>H01Q 21 /-</u></b>	<b><u>H04N 19 /-</u></b>	
2021274401	2020407738	
<b><u>H01Q 25 /-</u></b>	<b><u>H04N 21 /-</u></b>	
2021274401	2020399991	
<b><u>H02G 11 /-</u></b>	<b><u>H04R 25 /-</u></b>	
2021215007	2021235335	
<b><u>H02H 7 /-</u></b>	<b><u>H04R 5 /-</u></b>	
2020424488	2021235335	
<b><u>H02H 9 /-</u></b>	<b><u>H04W 12 /-</u></b>	
2021211411	2020395234	
<b><u>H02J 13 /-</u></b>	<b><u>H04W 16 /-</u></b>	
2021205427	2021274401	
<b><u>H02J 3 /-</u></b>	<b><u>H04W 24 /-</u></b>	
2021205427	2020418917	
	2021209616	
<b><u>H02J 7 /-</u></b>	<b><u>H04W 28 /-</u></b>	
2021205427	2021259515	
<b><u>H02J 9 /-</u></b>	<b><u>H04W 4 /-</u></b>	
2021205427	2020418460	
<b><u>H02S 40 /-</u></b>	<b><u>H04W 52 /-</u></b>	
2021205427	2020418147	
<b><u>H03M 1 /-</u></b>	<b><u>H04W 72 /-</u></b>	
2021254857	2021205564	
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2021228642		

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     C07D 241/44 ( 2006.01 )  
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     B29C 65/34 ( 2006.01 )  
     B29C 65/50 ( 2006.01 )  
     F16L 47/03 ( 2006.01 )  
     B29C 65/36 ( 2006.01 )  
     F16L 47/02 ( 2006.01 )  
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 (54) Coupling element, coupling assembly with such a coupling element and method of coupling a first substrate to such a coupling element



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**F16L 47/03** ( 2006.01 )  
*B29C 65/36* ( 2006.01 )  
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**H04M 1/725** ( 2006.01 )  
**H04W 4/20** ( 2009.01 )  
**H04W 88/02** ( 2009.01 )  
**H04W 92/18** ( 2009.01 )  
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**A45C 13/34** ( 2006.01 )  
**H04M 1/725** ( 2006.01 )  
**H04W 4/20** ( 2009.01 )  
**H04W 88/02** ( 2009.01 )  
**H04W 92/18** ( 2009.01 )  
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**G06F 3/00** ( 2006.01 )  
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 G06F 3/0488 ( 2013.01 )  
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 A61K 31/185 ( 2006.01 )  
 A61L 2/00 ( 2006.01 )  
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 G06V 40/10 ( 2022.01 )  
 G06K 9/62 ( 2006.01 )  
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 A62C 13/76 ( 2006.01 )  
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 E05B 29/00 ( 2006.01 )  
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*C22C 38/14* ( 2006.01 )  
*C21D 9/56* ( 2006.01 )  
*C22C 38/12* ( 2006.01 )  
*C23C 2/06* ( 2006.01 )  
*C23C 2/12* ( 2006.01 )  
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*C22C 38/04* ( 2006.01 )  
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*C07D 471/08* ( 2006.01 )  
*A61K 31/4995* ( 2006.01 )  
*A61K 31/5386* ( 2006.01 )  
*A61P 11/00* ( 2006.01 )  
*A61P 25/00* ( 2006.01 )  
*C07D 498/08* ( 2006.01 )  
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*A61M 25/16* ( 2006.01 )  
*A61M 25/18* ( 2006.01 )  
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 (51) Int. Cl.  
*A61K 31/7076* ( 2006.01 )  
*A61K 9/00* ( 2006.01 )  
*A61K 9/20* ( 2006.01 )  
*A61K 9/48* ( 2006.01 )  
*A61P 9/14* ( 2006.01 )  
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*G01N 29/00* ( 2006.01 )  
*B01D 21/00* ( 2006.01 )  
*B03D 1/00* ( 2006.01 )  
*G01F 23/296* ( 2006.01 )  
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 (54) Method for the inactivation and inactivation testing of xenoantigens in foods of

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- animal origin, particularly for milk and derivatives, and in foods of plant origin, particularly for milk substitutes based on soy and/or rice  
**(51)** Int. Cl.  
**A23L 5/20** ( 2016.01 )  
**A23L 33/00** ( 2016.01 )  
**A61K 39/35** ( 2006.01 )  
**G01N 33/50** ( 2006.01 )  
**(87)** WO2018/091460  
**(31)** 102016000115523 **(32)** 16.11.16 **(33)** IT  
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**C12N 15/86** ( 2006.01 )  
**A61K 48/00** ( 2006.01 )  
**C07K 14/005** ( 2006.01 )  
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**G01G 19/50** ( 2006.01 )  
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**(51)** Int. Cl.  
**A61K 39/12** ( 2006.01 )  
**A61P 31/00** ( 2006.01 )  
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**(51)** Int. Cl.  
**H01L 27/32** ( 2006.01 )  
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**(51)** Int. Cl.  
**A61N 1/05** ( 2006.01 )  
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**A61N 1/372** ( 2006.01 )  
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**(51)** Int. Cl.  
**F28F 3/04** ( 2006.01 )  
**F28C 1/04** ( 2006.01 )  
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**(31)** 62/951,365 **(32)** 20.12.19 **(33)** US  
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**G02C 7/06** ( 2006.01 )
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**H02G 3/14** ( 2006.01 )  
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**(74)** Phillips Ormonde Fitzpatrick
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**(54)** Method and apparatus for enhancing the maturation rate of an arteriovenous fistula  
**(51)** Int. Cl.  
**A61M 25/10** ( 2006.01 )  
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**A61F 2/915** ( 2013.01 )  
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**G01G 13/24** ( 2006.01 )  
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*C12Q 1/68* ( 2006.01 )  
*A61K 35/17* ( 2015.01 )  
*C07K 14/47* ( 2006.01 )  
*C12N 15/11* ( 2006.01 )  
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*F16F 15/30* ( 2006.01 )  
*F16F 15/315* ( 2006.01 )  
*H02K 7/02* ( 2006.01 )  
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 (51) Int. Cl.  
*H04L 9/32* ( 2006.01 )  
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 juvants in vaccines  
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*C07C 33/30* ( 2006.01 )  
*C07C 33/48* ( 2006.01 )  
*C07C 43/166* ( 2006.01 )  
*C07C 43/176* ( 2006.01 )  
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*C07C 69/734* ( 2006.01 )  
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*G01V 1/30* ( 2006.01 )  
*G01V 1/28* ( 2006.01 )  
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 (51) Int. Cl.  
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*A01N 65/00* ( 2006.01 )  
*A61K 47/12* ( 2006.01 )  
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 as BCL-2-selective inhibitor  
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 YANG, Ling  
**(74)** Madderns Pty Ltd

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 fucosylated oligosaccharides  
**(51)** Int. Cl.  
**C12P 19/18** ( 2006.01 )  
**C12N 1/21** ( 2006.01 )  
**C12N 9/10** ( 2006.01 )  
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**(74)** Davies Collison Cave Pty Ltd

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**(11)** AU-B-2019377099  
**(21)** 2019377099 **(22)** 06.11.2019  
**(54)** Systems and methods for secure SaaS  
 redirection from native applications  
**(51)** Int. Cl.  
**G06F 21/12** ( 2013.01 )  
**G06F 21/33** ( 2013.01 )  
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**(72)** CHAUHAN, Abhishek  
**(74)** RnB IP Pty Ltd

**(71)** Citrix Systems, Inc.  
**(11)** AU-B-2020233653  
**(21)** 2020233653 **(22)** 15.09.2020  
**(54)** Secure information exchange in feder-  
 ated authentication  
**(51)** Int. Cl.  
**H04L 9/32** ( 2006.01 )  
**G06F 21/60** ( 2013.01 )  
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**(72)** Reddem, Dileep; Feijoo, Ricardo  
 Fernando  
**(74)** FB Rice Pty Ltd

**(71)** Clik Tile System Pty Ltd  
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**(54)** Tile levelling clip and system  
**(51)** Int. Cl.  
**E04F 21/18** ( 2006.01 )  
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**(31)** 2016900556 **(32)** 17.02.16 **(33)** AU  
**(43)** 24.08.2017  
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**(72)** Papadatos, Kosta  
**(74)** IP Gateway Patent and Trade Mark At-  
 torneys Pty Ltd

**(71)** CMR Surgical Limited  
**(11)** AU-B-2019351926  
**(21)** 2019351926 **(22)** 03.10.2019  
**(54)** Methods and systems for providing as-  
 sistance to a user of a surgical robot  
 system  
**(51)** Int. Cl.  
**A61B 34/30** ( 2016.01 )  
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 ZIES, Rupert  
**(74)** FB Rice Pty Ltd

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**(11)** AU-B-2019302422  
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**(54)** Engineered phosphopentomutase vari-  
 ant enzymes  
**(51)** Int. Cl.  
**C12P 19/02** ( 2006.01 )  
**C12P 19/38** ( 2006.01 )  
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**(74)** Houlihan<sup>2</sup> Pty Ltd

**(71)** Colgate-Palmolive Company  
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**(21)** 2018451738 **(22)** 06.12.2018  
**(54)** Personal care compositions  
**(51)** Int. Cl.  
**A61K 8/41** ( 2006.01 )  
**A61K 8/81** ( 2006.01 )  
**A61Q 17/00** ( 2006.01 )  
**(87)** WO2020/117238

**(43)** 11.06.2020  
**(44)** 04.08.2022  
**(72)** FAN, Aixing; BOYD, Thomas; LE, Lan  
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**(71)** Colgate-Palmolive Company  
**(11)** AU-B-2020294204  
**(21)** 2020294204 **(22)** 22.12.2020  
**(54)** Oral care implement  
**(51)** Int. Cl.  
**A46B 15/00** ( 2006.01 )  
**(43)** 28.01.2021  
**(44)** 04.08.2022  
**(62)** 2018292250  
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 Khan, Soniya  
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**(71)** Commonwealth Scientific and Industrial  
 Research Organisation  
**(11)** AU-B-2021201112  
**(21)** 2021201112 **(22)** 19.02.2021  
**(54)** Controlling operation of energy-con-  
 suming devices  
**(51)** Int. Cl.  
**G05D 23/19** ( 2006.01 )  
**G06Q 10/04** ( 2012.01 )  
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 BRIEL, Menkes  
**(74)** FB Rice Pty Ltd

**(71)** COMPOSECURE, LLC  
**(11)** AU-B-2021202354  
**(21)** 2021202354 **(22)** 19.04.2021  
**(54)** DUAL INTERFACE METAL SMART  
 CARD WITH BOOSTER ANTENNA  
**(51)** Int. Cl.  
**G06K 19/077** ( 2006.01 )  
**G06K 19/02** ( 2006.01 )  
**G06K 19/07** ( 2006.01 )  
**G06K 19/10** ( 2006.01 )  
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**(43)** 13.05.2021  
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**(74)** Houlihan<sup>2</sup> Pty Ltd

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**(21)** 2019465945 **(22)** 11.09.2019  
**(54)** Artificial knee joint  
**(51)** Int. Cl.  
**A61F 2/38** ( 2006.01 )  
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**(54)** Nucleic acid simultaneously inhibiting expression of AR gene and mTOR gene  
**(51)** Int. Cl.  
**C12N 15/113** ( 2010.01 )  
**A61K 31/282** ( 2006.01 )  
**A61K 31/337** ( 2006.01 )  
**A61K 31/7048** ( 2006.01 )  
**A61K 31/713** ( 2006.01 )  
**C12N 15/86** ( 2006.01 )  
**(87)** WO2019/017713  
**(31)** 10-2017-0091951 **(32)** 20.07.17 **(33)** KR  
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**(54)** Fan  
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**F04D 25/08** ( 2006.01 )  
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**F04D 29/44** ( 2006.01 )  
**F04D 29/54** ( 2006.01 )  
**(87)** WO2017/198763  
**(31)** 102016000051279 **(32)** 18.05.16 **(33)** IT  
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**(72)** De' Longhi, Giuseppe; Renier, Maddalena; Prosperi, Francesca; Monticelli, Enrica; Toffolo, Raffaele  
**(74)** Baxter Patent Attorneys Pty Ltd

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**(71)** Dentsply DeTrey GmbH  
**(11)** AU-B-2018322801  
**(21)** 2018322801 **(22)** 29.08.2018  
**(54)** Dental composition comprising a particulate carrier supporting a coinitiator  
**(51)** Int. Cl.  
**A61K 6/00** ( 2006.01 )  
**A61K 6/887** ( 2020.01 )  
**(87)** WO2019/043056  
**(31)** 17188788.8 **(32)** 31.08.17 **(33)** EP  
**(43)** 07.03.2019  
**(44)** 04.08.2022  
**(72)** MAIER, Maximilian; KLEE, Joachim E.; SCHEUFLER, Christian; RENN, Caroline; SZILLAT, Florian  
**(74)** Spruson & Ferguson

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**(71)** Digital Asset (Switzerland) GmbH  
**(11)** AU-B-2021201672  
**(21)** 2021201672 **(22)** 17.03.2021

**(54)** Computer system and method for distributed privacy-preserving shared execution of one or more processes  
**(51)** Int. Cl.  
**G06F 21/54** ( 2013.01 )  
**(43)** 08.04.2021  
**(44)** 04.08.2022  
**(62)** 2019219861  
**(72)** LITSIOS, James Benton; MEIER, Simon; MARIC, Ognjen; BLEIKERTZ, Sören Gerhard; MAZZOLI, Francesco  
**(74)** FB Rice Pty Ltd

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**(71)** DOSE Medical Corporation  
**(11)** AU-B-2020204427  
**(21)** 2020204427 **(22)** 02.07.2020  
**(54)** Drug eluting ocular implant  
**(51)** Int. Cl.  
**A61F 2/00** ( 2006.01 )  
**(43)** 23.07.2020  
**(44)** 04.08.2022  
**(62)** 2018229507  
**(72)** Haffner, David; Curry, Ken; Heitzmann, Harold; Applegate, David  
**(74)** Davies Collison Cave Pty Ltd

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**(71)** DRAEGER SAFETY AG & CO. KGAA  
**(11)** AU-B-2021202111  
**(21)** 2021202111 **(22)** 06.04.2021  
**(54)** SAFETY HELMET WITH A RESILIENTLY ATTACHED SHOCK-ABSORBING SHELL AND PROCESS FOR MANUFACTURING SAME  
**(51)** Int. Cl.  
**A42B 3/06** ( 2006.01 )  
**A42B 3/04** ( 2006.01 )  
**A42C 2/00** ( 2006.01 )  
**(31)** 102020002611.7 **(32)** 30.04.20 **(33)** DE  
**(43)** 18.11.2021  
**(44)** 04.08.2022  
**(72)** PRACHT, Steffen; RAHMATYAN, Jasser  
**(74)** Houlihan<sup>2</sup> Pty Ltd

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**(71)** Dropbox, Inc.  
**(11)** AU-B-2020203219  
**(21)** 2020203219 **(22)** 18.05.2020  
**(54)** Sharing unmanaged content using a content management system  
**(51)** Int. Cl.  
**G06F 16/16** ( 2019.01 )  
**G06F 16/14** ( 2019.01 )  
**G06F 16/172** ( 2019.01 )  
**(43)** 04.06.2020  
**(44)** 04.08.2022  
**(62)** 2018226432  
**(72)** O'BRIAN, George; VAIDYA, Jiten; HU, Bo  
**(74)** FPA Patent Attorneys Pty Ltd

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**(71)** Duke University  
**(11)** AU-B-2017360365  
**(21)** 2017360365 **(22)** 10.10.2017  
**(54)** Lasofoxifene treatment of ER+ breast cancer  
**(51)** Int. Cl.  
**A61K 31/00** ( 2006.01 )

**A61K 31/40** ( 2006.01 )  
**A61K 45/06** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**A61P 35/04** ( 2006.01 )  
**(87)** WO2018/093484  
**(31)** 62/457,759 **(32)** 10.02.17 **(33)** US  
 62/502,299 05.05.17 US  
 62/406,859 11.10.16 US  
**(43)** 24.05.2018  
**(44)** 04.08.2022  
**(72)** Andreano, Kaitlyn; Chang, Ching-Yi; McDonnell, Donald P.; Gaillard, Stephanie L.  
**(74)** Pizzeys Patent and Trade Mark Attorneys Pty Ltd

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**(71)** DYWIDAG-Systems International Pty Limited  
**(11)** AU-B-2017218453  
**(21)** 2017218453 **(22)** 08.02.2017  
**(54)** Rock bolt adapter  
**(51)** Int. Cl.  
**E21D 20/02** ( 2006.01 )  
**E21D 21/00** ( 2006.01 )  
**(87)** WO2017/136880  
**(31)** 2016900420 **(32)** 09.02.16 **(33)** AU  
**(43)** 17.08.2017  
**(44)** 04.08.2022  
**(72)** McLaren, Matthew David  
**(74)** O'Sullivan's Patent and Trade Mark Attorneys Pty Ltd

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**(71)** Edico Genome Corp.  
**(11)** AU-B-2021203941  
**(21)** 2021203941 **(22)** 15.06.2021  
**(54)** BIOINFORMATICS SYSTEMS, APPARATUS, AND METHODS EXECUTED ON AN INTEGRATED CIRCUIT PROCESSING PLATFORM  
**(51)** Int. Cl.  
**G06N 3/00** ( 2006.01 )  
**(43)** 08.07.2021  
**(44)** 04.08.2022  
**(62)** 2016226288  
**(72)** van Rooyen, Pieter; Ruehle, Michael; McMillen, Robert J.; Hahm, Mark  
**(74)** Pizzeys Patent and Trade Mark Attorneys Pty Ltd

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**(71)** ELC Management LLC  
**(11)** AU-B-2019242743  
**(21)** 2019242743 **(22)** 27.03.2019  
**(54)** Thickened catalyzed dye system  
**(51)** Int. Cl.  
**A61K 8/19** ( 2006.01 )  
**A61K 8/28** ( 2006.01 )  
**A61K 8/41** ( 2006.01 )  
**A61Q 5/06** ( 2006.01 )  
**(87)** WO2019/191198  
**(31)** 62/648,601 **(32)** 27.03.18 **(33)** US  
**(43)** 03.10.2019  
**(44)** 04.08.2022  
**(72)** HAWKINS, Geoffrey; NOWLAN III, Daniel Thomas  
**(74)** Phillips Ormonde Fitzpatrick

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(71) Electrical Subsea & Drilling  
 (11) AU-B-2017244287  
 (21) 2017244287 (22) 28.03.2017  
 (54) Annular blowout preventer  
 (51) Int. Cl.  
*E21B 33/06* ( 2006.01 )  
*E21B 33/064* ( 2006.01 )  
 (87) WO2017/171555  
 (31) 20160507 (32) 30.03.16 (33) NO  
 20160508 30.03.16 NO  
 20160506 30.03.16 NO  
 (43) 05.10.2017  
 (44) 04.08.2022  
 (72) Alsup, John L.; Williams, Bolie C.;  
 Nance, J. Gilbert; Norbom, Erik;  
 Håverstad, Thor Arne  
 (74) FB Rice Pty Ltd

(71) Electrolux Appliances Aktiebolag  
 (11) AU-B-2017243936  
 (21) 2017243936 (22) 09.03.2017  
 (54) Fastening element and household appliance comprising said fastening element  
 (51) Int. Cl.  
*F24C 15/16* ( 2006.01 )  
 (87) WO2017/167566  
 (31) EP16162727.8 (32) 30.03.16 (33) EP  
 (43) 05.10.2017  
 (44) 04.08.2022  
 (72) Cetintas, Sakir  
 (74) Halfords IP

(71) Enatel Limited  
 (11) AU-B-2020203025  
 (21) 2020203025 (22) 07.05.2020  
 (54) Improvements in and relating to load balancing  
 (51) Int. Cl.  
*H02J 3/26* ( 2006.01 )  
*H02J 3/28* ( 2006.01 )  
*H02J 3/32* ( 2006.01 )  
 (43) 28.05.2020  
 (44) 04.08.2022  
 (62) 2015322204  
 (72) Wyma, Murray Raymond  
 (74) James & Wells Intellectual Property

(71) Encore Medical, L.P. (d/b/a DJO Surgical)  
 (11) AU-B-2018225148  
 (21) 2018225148 (22) 22.02.2018  
 (54) Hip implant system  
 (51) Int. Cl.  
*A61F 2/36* ( 2006.01 )  
 (87) WO2018/156786  
 (31) 62/462,829 (32) 23.02.17 (33) US  
 15/901,823 21.02.18 US  
 (43) 30.08.2018  
 (44) 04.08.2022  
 (72) Meneghini, R. Michael; Sporer, Scott;  
 Taunton, Michael; Browne, James  
 Andrew; Kim, Raymond; Edwards,  
 Paul K.; Mason, Michael; Jankiewicz,  
 Joseph; McBride, Mark; Axelson Jr.,  
 Stuart L.; Shallenberg, Adam  
 (74) Spruson & Ferguson

(71) ENEOS Corporation  
 (11) AU-B-2019278632  
 (21) 2019278632 (22) 27.05.2019  
 (54) Hydrogen gas filling method and hydrogen gas filling device  
 (51) Int. Cl.  
*F17C 13/02* ( 2006.01 )  
*F17C 5/06* ( 2006.01 )  
 (87) WO2019/230649  
 (31) 2018-102762 (32) 29.05.18 (33) JP  
 (43) 05.12.2019  
 (44) 04.08.2022  
 (72) FUKUNAGA, Akihiko;  
 REMBUTSU, Tatsuya; SAKAMOTO,  
 Koki  
 (74) WRAYS PTY LTD

(71) Epizyme, Inc.  
 (11) AU-B-2020244382  
 (21) 2020244382 (22) 28.09.2020  
 (54) EZH2 INHIBITORS FOR TREATING LYMPHOMA  
 (51) Int. Cl.  
*A61K 31/5377* ( 2006.01 )  
*A61K 31/4412* ( 2006.01 )  
*A61K 31/444* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
 (43) 29.10.2020  
 (44) 04.08.2022  
 (62) 2015277139  
 (72) Keilhack, Heike  
 (74) Pizzeyes Patent and Trade Mark Attorneys Pty Ltd

(71) Equinox Ophthalmic, Inc.  
 (11) AU-B-2020286245  
 (21) 2020286245 (22) 09.12.2020  
 (54) Apparatus and methods to detect a characteristic associated with a patient eye  
 (51) Int. Cl.  
*A61F 9/007* ( 2006.01 )  
*A61B 3/16* ( 2006.01 )  
*A61B 5/03* ( 2006.01 )  
*A61F 9/02* ( 2006.01 )  
*A61B 3/10* ( 2006.01 )  
*A61B 5/021* ( 2006.01 )  
*A61B 5/024* ( 2006.01 )  
*A61B 5/11* ( 2006.01 )  
*A61B 5/145* ( 2006.01 )  
 (43) 14.01.2021  
 (44) 04.08.2022  
 (62) 2019202196  
 (72) BERDAHL, John; TSAI, George;  
 THOMPSON, Vance Michael  
 (74) FB Rice Pty Ltd

(71) Essity Hygiene and Health Aktiebolag  
 (11) AU-B-2018454396  
 (21) 2018454396 (22) 20.12.2018  
 (54) A hygiene monitoring device comprising a sensing panel  
 (51) Int. Cl.  
*A61F 13/42* ( 2006.01 )  
*A61B 5/20* ( 2006.01 )  
*G01N 27/04* ( 2006.01 )  
 (87) WO2020/126000  
 (43) 25.06.2020

(44) 04.08.2022  
 (72) ÖBERG, Michael; CARNEY, Joshua;  
 PETERSSON-FALK, Henrik; OLSSON, Anders  
 (74) Griffith Hack

(71) Fertin Pharma A/S  
 (11) AU-B-2019269881  
 (21) 2019269881 (22) 15.05.2019  
 (54) Disintegrating oral tablet suitable for active pharmaceutical ingredients  
 (51) Int. Cl.  
*A61K 9/20* ( 2006.01 )  
*A61Q 11/00* ( 2006.01 )  
 (87) WO2019/219144  
 (31) 15/982,556 (32) 17.05.18 (33) US  
 (43) 21.11.2019  
 (44) 04.08.2022  
 (72) WITTORFF, Helle  
 (74) FPA Patent Attorneys Pty Ltd

FG Innovation Company Limited see Sharp Kabushiki Kaisha  
 (21) 2017355827

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 (21) 2018257199

(71) Field Joint Coatings Pty Ltd  
 (11) AU-B-2020294342  
 (21) 2020294342 (22) 30.12.2020  
 (54) Pipe spray machine  
 (51) Int. Cl.  
*B05B 13/04* ( 2006.01 )  
*F16L 58/10* ( 2006.01 )  
*F16L 58/18* ( 2006.01 )  
 (43) 18.03.2021  
 (44) 04.08.2022  
 (62) 2015201875  
 (72) Sharman, Aaron  
 (74) Spruson & Ferguson

(71) Fisher & Paykel Healthcare Limited  
 (11) AU-B-2017300912  
 (21) 2017300912 (22) 24.07.2017  
 (54) Sensing for respiratory circuits  
 (51) Int. Cl.  
*A61M 16/00* ( 2006.01 )  
 (87) WO2018/016977  
 (31) 62/365,664 (32) 22.07.16 (33) US  
 (43) 25.01.2018  
 (44) 04.08.2022  
 (72) Petrochenko, Anton; Yan, Chenjie;  
 Tonkin, Paul James; Liu, Po-Yen;  
 Javed, Salman Mansoor; Seekup, Peter  
 Alan  
 (74) AJ PARK

(71) Fisher & Paykel Healthcare Limited  
 (11) AU-B-2020203451  
 (21) 2020203451 (22) 26.05.2020  
 (54) MEDICAL TUBES AND METHODS FOR MANUFACTURE  
 (51) Int. Cl.



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**A61M 16/08** ( 2006.01 )  
**A61M 39/08** ( 2006.01 )  
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**(44)** 04.08.2022  
**(62)** 2017272155  
**(72)** Graham, Peter Kenneth; Garcia, Enrico Alvarez; Sims, David John  
**(74)** AJ PARK

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**(71)** Fisher & Paykel Healthcare Limited  
**(11)** AU-B-2020250250  
**(21)** 2020250250 **(22)** 08.10.2020  
**(54)** Breathing apparatus  
**(51)** Int. Cl.  
**A61M 16/06** ( 2006.01 )  
**A44B 11/28** ( 2006.01 )  
**(43)** 12.11.2020  
**(44)** 04.08.2022  
**(62)** 2015343810  
**(72)** Huang, Wen Dong; Gardiola, Arvin San Jose; Stephenson, Matthew Roger; Lim, Toong Chuo; Walls, Bruce Michael; Young, Jeremy Owen  
**(74)** AJ PARK

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**(71)** FISHER & PAYKEL HEALTHCARE LIMITED  
**(11)** AU-B-2020202826  
**(21)** 2020202826 **(22)** 29.04.2020  
**(54)** IMPELLER AND MOTOR ASSEMBLY  
**(51)** Int. Cl.  
**A61M 16/00** ( 2006.01 )  
**(43)** 21.05.2020  
**(44)** 04.08.2022  
**(62)** 2017261486  
**(72)** BOTHMA, Johannes Nicolaas; BENT, Scott; DARBY, Adam John  
**(74)** AJ PARK

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**(71)** Flexinnova Kft  
**(11)** AU-B-2017271019  
**(21)** 2017271019 **(22)** 20.04.2017  
**(54)** Antislip flexible materials and methods for their making and use  
**(51)** Int. Cl.  
**B29C 59/02** ( 2006.01 )  
**B65D 33/00** ( 2006.01 )  
**B29C 70/64** ( 2006.01 )  
**(87)** WO2017/203306  
**(31)** P1600341 **(32)** 26.05.16 **(33)** HU  
**(43)** 30.11.2017  
**(44)** 04.08.2022  
**(72)** Mandzsu, József; Mandzsu, Zoltán; Mandzsu, Jozsef  
**(74)** AJ PARK

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**(71)** Fraunhofer-Gesellschaft zur Förderung der Angewandten Forschung E.V.  
**(11)** AU-B-2017300847  
**(21)** 2017300847 **(22)** 24.07.2017  
**(54)** Apparatus and method for generating dialysate for dialysis  
**(51)** Int. Cl.  
**A61M 1/16** ( 2006.01 )  
**A61M 1/28** ( 2006.01 )  
**(87)** WO2018/015571  
**(31)** 16180923.1 **(32)** 22.07.16 **(33)** EP

**(43)** 25.01.2018  
**(44)** 04.08.2022  
**(72)** Goldau, Rainer  
**(74)** Madderns Pty Ltd

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**(71)** Fronius International GmbH  
**(11)** AU-B-2019309171  
**(21)** 2019309171 **(22)** 26.07.2019  
**(54)** Arc detection  
**(51)** Int. Cl.  
**H02J 3/38** ( 2006.01 )  
**H02J 13/00** ( 2006.01 )  
**(87)** WO2020/021088  
**(31)** 18186047.9 **(32)** 27.07.18 **(33)** EP  
**(43)** 30.01.2020  
**(44)** 04.08.2022  
**(72)** HOFER, Bernd; FASTHUBER, Christian; FISCHEREDER, Franz; BREUER, Stefan; SPITZER, Walter; BAIRHUBER, Mario; PFEIL, Reimar  
**(74)** FB Rice Pty Ltd

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**(71)** FUJIFILM Irvine Scientific, Inc.  
**(11)** AU-B-2016357087  
**(21)** 2016357087 **(22)** 11.08.2016  
**(54)** Media mixing chamber  
**(51)** Int. Cl.  
**B01F 23/00** ( 2022.01 )  
**(87)** WO2017/087040  
**(31)** 62/257,685 **(32)** 19.11.15 **(33)** US  
 15/087,826 31.03.16 US  
**(43)** 26.05.2017  
**(44)** 04.08.2022  
**(72)** Fletcher, Thomas Reid  
**(74)** Griffith Hack

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**(71)** Fujitsu General Limited  
**(11)** AU-B-2019423025  
**(21)** 2019423025 **(22)** 19.12.2019  
**(54)** Air conditioning system  
**(51)** Int. Cl.  
**F24F 11/58** ( 2018.01 )  
**(87)** WO2020/149093  
**(31)** 2019-005445 **(32)** 16.01.19 **(33)** JP  
**(43)** 23.07.2020  
**(44)** 04.08.2022  
**(72)** KAWAI, Tomofumi; SHIMAMURA, Yutaka; KITAJIMA, Masae; KITAMI, Koichi  
**(74)** Spruson & Ferguson

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**(71)** Galaxy Resources Limited  
**(11)** AU-B-2021346301  
**(21)** 2021346301 **(22)** 22.10.2021  
**(54)** Recovery of lithium from aqueous solutions  
**(51)** Int. Cl.  
**C22B 26/12** ( 2006.01 )  
**C01D 15/02** ( 2006.01 )  
**C01D 15/04** ( 2006.01 )  
**C01D 15/08** ( 2006.01 )  
**C22B 3/44** ( 2006.01 )  
**(87)** WO2022/087655  
**(31)** 2020903897 **(32)** 27.10.20 **(33)** AU  
**(43)** 12.05.2022  
**(44)** 04.08.2022  
**(72)** TALBOT, Brian Colin; CATOVIC, Enej  
**(74)** WRAYS PTY LTD

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**(71)** GEA Farm Technologies GmbH  
**(11)** AU-B-2017260142  
**(21)** 2017260142 **(22)** 28.04.2017  
**(54)** Safety valve  
**(51)** Int. Cl.  
**F16K 31/122** ( 2006.01 )  
**F16K 11/044** ( 2006.01 )  
**(87)** WO2017/191057  
**(31)** 10 2016 108 300.3 **(32)** 04.05.16 **(33)** DE  
**(43)** 09.11.2017  
**(44)** 04.08.2022  
**(72)** Balkenhol, Reinhard; Wiethoff, Magnus; Figgenger, Verena  
**(74)** Griffith Hack

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**(71)** Genesis Technologies Limited  
**(11)** AU-B-2017282153  
**(21)** 2017282153 **(22)** 20.06.2017  
**(54)** Automated cell processing systems and methods  
**(51)** Int. Cl.  
**G01N 35/00** ( 2006.01 )  
**B01L 1/02** ( 2006.01 )  
**B01L 1/04** ( 2006.01 )  
**G01N 35/10** ( 2006.01 )  
**(87)** WO2017/221155  
**(31)** 62/352,468 **(32)** 20.06.16 **(33)** US  
**(43)** 28.12.2017  
**(44)** 04.08.2022  
**(72)** Ahlfors, Jan-Eric  
**(74)** Spruson & Ferguson

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**(71)** GenFleet Therapeutics (Shanghai) Inc.; Zhejiang GenFleet Therapeutics Co., Ltd.  
**(11)** AU-B-2020246313  
**(21)** 2020246313 **(22)** 20.03.2020  
**(54)** Substituted heterocyclic amide compound and preparation method therefor and pharmaceutical use thereof  
**(51)** Int. Cl.  
**C07D 277/82** ( 2006.01 )  
**A61K 31/428** ( 2006.01 )  
**A61K 31/437** ( 2006.01 )  
**A61P 31/00** ( 2006.01 )  
**C07D 471/04** ( 2006.01 )  
**(87)** WO2020/192562  
**(31)** 201910221799.X **(32)** 22.03.19 **(33)** CN  
**(43)** 01.10.2020  
**(44)** 04.08.2022  
**(72)** ZHOU, Fusheng; XU, Xiaoming; ZHANG, Leitao; LIU, Zubo; HU, Gang; DING, Qian; XIE, Fubo; ZHENG, Biao; LV, Qiang; LAN, Jiong  
**(74)** Spruson & Ferguson

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**(71)** Germon, P.  
**(11)** AU-B-2021202891  
**(21)** 2021202891 **(22)** 06.05.2021  
**(54)** Gutter, Gutter Assembly and System  
**(51)** Int. Cl.  
**E04D 13/064** ( 2006.01 )  
**(43)** 03.06.2021

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(44) 04.08.2022  
 (62) 2016200161  
 (72) Germon, Peter Graham  
 (74) Caska Intellectual Property Pty Ltd

(71) GI Cell, Inc.  
 (11) AU-B-2019407590  
 (21) 2019407590 (22) 17.12.2019  
 (54) Block copolymer comprising hydrophilic first block, hydrophobic second block, and functional group capable of specifically binding to thiol  
 (51) Int. Cl.  
**A61K 9/107** ( 2006.01 )  
**A61K 47/10** ( 2017.01 )  
**A61K 47/34** ( 2017.01 )  
 (87) WO2020/130580  
 (31) 10-2018-0163379 (32) 17.12.18 (33) KR  
 (43) 25.06.2020  
 (44) 04.08.2022  
 (72) KIM, Won Jong; JANG, Dong Hyun  
 (74) FB Rice Pty Ltd

(71) Gilead Sciences, Inc.  
 (11) AU-B-2021201386  
 (21) 2021201386 (22) 03.03.2021  
 (54) Crystalline forms of (S) 2 ethylbutyl 2 (((S) (((2R,3S,4R,5R) 5 (4aminopyrrolo[2,1-f] [1,2,4]triazin-7-yl)-5-cyano-3,4-dihydroxytetrahydrofuran-2 yl)methoxy) (phenoxy)phosphoryl)amino)propanoate  
 (51) Int. Cl.  
**C07F 9/6561** ( 2006.01 )  
**A61K 31/53** ( 2006.01 )  
**A61P 31/14** ( 2006.01 )  
 (43) 25.03.2021  
 (44) 04.08.2022  
 (62) 2018262501  
 (72) Brak, Katrien; Carra, Ernest A.; Heumann, Lars V.; Larson, Nate  
 (74) Davies Collison Cave Pty Ltd

**Givaudan S.A. see Chemcon S.A.**  
 (21) 2021218078

(71) Glaukos Corporation  
 (11) AU-B-2020203149  
 (21) 2020203149 (22) 14.05.2020  
 (54) Gonioscopic devices  
 (51) Int. Cl.  
**A61B 3/117** ( 2006.01 )  
 (43) 04.06.2020  
 (44) 04.08.2022  
 (62) 2016235432  
 (72) Kalina Jr., Charles Raymond; Burns, Thomas W.; Calcaterra, Chris; Collins, Edward; McCauley, Timothy; Haffner, David S.; Henderson, Steven M.  
 (74) Davies Collison Cave Pty Ltd

(71) Global Tel\*Link Corporation  
 (11) AU-B-2017277712  
 (21) 2017277712 (22) 26.05.2017  
 (54) Personalized chatbots for inmates  
 (51) Int. Cl.

**G06N 5/02** ( 2006.01 )  
 (87) WO2017/213891  
 (31) 15/174,231 (32) 06.06.16 (33) US  
 (43) 14.12.2017  
 (44) 04.08.2022  
 (72) Hodge, Stephen L.  
 (74) Davies Collison Cave Pty Ltd

(71) Gojo Industries, Inc.  
 (11) AU-B-2017268183  
 (21) 2017268183 (22) 16.05.2017  
 (54) Method and apparatus for calibrating remaining doses of product in a refillable dispenser  
 (51) Int. Cl.  
**A47K 5/12** ( 2006.01 )  
**G01F 11/00** ( 2006.01 )  
**G01F 13/00** ( 2006.01 )  
**G01F 15/02** ( 2006.01 )  
**G01F 25/00** ( 2006.01 )  
 (87) WO2017/200965  
 (31) 62/337,462 (32) 17.05.16 (33) US  
 (43) 23.11.2017  
 (44) 04.08.2022  
 (72) Moore, Mark W.  
 (74) Collison & Co

(71) Google LLC  
 (11) AU-B-2020294362  
 (21) 2020294362 (22) 31.12.2020  
 (54) REDUCING PARASITIC CAPACITANCE AND COUPLING TO INDUCTIVE COUPLER MODES  
 (51) Int. Cl.  
**G06N 10/40** ( 2022.01 )  
**B82Y 10/00** ( 2011.01 )  
**H01L 27/18** ( 2006.01 )  
**H01L 39/24** ( 2006.01 )  
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*C12M 1/00* ( 2006.01 )  
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*C12M 1/26* ( 2006.01 )  
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F41G 3/14 ( 2006.01 )  
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H01L 27/146 ( 2006.01 )  
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(51) Int. Cl.  
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(51) Int. Cl.  
C07D 249/12 ( 2006.01 )  
A01N 47/38 ( 2006.01 )  
A01P 13/00 ( 2006.01 )  
C07D 401/06 ( 2006.01 )  
C07D 413/12 ( 2006.01 )  
C07D 417/12 ( 2006.01 )  
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F15B 1/02 ( 2006.01 )  
F16F 9/10 ( 2006.01 )  
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C11D 7/08 ( 2006.01 )  
C23F 3/03 ( 2006.01 )  
C23G 1/12 ( 2006.01 )  
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BOILEAU, Pascal; ATHWAL, George  
S.; WARNER, Jon JP; TASHJIAN,  
Robert Z.; KEENER, Jay D.; GARGAC,  
Shawn M.; MUTCHLER, Austin Wyatt;  
STUMP, David R.; WOLFE, Alexander  
Paul; KNOX, Kevin P.  
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**(51)** Int. Cl.  
**C12Q 1/68** ( 2006.01 )  
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**H01Q 1/36** ( 2006.01 )  
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Hua; SOWPATI, Arun  
**(74)** Halfords IP

**(71)** Huawei Technologies Co., Ltd.  
**(11)** AU-B-2020224197  
**(21)** 2020224197 **(22)** 13.02.2020  
**(54)** Screen control method, electronic  
device, and storage medium  
**(51)** Int. Cl.  
**G06F 3/0487** ( 2013.01 )  
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**(11)** AU-B-2021204507  
**(21)** 2021204507 **(22)** 30.06.2021  
**(54)** METHOD FOR MOVING BETWEEN  
COMMUNICATIONS SYSTEMS AND  
APPARATUS

**(51)** Int. Cl.  
**H04W 36/04** ( 2009.01 )  
**H04W 36/00** ( 2009.01 )  
**H04W 76/16** ( 2018.01 )  
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He, Yue; Ouyang, Guowei  
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versity of Science and Technology of  
China  
**(11)** AU-B-2021212103  
**(21)** 2021212103 **(22)** 06.08.2021  
**(54)** Image prediction method and device  
**(51)** Int. Cl.  
**H04N 19/105** ( 2014.01 )  
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Haitao  
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**(11)** AU-B-2021212122  
**(21)** 2021212122 **(22)** 06.08.2021  
**(54)** Image prediction method and device  
**(51)** Int. Cl.  
**H04N 19/105** ( 2014.01 )  
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**(71)** Huawei Technologies Co., Ltd.  
**(11)** AU-B-2021215138  
**(21)** 2021215138 **(22)** 10.08.2021  
**(54)** METHOD FOR CONFIGURING  
TRANSMISSION DIRECTION OF  
TIME-FREQUENCY RESOURCE, AND  
APPARATUS  
**(51)** Int. Cl.  
**H04W 72/04** ( 2009.01 )  
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power saving in wireless networks  
**(51)** Int. Cl.  
**H04L 5/00** ( 2006.01 )  
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PATCAS, Florina Corina; GIESA, Sonja  
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**(54)** Fire fighting training system with steam/  
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**G09B 19/00** ( 2006.01 )  
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ground check measurement  
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**H02H 11/00** ( 2006.01 )  
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**(54)** Fully rotating frictional chained plate  
pulley material feeder  
**(51)** Int. Cl.  
**B65G 17/06** ( 2006.01 )  
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**(54)** Thermal protection system for light-  
weight hypersonic missile fin  
**(51)** Int. Cl.  
**C23C 30/00** ( 2006.01 )  
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**C23C 14/02** ( 2006.01 )  
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**C23C 14/08** ( 2006.01 )  
**C23C 14/16** ( 2006.01 )  
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sealed edge bags  
**(51)** Int. Cl.  
**B32B 37/14** ( 2006.01 )  
**A61F 15/00** ( 2006.01 )  
**B29C 65/00** ( 2006.01 )  
**B29C 67/00** ( 2017.01 )  
**B65B 9/00** ( 2006.01 )  
**B65D 75/30** ( 2006.01 )  
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GRUNENBERG, Torsten; GRÜNES,  
Bernd; BEE, Markus; SCHLÜTER,  
Anna  
**(74)** Griffith Hack

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devices and associated methods  
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**A61J 1/14** ( 2006.01 )  
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**C12M 1/34** ( 2006.01 )  
**F16K 24/04** ( 2006.01 )  
**G01N 7/10** ( 2006.01 )  
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Waldeisen, John Robert; Dimov, Ivan  
Krstev  
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**(54)** Fluid control  
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**B01L 3/00** ( 2006.01 )  
**F04B 43/04** ( 2006.01 )  
**H01L 41/09** ( 2006.01 )  
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McGuigan, Brian; Phelan, Andrew  
Peter; Khan, Aman  
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tained release of therapeutic agents  
and methods of use thereof  
**(51)** Int. Cl.  
**A61K 9/00** ( 2006.01 )  
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**(31)** 62/264,799 **(32)** 08.12.15 **(33)** US  
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Gardner, Colin; Grant, Tyler; Moorthy,  
Saumya  
**(74)** FB Rice Pty Ltd

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**(54)** Geometric configurations for gastric  
residence systems  
**(51)** Int. Cl.  
**A61M 31/00** ( 2006.01 )  
**A61K 9/20** ( 2006.01 )  
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**A61K 47/46** ( 2006.01 )  
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depth measurement  
**(51)** Int. Cl.  
**G01S 17/08** ( 2006.01 )  
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**G06F 3/01** ( 2006.01 )  
**G06K 7/10** ( 2006.01 )  
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**G06T 7/00** ( 2017.01 )  
**H04N 5/225** ( 2006.01 )  
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**(31)** 62/402,770 **(32)** 30.09.16 **(33)** US  
**(43)** 05.04.2018  
**(44)** 04.08.2022  
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Shai; Tadmor, Erez; Yahav, Giora  
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*G06T 15/10* ( 2011.01 )  
*G06T 7/60* ( 2017.01 )  
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 (43) 12.08.2021  
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 (72) Reinhardt, Benjamin Zaaron; Kho, Samuel Phoa  
 (74) Davies Collison Cave Pty Ltd
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- (71) Maschinenfabrik Reinhausen GmbH  
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*H01H 9/00* ( 2006.01 )  
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 (51) Int. Cl.  
*A61L 27/26* ( 2006.01 )  
*A61K 9/00* ( 2006.01 )  
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*A61L 27/44* ( 2006.01 )  
*A61L 27/50* ( 2006.01 )  
*A61L 31/04* ( 2006.01 )  
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*B41N 99/00* ( 2006.01 )  
*B42D 1/00* ( 2006.01 )  
*F21V 8/00* ( 2006.01 )  
*G02B 6/122* ( 2006.01 )  
*H04N 13/312* ( 2018.01 )  
*H04N 13/351* ( 2018.01 )  
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 (51) Int. Cl.  
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 (74) Ellis Terry
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 (51) Int. Cl.  
*G01V 9/00* ( 2006.01 )  
*A61B 5/11* ( 2006.01 )  
*A61G 7/05* ( 2006.01 )  
*C08G 63/06* ( 2006.01 )  
*G08B 21/02* ( 2006.01 )  
*G08B 25/04* ( 2006.01 )  
*H01L 41/087* ( 2006.01 )  
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 (51) Int. Cl.  
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*C01C 1/04* ( 2006.01 )  
*C25B 11/02* ( 2006.01 )  
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Ciaran James; Kang, Colin Suk Mo;  
Kar, Mega  
(74) Phillips Ormonde Fitzpatrick

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charge current in a battery pack con-  
taining cells of disparate types  
(51) Int. Cl.  
*H02J 7/00* ( 2006.01 )  
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SNYDER, Robert L.  
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Pharmaceutical Company Limited  
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endometriosis  
(51) Int. Cl.  
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*A61K 31/565* ( 2006.01 )  
*A61K 31/57* ( 2006.01 )  
*A61P 15/00* ( 2006.01 )  
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(74) FPA Patent Attorneys Pty Ltd

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satellite communications system  
(51) Int. Cl.  
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*H04W 4/02* ( 2009.01 )  
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George; Pollok, Andre  
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Mark; Ladd, Amy L.; Weiss, Arnold-  
Peter C.; Stockmans, Filip  
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versity of Mysore; Bangalore University  
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sociated death promoter (BAD) phos-  
phorylation  
(51) Int. Cl.  
*C07D 211/06* ( 2006.01 )  
*A61K 31/445* ( 2006.01 )  
*A61K 31/496* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
*C07D 241/04* ( 2006.01 )  
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Shobith; Venkatachalaiah, Srinivasa  
(74) WRAYS PTY LTD

(71) National University of Singapore  
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(54) Methods and compositions for modulat-  
ing TH-GM cell function  
(51) Int. Cl.  
*C12N 5/0783* ( 2010.01 )  
*A61P 37/00* ( 2006.01 )  
*C12Q 1/68* ( 2018.01 )  
*G01N 33/53* ( 2006.01 )  
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ZHANG, Yongliang; YANG, Fan  
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RADIO TERMINAL, AND METHODS  
THEREFOR  
(51) Int. Cl.  
*H04W 16/32* ( 2009.01 )  
*H04W 8/22* ( 2009.01 )  
*H04W 72/04* ( 2009.01 )

*H04W 80/02* ( 2009.01 )  
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(72) FUTAKI, Hisashi  
(74) Pizzeys Patent and Trade Mark Attor-  
neys Pty Ltd

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(51) Int. Cl.  
*C11B 3/00* ( 2006.01 )  
*C11B 3/10* ( 2006.01 )  
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ment of congenital adrenal hyperplasia  
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*A61K 31/427* ( 2006.01 )  
*A61K 31/4985* ( 2006.01 )  
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(71) Neuronano AB  
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(54) METHOD OF IMPLANTATION OF  
CELL AGGREGATES AND TISSUE  
FRAGMENTS  
(51) Int. Cl.  
*A61N 1/05* ( 2006.01 )  
*A61N 1/36* ( 2006.01 )  
*A61N 1/372* ( 2006.01 )  
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(62) 2019204187  
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(74) Houlihan<sup>2</sup> Pty Ltd

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poration  
(11) AU-B-2019393045  
(21) 2019393045 (22) 25.11.2019  
(54) ICT resource management device, ICT  
resource management method and ICT  
resource management program  
(51) Int. Cl.  
*H04L 47/78* ( 2022.01 )

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**(43)** 11.06.2020  
**(44)** 04.08.2022  
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 HASEBE, Katsuyuki; KANZAKI, Makoto  
**(74)** Spruson & Ferguson

**(71)** Nippon Telegraph and Telephone Corporation  
**(11)** AU-B-2019393436  
**(21)** 2019393436 **(22)** 25.11.2019  
**(54)** ICT resource management device, ICT resource management method and Ict resource management program  
**(51)** Int. Cl.  
**H04L 47/78** ( 2022.01 )  
**H04L 45/02** ( 2022.01 )  
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**(21)** 2018242408 **(22)** 26.03.2018  
**(54)** Chimeric antigen receptor  
**(51)** Int. Cl.  
**C07K 19/00** ( 2006.01 )  
**A61K 35/17** ( 2015.01 )  
**A61P 35/00** ( 2006.01 )  
**C07K 16/18** ( 2006.01 )  
**C12N 5/10** ( 2006.01 )  
**C12N 15/62** ( 2006.01 )  
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**(54)** Adjustable night vision goggle adapter  
**(51)** Int. Cl.  
**G02B 23/12** ( 2006.01 )  
**A42B 3/04** ( 2006.01 )  
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**C12N 15/63** ( 2006.01 )  
**A24D 1/00** ( 2006.01 )  
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**(74)** Collison & Co

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**(54)** Betamethasone oral spray formulation and method of use to treat ataxia  
**(51)** Int. Cl.  
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**(54)** Application unlock using a connected physical device and transfer of data therebetween  
**(51)** Int. Cl.  
**G16H 40/63** ( 2018.01 )  
**G06F 21/35** ( 2013.01 )  
**G16H 20/17** ( 2018.01 )  
**G16H 40/40** ( 2018.01 )  
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**(44)** 04.08.2022  
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**(72)** ZIEGLER, Dominik; MULLER, Manfred  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Novus 84 Limited  
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**(21)** 2020210096 **(22)** 15.01.2020  
**(54)** Power extension module and modular assembly thereof  
**(51)** Int. Cl.  
**H02G 9/04** ( 2006.01 )  
**H02G 3/04** ( 2006.01 )  
**H02G 3/34** ( 2006.01 )  
**H01R 25/16** ( 2006.01 )  
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**(44)** 04.08.2022  
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**(74)** Discover IP

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**(54)** User terminal and radio communication method  
**(51)** Int. Cl.

**H04W 72/04** ( 2009.01 )  
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**(51)** Int. Cl.  
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**G01N 33/66** ( 2006.01 )  
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**(44)** 04.08.2022  
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**(74)** Spruson & Ferguson

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**(54)** METHOD FOR DETECTING GLAUCOMA  
**(51)** Int. Cl.  
**A61B 3/00** ( 2006.01 )  
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**(74)** Ellis Terry

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**(51)** Int. Cl.  
**C07K 16/40** ( 2006.01 )  
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**(44)** 04.08.2022  
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**(74)** FPA Patent Attorneys Pty Ltd

**(71)** Otsuka America Pharmaceutical, Inc.  
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**(54)** Crystalline compounds  
**(51)** Int. Cl.  
**C07D 209/52** ( 2006.01 )

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**(44)** 04.08.2022  
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**(74)** Davies Collison Cave Pty Ltd
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**(54)** Fabric  
**(51)** Int. Cl.  
**D03D 1/00** ( 2006.01 )  
**D03D 15/00** ( 2006.01 )  
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**(72)** TUOMINEN, Vesa  
**(74)** Griffith Hack
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**(11)** AU-B-2019207366  
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**(54)** Star conveyor for containers  
**(51)** Int. Cl.  
**B65G 47/86** ( 2006.01 )  
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**B67C 7/00** ( 2006.01 )  
**B67C 3/26** ( 2006.01 )  
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**(54)** Package room systems and methods  
**(51)** Int. Cl.  
**B65G 1/04** ( 2006.01 )  
**G01S 5/00** ( 2006.01 )  
**G05B 23/02** ( 2006.01 )  
**G06Q 10/08** ( 2012.01 )  
**G08B 1/08** ( 2006.01 )  
**G08B 23/00** ( 2006.01 )  
**G08C 21/00** ( 2006.01 )  
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**(51)** Int. Cl.  
**A61K 47/69** ( 2017.01 )  
**A61K 9/10** ( 2006.01 )  
**A61K 9/14** ( 2006.01 )  
**A61K 9/19** ( 2006.01 )  
**A61K 47/32** ( 2006.01 )  
**A61K 47/34** ( 2017.01 )  
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**A61K 47/54** ( 2017.01 )  
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**(54)** Water Heater  
**(51)** Int. Cl.  
**F24H 9/20** ( 2006.01 )  
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**(43)** 07.12.2017  
**(44)** 04.08.2022  
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**(54)** Automated data tokenization through networked sensors  
**(51)** Int. Cl.  
**G06Q 20/32** ( 2012.01 )  
**G06Q 20/40** ( 2012.01 )  
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**(74)** FPA Patent Attorneys Pty Ltd
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**(54)** Processing sensitive information over VoIP  
**(51)** Int. Cl.  
**H04M 7/00** ( 2006.01 )  
**H04L 65/10** ( 2022.01 )  
**H04L 65/1046** ( 2022.01 )  
**H04L 65/1069** ( 2022.01 )  
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**(74)** A.P.T. Patent and Trade Mark Attorneys
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**(21)** 2019265404 **(22)** 09.05.2019  
**(54)** Main-group metal complex, preparation method for same, and applications thereof  
**(51)** Int. Cl.  
**C07F 7/30** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07F 5/00** ( 2006.01 )  
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**(54)** Analyte sensor  
**(51)** Int. Cl.  
**G01N 27/327** ( 2006.01 )  
**A61B 5/1486** ( 2006.01 )  
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**C12Q 1/00** ( 2006.01 )  
**A61B 5/145** ( 2006.01 )  
**(87)** WO2017/196610  
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**(44)** 04.08.2022  
**(72)** Shah, Rajiv; Liang, Bradley; Wolfe, Katherine; Messer, Ellen; Pendo, Shaun  
**(74)** AJ PARK
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- (71)** Plate Properties Pty Ltd  
**(11)** AU-B-2017235967  
**(21)** 2017235967 **(22)** 28.09.2017  
**(54)** Computer System Configured for Issuing a Personalised Vehicle Number Plate  
**(51)** Int. Cl.  
**G06F 7/06** ( 2006.01 )  
**G06Q 50/26** ( 2012.01 )  
**G06Q 50/30** ( 2012.01 )  
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**(74)** Clark Intellectual Property Pty Ltd

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 (21) 2017302552 (22) 25.07.2017  
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 (54) Systems and methods for adaptive proper name entity recognition and understanding  
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**G10L 15/02** ( 2006.01 )  
**G01C 21/36** ( 2006.01 )  
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 (54) Spinal implant and methods of using the same  
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**A61B 17/70** ( 2006.01 )  
**A61B 17/86** ( 2006.01 )  
**A61B 17/88** ( 2006.01 )  
**A61F 2/28** ( 2006.01 )  
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**H03K 3/02** ( 2006.01 )  
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**H03K 5/01** ( 2006.01 )  
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**A47C 21/02** ( 2006.01 )  
**A47C 31/10** ( 2006.01 )  
**A61F 5/48** ( 2006.01 )  
**A61F 13/15** ( 2006.01 )  
**A61G 7/05** ( 2006.01 )  
**A47C 31/00** ( 2006.01 )  
**A47G 9/00** ( 2006.01 )  
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 (72) Samaan, Ibrahim  
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 (51) Int. Cl.  
**C11C 3/02** ( 2006.01 )  
**C11C 1/04** ( 2006.01 )  
**C11C 1/10** ( 2006.01 )  
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**H04L 1/16** ( 2006.01 )  
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 (54) System information monitoring  
 (51) Int. Cl.  
**H04W 48/12** ( 2009.01 )  
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**G01S 5/14** ( 2006.01 )  
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 (51) Int. Cl.  
     **B67D 1/12** ( 2006.01 )  
     **B67D 1/04** ( 2006.01 )  
     **B67D 1/08** ( 2006.01 )  
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 (51) Int. Cl.  
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G06F 40/30 ( 2020.01 )  
G06N 7/00 ( 2006.01 )  
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(72) Song, Dezhao; Schilder, Frank  
(74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

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(21) 2019235398

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(71) thyssenkrupp Industrial Solutions AG; thyssenkrupp AG  
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(54) Holding assembly of an excavator tooth, having a holder, for arranging on the bucket of a bucket-wheel excavator  
(51) Int. Cl.  
E02F 9/28 ( 2006.01 )  
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**(54)** ELECTRICAL POWER DELIVERY SYSTEM AND MOUNTING SYSTEM THEREOF  
**(51)** Int. Cl.  
*H02B 1/04* ( 2006.01 )  
*H02B 1/32* ( 2006.01 )  
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**(74)** Phillips Ormonde Fitzpatrick

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**(11)** AU-B-2021201025  
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**(54)** ENGINE MIXING STRUCTURES  
**(51)** Int. Cl.  
*B01F 23/00* ( 2022.01 )  
*B01F 25/00* ( 2022.01 )  
*F02B 3/06* ( 2006.01 )  
*F02B 23/06* ( 2006.01 )

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**(43)** 09.09.2021  
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**(72)** Gubba, Sreenivasa Rao; Tamma, Bhaskar; Salazar, Victor Manuel; Klingbell, Adam Edgar; Lavertu, Thomas Michael; Primus, Roy James; Dowell, John; Bailey, Kevin; McElhaney, Kevin  
**(74)** Phillips Ormonde Fitzpatrick

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**(51)** Int. Cl.  
*C07D 311/74* ( 2006.01 )  
*A61K 36/185* ( 2006.01 )  
*A61K 47/44* ( 2017.01 )  
*A61P 3/02* ( 2006.01 )  
**(87)** WO2018/209425  
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**(74)** Baxter Patent Attorneys Pty Ltd

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**(11)** AU-B-2020281148  
**(21)** 2020281148 **(22)** 04.12.2020  
**(54)** Oscillating positive expiratory pressure device  
**(51)** Int. Cl.  
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*A61M 16/20* ( 2006.01 )  
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**(72)** MEYER, Adam; KOPALA, Raphael; DOBSON, Chris; SCHMIDT, James; ALIZOTI, Neritan  
**(74)** Spruson & Ferguson

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**(71)** University of Florida Research Foundation, Incorporated  
**(11)** AU-B-2017246643  
**(21)** 2017246643 **(22)** 04.04.2017  
**(54)** Manipulation of eIF3 to modulate repeat associated non-ATG (RAN) translation  
**(51)** Int. Cl.  
*C12Q 1/68* ( 2006.01 )  
*C07K 14/47* ( 2006.01 )  
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*G01N 33/68* ( 2006.01 )

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**(43)** 12.10.2017  
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**(74)** Pizzseys Patent and Trade Mark Attorneys Pty Ltd

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**(71)** University of Pittsburgh-Of The Commonwealth System of Higher Education  
**(11)** AU-B-2017207015  
**(21)** 2017207015 **(22)** 13.01.2017  
**(54)** Vascular extracellular matrix hydrogel  
**(51)** Int. Cl.  
*C12N 5/077* ( 2010.01 )  
*A61K 35/12* ( 2006.01 )  
*A61L 27/36* ( 2006.01 )  
*C07K 14/745* ( 2006.01 )  
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**(43)** 20.07.2017  
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**University of Science and Technology of China see Huawei Technologies Co., Ltd.**  
**(21)** 2021212103

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**(21)** 2021212122

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**(51)** Int. Cl.  
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*A01N 37/50* ( 2006.01 )  
*A01N 43/50* ( 2006.01 )  
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*A01P 3/00* ( 2006.01 )

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**(74)** Churchill Attorneys

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**(21)** 2018268173

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**(71)** Vervaeke-Belavi  
**(11)** AU-B-2017263272  
**(21)** 2017263272 **(22)** 10.05.2017  
**(54)** Method for transferring pre-incubated eggs to a poultry house and transfer machine used therewith  
**(51)** Int. Cl.  
*A01K 31/19* ( 2006.01 )  
*A01K 41/00* ( 2006.01 )  
*A01K 43/00* ( 2006.01 )  
*A01K 45/00* ( 2006.01 )

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**(72)** Vervaeke, Steven  
**(74)** Madderns Pty Ltd

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**(71)** Vetco Gray Scandinavia AS  
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**(21)** 2019363012 **(22)** 15.10.2019  
**(54)** Misalignment accommodating hydraulic coupler  
**(51)** Int. Cl.  
*F16L 37/35* ( 2006.01 )  
*F16L 37/52* ( 2006.01 )  
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**(31)** 20181340 **(32)** 19.10.18 **(33)** NO  
**(43)** 23.04.2020  
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**(72)** RAAD, Erik  
**(74)** Phillips Ormonde Fitzpatrick

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**(11)** AU-B-2019215122

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 (21) 2017295598 (22) 06.07.2017  
 (54) Dental furnace  
 (51) Int. Cl.  
*A61C 13/20* ( 2006.01 )  
*F27B 17/02* ( 2006.01 )  
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 (31) 10 2016 008 463.4 (32) 12.07.16 (33) DE  
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*H04W 72/12* ( 2009.01 )  
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 (72) WU, Yumin  
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(71) Vivo Mobile Communication Co., Ltd.  
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 (21) 2019348064 (22) 27.09.2019  
 (54) Method for Processing Terminal Device Capability Information, Terminal Device, and Network-Side Device  
 (51) Int. Cl.  
*H04W 28/06* ( 2009.01 )  
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(71) Vivo Mobile Communication Co., Ltd.  
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 (21) 2019393095 (22) 12.11.2019  
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 (51) Int. Cl.  
*H01R 12/71* ( 2011.01 )  
*H01R 13/502* ( 2006.01 )  
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*H01R 27/00* ( 2006.01 )  
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 (51) Int. Cl.  
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 (54) Methods of treating or alleviating mental disorders and associated symptoms  
 (51) Int. Cl.  
*A61K 31/201* ( 2006.01 )  
*A61P 25/22* ( 2006.01 )  
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 (51) Int. Cl.  
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*G07F 17/12* ( 2006.01 )  
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(71) White Buffalo, Inc.  
 (11) AU-B-2020264312  
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 (54) Animal trap  
 (51) Int. Cl.  
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 (54) Compound used as autophagy regulator, and preparation method therefor and uses thereof  
 (51) Int. Cl.  
*C07D 295/088* ( 2006.01 )  
*C07C 49/563* ( 2006.01 )  
*C07C 49/567* ( 2006.01 )  
*C07C 49/573* ( 2006.01 )  
*C07C 49/577* ( 2006.01 )  
*C07D 209/04* ( 2006.01 )  
*C07D 213/16* ( 2006.01 )  
*C07D 231/56* ( 2006.01 )  
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 (74) WRAYS PTY LTD

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 (21) 2019355996

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 (21) 2019355996

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 (11) AU-B-2019254655  
 (21) 2019254655 (22) 18.04.2019  
 (54) Baby stroller with a folding mechanism triggered by a child carrier  
 (51) Int. Cl.  
     **B62B 7/06** ( 2006.01 )  
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 (72) ZHONG, Zhi-Ren  
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(71) Woodland Mills Inc.  
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 (54) Flywheel and paddle assembly for a chipping or shredding apparatus, and an apparatus incorporating same  
 (51) Int. Cl.  
     **B02C 18/24** ( 2006.01 )  
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     **B27L 11/00** ( 2006.01 )  
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 (74) Phillips Ormonde Fitzpatrick

(71) Wright Medical Technology, Inc.  
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 (54) Preparing a tibia for receiving tibial implant component of a replacement ankle  
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     **A61F 2/42** ( 2006.01 )  
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 (54) Method for identifying snoring  
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     **F04B 47/02** ( 2006.01 )  
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     **F04D 13/08** ( 2006.01 )  
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 (51) Int. Cl.  
     **A61K 9/50** ( 2006.01 )  
     **A61K 9/28** ( 2006.01 )  
     **A61K 31/215** ( 2006.01 )  
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 (21) 2019355996

(71) Zastrow, F.  
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 (21) 2017348872 (22) 19.09.2017  
 (54) Surgical instrument  
 (51) Int. Cl.  
     **A61C 3/02** ( 2006.01 )  
     **A61B 17/16** ( 2006.01 )  
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(71) Zhejiang Yat Electrical Appliance Co., Ltd  
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 (54) Route planning method for mobile vehicle  
 (51) Int. Cl.  
     **G01C 21/20** ( 2006.01 )  
     **G05D 1/02** ( 2006.01 )  
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 (74) Michael Buck IP

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 (51) Int. Cl.  
     **H04W 72/12** ( 2009.01 )  
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 (72) SHI, Xiaojuan; HUANG, He; LIU, Jing  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd



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2016262757	Azuma Design Pty Limited	2017260251	Texas Medical Center
2016266056	Paloma Co., Ltd	2017263234	PercuSense
2016281649	The Regents of the University of California	2017263272	Vervaeke-Belavi
2016283344	JCR Pharmaceuticals Co., Ltd.	2017266310	De' Longhi Appliances S.r.l. Con Unico Socio
2016287499	Caris Science, Inc.	2017267094	Xylem IP Management S.à r.l.
2016294417	Immunext, Inc.	2017268026	Myriota Pty Ltd
2016297631	Asuragen, Inc.	2017268183	Gojo Industries, Inc.
2016298048	Cepheid	2017270864	Beijing Gushen Life Health Technology Co., Ltd; Institute of Materia Medica, Chinese Academy of Medical Sciences
2016298326	Gradiant Corporation		
2016302237	The United States of America, as represented by The Secretary Department of Health and Human Services	2017271019	Flexinnova Kft
		2017271204	Bluedrop Medical Ltd
2016302335	The Trustees of The University of Pennsylvania	2017272602	AB Ludvig Svensson
2016314895	Baoshan Iron & Steel Co., Ltd.	2017273561	Abiomed, Inc.
2016314896	Baoshan Iron & Steel Co., Ltd.	2017275756	Qualflow Systems Limited
2016315796	Boehringer Ingelheim Vetmedica GmbH; Iowa State University Research Foundation, Inc.	2017277712	Global Tel*Link Corporation
		2017277892	Carson, A.
2016342374	Lyndra Therapeutics, Inc.	2017282153	Genesis Technologies Limited
2016343809	Aleta Biotherapeutics Inc.	2017286523	Johnson & Johnson Consumer Inc.
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2016351301	Nutrition DNA Pty Ltd		
2016354677	Playground XYZ IP Pty Ltd	2017287997	Sumitomo Pharma Co., Ltd.; Healios K.K.
2016357087	FUJIFILM Irvine Scientific, Inc.	2017289723	LumiraDx UK Ltd
2016358613	Rhodia Operations	2017290589	Providence Medical Technology, Inc.
2016361579	Incept, LLC	2017291820	GreenTech Ventures, Inc.
2016362578	North Carolina State University	2017292642	Avent, Inc.
2016364670	Wah Chin Boon	2017295598	Vita Zahnfabrik H. Rauter GmbH & Co. KG
2016366192	Lyndra Therapeutics, Inc.	2017298227	Ideal Perceptions LLC
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2016388308	TheraVida, Inc.		
2016425425	Kimberly-Clark Worldwide, Inc.	2017300912	Fisher & Paykel Healthcare Limited
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		2017306692	Arrowhead Pharmaceuticals, Inc.
2017207806	Nortic Holdings Inc.	2017306711	Sanofi Pasteur, Inc.; SK Bioscience Co., Ltd.
2017208707	IP & IT Pty Ltd	2017310401	IDAC Holdings, Inc.
2017211411	Joy Global Underground Mining LLC	2017311220	C.R. Bard, Inc.
2017215877	Suntory Holdings Limited	2017318685	InspIRx, Inc.; The Research Foundation for The State University of New York
2017216250	Monash University		
2017218112	HTG Molecular Diagnostics, Inc.	2017323485	Speir Hunter Ltd
2017218431	RGene, Inc.	2017326016	Savant Systems, Inc.
2017218453	DYWIDAG-Systems International Pty Limited	2017326303	Maschinenfabrik Reinhausen GmbH
2017218523	The Board of Regents of The University of Texas System	2017326987	Promptu Systems Corporation
		2017332217	Robel Bahnbaumaschinen GmbH
2017219153	Schneider Electric Industries SAS	2017336363	Myovant Sciences GmbH; Takeda Pharmaceutical Company Limited
2017220375	Clik Tile System Pty Ltd		
2017222606	The Chemours Company FC, LLC	2017337124	Magic Leap, Inc.
2017226911	Société des Produits Nestlé S.A.	2017339274	Mohare, P.; Khopkar, R.
2017232219	RAIL VISION EUROPE LTD	2017340675	Hensoldt Sensors GmbH
2017232344	Lucira Health, Inc.	2017344757	Spookfish Innovations Pty Ltd
2017233581	AuXin Surgery SA	2017348872	Zastrow, F.
2017234654	Younger Mfg. Co dba Younger Optics	2017350498	Kempell, D.; White, M.
2017235967	Plate Properties Pty Ltd	2017350714	Hill-Rom Services, Inc.; Zhao, C.; Lu, L.
2017237095	Johnson & Johnson Surgical Vision, Inc.	2017351657	Chr. Hansen HMO GmbH
2017238667	Svejkovsky, K.S.; Svejkovsky, P.B.	2017353962	UPL Ltd
2017239156	Silent Shade Pty Ltd	2017355023	Gree Electric Appliances, Inc. of Zhuhai
2017239490	OCULOGICA INC	2017355827	Sharp Kabushiki Kaisha; FG Innovation Company Limited
2017243936	Electrolux Appliances Aktiebolag		
2017244287	Electrical Subsea & Drilling	2017356172	AXET S.R.L.
2017246643	University of Florida Research Foundation, Incorporated	2017359960	Biocompatibility Innovation Srl
		2017360365	Duke University
2017248756	The Trustees of the University of Pennsylvania; Thomas Jefferson University	2017374750	BAE Systems plc
		2017378300	The Secretary of State for Defence
2017250110	Package Solutions, Inc.	2017382800	The Climate Corporation
2017254793	Sociedad de Inversiones y Rentas Tricao S.p.A.		

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2017389285	JNC Corporation	2019254655	Wonderland Switzerland AG
2017397415	C. R. Bard, Inc.	2019257184	Qualcomm Incorporated
2017398398	Halliburton Energy Services, Inc.	2019265404	Peking University
2017400555	Halliburton Energy Services, Inc.	2019269881	Fertin Pharma A/S
2017416525	Halliburton Energy Services, Inc.	2019275633	Infosys Limited
2017417951	Heat and Control, Inc.	2019278049	Zhejiang Yat Electrical Appliance Co., Ltd
2017420106	Simmel Difesa S.p.A.	2019278632	ENEOS Corporation
2017421181	Razer (Asia-Pacific) Pte. Ltd.	2019283484	Samsung Electronics Co., Ltd.
2017434038	Halliburton Energy Services, Inc.	2019283782	W.L. GORE & ASSOCIATES, INC.
2017443976	Halliburton Energy Services, Inc.	2019285565	Kraft Foods Schweiz Holding GmbH
2018205764	GSG Technology Ltd	2019289392	Vivo Mobile Communication Co., Ltd.
2018205779	Qualcomm Incorporated	2019290163	Merck Sharp & Dohme LLC.
2018208325	NTT DOCOMO, INC.	2019290523	Graphic Packaging International, LLC
2018208673	KelSie Biotech Corporation	2019292383	LG Electronics Inc.
2018214675	Thomson Reuters Enterprise Centre GmbH	2019297033	Aliaxis Research & Technology
2018223227	Sewell Power Transfer Pty Ltd	2019297036	Aliaxis Research & Technology
2018225148	Encore Medical, L.P. (d/b/a DJO Surgical)	2019297225	Liu, S.
2018227883	Takeda Pharmaceutical Company Limited	2019297328	Boston Scientific Neuromodulation Corporation
2018229148	Auckland UniServices Limited; Guangzhou Institute of Biomedicine and Health	2019298610	JE International Corporation
2018237123	Suzhou Baijibugong Pharmaceutical Technology Co. Ltd.; Liao, X.	2019302422	Codexis, Inc.
2018242408	Noile-Immune Biotech, Inc.	2019308262	W. L. Gore & Associates, Inc.
2018250552	Sierra Oncology, Inc.	2019309171	Fronius International GmbH
2018253281	Bayer CropScience LP	2019311751	Raytheon Company
2018255501	QuintessenceLabs Pty Ltd.	2019318553	Great Plains Manufacturing, Inc.
2018256285	National University of Singapore; University of Mysore; Bangalore University	2019322554	Medela Holding AG
2018257199	Sharp Kabushiki Kaisha; FG Innovation Company Limited	2019327637	Renk GmbH
2018258663	Seagen Inc.	2019328154	Shenzhen Bo Li Jian Medicine Co., Ltd.
2018267696	Audioplay Australia Pty Ltd	2019331419	Techtronic Floor Care Technology Limited
2018267709	Tresvertol Inc.	2019338014	MICRO-TECH (NANJING) CO., LTD.
2018268173	River Stone Biotech ApS; Van Wiltenburg, J.; Santella, M.	2019339406	The University of Massachusetts
2018268566	Wei, T.; Huang, B.; Wu, H.	2019343825	Mitsui Chemicals, Inc.
2018271285	Cerocchi, D.	2019348064	Vivo Mobile Communication Co., Ltd.
2018274378	Wigen Biomedicine Technology (Shanghai) Co., Ltd.	2019351599	Robel Bahnbaumaschinen GmbH
2018283331	Bayer Aktiengesellschaft; Bayer Pharma Aktiengesellschaft	2019351926	CMR Surgical Limited
2018288198	Sphere Fluidics Limited	2019352910	Woodland Mills Inc.
2018300036	Linde Aktiengesellschaft	2019355996	Harsco Technologies LLC; Zampini, M.; Wiggins, J.; Strohfeltd, W.; Hartung, W.; Negri, M.; Hart, D.; Taylor, Z.; Williams, D.
2018303104	Curigin Co.,Ltd.	2019358117	Rheinmetall Waffe Munition GmbH
2018305644	LTS Lohmann Therapie-Systeme AG	2019358428	Palacky University Olomouc
2018306315	Solstice Equity Partners, Inc.	2019363012	Vetco Gray Scandinavia AS
2018306532	Bticino S.p.A.	2019372640	Chia Tai Tianqing Pharmaceutical Group Co., Ltd.
2018320213	Chevron U.S.A. Inc.	2019376754	Huawei Technologies Co., Ltd.
2018322801	Dentsply DeTrey GmbH	2019377099	Citrix Systems, Inc.
2018325894	Hokko Chemical Industry Co., Ltd.	2019382082	Siemens Energy Global GmbH & Co. KG
2018338769	SICPA HOLDING SA	2019382443	Amicro Semiconductor Co., Ltd.
2018349164	PCI-Pal (U.K.) Limited	2019384023	Baker Hughes Holdings LLC
2018350558	Solenis Technologies Cayman, L.P.	2019385031	Asahi Kasei Kabushiki Kaisha
2018350919	Adtran, Inc.	2019386760	Guangzhou Xaircraft Technology Co., Ltd.
2018359358	Centro de Inmunología Molecular	2019387506	SightGlass Vision, Inc.
2018375402	Houghton Technical Corp.	2019389601	Alfa Laval Corporate AB
2018377863	Hearables 3D Pty Ltd	2019390365	JingAo Solar Co., Ltd.
2018379542	Oy Sda Finland Ltd	2019393045	Nippon Telegraph and Telephone Corporation
2018384824	Inovio Pharmaceuticals, Inc.	2019393095	Vivo Mobile Communication Co., Ltd.
2018391831	Harbour Biomed (Shanghai) Co., Ltd	2019393436	Nippon Telegraph and Telephone Corporation
2018401846	Qualcomm Incorporated	2019402985	Motorola Solutions, Inc.
2018451738	Colgate-Palmolive Company	2019403341	PayPal, Inc.
2018454396	Essity Hygiene and Health Aktiebolag	2019407590	GI Cell, Inc.
2019200425	Littelfuse, Inc.	2019423025	Fujitsu General Limited
2019207366	P.E. Labellers S.p.A.	2019423293	ZTE Corporation
2019210203	Qualcomm Incorporated	2019424628	Abbisko Therapeutics Co., Ltd.
2019215122	ViaSat, Inc.	2019427988	Soochow University
2019221563	Regeneron Pharmaceuticals, Inc.	2019444676	Shandong Academy of Agricultural Machinery Sciences
2019228729	Max-Planck-Gesellschaft zur Foerderung der Wissenschaften e.V.	2019465945	CORENTEC Co., Ltd.
2019235398	thyssenkrupp Industrial Solutions AG; thyssenkrupp AG	2020200133	Binmartine Pty Ltd
2019242743	ELC Management LLC	2020201242	The Trustees of the University of Pennsylvania
2019247375	Alivio Therapeutics, Inc.	2020201607	KE, S.
		2020202350	Transportation IP Holdings, LLC
		2020202826	FISHER & PAYKEL HEALTHCARE LIMITED
		2020202868	Neuronano AB
		2020202955	Runway Blue, LLC
		2020203025	Enatel Limited

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2020203067	Rani Therapeutics, LLC	2021201557	Centre National de la Recherche Scientifique
2020203149	Glaukos Corporation	2021201570	National University Of Ireland, Galway
2020203219	Dropbox, Inc.	2021201672	Digital Asset (Switzerland) GmbH
2020203442	Stryker Corporation	2021201921	Qu, H.
2020203451	Fisher & Paykel Healthcare Limited	2021202111	DRAEGER SAFETY AG & CO. KGAA
2020203748	Omeros Corporation; University of Leicester	2021202354	COMPOSECURE, LLC
2020204209	Immivira Co., Limited	2021202514	Halliburton Energy Services, Inc.
2020204427	DOSE Medical Corporation	2021202715	Google LLC
2020204523	Water Pik, Inc.	2021202891	Germon, P.
2020207774	Neurocrine Biosciences, Inc.	2021203216	Apple Inc.
2020207813	Allergan Industrie, SAS	2021203941	Edico Genome Corp.
2020210096	Novus 84 Limited	2021203955	Ab Initio Technology LLC
2020210295	4DMedical Limited	2021203976	Cabinplant International A/S
2020216682	Skretting Aquaculture Research Centre AS; Nutreco IP Assets B.V.	2021204178	Apple Inc.
2020217334	Holmes Solutions Limited Partnership	2021204507	Huawei Technologies Co., Ltd.
2020217361	Neste Oyj	2021204725	Magic Leap, Inc.
2020223502	Aesculap AG	2021206901	LG Electronics Inc.
2020223666	LG Electronics Inc.	2021207594	Lockheed Martin Corporation
2020224197	Huawei Technologies Co., Ltd.	2021212103	Huawei Technologies Co., Ltd.; University of Science and Technology of China
2020227053	Brien Holden Vision Institute Limited	2021212122	Huawei Technologies Co., Ltd.; University of Science and Technology of China
2020227131	Katholieke Universiteit Leuven	2021215138	Huawei Technologies Co., Ltd.
2020230337	AMSL Innovations Pty Ltd	2021218078	Chemcon S.A.; Givaudan S.A.
2020233623	Juno Therapeutics, Inc.	2021221404	Purifas Holdings Pty Ltd
2020233653	Citrix Systems, Inc.	2021232688	iotaMotion, Inc.
2020239662	Massachusetts Institute of Technology	2021232764	SRG Global IP Pty Ltd
2020239784	Sonos, Inc.	2021250994	Howmedica Osteonics Corp.
2020244382	Epizyme, Inc.	2021346301	Galaxy Resources Limited
2020244538	Apple Inc.	2021363109	Shandong University
2020244539	Apple Inc.	2022201561	Apple Inc.
2020246313	GenFleet Therapeutics (Shanghai) Inc.; Zhejiang Gen-Fleet Therapeutics Co., Ltd.	2022202221	Metrix Group Pty Ltd
2020250250	Fisher & Paykel Healthcare Limited	2022202490	SYSTEMS Pty Ltd
2020250309	Alkermes Pharma Ireland Limited		
2020254391	Ranpak Corp.		
2020256362	Lion Group, Inc.		
2020256459	Norotos, Inc.		
2020257123	Novartis AG		
2020260541	LG ELECTRONICS INC.		
2020264312	White Buffalo, Inc.		
2020264383	Snap-on Incorporated		
2020281053	Chiasma Inc.		
2020281106	AMO Development, LLC		
2020281148	Trudell Medical International		
2020283377	Wright Medical Technology, Inc.		
2020284514	Centrality Investments Limited		
2020286215	The Children's Hospital of Philadelphia		
2020286245	Equinox Ophthalmic, Inc.		
2020286324	Alcon Inc.		
2020294204	Colgate-Palmolive Company		
2020294342	Field Joint Coatings Pty Ltd		
2020294362	Google LLC		
2020295628	International Business Machines Corporation		
2020303728	Terra CO2 Technology Holdings, Inc.		
2020313911	The Glad Products Company		
2020321911	Intuit Inc.		
2020404858	Brentwood Industries, Inc.		
2021200286	Pulse Biosciences, Inc.		
2021200314	Otsuka America Pharmaceutical, Inc.		
2021200315	Silixa Limited		
2021200345	Janssen Pharmaceutica NV		
2021200450	INCYTE HOLDINGS CORPORATION		
2021200701	NEC Corporation		
2021200944	Becton, Dickinson and Company		
2021200969	The University of Kansas		
2021201025	Transportation IP Holdings, LLC		
2021201112	Commonwealth Scientific and Industrial Research Organisation		
2021201241	National University of Singapore		
2021201386	Gilead Sciences, Inc.		
2021201511	BOE Technology Group Co., Ltd.		
2021201522	Hill-Rom Services, Inc.		

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<b><u>A01B 43 /-</u></b>	2020286215	<b><u>A42C 2 /-</u></b>	2019351926		2016294417
2019444676	<b><u>A01N 37 /-</u></b>	2021202111	2021232688	<b><u>A61G 10 /-</u></b>	2016302335
<b><u>A01C 1 /-</u></b>	2017353962	<b><u>A44B 11 /-</u></b>		2020286215	2018384824
2016358613	<b><u>A01N 43 /-</u></b>	2020250250	2016343818	<b><u>A61G 11 /-</u></b>	2019290163
<b><u>A01C 15 /-</u></b>	2017353962	<b><u>A45C 13 /-</u></b>	2017260251	2020286215	2020201242
2019318553	<b><u>A01N 47 /-</u></b>	2020244538	2017271204	<b><u>A61G 7 /-</u></b>	<b><u>A61K 39 /-</u></b>
<b><u>A01C 3 /-</u></b>	2017353962	2020244539	2017287880	2017302552	2016283344
2017254793	2018325894	<b><u>A46B 15 /-</u></b>	2017350714	2019343825	2016294417
<b><u>A01C 7 /-</u></b>	<b><u>A01N 65 /-</u></b>	2020294204	2018454396	2021201522	2016302237
2017382800	2020281053	<b><u>A47C 21 /-</u></b>	2019283484	2021221404	2016315796
2019318553	<b><u>A01P 13 /-</u></b>	2021221404	2019339406		2017306711
	2018325894	<b><u>A47C 31 /-</u></b>	2019343825	<b><u>A61J 1 /-</u></b>	2017359960
<b><u>A01G 9 /-</u></b>	<b><u>A01P 3 /-</u></b>	2021221404	2020210295	2017232344	2018258663
2017272602	2017353962	<b><u>A47G 29 /-</u></b>	2020286245		2018359358
<b><u>A01H 1 /-</u></b>	<b><u>A21D 10 /-</u></b>	2016370576		<b><u>A61K 45 /-</u></b>	2018391831
2016362578	2017417951	<b><u>A47G 9 /-</u></b>	<b><u>A61B 6 /-</u></b>	2017232344	
<b><u>A01H 5 /-</u></b>	<b><u>A21D 13 /-</u></b>	2021221404	2020210295	<b><u>A61K 31 /-</u></b>	2017360365
2016362578	2017417951	<b><u>A47J 31 /-</u></b>	<b><u>A61B 8 /-</u></b>	2016222315	2021200314
<b><u>A01K 11 /-</u></b>	<b><u>A23G 1 /-</u></b>	2017226911	2020210295	2016351301	<b><u>A61K 47 /-</u></b>
2019228729	2019285565	<b><u>A47K 5 /-</u></b>	<b><u>A61C 13 /-</u></b>	2016361579	2016351301
<b><u>A01K 29 /-</u></b>	<b><u>A23K 20 /-</u></b>	2017268183	2017295598	2016364670	2016361579
2019228729	2020216682	<b><u>A47L 11 /-</u></b>	<b><u>A61C 17 /-</u></b>	2016383430	2016366192
<b><u>A01K 31 /-</u></b>	<b><u>A23K 40 /-</u></b>	2019331419	<b><u>A61C 3 /-</u></b>	2016388308	2017287997
2017263272	2020216682	2019382443	<b><u>A61C 8 /-</u></b>	2017207806	2018267709
<b><u>A01K 41 /-</u></b>	<b><u>A23K 50 /-</u></b>	<b><u>A47L 5 /-</u></b>	2017348872	2017233581	2019358428
2017263272	2020216682	2019331419	<b><u>A61C 17 /-</u></b>	2017270864	2019407590
<b><u>A01K 43 /-</u></b>	<b><u>A23L 33 /-</u></b>	<b><u>A47L 9 /-</u></b>	2020204523	2017336363	2020281053
2017263272	2017359960	2019331419	<b><u>A61C 3 /-</u></b>	2017360365	<b><u>A61K 48 /-</u></b>
<b><u>A01K 45 /-</u></b>	<b><u>A23L 5 /-</u></b>	<b><u>A61B 17 /-</u></b>	<b><u>A61C 8 /-</u></b>	2018229148	2017301600
2017263272	2017359960	2017233581	<b><u>A61C 13 /-</u></b>	2018237123	2017306692
<b><u>A01K 67 /-</u></b>	<b><u>A23L 7 /-</u></b>	2017290589	<b><u>A61F 13 /-</u></b>	2018250552	2020201242
2017287880	2017417951	2017397415	2018454396	2018256285	2020204209
2020227131	<b><u>A24D 1 /-</u></b>	2018225148	2021221404	2018258663	<b><u>A61K 49 /-</u></b>
<b><u>A01K 87 /-</u></b>	2016362578	2019465945	<b><u>A61F 15 /-</u></b>	2018283331	2020227131
2017257398	<b><u>A42B 3 /-</u></b>	2020204427	<b><u>A61F 2 /-</u></b>	2018303104	<b><u>A61K 6 /-</u></b>
<b><u>A01M 23 /-</u></b>	2020256459	2020283377	2018305644	2019247375	2018322801
2020264312	2021202111	2021201570	<b><u>A61F 5 /-</u></b>	2019328154	<b><u>A61K 8 /-</u></b>
<b><u>A01N 1 /-</u></b>		2021232688	2017237095	2019372640	2017286523
		2021250994	2017290589	2020207774	2018451738
			2017397415	2020244382	2019242743
			2018225148	2020246313	
			2019465945	2020250309	
			2020204427	2021200314	
			2020283377	2021200345	
			2021201570	2021200450	
			2021232688	2021201386	
			2021250994	2021201557	
				<b><u>A61K 35 /-</u></b>	<b><u>A61K 9 /-</u></b>
				2016287499	2016342374
				2017207015	2016361579
				2017287997	2016366192
				2018242408	2016383430
				2020201242	2017207806
				2020227131	2017233581
				<b><u>A61K 36 /-</u></b>	2017270864
				2018267709	2018208673
				<b><u>A61K 38 /-</u></b>	2019247375
				2016281649	2019269881
				2016283344	2019358428
					2019407590
					2020203067
					2020239662

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2020250309 2020281053	<b>A61P 11 /-</b>	<b>A61P 37 /-</b>	<b>B01F 23 /-</b>	<b>B29C 59 /-</b>	<b>B61L 25 /-</b>
<b>A61L 2 /-</b>	2018283331 2021200450	2016281649 2019328154 2020201242	2016357087 2021201025	2017271019	2018253281 2019355996
2017233581	<b>A61P 15 /-</b>	2021200450 2021201241	<b>B01F 25 /-</b>	<b>B29C 65 /-</b>	<b>B61L 27 /-</b>
<b>A61L 27 /-</b>	2017336363	<b>A61P 43 /-</b>	2021201025	2018305644 2019297033 2019297036	2019351599
2017207015 2017287997 2020207813 2020239662	<b>A61P 17 /-</b>	2016281649 2016283344	<b>B01J 2 /-</b>	<b>B29C 67 /-</b>	<b>B62B 7 /-</b>
<b>A61L 31 /-</b>	2020201242	<b>A61P 5 /-</b>	2018208673	2018305644	2019254655
2017233581 2020239662	<b>A61P 19 /-</b>	2020201242	<b>B01J 23 /-</b>	<b>B29C 70 /-</b>	<b>B62B 9 /-</b>
<b>A61M 1 /-</b>	2020201242	<b>A61P 7 /-</b>	2017216250	2017271019	2019254655
2017300847 2019322554 2020203442	<b>A61P 21 /-</b>	2020201242	<b>B01J 35 /-</b>	<b>B29D 7 /-</b>	<b>B64C 27 /-</b>
<b>A61M 11 /-</b>	2020201242	<b>A61P 9 /-</b>	2017216250	2020313911	2020230337
2017318685	<b>A61P 25 /-</b>	2016283344 2016364670 2018283331 2020201242	<b>B01L 1 /-</b>	<b>B31D 5 /-</b>	<b>B64C 29 /-</b>
<b>A61M 15 /-</b>	2021200450 2021200969	2016283344 2017270864 2020201242 2021200450	2017282153	2020254391	2020230337
2017318685	<b>A61P 27 /-</b>	<b>A61Q 11 /-</b>	<b>B01L 3 /-</b>	<b>B31F 1 /-</b>	<b>B64C 9 /-</b>
<b>A61M 16 /-</b>	2016283344 2016361579 2017287997	2019269881	2017232344 2017289723 2018205764 2018288198	2020254391	2020230337
2017300912 2020202826 2020203451 2020250250 2020281148	<b>A61P 29 /-</b>	<b>A61Q 15 /-</b>	<b>B02C 18 /-</b>	<b>B32B 37 /-</b>	<b>B64G 1 /-</b>
<b>A61M 25 /-</b>	2019328154 2020201242	2016388308	2019352910	2018305644	2021207594
2017273561 2017311220 2021200944	<b>A61P 3 /-</b>	<b>A61Q 17 /-</b>	<b>B02C 7 /-</b>	<b>B41F 17 /-</b>	<b>B65B 35 /-</b>
<b>A61M 29 /-</b>	2018267709 2020201242	2017286523 2018451738	2019352910	2022202221	2019207366
2020203067	<b>A61P 31 /-</b>	<b>A61Q 5 /-</b>	<b>B03D 1 /-</b>	<b>B41N 99 /-</b>	<b>B65B 55 /-</b>
<b>A61M 31 /-</b>	2016315796 2018359358 2020246313 2021200450 2021201386	2019242743	2020200133	2022202221	2017215877
2016366192 2020203067	<b>A61P 3 /-</b>	<b>A62C 13 /-</b>	<b>B05B 13 /-</b>	<b>B42D 1 /-</b>	<b>B65B 9 /-</b>
<b>A61M 39 /-</b>	2021200450	2017356172	2020294342	2022202221	2018305644
2020203451 2021200944	<b>A61P 33 /-</b>	<b>A62C 33 /-</b>	<b>B05D 3 /-</b>	<b>B42D 25 /-</b>	<b>B65D 33 /-</b>
<b>A61M 5 /-</b>	2017360365 2018229148 2018242408 2018256285 2018258663 2018359358 2018391831 2019265404 2019328154 2019372640 2019424628 2020244382 2021200450	2017356172	2017303229	2018338769	2017271019 2020313911
2019283782	<b>A61P 35 /-</b>	<b>A63F 13 /-</b>	<b>B05D 5 /-</b>	<b>B60P 1 /-</b>	<b>B65D 47 /-</b>
<b>A61N 1 /-</b>	2021200450	2018267696	2017303229	2017201039	2020202955
2017248756 2019297328 2020202868	<b>A61P 37 /-</b>	<b>A63G 31 /-</b>	<b>B21D 5 /-</b>	<b>B60P 3 /-</b>	<b>B65D 71 /-</b>
<b>A61P 1 /-</b>	2017360365 2018229148 2018242408 2018256285 2018258663 2018359358 2018391831 2019265404 2019328154 2019372640 2019424628 2020244382 2021200450	2017298227	2021363109	2018271285	2019290523
2020201242	<b>B01D 21 /-</b>	<b>B01D 21 /-</b>	<b>B21F 9 /-</b>	<b>B61K 9 /-</b>	<b>B65D 75 /-</b>
	2020200133	2020200133	2017204418	2017232219	2018305644
	<b>B01D 3 /-</b>	<b>B01D 3 /-</b>	<b>B25B 25 /-</b>	<b>B61L 1 /-</b>	<b>B65D 81 /-</b>
	2016298326	2016298326	2017204418	2019351599	2020254391
	<b>B01D 33 /-</b>	<b>B01D 33 /-</b>	<b>B25H 3 /-</b>	<b>B61L 21 /-</b>	<b>B65D 88 /-</b>
	2017232344	2017232344	2020264383	2019355996	2017300017
	<b>B01D 61 /-</b>	<b>B01D 61 /-</b>	<b>B27L 11 /-</b>	<b>B61L 23 /-</b>	<b>B65D 90 /-</b>
	2016298326	2016298326	2019352910	2017232219 2018253281 2019355996	2017300017

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<b><u>B65F 3 /-</u></b>	2018300036	<b><u>C07D 231 /-</u></b>	<b><u>C07F 5 /-</u></b>	2020313911	2020233623
2020201607	<b><u>C07C 233 /-</u></b>	2018274378	2019265404	<b><u>C09K 8 /-</u></b>	<b><u>C12N 9 /-</u></b>
<b><u>B65G 1 /-</u></b>	2021200969 2021218078	<b><u>C07D 241 /-</u></b>	<b><u>C07F 7 /-</u></b>	2017434038 2017443976	2017218431 2017351657 2019290163
2017250110	<b><u>C07C 255 /-</u></b>	2018256285 2019424628	2019265404	<b><u>C10L 5 /-</u></b>	<b><u>C12P 19 /-</u></b>
<b><u>B65G 17 /-</u></b>	2021218078	<b><u>C07D 249 /-</u></b>	<b><u>C07F 9 /-</u></b>	2017254793	2017218431 2017351657 2019302422
2019297225	<b><u>C07C 319 /-</u></b>	2018325894	2021201386	<b><u>C11B 1 /-</u></b>	<b><u>C12P 7 /-</u></b>
<b><u>B65G 25 /-</u></b>	2019427988	<b><u>C07D 277 /-</u></b>	<b><u>C07H 15 /-</u></b>	2019389601	2021201921
2017238667	<b><u>C07C 323 /-</u></b>	2020246313	2021200969	<b><u>C11B 3 /-</u></b>	<b><u>C12Q 1 /-</u></b>
<b><u>B65G 27 /-</u></b>	2019427988	<b><u>C07D 295 /-</u></b>	<b><u>C07H 21 /-</u></b>	2020217361	2016287499 2016297631 2016298048 2017218112 2017246643 2017263234 2018384824 2020201242 2021201241
2017238667	<b><u>C07C 33 /-</u></b>	2018274378	2017218431 2017306692	<b><u>C11C 1 /-</u></b>	<b><u>C12R 1 /-</u></b>
<b><u>B65G 47 /-</u></b>	2021218078	<b><u>C07D 307 /-</u></b>	<b><u>C07K 14 /-</u></b>	2021201921	<b><u>C12M 1 /-</u></b>
2017238667 2019207366	<b><u>C07C 43 /-</u></b>	2021200969	2016283344 2016287499 2016343809 2017207015 2017218431 2017246643 2017301600 2018384824 2020201242	<b><u>C11C 3 /-</u></b>	<b><u>C12M 3 /-</u></b>
<b><u>B65H 20 /-</u></b>	2021218078	<b><u>C07D 309 /-</u></b>	2021200969	2021201921	<b><u>C11D 7 /-</u></b>
2018305644	<b><u>C07C 47 /-</u></b>	<b><u>C07D 311 /-</u></b>	2018267709 2021200969	2018375402	<b><u>C12M 1 /-</u></b>
<b><u>B66F 9 /-</u></b>	2021218078	<b><u>C07D 401 /-</u></b>	<b><u>C07K 16 /-</u></b>	2017232344 2017291820	<b><u>C12R 1 /-</u></b>
2017201039	<b><u>C07C 49 /-</u></b>	2018325894 2019328154	2016283344 2016343809 2017246643 2018242408 2018391831 2020203748	2017232344 2017291820	2020201242
<b><u>B67C 3 /-</u></b>	2018274378 2021218078	<b><u>C07D 403 /-</u></b>	<b><u>C07K 19 /-</u></b>	<b><u>C12M 3 /-</u></b>	<b><u>C21D 8 /-</u></b>
2017215877 2019207366	<b><u>C07C 5 /-</u></b>	2018237123 2018250552	2016283344 2016343809 2017246643 2018242408 2018391831 2020203748	2020233623	2016314896
<b><u>B67C 7 /-</u></b>	2018300036	<b><u>C07D 413 /-</u></b>	<b><u>C07K 7 /-</u></b>	<b><u>C12N 1 /-</u></b>	<b><u>C21D 9 /-</u></b>
2019207366	<b><u>C07C 57 /-</u></b>	2018237123 2018250552	2016281649 2019290163	2017351657 2020201242	2016314895
<b><u>B67D 1 /-</u></b>	2021218078	<b><u>C07D 417 /-</u></b>	<b><u>C07K 19 /-</u></b>	<b><u>C12N 15 /-</u></b>	<b><u>C22B 26 /-</u></b>
2017275756	<b><u>C07C 59 /-</u></b>	2018250552 2018325894	2016283344 2016343809 2018242408	2016283344 2016287499 2016302335 2016362578 2017218431 2017301600 2018227883 2018242408 2018303104 2018384824 2020201242 2020204209 2020233623	2021346301
<b><u>B68C 1 /-</u></b>	2021218078	<b><u>C07D 417 /-</u></b>	<b><u>C07K 7 /-</u></b>	<b><u>C12N 15 /-</u></b>	<b><u>C22B 3 /-</u></b>
2017350498	<b><u>C07C 69 /-</u></b>	2018250552 2018325894	2016281649 2019290163	2016283344 2016287499 2016302335 2016362578 2017218431 2017301600 2018227883 2018242408 2018303104 2018384824 2020201242 2020204209 2020233623	2021346301
<b><u>B82Y 10 /-</u></b>	2021218078	<b><u>C07D 471 /-</u></b>	<b><u>C08B 37 /-</u></b>	<b><u>C12N 5 /-</u></b>	<b><u>C22C 38 /-</u></b>
2020294362	<b><u>C07C 9 /-</u></b>	2018325894	2021201557	2016283344 2016343809 2017207015 2018242408 2020201242 2020204209 2020233623	2016314895 2016314896
<b><u>C01C 1 /-</u></b>	2018300036	<b><u>C07D 487 /-</u></b>	<b><u>C08F 14 /-</u></b>	<b><u>C12N 5 /-</u></b>	<b><u>C23C 14 /-</u></b>
2017216250	<b><u>C07D 209 /-</u></b>	2018229148 2018283331 2019372640 2020246313 2021200345 2021200450	2017389285	2016283344 2016343809 2017207015 2018242408 2020201242 2020227131 2020233623 2021201241	2021207594
<b><u>C01D 15 /-</u></b>	2018274378 2021200314	<b><u>C07D 471 /-</u></b>	<b><u>C08F 14 /-</u></b>	<b><u>C12N 5 /-</u></b>	<b><u>C23C 2 /-</u></b>
2021346301	<b><u>C07D 211 /-</u></b>	2018229148 2018283331 2019372640 2020246313 2021200345 2021200450	2017389285	2016283344 2016343809 2017207015 2018242408 2020201242 2020227131 2020233623 2021201241	2016314895 2016314896
<b><u>C04B 7 /-</u></b>	2018250552 2018256285 2019372640	<b><u>C07D 487 /-</u></b>	<b><u>C08F 2 /-</u></b>	<b><u>C12N 5 /-</u></b>	<b><u>C23C 30 /-</u></b>
2020303728	<b><u>C07D 213 /-</u></b>	2018229148 2018237123	2017389285	2016283344 2016343809 2017207015 2018242408 2020201242 2020227131 2020233623 2021201241	2021207594
<b><u>C06B 25 /-</u></b>	2018274378	<b><u>C07D 489 /-</u></b>	<b><u>C08G 63 /-</u></b>	<b><u>C12N 5 /-</u></b>	<b><u>C23F 3 /-</u></b>
2017420106	<b><u>C07D 215 /-</u></b>	2018268173	2019343825	2016283344 2016343809 2017207015 2018242408 2020201242 2020227131 2020233623 2021201241	2018375402
<b><u>C06B 45 /-</u></b>	2018274378	<b><u>C07D 498 /-</u></b>	<b><u>C08G 77 /-</u></b>	<b><u>C12N 7 /-</u></b>	<b><u>C23G 1 /-</u></b>
2017420106	<b><u>C07D 215 /-</u></b>	2018283331	2020286324	2020201242	2018375402
<b><u>C07C 11 /-</u></b>	2019372640	2018283331	<b><u>C08L 101 /-</u></b>		

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<b>C25B 1 /-</b>	2020201607	<b>E21D 20 /-</b>	<b>F16F 15 /-</b>	<b>F25D 11 /-</b>	2021200315
2017216250	<b>E04B 1 /-</b>	2017218453	2017277892	2020260541	<b>G01F 11 /-</b>
<b>C25B 11 /-</b>	2021232764	<b>E21D 21 /-</b>	2020217334	<b>F25D 17 /-</b>	2017268183
2017216250	<b>E04D 13 /-</b>	2017218453	<b>F16F 9 /-</b>	2020260541	<b>G01F 13 /-</b>
<b>C25B 15 /-</b>	2021202891	<b>F01K 25 /-</b>	2020217334	<b>F25D 19 /-</b>	2017268183
2019385031	<b>E04F 21 /-</b>	2017222606	<b>F16G 11 /-</b>	2019292383	<b>G01F 15 /-</b>
<b>D03D 1 /-</b>	2017220375	<b>F02B 23 /-</b>	2017204418	<b>F25D 23 /-</b>	2017268183
2018379542	<b>E04H 12 /-</b>	2021201025	2017208707	2019292383	<b>G01F 23 /-</b>
<b>D03D 15 /-</b>	2015417231	<b>F02B 3 /-</b>	2017260142	2020223666	2020200133
2018379542	2022202490	2021201025	<b>F16K 24 /-</b>	<b>F25D 29 /-</b>	<b>G01F 25 /-</b>
<b>D04H 13 /-</b>	<b>E05B 29 /-</b>	<b>F03D 80 /-</b>	2017232344	2020223666	2017268183
2016425425	<b>E05B 63 /-</b>	2019327637	<b>F16K 31 /-</b>	<b>F27B 17 /-</b>	<b>G01G 13 /-</b>
<b>D04H 17 /-</b>	2016262757	<b>F04B 23 /-</b>	2017260142	2017295598	2021203976
2016425425	<b>E05B 65 /-</b>	2020201607	2021202514	<b>F28C 1 /-</b>	<b>G01G 19 /-</b>
<b>D21H 17 /-</b>	2016262757	<b>F04B 43 /-</b>	<b>F16L 37 /-</b>	2020404858	2017271204
2018350558	<b>E06B 9 /-</b>	2017289723	2019363012	<b>F28F 3 /-</b>	2021203976
<b>D21H 23 /-</b>	2017239156	<b>F04B 47 /-</b>	<b>F16L 47 /-</b>	2020404858	<b>G01J 1 /-</b>
2018350558	<b>E21B 23 /-</b>	2017267094	2019297033	<b>F41G 3 /-</b>	2017378300
<b>D21H 25 /-</b>	2017398398	<b>F04B 49 /-</b>	2019297036	2017340675	<b>G01N 19 /-</b>
2018350558	2017400555	2017267094	<b>F16L 58 /-</b>	<b>F41H 9 /-</b>	2017382800
<b>D21H 27 /-</b>	<b>E21B 33 /-</b>	<b>F04C 13 /-</b>	2020294342	2019358117	<b>G01N 27 /-</b>
2018350558	2017244287	2020201607	<b>F16L 59 /-</b>	<b>F42B 12 /-</b>	2017263234
<b>E01B 29 /-</b>	2017398398	<b>F04D 13 /-</b>	2019292383	2021207594	2018454396
2017332217	2017400555	2017267094	<b>F17C 13 /-</b>	<b>F42B 27 /-</b>	<b>G01N 29 /-</b>
<b>E01B 31 /-</b>	2017398398	<b>F04D 25 /-</b>	2019278632	2019358117	2020200133
2017332217	2021202514	2017266310	<b>F17C 5 /-</b>	<b>F42B 39 /-</b>	<b>G01N 30 /-</b>
<b>E01C 11 /-</b>	<b>E21B 41 /-</b>	<b>F04D 29 /-</b>	2019278632	2019358117	2019221563
2021232764	2017416525	2017266310	<b>F21V 8 /-</b>	<b>F42C 9 /-</b>	<b>G01N 33 /-</b>
<b>E01F 9 /-</b>	<b>E21B 43 /-</b>	<b>F15B 1 /-</b>	2022202221	2019358117	2016281649
2015417231	2017400555	2020217334	<b>F24C 15 /-</b>	<b>G01B 3 /-</b>	2016351301
<b>E02F 9 /-</b>	2019384023	<b>F16C 17 /-</b>	2017243936	2017257398	2017218523
2019235398	<b>E21B 47 /-</b>	2019327637	<b>F24F 11 /-</b>	<b>G01C 15 /-</b>	2017246643
<b>E03F 11 /-</b>	2017416525	<b>F16C 32 /-</b>	2019423025	2018227883	2017359960
2017300017	2018223227	2017277892	<b>F24H 9 /-</b>	2018384824	2017382800
<b>E03F 5 /-</b>	2019384023	<b>F16C 33 /-</b>	2016266056	2020227131	2018227883
2017300017	<b>E21C 25 /-</b>	2019327637	<b>F24S 25 /-</b>	2021201241	2018384824
2020201607	2017211411	<b>F16C 43 /-</b>	<b>F25C 1 /-</b>	2020227131	2021201241
<b>E03F 7 /-</b>	2017211411	2019327637	2020260541	<b>G01D 5 /-</b>	2021201241
					<b>G01N 35 /-</b>
					2017282153
					<b>G01N 7 /-</b>
					2017232344
					<b>G01R 1 /-</b>

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2017219153	<u>G03H 1 /-</u>		<u>G07F 17 /-</u>	<u>H01H 9 /-</u>	<u>H02J 7 /-</u>
<u>G01R 17 /-</u>	2017298227	<u>G06K 19 /-</u>	2018268566	2017326303	2019402985
2017219153	<u>G05B 19 /-</u>	2021202354	<u>G08B 1 /-</u>	<u>H01L 27 /-</u>	<u>H02J 9 /-</u>
<u>G01S 11 /-</u>	2017355023	<u>G06K 7 /-</u>	2017250110	2017340675	2017326016
2019257184	<u>G05B 23 /-</u>	2017337124	<u>G08B 21 /-</u>	2020294362	<u>H02K 7 /-</u>
<u>G01S 17 /-</u>	2017250110	<u>G06K 9 /-</u>	2016343818	2021201511	<u>H01L 31 /-</u>
2017337124	<u>G05D 1 /-</u>	2017292642	2019343825	2019390365	<u>H02M 1 /-</u>
2017344757	2019278049	2017337124	2021201522	<u>H01L 39 /-</u>	2019382082
<u>G01S 19 /-</u>	2019382443	2017378300	<u>G08B 23 /-</u>	2020294362	<u>H02S 20 /-</u>
2017268026	<u>G05D 23 /-</u>	2020321911	2017250110	<u>H01L 41 /-</u>	2022202490
<u>G01S 3 /-</u>	2021201112	<u>G06N 10 /-</u>	2017350714	2017289723	<u>H02S 30 /-</u>
2017340675	<u>G05D 7 /-</u>	2020294362	<u>G08B 25 /-</u>	2019343825	2022202490
2017378300	2021202514	<u>G06N 3 /-</u>	2019343825	<u>H01Q 1 /-</u>	<u>H03B 19 /-</u>
2019384023	<u>G06F 1 /-</u>	2021203941	<u>G08C 21 /-</u>	2019376754	2017374750
<u>G01S 5 /-</u>	2021202715	<u>G06N 5 /-</u>	2017250110	<u>H01R 12 /-</u>	<u>H03D 7 /-</u>
2017250110	<u>G06F 11 /-</u>	2017277712	<u>G09B 19 /-</u>	2019393095	2017374750
2019228729	2019275633	<u>G06N 7 /-</u>	2020256362	<u>H01R 13 /-</u>	<u>H03K 17 /-</u>
2019257184	2021203955	<u>G06Q 10 /-</u>	<u>G09F 19 /-</u>	2019393095	2019382082
<u>G01S 7 /-</u>	<u>G06F 15 /-</u>	2017250110	2017298227	<u>H01R 25 /-</u>	<u>H03K 3 /-</u>
2017340675	2018306315	2021201112	<u>G09G 5 /-</u>	2019393095	2021200286
2017344757	<u>G06F 16 /-</u>	<u>G06Q 20 /-</u>	2017298227	2020210096	<u>H03K 5 /-</u>
<u>G01V 1 /-</u>	2019298610	2019403341	<u>G10L 15 /-</u>	<u>H01R 27 /-</u>	2021200286
2018320213	2020203219	<u>G06Q 30 /-</u>	2017326987	2019393095	<u>H04B 1 /-</u>
<u>G01V 3 /-</u>	2022201561	2016354677	<u>G16H 20 /-</u>	<u>H02B 1 /-</u>	<u>H04B 10 /-</u>
2017323485	<u>G06F 21 /-</u>	<u>G06Q 40 /-</u>	2019283484	2020202350	2018350919
<u>G01V 9 /-</u>	2018255501	2019403341	2020257123	<u>H02G 3 /-</u>	<u>H04B 7 /-</u>
2019343825	2019377099	<u>G06Q 50 /-</u>	2020257123	2018306532	2019386760
<u>G02B 1 /-</u>	2020233653	2017235967	<u>H01F 1 /-</u>	2020210096	<u>H04J 14 /-</u>
2020286324	2020257123	<u>G06T 11 /-</u>	2020295628	2020210096	2018350919
<u>G02B 23 /-</u>	2021201672	2021203216	<u>H01F 27 /-</u>	<u>H02H 11 /-</u>	<u>H04J 3 /-</u>
2020256459	<u>G06F 3 /-</u>	<u>G06T 15 /-</u>	2017219153	2019200425	2018350919
2019343825	2017337124	2021204725	<u>H01F 29 /-</u>	<u>H02J 13 /-</u>	<u>H04L 1 /-</u>
<u>G02B 1 /-</u>	2017421181	<u>G06T 3 /-</u>	2017326303	2019309171	2018401846
2020286324	2020224197	<u>G06T 7 /-</u>	<u>H01F 3 /-</u>	<u>H02J 3 /-</u>	<u>H04L 12 /-</u>
<u>G02B 26 /-</u>	2021203216	2019311751	2020295628	2017326016	2020239784
2020286324	2021204178	<u>G06T 3 /-</u>	<u>H01F 41 /-</u>	2019309171	<u>H04L 45 /-</u>
<u>G02B 23 /-</u>	<u>G06F 30 /-</u>	2019311751	2020295628	2020203025	2017416525
2020256459	2017337124	<u>G06T 7 /-</u>	<u>H01H 3 /-</u>	2017416525	2019393045
<u>G02B 26 /-</u>	2017421181	2017337124	2017421181	2019393436	2019393436
2017298227	2020224197	2018377863			
<u>G02B 6 /-</u>	2021203216	2019311751			
2017298227	2021204178	2021204725			
<u>G02B 6 /-</u>	<u>G06F 40 /-</u>	<u>G06T 7 /-</u>			
2022202221	2018377863	2019311751			
<u>G02C 7 /-</u>	<u>G06F 40 /-</u>	<u>G06T 7 /-</u>			
2017234654	2018214675	2017337124			
2017237095	<u>G06F 7 /-</u>	2018377863			
2019387506	2017235967	2019311751			
2020227053	<u>G06F 9 /-</u>	2021204725			
<u>G03B 25 /-</u>	2021203216	<u>G06V 40 /-</u>			
2022202221	2021203216	2017292642			



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	2020244539
<b><u>H04L 47 /-</u></b>	<b><u>H04W 48 /-</u></b>
2019393045	
2019393436	2019210203
<b><u>H04L 5 /-</u></b>	<b><u>H04W 56 /-</u></b>
2017310401	2018257199
<b><u>H04L 65 /-</u></b>	<b><u>H04W 60 /-</u></b>
2018349164	2017355827
<b><u>H04L 9 /-</u></b>	<b><u>H04W 72 /-</u></b>
2018255501	2018208325
2020233653	2018257199
2020284514	2019289392
	2019423293
<b><u>H04M 1 /-</u></b>	2021200701
2020244538	2021215138
2020244539	<b><u>H04W 76 /-</u></b>
<b><u>H04M 7 /-</u></b>	2021204507
2018349164	<b><u>H04W 8 /-</u></b>
<b><u>H04N 13 /-</u></b>	2021200701
2022202221	<b><u>H04W 80 /-</u></b>
<b><u>H04N 19 /-</u></b>	2021200701
2018205779	<b><u>H04W 84 /-</u></b>
2021206901	2019228729
2021212103	
2021212122	<b><u>H04W 88 /-</u></b>
<b><u>H04N 21 /-</u></b>	2020244538
2020239784	2020244539
<b><u>H04N 5 /-</u></b>	<b><u>H04W 92 /-</u></b>
2017337124	2020244538
	2020244539
<b><u>H04R 1 /-</u></b>	
2017339274	
<b><u>H04R 3 /-</u></b>	
2017339274	
<b><u>H04R 9 /-</u></b>	
2017339274	
<b><u>H04W 16 /-</u></b>	
2021200701	
<b><u>H04W 28 /-</u></b>	
2019348064	
<b><u>H04W 36 /-</u></b>	
2021204507	
<b><u>H04W 4 /-</u></b>	
2017268026	
2020244538	

**Certified Innovation Patents**

**Name Index**

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

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(71) Cruel Sea Technologies Pty Ltd  
 (11) AU-B-2021103456  
 (21) 2021103456 (22) 18.06.2021  
 (54) Wear resistant fertiliser boot  
 (51) Int. Cl.  
     **A01C 7/06** ( 2006.01 )  
     **A01C 5/06** ( 2006.01 )  
     **A01C 15/00** ( 2006.01 )  
 (45) 04.08.2022  
 (72) Auldist, Jack Michael  
 (74) Armour IP Pty Ltd

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(71) Cruel Sea Technologies Pty Ltd  
 (11) AU-B-2021105166  
 (21) 2021105166 (22) 09.08.2021  
 (54) Knife/blade holder for agricultural machine  
 (51) Int. Cl.  
     **A01B 15/06** ( 2006.01 )  
     **A01B 15/02** ( 2006.01 )  
     **A01C 5/06** ( 2006.01 )  
 (31) 2021900590 (32) 03.03.21 (33) AU  
 (45) 04.08.2022  
 (72) Auldist, Jack  
 (74) Armour IP Pty Ltd

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(71) HITIQ LIMITED  
 (11) AU-B-2021107529  
 (21) 2021107529 (22) 30.08.2021  
 (54) TECHNOLOGY ADAPTED FOR IMPROVED ASSESSMENT OF COGNITIVE FUNCTION IN A HUMAN SUBJECT, INCLUDING ASSESSMENT OF COGNITIVE FUNCTION AFFECTED BY BRAIN INJURIES SUSTAINED DURING SPORTING ACTIVITIES  
 (51) Int. Cl.  
     **A61B 5/11** ( 2006.01 )  
     **A63B 71/08** ( 2006.01 )  
 (45) 04.08.2022  
 (62) PCT/AU2021/050211  
 (72) Vegar, Mike; Nizette, Ben; Rau, Thomas; Gardner, Andrew  
 (74) FORWARD INTELLECTUAL PROPERTY PTY LTD

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(71) Trisco ICAP Pty Ltd  
 (11) AU-B-2020104237  
 (21) 2020104237 (22) 22.12.2020  
 (54) An ingredient  
 (51) Int. Cl.  
     **A23L 29/25** ( 2016.01 )  
     **A61K 47/36** ( 2006.01 )  
     **A61K 49/04** ( 2006.01 )  
     **C08B 37/00** ( 2006.01 )  
 (45) 04.08.2022  
 (62) 2019227840  
 (72) Tristram, Michael; Mossel, Brenda; Skarshewski, Peter  
 (74) FB Rice Pty Ltd

**Numerical Index**

**2020104237** Trisco ICAP Pty Ltd  
**2021103456** Cruel Sea Technologies Pty Ltd  
**2021105166** Cruel Sea Technologies Pty Ltd  
**2021107529** HITIQ LIMITED

**IPC Index**

**A01B 15 /-**

2021105166

**A01C 15 /-**

2021103456

**A01C 5 /-**

2021103456

2021105166

**A01C 7 /-**

2021103456

**A23L 29 /-**

2020104237

**A61B 5 /-**

2021107529

**A61K 47 /-**

2020104237

**A61K 49 /-**

2020104237

**A63B 71 /-**

2021107529

**C08B 37 /-**

2020104237

**Opposition Proceedings**

(The name in parentheses is that of the opponent)

**Opposition Lodged**

- 2013273704 **BASF Plant Science GmbH** ( Commonwealth Scientific and Industrial Research Organisation )
- 2016328252 **BASF Agricultural Solutions Seed US LLC** ( Epi-phany Law )

**Patents Granted**

**Standard Patents**

2015304945	2015333761	2015392215	2015411419
2015411930	2016203289	2016214244	2016232050
2016241935	2016256824	2016258895	2016261927
2016264193	2016267687	2016287416	2016290761
2016308286	2016309815	2016310538	2016310646
2016316027	2016318467	2016321918	2016324033
2016329628	2016331058	2016331663	2016332061
2016335397	2016338977	2016339998	2016340788
2016342298	2016342380	2016343851	2016347691
2016351634	2016353897	2016365026	2016366771
2016368688	2016371252	2016391066	2016397047
2016398720	2016401104	2016427625	2016427904
2016428123	2016428651	2016434076	2016434922
2017200839	2017200910	2017201946	2017201948
2017202074	2017202076	2017202111	2017202113
2017202825	2017206116	2017206267	2017206594
2017211928	2017215294	2017215462	2017218975
2017219613	2017220382	2017221747	2017223831
2017224048	2017224287	2017226644	2017227071
2017229508	2017231577	2017231946	2017232238
2017233757	2017234374	2017236196	2017236701
2017238068	2017240636	2017240763	2017240831
2017242168	2017243870	2017246520	2017247008
2017254764	2017256910	2017262679	2017262757
2017266491	2017266859	2017267246	2017268643
2017273748	2017274195	2017274506	2017276154
2017277902	2017278315	2017282513	2017288251
2017289187	2017298564	2017301227	2017301976
2017302289	2017302506	2017303832	2017305437
2017308143	2017308757	2017310507	2017312323
2017313255	2017315766	2017318401	2017318956
2017318973	2017321713	2017322093	2017324138
2017324399	2017324944	2017326127	2017328479
2017329458	2017330331	2017336307	2017345733
2017345736	2017347830	2017355438	2017357923
2017373593	2017375027	2017384673	2017387527
2017389818	2017390198	2017391161	2017391230
2017391484	2017392503	2017395023	2017397647
2017398629	2017405380	2017444732	2018201075
2018201170	2018203484	2018208990	2018210174
2018211566	2018213100	2018214432	2018216032
2018226241	2018228114	2018228555	2018228650
2018234246	2018235446	2018239825	2018241253
2018251560	2018252558	2018257331	2018258000
2018263885	2018265771	2018310134	2018350102
2018354528	2018363880	2018388591	2018421975
2018422698	2018424233	2018424681	2018430027
2018441279	2018441778	2018443613	2019201503
2019207511	2019212585	2019214298	2019241278
2019243099	2019248034	2019250861	2019257320
2019261540	2019262477	2019264485	2019264656
2019268668	2019272337	2019274350	2019274351
2019278052	2019280069	2019289097	2019291054
2019291363	2019296415	2019296431	2019300182
2019300848	2019312116	2019314884	2019316187
2019318433	2019319726	2019325570	2019332961

**Patents Granted**

**Standard Patents**

2019339924	2019351610	2019352614	2019352983
2019356720	2019356722	2019370300	2019370808
2019372300	2019379711	2019381748	2019410974
2019411629	2020200118	2020200297	2020200358
2020200473	2020200732	2020200995	2020201002
2020201083	2020201151	2020201190	2020201280
2020201338	2020201501	2020202092	2020202093
2020202184	2020202367	2020202536	2020202752
2020202853	2020202866	2020203429	2020203601
2020203991	2020204065	2020204113	2020204591
2020205209	2020205238	2020205257	2020207867
2020217424	2020220076	2020223657	2020223722
2020223727	2020226996	2020230331	2020233650
2020233651	2020233659	2020233670	2020233726
2020233739	2020233766	2020239723	2020244377
2020244451	2020244588	2020244609	2020257050
2020260393	2020260581	2020264278	2020264333
2020264359	2020267217	2020267267	2020270519
2020273504	2020279955	2020289880	2020294302
2020315519	2020318538	2020323951	2020323952
2020349590	2020403707	2021200047	2021200554
2021200754	2021200806	2021200830	2021200874
2021201039	2021201069	2021201130	2021201270
2021201466	2021201547	2021201583	2021201771
2021201917	2021202018	2021202167	2021202282
2021203016	2021203021	2021203211	2021203630
2021204099	2021204640	2021232759	2021236531
2021263336	2021273315	2021286246	2021286282
2021286283			

**Innovation Patents**

2017101928	2017101929	2022100088	2022100092
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**Revocation**

It is hereby notified that as a consequence of a decision by the Commissioner dated 28.06.2018 , Patent 2017100560 in the name of **Repipe Pty Ltd** has been revoked in relation to Patent Revoked under Section 101F of the Patents Act.

It is hereby notified that as a consequence of a decision by the Commissioner dated 28.06.2018 , Patent 2017100943 in the name of **Repipe Pty Ltd** has been revoked in relation to Patent Revoked under Section 101F of the Patents Act.

**Assignments Registered**

2001051103 FIS PAYMENTS LLC The patent has been assigned to **Fidelity Information Services, LLC**

2002308792 Standard Car Truck Company The patent has been assigned to **Transportation IP Holdings, LLC**

2006261383 Universidad Autonoma De Madrid; Cellerix, S.L. The patent has been assigned to **Takeda Pharmaceutical Company Limited; Universidad Autonoma De Madrid**

2008255273 Standard Car Truck Company The patent has been assigned to **Transportation IP Holdings, LLC**

2011253985 Cellerix, S.L.; Universidad Autonoma De Madrid The patent has been assigned to **Universidad Autonoma De Madrid; Takeda Pharmaceutical Company Limited**

2012268272 Consejo Superior de Investigaciones Cientificas; Tigenix, S.A.U. The patent has been assigned to **Consejo Superior de Investigaciones Cientificas; Takeda Pharmaceutical Company Limited**

**Assignments Registered**

2013200449 STANDARD CAR TRUCK COMPANY The patent has been assigned to **Transportation IP Holdings, LLC**

2013213708 SARB Management Group Pty Ltd The patent has been assigned to **DCA Cities Holdings Pty Ltd**

2013368945 Koninklijke Philips N.V. The patent has been assigned to **InnoSIGN B.V.**

2014286907 Marchmont Pty Limited The patent has been assigned to **Redcat Group Pty Ltd**

2014375206 Koninklijke Philips N.V. The patent has been assigned to **InnoSIGN B.V.**

2015308660 Nextremity Solutions, Inc. The patent has been assigned to **Zimmer, Inc.**

2015308755 Nextremity Solutions, Inc. The patent has been assigned to **Zimmer, Inc.**

2015334840 Koninklijke Philips N.V. The patent has been assigned to **InnoSIGN B.V.**

2015378885 Oxford Space Structures Ltd The patent has been assigned to **Royalty Bugaboo GmbH**

2016250898 Marchmont Pty Limited The patent has been assigned to **Redcat Group Pty Ltd**

2016272258 Teijin Pharma Limited The patent has been assigned to **Teijin Limited**

2016348326 Standard Car Truck Company The patent has been assigned to **Transportation IP Holdings, LLC**

2016362508 The Brigham and Women's Hospital, Inc. The patent has been assigned to **The Brigham and Women's Hospital, Inc.; Children's Medical Center Corporation**

2017203613 Standard Car Truck Company The patent has been assigned to **Transportation IP Holdings, LLC**

2018253517 Consejo Superior de Investigaciones Cientificas; Tigenix, S.A.U. The patent has been assigned to **Consejo Superior de Investigaciones Cientificas; Takeda Pharmaceutical Company Limited**

2018318097 Standard Car Truck Company The patent has been assigned to **Transportation IP Holdings, LLC**

2018370381 Alphagen NZ Limited The patent has been assigned to **Arepa IP Limited**

2019100926 Mobile Business Devices; Kerr, Nathan The patent has been assigned to **Mobile Business Devices Pty Ltd**

2021100396 Sureguard Safety Australia Pty Ltd The patent has been assigned to **Global Safety Group Pty Ltd**

2021101157 EC Pharma Pty Ltd The patent has been assigned to **InhaleRx Ltd**

2021105700 Chow, Chiu Yiu The patent has been assigned to **Glorious Health Products Pty Limited**

**Extensions of Term of Standard Patents**

Extension of Term of a Standard Patent relating to Pharmaceutical Substances

**Applications Filed**

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

**Extensions of Term of Standard Patents**

Extension of Term of a Standard Patent relating to Pharmaceutical Substances

**Applications Filed**

2015370004 **Emory University**

The earliest first regulatory approval date provided by the patentee 20 Jan 2022

For the goods LAGEVRIO molnupiravir

**Applications Refused**

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

2011203119 **Ono Pharmaceutical Co., Ltd.; E. R. Squibb & Sons, L.L.C.**

The earliest first regulatory approval date provided by the patentee 11 Jan 2016

For the goods OPDIVO nivolumab

**Extensions granted**

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

2008274534 **Merck Patent GmbH**

The earliest first regulatory approval date provided by the patentee 17 Jan 2022

For the goods TEPMETKO tepotinib

Extension of Term of patent pursuant to Section 77 expires on 04 Jul 2033

2008274670 **Merck Patent GmbH**

The earliest first regulatory approval date provided by the patentee 17 Jan 2022

For the goods TEPMETKO tepotinib

Extension of Term of patent pursuant to Section 77 expires on 29 Apr 2033

2011343190 **Novo Nordisk A/S**

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

For the goods RYBELSUS semaglutide

Extension of Term of patent pursuant to Section 77 expires on 16 Dec 2036

2013234496 **Novo Nordisk A/S**

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

For the goods RYBELSUS semaglutide

Extension of Term of patent pursuant to Section 77 expires on 07 Feb 2037

**Corrigenda**

In Vol 36 , No 26 , Page(s) 3641 under the heading **Assignments Before Grant, Section 113 - 2018** Under the name SMALL BALL LENGTHENING LLC, Application No. 2018374527, under INID (71) correct the applicant name to SMALL BONE LENGTHENING LLC

In Vol 36 , No 30 , Page(s) 4216 under the heading **Applications Lapsed, Refused or Withdrawn, Patents Ceased or Expired - 2008** Delete all reference to 2008343715.

**Specifications Republished**

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

2016206190	<b>Bluescope Steel Limited</b>
2017230387	<b>Osaka University; National Institute for Materials Science; Nippon Zoki Pharmaceutical Co., Ltd.</b>
2017382185	<b>Janssen Pharmaceutica NV</b>
2018239380	<b>Uvex Arbeitsschutz GmbH</b>
2019392904	<b>University of Maryland, Baltimore</b>