



**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

*Zoetis Services LLC v Boehringer Ingelheim Vetmedica GmbH [2022] APO 72*

Patent Application: 2017245601 and  
Innovation Patent: 2020102685

Title: Use of pimobendan for the reduction of heart size and/or the delay of onset of clinical symptoms in patients with asymptomatic heart failure due to mitral valve disease

Patent Applicant: Boehringer Ingelheim Vetmedica GmbH

Opponent: Zoetis Services LLC

Delegate: D. S. Triffett

Decision Date: 2 November 2022

Hearing Date: 28 June 2022, by Video Conference

Catchwords: **PATENTS** – evidence not considered to be properly in reply – evidence introducing new instances of prior use that should have been served in evidence in support – proposed amendments to the statements of grounds and particulars not allowed – regulation 5.23 invoked – evidence likely to be crucial to the delegate’s decision

Representation: Counsel for the applicant: Clare Cunliffe  
Patent attorney for the applicant: Marcus Caulfield of FB Rice Pty Ltd  
Counsel for the opponent: Patrick Flynn SC  
Patent attorney for the opponent: Duncan Longstaff and Andrew Rankine of Spruson & Ferguson Lawyers

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 1 Nov 2022 .

<p><b>ALLAN, A. see The New Zealand Institute for Plant and Food Research Limited</b> (21) 2022903249</p>	<p>(71) Becerra, A. (21) 2022903291 (22) 03.11.2022 (54) SOCK FOR PREVENTING SLIPS AND FALLS</p>	<p>(71) Chung, D. (21) 2022903282 (22) 03.11.2022 (54) citizen synergy</p>
<p>(71) All Vascular Pty Limited (21) 2022903261 (22) 02.11.2022 (54) INTRACORPOREAL VASCULAR ACCESS DEVICE</p>	<p>(71) Butler 88 Pty Ltd (21) 2022903288 (22) 03.11.2022 (54) A Swim Stroke Analysis Method and System</p>	<p>(71) Closed Loop Medical Pty Ltd (21) 2022903306 (22) 04.11.2022 (54) Programming closed-loop spinal cord stimulation for spasticity relief</p>
<p><b>Andrews, E. see lowenstein, R.</b> (21) 2022903252</p>	<p>(71) Campbell, J. (21) 2022903272 (22) 02.11.2022 (54) IMPROVED CONCRETE TANK</p>	<p>(71) CUMMINS, I. (21) 2022903192 (22) 27.10.2022 (54) Water Decontamination Device</p>
<p>(71) Andromeda Metals Limited (21) 2022903254 (22) 01.11.2022 (54) MATERIALS FOR CARBON DIOXIDE AND/OR CARBON MONOXIDE CONVERSION</p>	<p>(71) Carden, B. (21) 2022903275 (22) 02.11.2022 (54) Method for accurately measuring cellular response to light therapy</p>	<p>(71) Cyber Security Research Centre Limited (21) 2022903302 (22) 04.11.2022 (54) IoT vulnerability detection</p>
<p>(71) Arlec Australia Pty Ltd (21) 2022903268 (22) 02.11.2022 (54) Light globe</p>	<p>(71) CardPay Group Pty Ltd (21) 2022903274 (22) 02.11.2022 (54) TRANSACTION VERIFICATION SYSTEM AND METHODS THEREFOR</p>	<p>(71) DOT DESIGN GROUP PTY LTD (21) 2022903250 (22) 01.11.2022 (54) Shelf Label Pricing Extrusion 007</p>
<p>(71) Attey, G. (21) 2022903239 (22) 31.10.2022 (54) IMPROVEMENTS IN FOOTBALL AND SAFETY HELMETS</p>	<p>(71) Casamento, D. (21) 2022903271 (22) 02.11.2022 (54) Smartphone Audience Microphone System</p>	<p>(71) Ellis, C. (21) 2022903238 (22) 31.10.2022 (54) Two factor and time factor QR code authentication and authorisation</p>
<p>(71) Australasian Pork Research Institute Ltd (21) 2022903278 (22) 03.11.2022 (54) CREEP FEED COMPOSITIONS AND USES THEREOF</p>	<p>(71) Cellular Biotech Pty Ltd; Flinders University of South Australia (21) 2022903287 (22) 03.11.2022 (54) METHODS AND COMPOSITIONS FOR TREATING SKIN</p>	<p><b>ESPLEY, R. see The New Zealand Institute for Plant and Food Research Limited</b> (21) 2022903249</p>
<p>(71) Bakvertisi Limited (21) 2022903280 (22) 03.11.2022 (54) An Order Fulfilment System</p>	<p><b>Champion, L. see van Dongen, C.</b> (21) 2022903262</p>	<p>(71) Facer Holdings Pty Ltd ATF The Facer Family Trust (21) 2022903283 (22) 03.11.2022 (54) FIN BOX</p>
<p>(71) barbe, t. (21) 2022903289 (22) 03.11.2022 (54) Company Competitor - Software</p>		<p>(71) FELLROCK DEVELOPMENTS LIMITED (21) 2022903229 (22) 31.10.2022 (54) TIMBER POLE FOUNDATION STRUCTURE</p>

Provisional Applications Filed - Name Index cont'd

(71) FELLROCK DEVELOPMENTS LIMITED  
(21) 2022903237 (22) 31.10.2022  
(54) FOUNDATION STRUCTURE

(71) Firmus Technologies Pty Ltd  
(21) 2022903285 (22) 03.11.2022  
(54) Methods and systems for providing stability to an electricity grid

**Flinders University of South Australia see Cellumar Biotech Pty Ltd**  
(21) 2022903287

(71) FMP Group (Australia) Pty Limited  
(21) 2022903230 (22) 31.10.2022  
(54) Brake system with sensor

(71) FORM-I-BABY PTY LTD  
(21) 2022903308 (22) 04.11.2022  
(54) INFANT BOTTLE STERILISATION DEVICE

(71) Gillies, A.  
(21) 2022903258 (22) 02.11.2022  
(54) AN INTERCHANGEABLE CASSETTE AND DISPENSING SYSTEM FOR USE IN AN AGRICULTURAL HOPPER SYSTEM

(71) GI Matters Pty Ltd  
(21) 2022903273 (22) 02.11.2022  
(54) METHOD AND SYSTEM FOR ASSESSING INTRA-ABDOMINAL HEALTH

(71) Global Boss International Pty Ltd  
(21) 2022903257 (22) 02.11.2022  
(54) Apparatus/Process for producing liquid fertiliser

(71) Gomez, R.  
(21) 2022903218 (22) 30.10.2022  
(54) Prod of Graphene & Large Graphene Electrodes

(71) Gomez, R.  
(21) 2022903266 (22) 02.11.2022  
(54) Control of Methane Discharge

**Gottaas, T. see Rodwell, O.**  
(21) 2022903277

(71) Illinois Tool Works Inc.  
(21) 2022903245 (22) 01.11.2022  
(54) Roofing Fastener

(71) Imdex Technologies Pty Ltd  
(21) 2022903253 (22) 01.11.2022  
(54) Borehole measurement method and system

(71) Indefatigable Holdings Pty Ltd  
(21) 2022903304 (22) 04.11.2022  
(54) PICKET SUPPORT

(71) keightley, k.  
(21) 2022903265 (22) 02.11.2022  
(54) QUICK CHANGE DUST GUARD FOR HOLE SAWS

(71) Kester, M.  
(21) 2022903281 (22) 03.11.2022  
(54) FIRE EXTINGUISHER CARTRIDGE SYSTEM

(71) Lam, T.T.  
(21) 2022903233 (22) 31.10.2022  
(54) CIRCULAR ORBIT BASED WAVE ENERGY SYSTEM FOR UTILITY SCALE POWER PLANTS

(71) Lam, T.T.  
(21) 2022903263 (22) 02.11.2022  
(54) HEXAGONAL COMPOUND BASED WAVE ENERGY SYSTEM FOR UTILITY SCALE POWER PLANTS

**LIN-WANG, K. see The New Zealand Institute for Plant and Food Research Limited**  
(21) 2022903249

(71) lowenstein, R.; Andrews, E.  
(21) 2022903252 (22) 01.11.2022  
(54) Battery interchange for interchangeable batteries for commercial domestic and individuals within for all industry sectors including scooters, mopeds, side car scooters, and electric scooters products and equipment, services.

(71) lowenstein, R.  
(21) 2022903310 (22) 05.11.2022  
(54) Deployment Drones for commercial, domestic and various industrial applications including government authorities and army defence services, systems and applications including security services and delivery systems various emergency services, delivery and manufacturing systems and infrastructure and developments.

(71) Lowrie, C.  
(21) 2022903244 (22) 31.10.2022  
(54) Improved Clothing/Material Clasp

**Mackinlay, R. see van Dongen, C.**

(21) 2022903262

(71) MARSAL Innovation Pty Ltd  
(21) 2022903269 (22) 02.11.2022  
(54) A surgical device

(71) mcinnes, g.  
(21) 2022903190 (22) 27.10.2022  
(54) Storage system for energy

(71) Medlab IP Pty Ltd  
(21) 2022903295 (22) 04.11.2022  
(54) Fabric products

(71) Mindspark Technologies Pty Ltd  
(21) 2022903240 (22) 31.10.2022  
(54) IMPROVED ROCK MOVEMENT SENSOR

(71) Mohan, K.  
(21) 2022903290 (22) 03.11.2022  
(54) FOUR PIPE INDEPENDENT LOAD REVERSIBLE, SPLIT CIRCUIT CENTRAL HYDRONIC HEAT PUMP SYSTEM

**Moll, J. see Rigal, A.**  
(21) 2022903235

(71) Monash University; RMIT University  
(21) 2022903284 (22) 03.11.2022  
(54) Device and Method for Evaluating Male Fertility

(71) MORSE MICRO PTY. LTD.  
(21) 2022903286 (22) 03.11.2022  
(54) A Switch Capacitor Power Amplifier

(71) Nguyen, P.  
(21) 2022903246 (22) 01.11.2022  
(54) Crystal and Other Ornaments Laser Stand

(71) Niche Business Solutions Pty Ltd  
(21) 2022903236 (22) 31.10.2022  
(54) Exoskeleton

(71) Novalith Technologies Pty Ltd  
(21) 2022903247 (22) 01.11.2022  
(54) A method of recycling materials such as lithium from end-of-life batteries

**O'Brien, M. see Styger, L.**  
(21) 2022903241

(71) O2Systems Pty Ltd  
(21) 2022903231 (22) 31.10.2022  
(54) Wall System

Provisional Applications Filed - Name Index cont'd

(71) Pact Group Industries (ANZ) Pty Ltd  
(21) 2022903243 (22) 31.10.2022  
(54) INFRASTRUCTURE PIT

(71) Puntoriero, A.  
(21) 2022903294 (22) 04.11.2022  
(54) Trading System The field of the invention relates generally to a method and system for selling consumables to end-users

**Putland, M. see Regan, M.**  
(21) 2022903292

**Putland, C. see Regan, M.**  
(21) 2022903292

(71) Rakman International Pty Ltd  
(21) 2022903232 (22) 31.10.2022  
(54) A passive fire protection device

(71) RavenCo. Pty Ltd  
(21) 2022903299 (22) 04.11.2022  
(54) An automated floor level survey monitoring sensor system

(71) Regan, M.; Putland, M.; Putland, C.  
(21) 2022903292 (22) 04.11.2022  
(54) SYSTEM AND METHOD FOR THE PROVISION OF INFORMATION TO USERS OF MULTIPLE SOCIAL MEDIA PLATFORMS

(71) Rigal, A.; Moll, J.  
(21) 2022903235 (22) 31.10.2022  
(54) Solar powering circuitry for erectable structures

**RMIT University see Monash University**  
(21) 2022903284

(71) Rodwell, O.; Gottaas, T.  
(21) 2022903277 (22) 03.11.2022  
(54) Hole Cleaner - Hand Tool

(71) Rossi, G.  
(21) 2022903303 (22) 04.11.2022  
(54) SHEET OBJECTS AND METHODS FOR FORMING SHEET OBJECTS

(71) Royal Melbourne Institute of Technology  
(21) 2022903305 (22) 04.11.2022  
(54) Method of differentiating stem cells

(71) Royal Melbourne Institute of Technology  
(21) 2022903307 (22) 04.11.2022  
(54) Methods of enhancing endothelial barrier integrity

(71) Ryan, E.  
(21) 2022903242 (22) 31.10.2022  
(54) VETERINARY SURGICAL JIG AND CORRESPONDING BONE PLATE

(71) Ryde Enterprises Pty Ltd T/AS Mining and Plant Group  
(21) 2022903251 (22) 01.11.2022  
(54) Truck body mounting apparatus

(71) Saluda Medical Pty Ltd  
(21) 2022903222 (22) 31.10.2022  
(54) Assisted programming system for neural stimulation therapy

(71) Seven Vibrations Limited  
(21) 2022903264 (22) 02.11.2022  
(54) SYSTEM, METHOD, AND APPARATUS FOR ENHANCING A FLUID

(71) SHRUNK IP PTY LTD  
(21) 2022903293 (22) 04.11.2022  
(54) Integration of current and voltage measurement within 4 and 5 pin 3 phase electrical leads

(71) Sicona Battery Technologies Pty Ltd  
(21) 2022903296 (22) 04.11.2022  
(54) A method for production of silicon nanoparticles

**Smith, J.M. see Smith, D.V.**  
(21) 2022903256

(71) Smith, D.V.; Smith, J.M.; Young, J.  
(21) 2022903256 (22) 02.11.2022  
(54) Recovery of metal from sulphide bearing materials with production of water soluble sulphides

(71) Snorettox Pty Ltd  
(21) 2022903234 (22) 31.10.2022  
(54) USE OF TETANUS NEUROTOXIN FOR THERAPY

(71) Sparta Labs Pte Ltd  
(21) 2022903300 (22) 04.11.2022  
(54) SYSTEM FOR FACILITATING RECRUITMENT AND METHODS THEREFOR

(71) Spry, P.  
(21) 2022903228 (22) 31.10.2022  
(54) Adjustable Member

(71) Stapleton, A.  
(21) 2022903211 (22) 28.10.2022  
(54) A METHOD, IMPLEMENTED IN COMPUTERS, FOR THE MANAGEMENT OF LEGAL COSTS ASSESSMENTS

(71) Styger, L.; O'Brien, M.  
(21) 2022903241 (22) 31.10.2022  
(54) A STRUCTURAL COMPOSITE MATERIAL AND COMPOSITIONS AND METHODS FOR THE PRODUCTION THEREOF

(71) The New Zealand Institute for Plant and Food Research Limited; ALLAN, A.; ESLEY, R.; LIN-WANG, K.; WU, J.; YANG, G.  
(21) 2022903249 (22) 01.11.2022  
(54) POLYNUCLEOTIDE FOR PRODUCING PHENOTYPE IN A PLANT

(71) The Trustee for AUSAIR IP TRUST  
(21) 2022903279 (22) 03.11.2022  
(54) Composite Nose Bridge Part For Face Mask or Respirator

(71) The Trustee for Perki Australia Family Trust  
(21) 2022903311 (22) 05.11.2022  
(54) Application for improved scheduling, estimated time of arrival, time and attendance, physical location and employee safety check

(71) TOM  
(21) 2022903312 (22) 05.11.2022  
(54) Proprietary material for spontaneous sharing of media asset references

(71) TOM  
(21) 2022903313 (22) 05.11.2022  
(54) Physical distribution method for the delivery of electronic items

(71) Tracker Geoservices Pty Ltd  
(21) 2022903270 (22) 02.11.2022  
(54) Method for Producing a Fertiliser

(71) University of Technology Sydney  
(21) 2022903301 (22) 04.11.2022  
(54) Cathode materials

(71) van Dongen, C.; Champion, L.; Mackinlay, R.  
(21) 2022903262 (22) 02.11.2022  
(54) A Stator

**Watkins, A. see Watkins, P.**  
(21) 2022903267

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(71) Watkins, P.; Watkins, A.  
(21) 2022903267 (22) 02.11.2022  
(54) Manual hand tool to comfortably pick up  
dog, cat and poultry faeces.

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WU, J. see The New Zealand Institute for  
Plant and Food Research Limited  
(21) 2022903249

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YANG, G. see The New Zealand Institute  
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(21) 2022903249

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(21) 2022903256

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2022903222	Saluda Medical Pty Ltd	2022903299	RavenCo. Pty Ltd
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2022903232	Rakman International Pty Ltd	2022903304	Indefatigable Holdings Pty Ltd
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2022903236	Niche Business Solutions Pty Ltd	2022903308	FORM-I-BABY PTY LTD
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2022903238	Ellis, C.	2022903311	The Trustee for Perki Australia Family Trust
2022903239	Attey, G.	2022903312	TOM
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2022903242	Ryan, E.		
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2022903245	Illinois Tool Works Inc.		
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2022903249	The New Zealand Institute for Plant and Food Research Limited; ALLAN, A.; ESPLEY, R.; LIN-WANG, K.; WU, J.; YANG, G.		
2022903250	DOT DESIGN GROUP PTY LTD		
2022903251	Ryde Enterprises Pty Ltd T/AS Mining and Plant Group		
2022903252	lowenstein, R.; Andrews, E.		
2022903253	Index Technologies Pty Ltd		
2022903254	Andromeda Metals Limited		
2022903256	Smith, D.V.; Smith, J.M.; Young, J.		
2022903257	Global Boss International Pty Ltd		
2022903258	Gillies, A.		
2022903261	All Vascular Pty Limited		
2022903262	van Dongen, C.; Champion, L.; Mackinlay, R.		
2022903263	Lam, T.T.		
2022903264	Seven Vibrations Limited		
2022903265	keightlley, k.		
2022903266	Gomez, R.		
2022903267	Watkins, P.; Watkins, A.		
2022903268	Arlec Australia Pty Ltd		
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2022903272	Campbell, J.		
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2022903277	Rodwell, O.; Gottaas, T.		
2022903278	Australasian Pork Research Institute Ltd		
2022903279	The Trustee for AUSAIR IP TRUST		
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2022903281	Kester, M.		
2022903282	Chung, D.		
2022903283	Facer Holdings Pty Ltd ATF The Facer Family Trust		
2022903284	Monash University; RMIT University		
2022903285	Firmus Technologies Pty Ltd		
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2022903288	Butler 88 Pty Ltd		
2022903289	barbe, t.		
2022903290	Mohan, K.		
2022903291	Becerra, A.		
2022903292	Regan, M.; Putland, M.; Putland, C.		



**Complete Applications Filed**

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Applications listed below were processed through the Patent Office Canberra during the period ending 1 Nov 2022 .

. (\*) Title not in Roman characters

. (\*\*) Title not given

<hr/> <p>(71) Aarbakke Innovation AS (21) 2022256105 (22) 18.10.2022 (54) HEAT TRANSFER PREVENTION METHOD FOR WELLBORE HEATING SYSTEM (62) 2019427102</p> <hr/> <p>(71) Abbott Diabetes Care Inc. (21) 2022256135 (22) 19.10.2022 (54) Focused sterilization and sterilized sub-assemblies for analyte monitoring systems (62) 2019280846</p> <hr/> <p>(71) Acuitas Therapeutics Inc. (21) 2022256201 (22) 21.10.2022 (54) Lipids and lipid nanoparticle formulations for delivery of nucleic acids (62) 2021201646</p> <hr/> <p>(71) Adaptimmune Limited (21) 2022256177 (22) 20.10.2022 (54) T cell receptors (62) 2017248122</p> <hr/> <p>(71) Adaptimmune Limited (21) 2022256181 (22) 20.10.2022 (54) T Cell Receptors (62) 2017248120</p> <hr/> <p>(71) Adaptimmune Limited (21) 2022256182 (22) 20.10.2022 (54) T Cell Receptors (62) 2017248121</p> <hr/> <p>(71) Affymetrix, Inc. (21) 2022259706 (22) 24.10.2022 (54) Multiallelic genotyping of single nucleotide polymorphisms and indels (62) 2016341845</p> <hr/> <p>(71) Allen, T. (21) 2022256194 (22) 21.10.2022 (54) System for tire storage, retrieval, and inventory management (62) 2017240509</p> <hr/> <p>(71) Allergan, Inc. (21) 2022256160 (22) 20.10.2022</p>	<p>(54) Hyaluronic acid/collagen-based dermal filler compositions and methods for making same (62) 2020256324</p> <hr/> <p>(71) AMVAC Hong Kong Limited (21) 2022256161 (22) 20.10.2022 (54) IMPROVED AGRICULTURAL PRODUCT DISPENSING SYSTEM (62) 2021266364</p> <hr/> <p>(71) Angel Group Co., Ltd. (21) 2022256168 (22) 20.10.2022 (54) SUBSTITUTE CURRENCY FOR GAMING, INSPECTION DEVICE, AND MANUFACTURING METHOD OF SUBSTITUTE CURRENCY FOR GAMING, AND MANAGEMENT SYSTEM FOR TABLE GAMES (62) 2021203081</p> <hr/> <p>(71) Apple Inc. (21) 2022256155 (22) 20.10.2022 (54) Spatial management of audio (62) 2021204526</p> <hr/> <p>(71) Arete Associates (21) 2022256205 (22) 21.10.2022 (54) Isolated ring cavity resonator (62) 2020230278</p> <hr/> <p>(71) Aristocrat Technologies, Inc. (21) 2022256208 (22) 21.10.2022 (54) GAMING SYSTEMS WITH BLOCK-CHAIN JACKPOTS (31) 17/951,922 (32) 23.09.22 (33) US 63/270,391 21.10.21 US</p> <hr/> <p>(71) Aristocrat Technologies Australia Pty Limited (21) 2022256209 (22) 21.10.2022 (54) FLOATING TABLETOP DISPLAY (62) 2020204075</p> <hr/> <p>(71) Ascendis Pharma Bone Diseases A/S (21) 2022256158 (22) 20.10.2022 (54) PTH prodrugs (62) 2020286303</p> <hr/> <p>(71) ASSIA SPE, LLC (21) 2022256142 (22) 19.10.2022 (54) SYSTEMS AND METHODS FOR CHAINING CONTROL-PLANE VIR-</p>	<p>TUAL FUNCTIONS FOR ENSURING END-TO-END QUALITY OF SERVICE (QOS) OF INTERNET SERVICES (62) 2019312119</p> <hr/> <p>(71) Ball Corporation (21) 2022256184 (22) 20.10.2022 (54) TAPERED METAL CUP AND METHOD OF FORMING THE SAME (62) 2019396327</p> <hr/> <p><b>Baxter Healthcare SA see Baxter International Inc.</b> (21) 2022256096</p> <hr/> <p>(71) Baxter International Inc.; Baxter Healthcare SA (21) 2022256096 (22) 18.10.2022 (54) SYSTEM AND METHOD TO EFFICIENTLY CLEAN A PERITONEAL DIALYSIS FILTER (62) 2021202238</p> <hr/> <p>(71) Baylor College of Medicine (21) 2022256219 (22) 21.10.2022 (54) CD1d-restricted NKT cells as a platform for off-the-shelf cancer immunotherapy (62) 2018314012</p> <hr/> <p>(71) Becton, Dickinson and Company (21) 2022256123 (22) 19.10.2022 (54) Automated diagnostic analyzer and method for its operation (62) 2017254365</p> <hr/> <p>(71) Becton, Dickinson and Company (21) 2022256126 (22) 19.10.2022 (54) A device for obtaining a blood sample (62) 2017315323</p> <hr/> <p>(71) Berkeley Lights, Inc. (21) 2022256213 (22) 21.10.2022 (54) Automated detection and repositioning of micro-objects in microfluidic devices (62) 2017368268</p> <hr/> <p><b>Beth Israel Deaconess Medical Center see Georgia State University Research Foundation Inc.</b> (21) 2022256125</p>
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**Buck Institute for Research on Aging see  
The Johns Hopkins University**  
(21) 2022256167

(71) CAF Corporation Pty Ltd  
(21) 2022256108 (22) 18.10.2022  
(54) Collapsible Enclosure Assembly  
(62) 2020223714

(71) Canon Kabushiki Kaisha  
(21) 2022256128 (22) 19.10.2022  
(54) Developer supply container and developer supplying system  
(62) 2020223714

(71) CATERPILLAR INC.  
(21) 2022256130 (22) 19.10.2022  
(54) UNDERMOUNT FOR EGR COOLER  
(31) 17/518,200 (32) 03.11.21 (33) US

(71) CATERPILLAR INC.  
(21) 2022256141 (22) 19.10.2022  
(54) HEAT EXCHANGER WITH COOLANT MANIFOLD  
(31) 17/522,438 (32) 09.11.21 (33) US

**Chemcon S.A. see Givaudan S.A.**  
(21) 2022256179

(71) CNH Industrial America LLC  
(21) 2022256102 (22) 18.10.2022  
(54) System and method for performing spraying operations with an agricultural applicator  
(31) 17/504,895 (32) 19.10.21 (33) US

(71) Colgate-Palmolive Company  
(21) 2022256097 (22) 18.10.2022  
(54) Powered oral care implement including a tracking module and tracking module thereof  
(62) 2019312678

(71) Conmed Corporation  
(21) 2022256156 (22) 20.10.2022  
(54) Retractable shaver bur  
(62) 2019395326

(71) ConMed Corporation  
(21) 2022256162 (22) 20.10.2022  
(54) Soft-thread cannula and cannula seal assembly  
(62) 2019416369

(71) Cooper, G.  
(21) 2022256231 (22) 23.10.2022  
(54) Bulldozer with Fire Apparatus

(71) CSR Building Products Limited  
(21) 2022256189 (22) 20.10.2022

(54) Building Component  
(62) 2020256341

(71) Dexcom, Inc.  
(21) 2022256146 (22) 19.10.2022  
(54) System and method for providing alerts optimized for a user  
(62) 2017259158

(71) DINH, P.  
(21) 2022256124 (22) 19.10.2022  
(54) A Gate Frame Corner Bracket

(71) DLT Group Pty Ltd  
(21) 2022256111 (22) 18.10.2022  
(54) Ladder Stabilising System

(71) Dragic, M.  
(21) 2022256093 (22) 18.10.2022  
(54) Device for conversion of wave energy into electrical energy and the process for its deployment at the exploitation location  
(62) 2017246942

(71) DSI Underground Australia Pty Limited  
(21) 2022256107 (22) 18.10.2022  
(54) A nut assembly  
(31) 2021903327 (32) 18.10.21 (33) AU

(71) du Blêt, G.  
(21) 2022259705 (22) 24.10.2022  
(54) Tambourine  
(31) 2022901269 (32) 12.05.22 (33) AU

(71) Ekona Power Inc.  
(21) 2022256206 (22) 21.10.2022  
(54) METHODS AND SYSTEMS FOR MIXING FLUIDS  
(31) 63/288,068 (32) 10.12.21 (33) US

(71) Electrical Subsea & Drilling AS  
(21) 2022256214 (22) 21.10.2022  
(54) Annular blowout preventer  
(62) 2017244287

(71) Eloxx Pharmaceuticals Ltd.  
(21) 2022256098 (22) 18.10.2022  
(54) Large scale preparation of pseudo-trisaccharide aminoglycosides and of intermediates thereof  
(62) 2018235441

(71) Equifax Inc.  
(21) 2022256127 (22) 19.10.2022  
(54) Real-time servicing of verification queries using hybrid data sources

(71) Evrys Bio, LLC  
(21) 2022256094 (22) 18.10.2022

(54) Broad spectrum antiviral compositions and methods  
(62) 2018350999

(71) F. Hoffmann-La Roche AG  
(21) 2022256199 (22) 21.10.2022  
(54) Bispecific anti-human CD20/human transferrin receptor antibodies and methods of use  
(62) 2016333512

(71) Fantasy Gaming Corporation Pty Ltd  
(21) 2022256188 (22) 20.10.2022  
(54) METHOD OF AND SYSTEM FOR FANTASY GAMING  
(62) 2016228945

(71) Freudenberg Medical, LLC  
(21) 2022256095 (22) 18.10.2022  
(54) Voice prosthesis with umbrella valve  
(31) 63/257,324 (32) 19.10.21 (33) US  
63/257,334 19.10.21 US  
17/964,392 12.10.22 US

(71) Genentech, Inc.  
(21) 2022256163 (22) 20.10.2022  
(54) Formulations with reduced degradation of polysorbate  
(62) 2016380988

(71) Georgia State University Research Foundation Inc.; Beth Israel Deaconess Medical Center  
(21) 2022256125 (22) 19.10.2022  
(54) Near-infrared fluorescent contrast bioimaging agents and methods of use thereof  
(62) 2020204233

(71) Gilead Sciences, Inc.  
(21) 2022256119 (22) 19.10.2022  
(54) Anti-HIV compounds  
(62) 2019314282

(71) Givaudan S.A.; Chemcon S.A.  
(21) 2022256179 (22) 20.10.2022  
(54) Compounds Reducing Malodour Perception And The Use Thereof  
(62) 2021218078

(71) Google LLC  
(21) 2022256129 (22) 19.10.2022  
(54) DECODING ERRORS USING QUANTUM SUBSPACE EXPANSION  
(62) 2020232777

(71) Google LLC  
(21) 2022256137 (22) 19.10.2022  
(54) DECODING ERRORS USING QUANTUM SUBSPACE EXPANSION  
(62) 2020232777

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(71) Graco Minnesota Inc.  
 (21) 2022256133 (22) 19.10.2022  
 (54) Ground marking bead flow sensor  
 (31) 63/257,936 (32) 20.10.21 (33) US

(71) Halliburton Energy Services, Inc.  
 (21) 2022256101 (22) 18.10.2022  
 (54) IDENTIFYING TYPES OF CONTAMINATIONS OF DRILLING FLUIDS FOR A DRILLING OPERATION  
 (31) 17/546,028 (32) 08.12.21 (33) US

(71) Halliburton Energy Services, Inc.  
 (21) 2022256170 (22) 20.10.2022  
 (54) Estimating composition of drilling fluid in a wellbore using direct and indirect measurements  
 (31) 17/546,009 (32) 08.12.21 (33) US

(71) Hamm AG  
 (21) 2022256149 (22) 20.10.2022  
 (54) Roller tool for a soil processing roller  
 (31) 10 2021 127 443.5 (32) 22.10.21 (33) DE

(71) Hamm AG  
 (21) 2022256152 (22) 20.10.2022  
 (54) Roller tool for a soil processing roller  
 (31) 10 2021 127 441.9 (32) 22.10.21 (33) DE

(71) Heiniger Limited  
 (21) 2022256227 (22) 21.10.2022  
 (54) Apparatus for storing and dispensing shearing cutters  
 (31) 2021903642 (32) 12.11.21 (33) AU

(71) Hilti Aktiengesellschaft  
 (21) 2022256186 (22) 20.10.2022  
 (54) Electrodynamical drive  
 (62) 2017371259

(71) HOWMEDICA OSTEONICS CORP.  
 (21) 2022256159 (22) 20.10.2022  
 (54) POROUS STRUCTURE PLACEMENT CONFIGURED FOR MANUFACTURING  
 (31) 63/271,436 (32) 25.10.21 (33) US

(71) Huawei Technologies Co., Ltd.  
 (21) 2022256138 (22) 19.10.2022  
 (54) SCREEN CONTROL METHOD, ELECTRONIC DEVICE, AND STORAGE MEDIUM  
 (62) 2020224197

(71) Immunocore Limited  
 (21) 2022256131 (22) 19.10.2022  
 (54) T cell receptors  
 (62) 2017246693

(71) Implantica Patent Ltd  
 (21) 2022256211 (22) 21.10.2022

(54) An Ostomy Accessory  
 (62) 2020205324

(71) JAMES L. ORRINGTON, II D.D.S., P.C.  
 (21) 2022256185 (22) 20.10.2022  
 (54) METHODS AND SYSTEMS FOR MINIMIZING RISK OF TRANSMISSION OF INFECTION  
 (62) PCT/US2021/025554, PCT/US2021/025724, PCT/US2021/025874

(71) Jennerjahn Machine, Inc.  
 (21) 2022256147 (22) 20.10.2022  
 (54) Coreless retail paper rolls and associated methods and apparatus for manufacturing the same  
 (62) 2018375131

(71) Komatsu Ltd.  
 (21) 2022256218 (22) 21.10.2022  
 (54) Construction management device, construction management system, and construction management method  
 (62) 2020227081

(71) Kyocera Senco Industrial Tools, Inc.  
 (21) 2022256196 (22) 21.10.2022  
 (54) Working cylinder for power tool with piston lubricating system  
 (62) 2019360114

(71) Labelmakers Flexibles and Linerless Pty Ltd  
 (21) 2022256204 (22) 21.10.2022  
 (54) Container wrapper  
 (62) 2016353533

(71) Lakewood Amedex, Inc.  
 (21) 2022256175 (22) 20.10.2022  
 (54) Antimicrobial compounds, compositions, and uses thereof  
 (62) 2021201251

(71) Lakewood Amedex, Inc.  
 (21) 2022256216 (22) 21.10.2022  
 (54) Antimicrobial compounds, compositions, and uses thereof  
 (61) 2021201251

(71) Lam, T.T.  
 (21) 2022256200 (22) 21.10.2022  
 (54) DUAL FLOATS BASED WAVE ENERGY CONVERTOR  
 (62) 2022218536

(71) Lam, T.T.  
 (21) 2022256230 (22) 22.10.2022  
 (54) Dragging Drum Based Wave Energy Converter

(71) Landers, W.  
 (21) 2022256207 (22) 21.10.2022  
 (54) HEMP COMPOSITIONS AND METHODS OF MAKING THE SAME  
 (31) 17/452,029 (32) 22.10.21 (33) US

(71) Levation Pharma Ltd.  
 (21) 2022257242 (22) 24.10.2022  
 (54) COMPOSITIONS AND USES OF ALPHA-ADRENERGIC AGENTS  
 (62) 2017211793

(71) LG Electronics Inc.  
 (21) 2022256190 (22) 20.10.2022  
 (54) Laundry Treatment Apparatus  
 (62) 2019249762

(71) M&R Solutions Pty Ltd  
 (21) 2022256222 (22) 21.10.2022  
 (54) SUBMERSIBLE DRONE SYSTEM  
 (31) 2021903399 (32) 24.10.21 (33) AU

(71) Mallouhi, E.  
 (21) 2022263535 (22) 31.10.2022  
 (54) A nail that does not enter the tire, or explode upon impact with the car tire

(71) MANGROVE WATER TECHNOLOGIES LTD  
 (21) 2022256176 (22) 20.10.2022  
 (54) LI RECOVERY PROCESSES AND ONSITE CHEMICAL PRODUCTION FOR LI RECOVERY PROCESSES  
 (62) 2021290346

Mayo Foundation for Medical Education and Research see The Johns Hopkins University  
 (21) 2022256167

(71) Memorial Sloan-Kettering Cancer Center  
 (21) 2022256139 (22) 19.10.2022  
 (54) System, method, computer-accessible medium and apparatus for fast radioactive seed localization in intraoperative cone beam CT for Low-Dose-Rate prostate brachytherapy  
 (62) 2021203330

(71) MERCK PATENT GMBH  
 (21) 2022256215 (22) 21.10.2022  
 (54) Imidazolonyl quinolines and use thereof as ATM kinase inhibitors  
 (62) 2020204241

(71) Mettler Packaging Pty. Ltd.  
 (21) 2022259707 (22) 24.10.2022  
 (54) Plastic film bags and use thereof  
 (31) 21206048.7 (32) 02.11.21 (33) EP

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(71) Montrae Mining Pty Ltd  
 (21) 2022256198 (22) 21.10.2022  
 (54) LOCKING APPARATUS FOR  
 DRILLING RIG COMPONENTS  
 (31) 2021903390 (32) 22.10.21 (33) AU

(71) National Student Clearinghouse  
 (21) 2022256099 (22) 18.10.2022  
 (54) Record matching system  
 (62) 2017299435

(71) National University of Singapore  
 (21) 2022256995 (22) 24.10.2022  
 (54) Methods and compositions for modulat-  
 ing TH-GM cell function  
 (62) 2021201241

(71) Netsweeper (Barbados) Inc.  
 (21) 2022256232 (22) 24.10.2022  
 (54) Computer Network System and Pro-  
 cess for Collecting Tax on Online Com-  
 merce  
 (62) 2020260444

(71) Nexans  
 (21) 2022256153 (22) 20.10.2022  
 (54) DRIVE ARRANGEMENT OF MALTESE  
 CROSS TYPE AND SOLAR TRACKER  
 HAVING SUCH AN ARRANGEMENT  
 (31) 2111261 (32) 22.10.21 (33) FR

(71) Nexans  
 (21) 2022259699 (22) 24.10.2022  
 (54) SYSTEM FOR GUIDING THE ROTA-  
 TION OF A SOLAR TRACKER  
 (31) 2111493 (32) 28.10.21 (33) FR

(71) Niantic, Inc.  
 (21) 2022256192 (22) 21.10.2022  
 (54) Multi-sync ensemble model for device  
 localization  
 (62) 2021203410

(71) Nilar International AB  
 (21) 2022256203 (22) 21.10.2022  
 (54) A metal hydride battery with added hy-  
 drogen gas, oxygen gas or hydrogen  
 peroxide  
 (62) 2016343239

(71) Nimbus Lakshmi, Inc.  
 (21) 2022256121 (22) 19.10.2022  
 (54) Tyk2 inhibitors, uses, and methods for  
 production thereof  
 (62) 2018230737

(71) OASE GmbH  
 (21) 2022256165 (22) 20.10.2022  
 (54) Fish food composition and its use  
 (31) 21214066.9 (32) 13.12.21 (33) EP

(71) OLIWARD PTY LTD  
 (21) 2022256197 (22) 21.10.2022  
 (54) Frozen Storage Facility Powered by  
 Carbon

(71) OMNI Solutions LLC  
 (21) 2022256164 (22) 20.10.2022  
 (54) WASHING SYSTEMS  
 (62) 2017311507

(71) OptiMed Medizinische Instrumente  
 GmbH  
 (21) 2022259702 (22) 24.10.2022  
 (54) STENT  
 (31) 10 2021 127 510.5 (32) 22.10.21 (33) DE

(71) OptiMed Medizinische Instrumente  
 GmbH  
 (21) 2022259703 (22) 24.10.2022  
 (54) STENT  
 (31) 10 2021 127 509.1 (32) 22.10.21 (33) DE

(71) Oticon Medical A/S  
 (21) 2022256226 (22) 21.10.2022  
 (54) Bone Anchored Hearing Implant  
 Device, Hearing Device System and  
 Signal Processing Method  
 (31) 21204113.1 (32) 22.10.21 (33) EP

(71) Paratek Pharmaceuticals, Inc.  
 (21) 2022256106 (22) 18.10.2022  
 (54) MINOCYCLINE COMPOUNDS FOR  
 BIODEFENSE  
 (62) 2020260450

(71) PASTRO-CUSTOM AG Pty Ltd  
 (21) 2022256183 (22) 20.10.2022  
 (54) A CHEMICAL DE-SUCKERING MA-  
 CHINE

**Pfizer Inc. see Verastem, Inc.**  
 (21) 2022256144

(71) PICTOMETRY INTERNATIONAL  
 CORP.  
 (21) 2022256202 (22) 21.10.2022  
 (54) METHOD AND SYSTEM FOR QUICK  
 SQUARE ROOF REPORTING  
 (62) 2020233762

(71) Polaris Industries Inc.  
 (21) 2022256136 (22) 19.10.2022  
 (54) Hybrid utility vehicle  
 (62) 2019355138

(71) Power Hero Corp.  
 (21) 2022256221 (22) 21.10.2022  
 (54) An automated system for managing  
 and providing a network of charging  
 stations  
 (62) 2017308799

(71) PROTOSTAR GROUP LTD.  
 (21) 2022256145 (22) 19.10.2022  
 (54) NANOBUBBLES AND GAS-LIQUID  
 MIXTURES FOR ENHANCED CAR-  
 BON DIOXIDE SEQUESTRATION  
 (31) 63/303,060 (32) 26.01.22 (33) US  
 17/932,363 15.09.22 US

(71) REBIOTIX, INC.  
 (21) 2022256174 (22) 20.10.2022  
 (54) Microbiota restoration therapy (MRT)  
 compositions and methods of manufac-  
 ture  
 (62) 2020220084

(71) Relinia, Inc.  
 (21) 2022256166 (22) 20.10.2022  
 (54) Single-chain TNF receptor 2 agonist fu-  
 sion proteins  
 (62) 2018281337

(71) ResMed Pty Ltd  
 (21) 2022256140 (22) 19.10.2022  
 (54) BREATHABLE GAS APPARATUS  
 WITH HUMIDIFIER  
 (62) 2020220049

(71) Sagetech Medical Equipment Limited  
 (21) 2022259700 (22) 24.10.2022  
 (54) Improvements to the manufacture and  
 remanufacture of volatile anaesthetic  
 agents using supercritical fluids  
 (62) 2017222392

(71) Samsung Electronics Co., Ltd.  
 (21) 2022256120 (22) 19.10.2022  
 (54) RESOURCE ISOLATION IN COMPU-  
 TATIONAL STORAGE DEVICES  
 (31) 63/270,049 (32) 20.10.21 (33) US  
 17/558,587 21.12.21 US

(71) Samsung Heavy Ind. Co., Ltd  
 (21) 2022256150 (22) 20.10.2022  
 (54) Fluid cooling apparatus  
 (62) 2020217460

(71) Samus Therapeutics, Inc.  
 (21) 2022256110 (22) 18.10.2022  
 (54) Hsp90 inhibitor oral formulations and  
 related methods  
 (62) 2018257901

(71) Sandvik Intellectual Property AB  
 (21) 2022256223 (22) 21.10.2022  
 (54) A tube and a method of manufacturing  
 a tube  
 (62) 2016403428

Complete Applications Filed - Name Index cont'd

(71) Schmetzer Industries Holdings Pty Limited  
 (21) 2022256229 (22) 21.10.2022  
 (54) INSULATION MATERIAL ARRANGEMENT  
 (62) 2017257395

(71) Shat-R-Shield, Inc.  
 (21) 2022256220 (22) 21.10.2022  
 (54) LED luminaire  
 (62) 2017257467

(71) Shijianzhuang Jinken Technology Co  
 (21) 2022256228 (22) 21.10.2022  
 (54) Concentrate Sorting System With Automatic Dynamic Equilibrium  
 (62) 2016204367

(71) Snap-on Incorporated  
 (21) 2022256132 (22) 19.10.2022  
 (54) Motor controller for a tool  
 (31) 17/524,029 (32) 11.11.21 (33) US

(71) Snap-On Incorporated  
 (21) 2022256134 (22) 19.10.2022  
 (54) Adjustable pliers  
 (31) 17/516,680 (32) 01.11.21 (33) US

(71) Syqe Medical Ltd.  
 (21) 2022256225 (22) 21.10.2022  
 (54) Low Dose Therapeutic Treatment  
 (62) 2017204945

(71) Techtronic Cordless GP  
 (21) 2022256118 (22) 19.10.2022  
 (54) Portable power supply device for an electric tool  
 (31) 202111370840.3 (32) 18.11.21 (33) CN

(71) The General Hospital Corporation  
 (21) 2022256191 (22) 21.10.2022  
 (54) Inducible, tunable, and multiplex human gene regulation using crispr-Cpf1  
 (62) 2018254616

(71) The Gillette Company LLC  
 (21) 2022256217 (22) 21.10.2022  
 (54) RAZOR BLADES  
 (62) 2020260446

(71) The Goodyear Tire & Rubber Company  
 (21) 2022256210 (22) 21.10.2022  
 (54) Cord and tire with specified cord construction  
 (31) 17/519,031 (32) 04.11.21 (33) US

(71) The Hospital for Sick Children; University Health Network  
 (21) 2022256193 (22) 21.10.2022

(54) Compositions and methods for treating hematologic cancers targeting the SIRPa-CD47 interaction  
 (62) 2020220183

(71) The Johns Hopkins University; Mayo Foundation for Medical Education and Research; Buck Institute for Research on Aging; Unity Biotechnology, Inc.  
 (21) 2022256167 (22) 20.10.2022  
 (54) Methods and compositions for killing senescent cells and for treating senescence-associated diseases and disorders  
 (62) 2020244600

(71) The Regents of the University of California  
 (21) 2022256122 (22) 19.10.2022  
 (54) Novel Proteins From Anaerobic Fungi And Uses Thereof  
 (62) 2016366227

(71) The Regents of the University of California  
 (21) 2022256169 (22) 20.10.2022  
 (54) Methods and compositions for detecting a target RNA  
 (62) 2017283538

(71) The United States of America, as represented by the Secretary, Department of Health and Human Services  
 (21) 2022256143 (22) 19.10.2022  
 (54) Brachyury deletion mutants, non-yeast vectors encoding brachyury deletion mutants, and their use  
 (62) 2016302237

(71) The University of North Carolina at Chapel Hill  
 (21) 2022256172 (22) 20.10.2022  
 (54) Methods and compositions for dual glycan binding AAV vectors  
 (62) 2020294360

(71) Third Equation Ltd  
 (21) 2022256151 (22) 20.10.2022  
 (54) An electrical power supply system and process  
 (62) 2017305109

**Unity Biotechnology, Inc. see The Johns Hopkins University**  
 (21) 2022256167

**University Health Network see The Hospital for Sick Children**  
 (21) 2022256193

(71) Verastem, Inc.; Pfizer Inc.  
 (21) 2022256144 (22) 19.10.2022

(54) Compositions and methods for treatment of abnormal cell growth  
 (62) 2020210153

(71) Vertex Pharmaceuticals Incorporated  
 (21) 2022256154 (22) 20.10.2022  
 (54) Method for treating cancer using a combination of DNA damaging agents and ATR inhibitors  
 (62) 2016331955

(71) Vidovic, S.  
 (21) 2022256178 (22) 20.10.2022  
 (54) Motorized cabinet door  
 (31) 2021903426 (32) 26.10.21 (33) AU

(71) Voestalpine Signaling USA Inc.  
 (21) 2022256187 (22) 20.10.2022  
 (54) Railcar acoustic monitoring system and method of use  
 (62) 2019333159

(71) Vorwerk & Co. Interholding GmbH  
 (21) 2022256180 (22) 20.10.2022  
 (54) System and method for a food preparation  
 (31) 21208127.7 (32) 15.11.21 (33) EP

(71) Weber-Stephen Products LLC  
 (21) 2022256109 (22) 18.10.2022  
 (54) Pellet grills  
 (62) 2019424803

(71) Whitehead Institute for Biomedical Research  
 (21) 2022256173 (22) 20.10.2022  
 (54) Programming and reprogramming of cells  
 (62) 2020201245

(71) Yang, S.  
 (21) 2022259715 (22) 24.10.2022  
 (54) Modularized Menu Providing System  
 (62) 2019265260

(71) Zillow, Inc.  
 (21) 2022259701 (22) 24.10.2022  
 (54) Automated tools for incremental generation of building mapping information  
 (31) 17/872,914 (32) 24.07.22 (33) US

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<b>2022256093</b>	Dragic, M.	<b>2022256168</b>	Angel Group Co., Ltd.
<b>2022256094</b>	Evrys Bio, LLC	<b>2022256169</b>	The Regents of the University of California
<b>2022256095</b>	Freudenberg Medical, LLC	<b>2022256170</b>	Halliburton Energy Services, Inc.
<b>2022256096</b>	Baxter International Inc.; Baxter Healthcare SA	<b>2022256172</b>	The University of North Carolina at Chapel Hill
<b>2022256097</b>	Colgate-Palmolive Company	<b>2022256173</b>	Whitehead Institute for Biomedical Research
<b>2022256098</b>	Eloxx Pharmaceuticals Ltd.	<b>2022256174</b>	REBIOTIX, INC.
<b>2022256099</b>	National Student Clearinghouse	<b>2022256175</b>	Lakewood Amedex, Inc.
<b>2022256101</b>	Halliburton Energy Services, Inc.	<b>2022256176</b>	MANGROVE WATER TECHNOLOGIES LTD
<b>2022256102</b>	CNH Industrial America LLC	<b>2022256177</b>	Adaptimmune Limited
<b>2022256105</b>	Aarbakke Innovation AS	<b>2022256178</b>	Vidovic, S.
<b>2022256106</b>	Paratek Pharmaceuticals, Inc.	<b>2022256179</b>	Givaudan S.A.; Chemcon S.A.
<b>2022256107</b>	DSI Underground Australia Pty Limited	<b>2022256180</b>	Vorwerk & Co. Interholding GmbH
<b>2022256108</b>	CAF Corporation Pty Ltd	<b>2022256181</b>	Adaptimmune Limited
<b>2022256109</b>	Weber-Stephen Products LLC	<b>2022256182</b>	Adaptimmune Limited
<b>2022256110</b>	Samus Therapeutics, Inc.	<b>2022256183</b>	PASTRO-CUSTOM AG Pty Ltd
<b>2022256111</b>	DLT Group Pty Ltd	<b>2022256184</b>	Ball Corporation
<b>2022256118</b>	Techtronic Cordless GP	<b>2022256185</b>	JAMES L. ORRINGTON, II D.D.S., P.C.
<b>2022256119</b>	Gilead Sciences, Inc.	<b>2022256186</b>	Hilti Aktiengesellschaft
<b>2022256120</b>	Samsung Electronics Co., Ltd.	<b>2022256187</b>	Voestalpine Signaling USA Inc.
<b>2022256121</b>	Nimbus Lakshmi, Inc.	<b>2022256188</b>	Fantasy Gaming Corporation Pty Ltd
<b>2022256122</b>	The Regents of the University of California	<b>2022256189</b>	CSR Building Products Limited
<b>2022256123</b>	Becton, Dickinson and Company	<b>2022256190</b>	LG Electronics Inc.
<b>2022256124</b>	DINH, P.	<b>2022256191</b>	The General Hospital Corporation
<b>2022256125</b>	Georgia State University Research Foundation Inc.; Beth Israel Deaconess Medical Center	<b>2022256192</b>	Niantic, Inc.
<b>2022256126</b>	Becton, Dickinson and Company	<b>2022256193</b>	The Hospital for Sick Children; University Health Network
<b>2022256127</b>	Equifax Inc.	<b>2022256194</b>	Allen, T.
<b>2022256128</b>	Canon Kabushiki Kaisha	<b>2022256196</b>	Kyocera Senco Industrial Tools, Inc.
<b>2022256129</b>	Google LLC	<b>2022256197</b>	OLIWARD PTY LTD
<b>2022256130</b>	CATERPILLAR INC.	<b>2022256198</b>	Montrae Mining Pty Ltd
<b>2022256131</b>	Immunocore Limited	<b>2022256199</b>	F. Hoffmann-La Roche AG
<b>2022256132</b>	Snap-on Incorporated	<b>2022256200</b>	Lam, T.T.
<b>2022256133</b>	Graco Minnesota Inc.	<b>2022256201</b>	Acuitas Therapeutics Inc.
<b>2022256134</b>	Snap-On Incorporated	<b>2022256202</b>	PICTOMETRY INTERNATIONAL CORP.
<b>2022256135</b>	Abbott Diabetes Care Inc.	<b>2022256203</b>	Nilar International AB
<b>2022256136</b>	Polaris Industries Inc.	<b>2022256204</b>	Labelmakers Flexibles and Linerless Pty Ltd
<b>2022256137</b>	Google LLC	<b>2022256205</b>	Arete Associates
<b>2022256138</b>	Huawei Technologies Co., Ltd.	<b>2022256206</b>	Ekona Power Inc.
<b>2022256139</b>	Memorial Sloan-Kettering Cancer Center	<b>2022256207</b>	Landers, W.
<b>2022256140</b>	ResMed Pty Ltd	<b>2022256208</b>	Aristocrat Technologies, Inc.
<b>2022256141</b>	CATERPILLAR INC.	<b>2022256209</b>	Aristocrat Technologies Australia Pty Limited
<b>2022256142</b>	ASSIA SPE, LLC	<b>2022256210</b>	The Goodyear Tire & Rubber Company
<b>2022256143</b>	The United States of America, as represented by the Secretary, Department of Health and Human Services	<b>2022256211</b>	Implantica Patent Ltd
<b>2022256144</b>	Verastem, Inc.; Pfizer Inc.	<b>2022256213</b>	Berkeley Lights, Inc.
<b>2022256145</b>	PROTOSTAR GROUP LTD.	<b>2022256214</b>	Electrical Subsea & Drilling AS
<b>2022256146</b>	Dexcom, Inc.	<b>2022256215</b>	MERCK PATENT GMBH
<b>2022256147</b>	Jennerjahn Machine, Inc.	<b>2022256216</b>	Lakewood Amedex, Inc.
<b>2022256149</b>	Hamm AG	<b>2022256217</b>	The Gillette Company LLC
<b>2022256150</b>	Samsung Heavy Ind. Co., Ltd	<b>2022256218</b>	Komatsu Ltd.
<b>2022256151</b>	Third Equation Ltd	<b>2022256219</b>	Baylor College of Medicine
<b>2022256152</b>	Hamm AG	<b>2022256220</b>	Shat-R-Shield, Inc.
<b>2022256153</b>	Nexans	<b>2022256221</b>	Power Hero Corp.
<b>2022256154</b>	Vertex Pharmaceuticals Incorporated	<b>2022256222</b>	M&R Solutions Pty Ltd
<b>2022256155</b>	Apple Inc.	<b>2022256223</b>	Sandvik Intellectual Property AB
<b>2022256156</b>	Conmed Corporation	<b>2022256225</b>	Syqe Medical Ltd.
<b>2022256158</b>	Ascendis Pharma Bone Diseases A/S	<b>2022256226</b>	Oticon Medical A/S
<b>2022256159</b>	HOWMEDICA OSTEONICS CORP.	<b>2022256227</b>	Heiniger Limited
<b>2022256160</b>	Allergan, Inc.	<b>2022256228</b>	Shijianzhuang Jinken Technology Co
<b>2022256161</b>	AMVAC Hong Kong Limited	<b>2022256229</b>	Schmetzer Industries Holdings Pty Limited
<b>2022256162</b>	ConMed Corporation	<b>2022256230</b>	Lam, T.T.
<b>2022256163</b>	Genentech, Inc.	<b>2022256231</b>	Cooper, G.
<b>2022256164</b>	OMNI Solutions LLC	<b>2022256232</b>	Netsweeper (Barbados) Inc.
<b>2022256165</b>	OASE GmbH	<b>2022256995</b>	National University of Singapore
<b>2022256166</b>	Relinia, Inc.	<b>2022257242</b>	Levation Pharma Ltd.
<b>2022256167</b>	The Johns Hopkins University; Mayo Foundation for Medical Education and Research; Buck Institute for Research on Aging; Unity Biotechnology, Inc.	<b>2022259699</b>	Nexans
		<b>2022259700</b>	Sagetech Medical Equipment Limited
		<b>2022259701</b>	Zillow, Inc.
		<b>2022259702</b>	OptiMed Medizinische Instrumente GmbH

**Complete Applications Filed - Numerical Index cont'd**

**2022259703** OptiMed Medizinische Instrumente GmbH  
**2022259705** du Blêt, G.  
**2022259706** Affymetrix, Inc.  
**2022259707** Mettler Packaging Pty. Ltd.  
**2022259715** Yang, S.  
**2022263535** Mallouhi, E.

**Innovation Patent Applications Filed**

**Name Index**

Applications listed below were processed through the Patent Office Canberra during the period ending 1 Nov 2022 .  
(This list may contain multiple listings of a patent application where there are multiple applicants for that patent.)

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(71) ARCTECH SOLAR HOLDING CO., LTD.  
(21) 2022100162 (22) 08.11.2022  
(54) TORQUE TUBE WITH PENTAGONAL CROSS-SECTION AND SOLAR STRUCTURE  
(62) PCT/CN2021/104133

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(71) BASF Plant Science Company GmbH  
(21) 2022100155 (22) 04.11.2022  
(54) Improved methods for modification of target nucleic acids  
(62) 2017256517

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(71) BASF Plant Science Company GmbH  
(21) 2022100157 (22) 04.11.2022  
(54) Improved methods for modification of target nucleic acids  
(62) 2017256517

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(71) BASF Plant Science Company GmbH  
(21) 2022100158 (22) 04.11.2022  
(54) Improved methods for modification of target nucleic acids  
(62) 2017256517

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(71) BASF Plant Science Company GmbH  
(21) 2022100159 (22) 04.11.2022  
(54) Improved methods for modification of target nucleic acids  
(62) 2017256517

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(71) Core Advantage Pty Ltd  
(21) 2022100161 (22) 08.11.2022  
(54) Velocity-based training  
(62) 2021217998

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(71) Easy PV (Aust) Pty Limited  
(21) 2022100152 (22) 02.11.2022  
(54) AN INVERTER FOR AN ENERGY CAPTURE AND STORAGE SYSTEM  
(62) 2021221722

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(71) Milwaukee Electric Tool Corporation  
(21) 2022100154 (22) 03.11.2022  
(54) Modular tool container  
(62) PCT/US2021/026584

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(71) OrthAlign, Inc.  
(21) 2022100156 (22) 04.11.2022  
(54) HIP REPLACEMENT NAVIGATION SYSTEMS AND METHODS  
(62) 2018236220

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(71) Topaz Trading Pty Ltd  
(21) 2022100153 (22) 03.11.2022  
(54) A cap for covering a mounting flange of a post anchor and post anchor  
(62) 2020276319

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(71) Tuffstuff International Pty Ltd  
(21) 2022100160 (22) 07.11.2022  
(54) Roller Support Apparatus & Method  
(62) 2020203013



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**2022100152** Easy PV (Aust) Pty Limited  
**2022100153** Topaz Trading Pty Ltd  
**2022100154** Milwaukee Electric Tool Corporation  
**2022100155** BASF Plant Science Company GmbH  
**2022100156** OrthAlign, Inc.  
**2022100157** BASF Plant Science Company GmbH

**2022100158** BASF Plant Science Company GmbH  
**2022100159** BASF Plant Science Company GmbH  
**2022100160** Tuffstuff International Pty Ltd  
**2022100161** Core Advantage Pty Ltd  
**2022100162** ARCTECH SOLAR HOLDING CO., LTD.

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

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

The codes next to each number have the following meanings:

**Code Meaning**

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

**2002**

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- 2002301768 ( 14 )    2002301897 ( 14 )    2002332990 ( 14 )
- 2002332995 ( 14 )    2002333000 ( 14 )    2002335928 ( 14 )
- 2002335929 ( 14 )    2002335952 ( 14 )    2002336670 ( 14 )
- 2002337478 ( 14 )    2002338008 ( 14 )    2002340294 ( 14 )
- 2002341458 ( 14 )    2002342134 ( 14 )    2002342151 ( 14 )
- 2002342154 ( 14 )    2002342551 ( 14 )    2002343212 ( 14 )
- 2002343281 ( 14 )    2002343580 ( 14 )    2002343802 ( 14 )
- 2002344596 ( 14 )    2002347414 ( 14 )    2002347692 ( 14 )
- 2002348080 ( 14 )    2002348087 ( 14 )    2002348127 ( 14 )
- 2002348417 ( 14 )    2002348703 ( 14 )    2002350080 ( 14 )
- 2002350095 ( 14 )    2002351809 ( 14 )    2002352112 ( 14 )
- 2002353909 ( 14 )    2002353954 ( 14 )    2002357689 ( 14 )
- 2002363141 ( 14 )    2002363181 ( 14 )    2002363201 ( 14 )
- 2002363244 ( 14 )    2002363321 ( 14 )    2002363427 ( 14 )

**2003**

- 2003203813 ( 14 )    2003203881 ( 14 )    2003225206 ( 14 )
- 2003229719 ( 14 )    2003231089 ( 14 )    2003231090 ( 14 )

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**2004**

- 2004201619 ( 14 )    2004232300 ( 14 )    2004232488 ( 14 )
- 2004233273 ( 14 )    2004233334 ( 14 )    2004234365 ( 14 )
- 2004237615 ( 14 )    2004238081 ( 14 )    2004273574 ( 14 )

**2005**

- 2005201658 ( 14 )    2005235626 ( 14 )    2005244202 ( 14 )
- 2005245065 ( 14 )    2005249898 ( 14 )    2005249908 ( 14 )
- 2005251343 ( 14 )    2005331432 ( 14 )

**2006**

- 2006201617 ( 14 )    2006201675 ( 14 )    2006201696 ( 14 )
- 2006236345 ( 14 )    2006236409 ( 14 )    2006237742 ( 14 )
- 2006239811 ( 14 )    2006239857 ( 14 )    2006239877 ( 14 )
- 2006240708 ( 14 )    2006241524 ( 14 )    2006243161 ( 14 )
- 2006249245 ( 14 )    2006255323 ( 14 )

**2007**

- 2007201770 ( 14 )    2007201812 ( 14 )    2007242052 ( 14 )
- 2007242056 ( 14 )    2007242061 ( 14 )    2007242065 ( 14 )
- 2007242682 ( 14 )    2007244951 ( 14 )    2007247242 ( 14 )
- 2007248284 ( 14 )    2007252020 ( 14 )    2007252021 ( 14 )
- 2007319714 ( 14 )    2007351676 ( 14 )

**2008**

- 2008240341 ( 14 )    2008240382 ( 14 )    2008241388 ( 14 )
- 2008244483 ( 14 )    2008245794 ( 14 )    2008248294 ( 14 )
- 2008249370 ( 14 )    2008252057 ( 14 )    2008255374 ( 14 )

**2009**

- 2009200961 ( 14 )    2009201027 ( 14 )    2009201105 ( 14 )
- 2009201548 ( 14 )    2009201576 ( 14 )    2009202161 ( 14 )
- 2009213032 ( 14 )    2009238937 ( 14 )    2009239074 ( 14 )
- 2009239471 ( 14 )    2009240026 ( 14 )    2009240035 ( 14 )
- 2009240738 ( 14 )    2009240770 ( 14 )    2009300276 ( 14 )

**2010**

- 2010201115 ( 14 )    2010202503 ( 14 )    2010238657 ( 14 )
- 2010238787 ( 14 )    2010239153 ( 14 )    2010240197 ( 14 )
- 2010240730 ( 14 )    2010295189 ( 14 )

**2011**

- 2011200533 ( 14 )    2011201806 ( 14 )    2011201823 ( 14 )
- 2011202072 ( 14 )    2011242465 ( 14 )    2011242711 ( 14 )
- 2011244024 ( 14 )    2011244379 ( 14 )    2011247276 ( 14 )
- 2011248798 ( 14 )    2011248843 ( 14 )    2011256881 ( 14 )
- 2011271675 ( 14 )    2011366131 ( 14 )

**2012**

- 2012201891 ( 14 )    2012216790 ( 14 )    2012227216 ( 14 )
- 2012238242 ( 14 )    2012244764 ( 14 )    2012245969 ( 14 )
- 2012246831 ( 14 )    2012248427 ( 14 )    2012249983 ( 14 )
- 2012250449 ( 14 )    2012251445 ( 14 )    2012252689 ( 14 )
- 2012257641 ( 14 )    2012328082 ( 14 )    2012373188 ( 14 )
- 2012377127 ( 14 )

**2013**

- 2013200106 ( 14 )    2013248984 ( 14 )    2013249088 ( 14 )
- 2013253096 ( 14 )    2013254276 ( 14 )    2013254645 ( 14 )
- 2013254712 ( 14 )    2013297324 ( 14 )    2013308127 ( 14 )

**2014**

- 2014101597 ( 22 )    2014202236 ( 14 )    2014203396 ( 14 )
- 2014214554 ( 14 )    2014253706 ( 14 )    2014255475 ( 14 )
- 2014255617 ( 14 )    2014256877 ( 14 )    2014257234 ( 14 )
- 2014257319 ( 14 )    2014258051 ( 14 )    2014258068 ( 14 )
- 2014258137 ( 14 )    2014259037 ( 14 )    2014259373 ( 14 )
- 2014260848 ( 14 )    2014260849 ( 14 )    2014318324 ( 14 )
- 2014391862 ( 14 )

**2015**

2015100573 ( 22 ) 2015201972 ( 14 ) 2015202109 ( 14 )  
 2015205914 ( 14 ) 2015249283 ( 14 ) 2015249371 ( 14 )  
 2015249633 ( 14 ) 2015249699 ( 14 ) 2015249760 ( 14 )  
 2015249841 ( 14 ) 2015250799 ( 14 ) 2015250900 ( 14 )  
 2015250913 ( 14 ) 2015251499 ( 14 ) 2015251501 ( 14 )  
 2015253568 ( 14 ) 2015254783 ( 14 ) 2015254790 ( 14 )  
 2015255259 ( 14 ) 2015256473 ( 14 ) 2015259744 ( 14 )  
 2015267645 ( 14 ) 2015282367 ( 5C ) 2015381790 ( 14 )

**2016**

2016202461 ( 14 ) 2016204367 ( 5C ) 2016228170 ( 14 )  
 2016228945 ( 5C ) 2016251531 ( 14 ) 2016251707 ( 14 )  
 2016252237 ( 14 ) 2016254582 ( 14 ) 2016255815 ( 14 )  
 2016258767 ( 14 ) 2016263653 ( 14 ) 2016263654 ( 14 )  
 2016265624 ( 14 ) 2016269435 ( 14 ) 2016269560 ( 25D )  
 2016315853 ( 5C ) 2016356737 ( 5C ) 2016403428 ( 5C )

**2017**

2017100429 ( 22E ) 2017100438 ( 22E ) 2017100444 ( 22E )  
 2017100445 ( 22E ) 2017100905 ( 22 ) 2017101849 ( 22 )  
 2017202663 ( 4C ) 2017208715 ( 5C ) 2017211274 ( 5C )  
 2017222392 ( 5C ) 2017246942 ( 5C ) 2017252595 ( 14 )  
 2017253317 ( 14 ) 2017253494 ( 4C ) 2017256269 ( 14 )  
 2017256505 ( 14 ) 2017257320 ( 4C ) 2017257330 ( 4C )  
 2017257467 ( 5C ) 2017257501 ( 4C ) 2017261503 ( 1B )  
 2017261842 ( 5C ) 2017305109 ( 5C ) 2017368268 ( 5C )  
 2017377773 ( 5C ) 2017378409 ( 5C ) 2017391795 ( 5C )  
 2017392666 ( 5C ) 2017410174 ( 4C ) 2017411446 ( 14 )  
 2017439527 ( 1B ) 2017439568 ( 1B ) 2017439700 ( 1B )  
 2017439705 ( 1B ) 2017439718 ( 1B ) 2017439729 ( 1B )  
 2017439930 ( 1B ) 2017439937 ( 1B ) 2017439969 ( 1B )  
 2017440037 ( 1B ) 2017440613 ( 1B )

**2018**

2018100504 ( 22E ) 2018202749 ( 14 ) 2018202761 ( 14 )  
 2018202769 ( 4B ) 2018202771 ( 4B ) 2018202798 ( 4A )  
 2018202828 ( 4B ) 2018202835 ( 4D ) 2018202837 ( 14 )  
 2018202858 ( 4A ) 2018243770 ( 5C ) 2018253907 ( 4C )  
 2018254517 ( 4C ) 2018255413 ( 4C ) 2018256433 ( 4C )  
 2018256578 ( 14 ) 2018257301 ( 14 ) 2018257901 ( 5C )  
 2018258169 ( 14 ) 2018258277 ( 14 ) 2018259157 ( 4C )  
 2018260098 ( 4C ) 2018260628 ( 4C ) 2018260847 ( 1B )  
 2018260856 ( 1B ) 2018263978 ( 1B ) 2018263986 ( 1B )  
 2018264027 ( 1B ) 2018266281 ( 4B ) 2018267552 ( 1B )  
 2018267576 ( 1B ) 2018267579 ( 1B ) 2018270565 ( 14 )  
 2018293542 ( 4B ) 2018297141 ( 14 ) 2018312421 ( 5C )  
 2018330458 ( 12C ) 2018347242 ( 4B ) 2018347619 ( 5C )  
 2018365046 ( 4B ) 2018366352 ( 1B ) 2018366364 ( 1B )  
 2018366927 ( 1B ) 2018367015 ( 1B ) 2018367058 ( 1B )  
 2018367159 ( 4B ) 2018367525 ( 1B ) 2018367592 ( 1B )  
 2018367957 ( 1B ) 2018368783 ( 1B ) 2018369621 ( 1B )  
 2018369664 ( 1B ) 2018369883 ( 1B ) 2018369912 ( 1B )  
 2018370015 ( 1B ) 2018370018 ( 1B ) 2018370117 ( 1B )  
 2018370755 ( 1B ) 2018372177 ( 1B ) 2018372544 ( 1B )  
 2018372763 ( 1B ) 2018373028 ( 1B ) 2018373698 ( 1B )  
 2018419495 ( 4A ) 2018420587 ( 4A )

**2019**

2019100421 ( 22E ) 2019100422 ( 22E ) 2019100431 ( 22G )  
 2019219194 ( 5C ) 2019221638 ( 5C ) 2019259296 ( 5C )  
 2019260040 ( 5C ) 2019268405 ( 5C ) 2019280846 ( 5C )  
 2019284230 ( 5C ) 2019301320 ( 5C ) 2019360278 ( 5C )

**2020**

2020100600 ( 22E ) 2020100603 ( 22G ) 2020100606 ( 22E )  
 2020100609 ( 22E ) 2020100610 ( 22E ) 2020100612 ( 22E )  
 2020100616 ( 22E ) 2020100621 ( 22E ) 2020100624 ( 22E )  
 2020100625 ( 22E ) 2020100627 ( 22E ) 2020100628 ( 22E )  
 2020100630 ( 22E ) 2020100631 ( 22E ) 2020100634 ( 22E )  
 2020101024 ( 22E ) 2020101026 ( 22E ) 2020101027 ( 22E )  
 2020101034 ( 22E ) 2020101035 ( 22E ) 2020101183 ( 22E )  
 2020101421 ( 22E ) 2020103654 ( 22E ) 2020200394 ( 4C )

2020213364 ( 5C ) 2020217460 ( 5C ) 2020220183 ( 5C )  
 2020220187 ( 4C ) 2020223714 ( 5C ) 2020226999 ( 5C )  
 2020227081 ( 5C ) 2020233762 ( 5C ) 2020233776 ( 5C )  
 2020244385 ( 5C ) 2020244600 ( 5C ) 2020253553 ( 5C )  
 2020256388 ( 5C ) 2020257127 ( 5C ) 2020260446 ( 5C )  
 2020270483 ( 5C ) 2020289771 ( 5C ) 2020289788 ( 14 )  
 2020289803 ( 5C )

**2021**

2021200109 ( 4C ) 2021201052 ( 5C ) 2021201093 ( 5C )  
 2021201952 ( 5C ) 2021203361 ( 4C ) 2021204055 ( 5C )  
 2021221598 ( 5CN ) 2021903514 ( 12AN ) 2021904156 ( 12AN )

**2022**

2022202226 ( 4C ) 2022209322 ( 1B ) 2022215183 ( 1B )  
 2022215235 ( 1B ) 2022218498 ( 7AN ) 2022218503 ( 7AN )  
 2022902387 ( 17AN )

**Assignments before Grant, Section 113**

**2011**

2011901560 Brian Investments Pty Ltd The application has been assigned to **Metso Minerals Oy**

**2013**

2013903138 Brian Investments Pty Ltd The application has been assigned to **Metso Minerals Oy**

**2016**

2016201211 Brian Investments Pty Ltd The application has been assigned to **Metso Minerals Oy**

**2017**

2017260583 Brian Investments Pty Ltd The application has been assigned to **Metso Minerals Oy**

2017276814 Brian Investments Pty Ltd The application has been assigned to **Metso Minerals Oy**

**2018**

2018201946 Brian Investments Pty Ltd The application has been assigned to **Metso Minerals Oy**

2018230771 International Private Bank LLC The application has been assigned to **COH HoldCo Inc.**

2018280741 ObsEva S.A. The application has been assigned to **Kissei Pharmaceutical Co., Ltd.**

2018280742 ObsEva S.A. The application has been assigned to **Kissei Pharmaceutical Co., Ltd.**

**2019**

2019253085 Zumbuehl, Andreas; Board of Regents, The University of Texas System The application has been assigned to **Acthera Therapeutics Ltd.; Board of Regents, The University of Texas System**

2019316431 Teijin Limited; JCR Pharmaceuticals Co., Ltd. The application has been assigned to **JCR Pharmaceuticals Co., Ltd.**

2019348191 Brian Investments Pty Ltd The application has been assigned to **Metso Minerals Oy**

**Assignments before Grant, Section 113**

2019373349 ObsEva S.A. The application has been assigned to **Kissei Pharmaceutical Co., Ltd.**

**2020**

2020200344 Brian Investments Pty Ltd The application has been assigned to **Metso Minerals Oy**

2020203576 Brian Investments Pty Ltd The application has been assigned to **Metso Minerals Oy**

2020264312 White Buffalo, Inc. The application has been assigned to **Field Engine Wildlife Research and Management LLC**

2020286179 Brian Investments Pty Ltd The application has been assigned to **Metso Minerals Oy**

2020286180 Brian Investments Pty Ltd The application has been assigned to **Metso Minerals Oy**

2020297253 Technische Universität Wien; Tagworks Pharmaceuticals B.V. The application has been assigned to **Tagworks Pharmaceuticals B.V.**

2020325655 ObsEva S.A. The application has been assigned to **Kissei Pharmaceutical Co., Ltd.**

2020370625 Brichta, Lars; Chemistry Rx The application has been assigned to **Chemistry Rx**

2020377532 Johnson Matthey Public Limited Company The application has been assigned to **EV Metals UK Limited**

2020410170 Johnson Matthey Public Limited Company The application has been assigned to **EV Metals UK Limited**

**2021**

2021204344 Ivantis, Inc. The application has been assigned to **Alcon Inc.**

2021204352 Aflux B.V. The application has been assigned to **Sim-Lab B.V.**

2021206578 Johnson Matthey Public Limited Company The application has been assigned to **EV Metals UK Limited**

2021212104 IVANTIS, INC. The application has been assigned to **Alcon Inc.**

2021223904 Johnson Matthey Public Limited Company The application has been assigned to **EV Metals UK Limited**

2021223905 Johnson Matthey Public Limited Company The application has been assigned to **EV Metals UK Limited**

**2022**

2022204035 Hodgson, Thomas; Oakley, Simon The application has been assigned to **Nilo Global Limited**

**Assignments before Grant, Section 113**

2022902530 HALE, JOHN DAVID; JAIN, ROHIT; MATTISON, STEPHANIE; SALI, SONALI; BLIS TECHNOLOGIES LIMITED The application has been assigned to **BLIS TECHNOLOGIES LIMITED**

**Extensions of Time, Section 223**

**Applications Received**

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

**2006**

2006203057 **Reliance Worldwide Corporation (Aust.) Pty. Ltd.** An application to extend the time from 18 Jul 2021 to 18 Aug 2022 in which to pay a renewal fee has been filed . Address for service - Allens Patent & Trade Mark Attorneys GPO Box 1776 Melbourne VIC 3001 AU

**2013**

2013308155 **AWE spol. s r.o** An application to extend the time from 13 May 2021 to 13 Sep 2022 in which to pay a renewal fee has been filed . Address for service - BOSH IP Pty Ltd PO Box 24035 Melbourne VIC 3001 AU

**2014**

2014235303 **Perfect Company, a Delaware corporation** An application to extend the time from 12 Mar 2022 to 12 Oct 2022 in which to pay a renewal fee has been filed . Address for service - Phillips Ormonde Fitzpatrick PO Box 323 COLLINS STREET WEST VIC 8007 AU

**2016**

2016202020 **Perfect Company, a Delaware corporation** An application to extend the time from 12 Mar 2022 to 12 Oct 2022 in which to pay a renewal fee has been filed . Address for service - Phillips Ormonde Fitzpatrick PO Box 323 COLLINS STREET WEST VIC 8007 AU

**2017**

2017264993 **Perfect Company, a Delaware corporation** An application to extend the time from 12 Mar 2022 to 12 Oct 2022 in which to pay a renewal fee has been filed . Address for service - Phillips Ormonde Fitzpatrick PO Box 323 COLLINS STREET WEST VIC 8007 AU

**2019**

2019100431 **Brett, J.** An application to extend the time from 24 Apr 2022 to 24 Nov 2022 in which to pay a renewal fee has been filed . Address for service - FORWARD INTELLECTUAL PROPERTY PTY LTD U 3 127 Crown Rd Queenscliff NSW 2096 AU

2019200801 **Perfect Company, a Delaware corporation** An application to extend the time from 12 Mar 2022 to 12 Oct 2022 in which to pay a renewal fee has been filed . Address for service - Phillips Ormonde Fitzpatrick PO Box 323 COLLINS STREET WEST VIC 8007 AU

**2021**

2021206918 **Immunogen, Inc.** An application to extend the time from 15 Feb 2022 to 15 Sep 2022 in which to pay a continuation fee has been filed . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

2021218058 **Slingshot Biosciences, Inc.** An application to extend the time from 08 Feb 2022 to 08 Sep 2022 in which to pay a continuation

**Extensions of Time, Section 223**

fee has been filed . Address for service - Pizzseys Patent and Trade Mark Attorneys Pty Ltd PO Box 291 WODEN ACT 2606 AU

**2022**

2022221496 **PharmaEssentia Corporation** An application to extend the time from 29 Aug 2021 to 29 Aug 2022 in which to extend the grace period has been filed . Address for service - Eagar & Associates Pty Ltd Level 2 35-39 Scarborough Street Southport QLD 4215 AU

**Applications Allowed - Section 223(2)****2010**

2010333670 **T.O.P. TECH CORPORATION** The time in which to pay a renewal fee has been extended to 14 Aug 2022 . Address for service - Spruson & Ferguson L 35 St Martins Tower 31 Market St SYDNEY NSW 2000 AU

**2012**

2012350078 **Tang, Y.; JIANG, Q.; Tang, E.** The time in which to pay a renewal fee has been extended to 16 Aug 2022 . Address for service - Qiongchen Jiang c/o Ark IP 3005 / 438 Victoria Ave. CHATSWOOD NSW 2067 AU

**2017**

2017342167 **Institut Pasteur de Montevideo; Universidad de la República; Batthyány, C.** The time in which to pay a continuation fee has been extended to 16 Jun 2022 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

**2019**

2019380766 **Farb, M.** The time in which to pay the acceptance fee has been extended to 12 Oct 2022 . Address for service - Pairman IP PO Box 33252 Christchurch 8244 NZ

**2020**

2020267241 **HANKOOK TIRE & TECHNOLOGY CO., LTD** the time in which to gain acceptance has been extended to 08 Jan 2023 . Address for service - LESICAR MAYNARD ANDREWS PTY LTD PO BOX 2545 KENT TOWN SA 5071 AU

**2021**

2021200708 **Spraying Systems Co.** The time in which to pay a continuation fee has been extended to 03 Jun 2022 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2021216571 **EMOJI ID, LLC** The time in which to enter the National Phase has been extended to 07 Oct 2022 . Address for service - Argon IP Advisory Pty Ltd 132 Cremorne St Richmond VIC 3121 AU

**2022**

2022202658 **Maytronics Ltd.** The time in which to request examination has been extended to 03 Sep 2022 . Address for service - James & Wells Intellectual Property GPO Box 1301 CANBERRA ACT 2601 AU

2022204621 **AFI LICENSING LLC** The time in which to request examination has been extended to 12 Oct 2022 . Address for service - Houlihan2 Pty Ltd PO Box 611 BALWYN NORTH VIC 3104 AU

**Extensions of Time, Section 223**

2022204919 **AFI LICENSING LLC** The time in which to request examination has been extended to 19 Oct 2022 . Address for service - Houlihan2 Pty Ltd PO Box 611 BALWYN NORTH VIC 3104 AU

2022218535 **Globaltech Corporation Pty Ltd** The time in which to make a further application for a divisional patent has been extended to 12 Sep 2022 . Address for service - Griffith Hack Level 10 161 Collins St MELBOURNE VIC 3000 AU

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

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

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

**2014**

2014354643 Hydrazinyl-pyrrolo compounds and methods for producing a conjugate **Redwood Bioscience, Inc.** The nature of the amendment is: Add inventor McFarland, Jesse M. . Address for service - FB Rice Pty Ltd L 23 44 Market St Sydney NSW 2000 AU

**2017**

2017264886 Electromagnetic boom cushioning **AGCO Corporation** The nature of the amendment is as shown in the statement(s) filed 07 Jul 2022 . Address for service - Griffith Hack Level 10 161 Collins St MELBOURNE VIC 3000 AU

2017388999 System and method for determining structural characteristics of an object **Perimetrics, LLC** The nature of the amendment is as shown in the statement(s) filed 05 Oct 2022 . Address for service - Pizzseys Patent and Trade Mark Attorneys Pty Ltd Level 2, Woden Plaza Offices WODEN ACT 2606 AU

2017424879 TRANSMITTING APPARATUS, RECEIVING APPARATUS AND RADIO COMMUNICATION METHOD **NTT DOCOMO, INC.** The nature of the amendment is as shown in the statement(s) filed 18 Oct 2022 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

**2018**

2018383662 Cancer vaccines targeting MUC16 and uses thereof **Inovio Pharmaceuticals, Inc.** The nature of the amendment is as shown in the statement(s) filed 27 Oct 2022 . Address for service - FB Rice Pty Ltd Level 23 44 Market Street SYDNEY NSW 2000 AU

**2019**

2019217656 Silver fluoride solutions for dental compositions **SDI Limited** The nature of the amendment is as shown in the statement(s) filed 27 Sep 2022 . Address for service - WRAYS PTY LTD L7 863 Hay St Perth WA 6000 AU

2019346376 Camera lens system **Apple Inc.** The nature of the amendment is as shown in the statement(s) filed 21 Oct 2022 . Address

**Amendments**

for service - FPA Patent Attorneys Pty Ltd ANZ Tower 161 Castlereagh Street Sydney NSW 2000 AU

2019370618 **Bispecific polypeptides for engagement of CAR expressing immune cells with antigen presenting cells and uses thereof Peter MacCallum Cancer Institute** The nature of the amendment is as shown in the statement(s) filed 11 Oct 2022 . Address for service - FPA Patent Attorneys Pty Ltd Level 19, South Tower 80 Collins Street Melbourne VIC 3000 AU

**2020**

2020213451 **COMPOSITIONS COMPRISING FLUOROOLEFINS AND USES THEREOF THE CHEMOURS COMPANY FC, LLC** The nature of the amendment is: Delete LECK, Thomas J.; RAO, Velliyur Nott Mallikarjuna; SWEARINGEN, Ekaterina N.; SCHMITZ, Corneille; MOULI, Nandini and PERTI, Deepak . Address for service - Oxygene IP PO Box 611 BALWYN NORTH VIC 3104 AU

**2021**

2021206792 **Artificial spinal disc and artificial disc insertion method using the same Hilo Innovations, LLC** The nature of the amendment is as shown in the statement(s) filed 01 Nov 2022 . Address for service - H & H Lawyers GPO Box 5375 Sydney NSW 2001 AU

**Amendments Made****2015**

2015278235 **Technological Resources Pty. Limited** The nature of the amendment is as shown in the statement filed 09 Aug 2022

2015295817 **Britannia Pharmaceuticals Limited** The nature of the amendment is as shown in the statement filed 14 Jul 2022

2015325329 **Suntory Holdings Limited** The nature of the amendment is as shown in the statement filed 12 Jul 2022

**2016**

2016102456 **Concave Global Pty Ltd** The nature of the amendment is as shown in the statement filed 14 Oct 2022

2016209516 **General Mills, Inc.** The nature of the amendment is: Amend the name of the inventor to read Walther, Goeran; Robie, Steven C.; Wright, Kevin H.; Lafavor, Joel R. and Heck, Caleb Ian

2016259012 **Pacific Biosciences of California, Inc.** The nature of the amendment is as shown in the statement filed 11 Aug 2022

**2017**

2017246334 **Sinopia Biosciences, INC.** The nature of the amendment is as shown in the statement filed 08 Aug 2022

2017332262 **Cytrellis Biosystems, Inc.** The nature of the amendment is as shown in the statement filed 29 Jul 2022

2017347825 **Integrated Nano-Technologies, Inc.** The nature of the amendment is as shown in the statement filed 26 Jul 2022

2017364824 **Toppan Printing Co., Ltd.** The nature of the amendment is: Amend the invention title to read DISPLAY ELEMENT AND

**Amendments**

METHOD OF DETERMINING AUTHENTICITY THEREOF, AND PRINTED MATERIAL

2017377130 **Praaktis Limited** The nature of the amendment is as shown in the statement filed 10 Aug 2022

**2018**

2018100945 **LG Electronics Inc.** The nature of the amendment is as shown in the statement filed 09 May 2022

2018200512 **ALSTOM Transport Technologies** The nature of the amendment is: Amend the name of the inventor to read Boichot, Philippe; Hmad, Ouadie; Hiely, Frederic and Audibert, Stephan

2018442982 **Colgate-Palmolive Company** The nature of the amendment is as shown in the statement filed 10 Aug 2022

**2019**

2019242446 **L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude** The nature of the amendment is as shown in the statement filed 14 Jul 2022

2019358971 **Maxtrax Australia Pty Ltd** The nature of the amendment is as shown in the statement(s) filed 14 January 2022; 28 March 2022; 29 June 2022; 12 July 2022

2019460693 **Mitsubishi Electric Corporation** The nature of the amendment is: Amend the invention title to read Motor and air conditioner using the same

2019462996 **Valvoline Licensing and Intellectual Property LLC** The nature of the amendment is as shown in the statement filed 08 Aug 2022

**2020**

2020100652 **Please Stay Foundation LTD** The nature of the amendment is: Amend the invention title to read PLEASE STAY FOUNDATION LTD, is a not-for-profit charity that grants a wish for a young person who has been in the mental health system, who has suffered or still is suffering with moderate to severe mental health condition. Hoping that we can break the cycle and bring a spark of joy for the young person and their family

2020206670 **Infra-SGA, Inc.** The nature of the amendment is as shown in the statement(s) filed 01 Nov 2022

2020208709 **Vivo Mobile Communication Co., Ltd.** The nature of the amendment is: Amend the invention title to read Method for Reporting Interface Availability, Method for Indicating Interface Availability, and Device

2020210919 **R.P. Scherer Technologies, LLC** The nature of the amendment is: Amend the name of the inventor to read RABUKA, David; LIU, Junjie; OGUNKOYA, Ayodele and KUDIRKA, Romas Alyvdas

2020256684 **Queen's University at Kingston; Her Majesty The Queen in Right of Canada** The nature of the amendment is: Amend the name of the inventor to read WEBER, Kela P.; TURNER, Lauren; BATTYE, Nick; KUEPER, Bernard and HENDRY, Andrew Jason

**Amendments**

2020345630 **Cota, Inc.** The nature of the amendment is: Amend the invention title to read Clinical Outcome Tracking And Analysis Employing Provisional/Refined Nodal Addresses Relevant To Treatment/Prognosis-Related Outcome And Risk Assessment

2020440406 **Odfjell Partners Invest Ltd** The nature of the amendment is as shown in the statement filed 26 Oct 2022

**2021**

2021214923 **Gauss Surgical, Inc.** The nature of the amendment is as shown in the statement filed 28 Oct 2022

2021221978 **DataRobot, Inc.** The nature of the amendment is: Amend the name of the inventor to read HUTS, Yuri; CHIN, Ee Kin; KASYANOV, Anton; MAYER, Zachary Albert; CONORT, Xavier; CHUA, Hon, Nian; SHANMUGAM, Sabari; ATANASOV, Atanas Mitkov and PYZOW, Ivan Richard

2021229163 **Komatsu Ltd.** The nature of the amendment is: Amend the invention title to read System and method for construction performance management of a plurality of work machines

2021230398 **3ME Technology Pty Ltd** The nature of the amendment is as shown in the statement filed 08 Aug 2022

2021232592 **Andritz Inc.** The nature of the amendment is: Amend the name of the inventor to read VOGEL, Keith; WHITESIDE, Blake; LEAVITT, Aaron; POPE, Scott A.; LUHRMANN, Carlton L. and HUNT, Tyson B.

2021238499 **Elenium Automation Pty Ltd** The nature of the amendment is: Amend the invention title to read Self-service station having thermal imaging camera

2021246274 **Applied Medical Technologies LLC** The nature of the amendment is: Amend the invention title to read DUAL ANTAGONIST OF PGD2/DP2 AND THROMBOXANE A2/TP RECEPTORS AND USE FOR TREATMENT OF MALADAPTIVE IMMUNE RESPONSE OR THROMBOTIC DIATHESIS

2021247161 **Scandit AG** The nature of the amendment is: Amend the invention title to read Decoding multiple optical codes

2021247720 **Huawei Technologies Co., Ltd.** The nature of the amendment is: Amend the invention title to read COMMUNICATION METHOD AND APPARATUS

2021249849 **Nichireki Co., Ltd.** The nature of the amendment is: Amend the invention title to read A method for constructing a base course and a mixture used therefor

2021256235 **Chengdu Baiyu Pharmaceutical Co., Ltd.** The nature of the amendment is: Amend the invention title to read IMIDAZOLIDINONE DERIVATIVES AND MEDICAL USE THEREOF

2021256895 **The Trustees of Columbia University in the City of New York; William Marsh Rice University** The nature of the amendment is: Amend the invention title to read Methods, compositions and uses thereof for reversing sarcopenia

**Amendments**

2021258326 **CNH Industrial America LLC** The nature of the amendment is: Amend the name of the inventor to read FARLEY, Herbert M.; COOK, Joel T.; HUNT, Cory Douglas and MARTIN, Jethro

**2022**

2022202261 **Apple Inc.** The nature of the amendment is: Amend the name of the inventor to read Zhang, Yongjun; Abbasian, Reza; Adler, Darin; Chan, Ada; Coffman, Patrick L.; Doherty, Nicholas Stephen; DuBois, Dana J.; Etzel, Charles B.; Falkenburg, Steven; Federighi, Craig M.; Ferry, Kenneth Arthur Abraham; Foss, Christopher Patrick; Gharabally, Sam H.; Goldberg, Brian Erik; Khan, Nahir A.; Ko, Heena; Kowalczykowski, Keith P.; Mehra, Rishab; Paul, Grant; Ramaswamy, Pallavika; Ritchie, Grant; Robbin, Jeffrey L.; Savage, James S.; Sibson, Matthew; Singh, Gurshamnnot; Stack, Caelan G.; Xue, Mark M.; Yin, Luming; Ying, Charles H.; Zhang, Hengliang; Zhang, Xiaoyue and Dye, Alan C.

2022215299 **Cripps Clark, J.** The nature of the amendment is: Amend the divisional details to add 2022203235

2022228224 **Cripps Clark, J.** The nature of the amendment is: Amend the divisional details to read 2022203235 and 2022201926

2022256148 **Aristocrat Technologies Australia Pty Limited** The nature of the amendment is: Amend the invention title to read GAMING SYSTEM AND METHOD

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

**2010**

2010239324 Parabel Ltd. The name of the patentee has been altered to **Lemnature AquaFarms Corporation**

**2011**

2011227145 Parabel Ltd. The name of the patentee has been altered to **Lemnature AquaFarms Corporation**

2011287635 Vesta Solutions, Inc. The name of the patentee has been altered to **Motorola Solutions Connectivity, Inc.**

**2012**

2012271269 Vesta Solutions, Inc. The name of the patentee has been altered to **Motorola Solutions Connectivity, Inc.**

**2013**

2013306052 Lonza, LLC The name of the patentee has been altered to **Arxada, LLC**

**2014**

2014236959 URC Ventures Inc. The name of the patentee has been altered to **EveryPoint, Inc.**

2014247152 Vitec Videocom. GmbH The name of the patentee has been altered to **Videndum Production Solutions GmbH**

**2015**

2015255285 Parabel Ltd. The name of the patentee has been altered to **Lemnature AquaFarms Corporation**

**Amendments****2016**

2016276972 Parabel Nutrition, Inc. The name of the patentee has been altered to **Lemnature AquaFarms Corporation**

2016276974 Parabel Nutrition, Inc. The name of the patentee has been altered to **Lemnature AquaFarms Corporation**

2016304892 Parabel Nutrition, Inc. The name of the applicant has been altered to **Lemnature AquaFarms Corporation**

2016321414 Parabel Nutrition, Inc. The name of the patentee has been altered to **Lemnature AquaFarms Corporation**

2016321425 Parabel Nutrition, Inc. The name of the patentee has been altered to **Lemnature AquaFarms Corporation**

2016337026 Medical Microinstruments S.p.A. The name of the patentee has been altered to **MICROINSTRUMENTS, INC.**

2016337029 Medical Microinstruments S.p.A. The name of the patentee has been altered to **MICROINSTRUMENTS, INC.**

2016337031 Medical Microinstruments S.p.A. The name of the patentee has been altered to **MICROINSTRUMENTS, INC.**

2016338823 Medical Microinstruments S.p.A. The name of the patentee has been altered to **MICROINSTRUMENTS, INC.**

**2017**

2017299238 PARAMEVIA PTE. LTD. The name of the patentee has been altered to **RADWISP PTE. LTD.**

**2018**

2018253442 Medical Microinstruments S.p.A. The name of the applicant has been altered to **MICROINSTRUMENTS, INC.**

2018253443 Medical Microinstruments S.p.A. The name of the applicant has been altered to **MICROINSTRUMENTS, INC.**

2018253449 Medical Microinstruments S.p.A. The name of the applicant has been altered to **MICROINSTRUMENTS, INC.**

2018371846 Craniofacial Technologies Inc. The name of the applicant has been altered to **Facegenics Inc.**

2018375222 The Regents of the University of Colorado, a Body Corporate The name of the applicant has been altered to **Smith & Nephew, Inc.**

**2019**

2019206607 Circ, LLC The name of the applicant has been altered to **Circ, Inc.**

2019284971 Worg Pharmaceuticals (Hangzhou) Co, Ltd. The name of the applicant has been altered to **Worg Pharmaceuticals (Zhejiang) Co., Ltd.**

2019347515 The Regents of the University of Colorado, a body corporate The name of the applicant has been altered to **University of**

**Amendments**

**Central Florida Research Foundation, Inc.; The Regents of the University of Colorado, a body corporate**

**2020**

2020202323 ClarVista Medical, Inc.; The Regents of the University of Colorado, a body corporate The name of the patentee has been altered to **The Regents of the University of Colorado, a body corporate; Alcon, Inc.**

2020299019 PARAMEVIA PTE. LTD.; Mediott Co., Ltd. The name of the applicant has been altered to **RADWISP PTE. LTD.; Mediott Co., Ltd.**

**2021**

2021204590 STRYKER EUROPEAN HOLDINGS III, LLC The name of the applicant has been altered to **STRYKER EUROPEAN OPERATIONS HOLDINGS LLC**

2021209824 Universidad Carlos III de Madrid; Centro de Investigaciones Energéticas, Medio Ambientales y Tecnológicas, O.A., M.P.; Consorcio Centro de Investigación Biomédica en Red; Fundación Instituto Investigación Sanitaria Jiménez Díaz; Stanford University The name of the applicant has been altered to **Universidad Carlos III de Madrid; Centro de Investigaciones Energéticas, Medio Ambientales y Tecnológicas, O.A., M.P.; Consorcio Centro de Investigación Biomédica en Red; The Board of Trustees of the Leland Stanford Junior University; Fundación Instituto de Investigación Sanitaria de la Fundación Jiménez Díaz**

2021250974 Medical Microinstruments S.p.A. The name of the applicant has been altered to **MICROINSTRUMENTS, INC.**

2021272454 The Trustees For The Time Being Of The Kmn Fulfilment Trust The name of the applicant has been altered to **The KMN Fulfilment Trust**

**2022**

2022221399 Parabel Nutrition, Inc. The name of the applicant has been altered to **Lemnature AquaFarms Corporation**



Applications Open to Public Inspection

Name Index

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

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(71) Aarbakke Innovation AS  
 (11) AU-A-2022256105  
 (21) 2022256105 (22) 18.10.2022  
 (54) HEAT TRANSFER PREVENTION METHOD FOR WELLBORE HEATING SYSTEM  
 (51) Int. Cl.  
*E21B 36/00* ( 2006.01 )  
*E21B 36/04* ( 2006.01 )  
*E21B 43/24* ( 2006.01 )  
*E21B 47/01* ( 2012.01 )  
 (43) 17.11.2022  
 (62) 2019427102  
 (72) HANSEN, Henning; GUDMESTAD, Tarald  
 (74) AUSTRALASIA IP PTY LTD

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(71) Advanced Lithium Electrochemistry Co., Ltd.  
 (11) AU-A-2022202603  
 (21) 2022202603 (22) 20.04.2022  
 (54) Electrolyte-solution composition and secondary battery using same  
 (51) Int. Cl.  
*H01M 10/056* ( 2010.01 )  
*H01M 10/0525* ( 2010.01 )  
 (31) 63/181,658 (32) 29.04.21 (33) US  
 (43) 17.11.2022  
 (72) Mekonnen Tekaligne, Teshager; Liao, Siao-Chun; Su, Wei-Nien; Hwang, Bing-Joe  
 (74) Spruson & Ferguson

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(71) Aizoon S.r.l.  
 (11) AU-A-2022202652  
 (21) 2022202652 (22) 21.04.2022  
 (54) METHOD FOR DETECTING SYSTEM-ATIC COMMUNICATIONS IN A COMMUNICATIONS NETWORK, CORRESPONDING DEVICE, AND COMPUTER PROGRAM PRODUCT  
 (51) Int. Cl.  
*H04L 65/75* ( 2022.01 )  
*H04L 45/02* ( 2022.01 )  
 (31) 102021000011267 (32) 03.05.21 (33) IT  
 (43) 17.11.2022  
 (72) Balinzo, Dario; Imperiale, Stefano; Ucci, Daniele; Cardiello, Riccardo  
 (74) Phillips Ormonde Fitzpatrick

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(71) Allen, W.J.  
 (11) AU-A-2022202501  
 (21) 2022202501 (22) 14.04.2022  
 (54) TILED FLOOR ASSEMBLY AND COMPONENTS  
 (51) Int. Cl.  
*E04F 15/024* ( 2006.01 )  
 (31) 17/245,580 (32) 30.04.21 (33) US

(43) 17.11.2022  
 (72) ALLEN, Warwick James  
 (74) AJ PARK

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(71) Alnylam Pharmaceuticals, Inc.  
 (11) AU-A-2022228147  
 (21) 2022228147 (22) 08.09.2022  
 (54) Methods and compositions for treating a proprotein convertase subtilisin kexin (PCSK9) gene-associated disorder  
 (51) Int. Cl.  
*A61K 31/7115* ( 2006.01 )  
*A61K 31/713* ( 2006.01 )  
*A61P 3/00* ( 2006.01 )  
*A61P 3/06* ( 2006.01 )  
 (43) 17.11.2022  
 (62) 2016310494  
 (72) Fitzgerald, Kevin  
 (74) Griffith Hack

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(71) Amberger Kaolinwerke Eduard Kick GMBH & CO. KG  
 (11) AU-A-2022202861  
 (21) 2022202861 (22) 29.04.2022  
 (54) Granules For Roof Coatings  
 (51) Int. Cl.  
*C04B 28/26* ( 2006.01 )  
*C04B 18/02* ( 2006.01 )  
*C04B 20/10* ( 2006.01 )  
*C09D 7/61* ( 2018.01 )  
*C09D 7/63* ( 2018.01 )  
*C09D 195/00* ( 2006.01 )  
*E04D 7/00* ( 2006.01 )  
 (31) 21171758.2 (32) 03.05.21 (33) EP  
 (43) 17.11.2022  
 (72) HULLIN, Angela; HOFMANN, Hans-Jürgen; KOHL, Christian  
 (74) WRAYS PTY LTD

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(71) Amgen Inc.  
 (11) AU-A-2022256116  
 (21) 2022256116 (22) 19.10.2022  
 (54) Systems and methods for remotely processing data collected by a drug delivery device  
 (51) Int. Cl.  
*G16C 20/90* ( 2019.01 )  
 (43) 17.11.2022  
 (62) 2020257127  
 (72) TAMTORO, Ferry; YANG, Huaying; LEE, Mark Ka Lai; YIN, Desheng; GIBSON, Scott R.; BUSBY, Donald; SHULTZ, Peter V.; KOGLER, Keith P.; TAHA, Basel Hasan; WARD, Jimmie L.; FOLK, Christopher R.; MCCULLOUGH, Adam B.; BADEL, Steven William  
 (74) Spruson & Ferguson

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(71) Ancora Heart, Inc.  
 (11) AU-A-2022256084

(21) 2022256084 (22) 17.10.2022  
 (54) Myocardial implant load sharing device and methods to promote LV function  
 (51) Int. Cl.  
*A61B 17/04* ( 2006.01 )  
*A61F 2/24* ( 2006.01 )  
 (43) 17.11.2022  
 (62) 2017362497  
 (72) Sampson, Russel; Henderson, Jennifer; Closs, Jeff; Sampson, Joshua; Adam, Charles J.  
 (74) FB Rice Pty Ltd

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(71) Aristocrat Technologies, Inc.  
 (11) AU-A-2022202765  
 (21) 2022202765 (22) 27.04.2022  
 (54) ELECTRONIC GAMING DEVICE WITH MATRIX ELEMENTS AND USER-SELECTABLE ACTION ELEMENTS  
 (51) Int. Cl.  
*G07F 17/34* ( 2006.01 )  
 (31) 17/491,243 (32) 30.09.21 (33) US  
 63/181,620 29.04.21 US  
 (43) 17.11.2022  
 (72) DELEKTA, Scott  
 (74) Griffith Hack

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(71) Axsome Therapeutics, Inc.  
 (11) AU-A-2022252856  
 (21) 2022252856 (22) 17.10.2022  
 (54) Pharmaceutical compositions comprising meloxicam  
 (51) Int. Cl.  
*A61K 9/00* ( 2006.01 )  
*A61K 31/4439* ( 2006.01 )  
*A61K 31/5415* ( 2006.01 )  
*A61K 47/02* ( 2006.01 )  
*A61K 47/40* ( 2006.01 )  
*A61P 25/06* ( 2006.01 )  
 (43) 17.11.2022  
 (62) 2019297360  
 (72) TABUTEAU, Herriot  
 (74) Blue Penguin IP Ltd

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**Barnes, T.H. see Deva, K.**  
 (21) 2021204223

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**Baxter Healthcare SA see Baxter International Inc.**  
 (21) 2022256096

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(71) Baxter International Inc.; Baxter Healthcare SA  
 (11) AU-A-2022256096  
 (21) 2022256096 (22) 18.10.2022  
 (54) SYSTEM AND METHOD TO EFFICIENTLY CLEAN A PERITONEAL DIALYSIS FILTER  
 (51) Int. Cl.

Applications Open to Public Inspection - Name Index cont'd

- B08B 3/02** ( 2006.01 )  
**(43)** 17.11.2022  
**(62)** 2021202238  
**(72)** ROHDE, Justin; WIEBENSON, Derek  
**(74)** Maxwells Patent & Trade Mark Attorneys Pty Ltd
- 
- (71)** Blatchley, R.  
**(11)** AU-A-2021202754  
**(21)** 2021202754 **(22)** 03.05.2021  
**(54)** Caravan-houseboat.  
**(51)** Int. Cl.  
**B60F 3/00** ( 2006.01 )  
**B63B 35/44** ( 2006.01 )  
**(43)** 17.11.2022  
**(72)** Blatchley, Richard Thomas  
**(74)** Richard Thomas Blatchley
- 
- (71)** C&C GROUP S.R.L.  
**(11)** AU-A-2022202784  
**(21)** 2022202784 **(22)** 27.04.2022  
**(54)** Platform for pallet wrapping machines  
**(51)** Int. Cl.  
**B65B 11/04** ( 2006.01 )  
**(31)** 102021000011003 **(32)** 30.04.21 **(33)** IT  
**(43)** 17.11.2022  
**(72)** CASADEI, Claudio  
**(74)** FB Rice Pty Ltd
- 
- (71)** CareFusion 303, Inc.  
**(11)** AU-A-2022202865  
**(21)** 2022202865 **(22)** 29.04.2022  
**(54)** SURVEILLANCE CAMERA  
**(51)** Int. Cl.  
**G16H 40/40** ( 2018.01 )  
**A61J 1/00** ( 2006.01 )  
**G06V 10/10** ( 2022.01 )  
**G06V 10/28** ( 2022.01 )  
**G06V 10/40** ( 2022.01 )  
**G08B 13/06** ( 2006.01 )  
**H04N 5/225** ( 2006.01 )  
**H04N 7/18** ( 2006.01 )  
**(31)** 63/181,839 **(32)** 29.04.21 **(33)** US  
**(43)** 17.11.2022  
**(72)** Hoard, David; Yusufi, Mustafa; Greuel, Benjamin; Padilla, Mariano  
**(74)** Phillips Ormonde Fitzpatrick
- 
- (71)** CareFusion 303, Inc.  
**(11)** AU-A-2022202866  
**(21)** 2022202866 **(22)** 29.04.2022  
**(54)** DISPENSING CABINET WITH EMERGENCY RELEASE  
**(51)** Int. Cl.  
**E05B 65/00** ( 2006.01 )  
**E05B 65/02** ( 2006.01 )  
**E05C 1/16** ( 2006.01 )  
**G07F 11/62** ( 2006.01 )  
**(31)** 63/183,599 **(32)** 03.05.21 **(33)** US  
**(43)** 17.11.2022  
**(72)** Rahilly, Michael; Padilla, Mariano  
**(74)** Phillips Ormonde Fitzpatrick
- 
- (71)** CareFusion 303, Inc.  
**(11)** AU-A-2022202870  
**(21)** 2022202870 **(22)** 29.04.2022

- (54)** SELF-ADJUSTING BIOMETRIC SENSOR  
**(51)** Int. Cl.  
**A61B 34/10** ( 2016.01 )  
**A61B 17/15** ( 2006.01 )  
**A61B 17/17** ( 2006.01 )  
**G06F 21/32** ( 2013.01 )  
**G07C 9/37** ( 2020.01 )  
**(31)** 63/181,836 **(32)** 29.04.21 **(33)** US  
**(43)** 17.11.2022  
**(72)** Hoard, David; Becker, Michael; Negatu, Matias; Greuel, Benjamin; Padilla, Mariano  
**(74)** Phillips Ormonde Fitzpatrick
- 
- (71)** CATERPILLAR INC.  
**(11)** AU-A-2022202621  
**(21)** 2022202621 **(22)** 20.04.2022  
**(54)** CAB PRESSURE REGULATING SYSTEM, CAB AND WORK MACHINE INCLUDING THE SAME, AND CAB PRESSURE REGULATING METHOD  
**(51)** Int. Cl.  
**B60H 1/00** ( 2006.01 )  
**B60H 1/24** ( 2006.01 )  
**(31)** 202110473699.3 **(32)** 29.04.21 **(33)** CN  
**(43)** 17.11.2022  
**(72)** LI, Rong; SHENG, Jiawei; FAN, Liang; SHEN, Yunli; MENG, Tao; WU, Xin  
**(74)** FPA Patent Attorneys Pty Ltd
- 
- (71)** CCTEG Coal Mining Research Institute; Tiandi Science & Technology Co.,Ltd  
**(11)** AU-A-2021367388  
**(21)** 2021367388 **(22)** 28.09.2021  
**(54)** Bolt operation assembly  
**(51)** Int. Cl.  
**E21D 20/00** ( 2006.01 )  
**(31)** 202110481391.3 **(32)** 30.04.21 **(33)** CN  
**(43)** 17.11.2022  
**(72)** JIANG, Pengfei; KANG, Hongpu; WANG, Ziyue; LUO, Chao; LIU, Chang; WEI, Yaoshong; GUO, Jichang; CAO, Xiaoming; CHEN, Zhiliang; YANG, Jianwei  
**(74)** Madderns Pty Ltd
- 
- (71)** Cella Therapeutics, LLC  
**(11)** AU-A-2022247731  
**(21)** 2022247731 **(22)** 10.10.2022  
**(54)** Drug delivery systems comprising a neurotrophic agent, an apoptosis signaling fragment inhibitor (FAS) or FAS ligand (FASL) inhibitor, a tumor necrosis factor-alpha (TNF-alpha) or TNF receptor inhibitor, a mitochondrial peptide, an oligonucleotide, a chemokine inhibitor, or a cysteine-aspartic protease  
**(51)** Int. Cl.  
**A61K 9/00** ( 2006.01 )  
**A61K 31/5575** ( 2006.01 )  
**A61K 38/00** ( 2006.01 )  
**A61K 38/22** ( 2006.01 )  
**A61K 45/06** ( 2006.01 )  
**(43)** 17.11.2022  
**(62)** 2019290582  
**(72)** SCHIFFMAN, Rhett M.; SCHEIBLER, Lukas  
**(74)** FB Rice Pty Ltd

- 
- (71)** Colgate-Palmolive Company  
**(11)** AU-A-2022256097  
**(21)** 2022256097 **(22)** 18.10.2022  
**(54)** Powered oral care implement including a tracking module and tracking module thereof  
**(51)** Int. Cl.  
**A46B 15/00** ( 2006.01 )  
**(43)** 17.11.2022  
**(62)** 2019312678  
**(72)** GATZEMEYER, John; OKAI, Takahide  
**(74)** Spruson & Ferguson
- 
- (71)** ContraFect Corporation  
**(11)** AU-A-2022252850  
**(21)** 2022252850 **(22)** 14.10.2022  
**(54)** Lysin Polypeptides Active Against Gram-Negative Bacteria  
**(51)** Int. Cl.  
**A61K 38/16** ( 2006.01 )  
**A61K 38/46** ( 2006.01 )  
**A61P 31/04** ( 2006.01 )  
**(43)** 17.11.2022  
**(62)** 2016324298  
**(72)** Schuch, Raymond; Hoffenberg, Simon; Wittekind, Michael  
**(74)** WRAYS PTY LTD
- 
- (71)** Cordance Medical Inc.  
**(11)** AU-A-2022241580  
**(21)** 2022241580 **(22)** 30.09.2022  
**(54)** ULTRASOUND GUIDED OPENING OF BLOOD-BRAIN BARRIER  
**(51)** Int. Cl.  
**A61B 8/00** ( 2006.01 )  
**A61B 8/04** ( 2006.01 )  
**A61B 8/06** ( 2006.01 )  
**A61B 8/08** ( 2006.01 )  
**A61B 8/12** ( 2006.01 )  
**A61B 8/14** ( 2006.01 )  
**A61B 9/00** ( 2006.01 )  
**(43)** 17.11.2022  
**(62)** 2017305228  
**(72)** Ramamurthy, Bhaskar  
**(74)** James & Wells Intellectual Property
- 
- (71)** Coulomb Inc.  
**(11)** AU-A-2022256087  
**(21)** 2022256087 **(22)** 17.10.2022  
**(54)** Energy management apparatus to upgrade and control an existing circuit breaker panel  
**(51)** Int. Cl.  
**H01H 71/04** ( 2006.01 )  
**H01H 73/12** ( 2006.01 )  
**H02H 3/04** ( 2006.01 )  
**(43)** 17.11.2022  
**(62)** 2020239645  
**(72)** Bazhinov, Alexander  
**(74)** Davies Collison Cave Pty Ltd
- 
- (71)** Cripps Clark, J.  
**(11)** AU-A-2022228224  
**(21)** 2022228224 **(22)** 10.09.2022

Applications Open to Public Inspection - Name Index cont'd

- (54) ShyAuBotIntX (SHY AUtonomous ro-  
BOts referring to Intermittent eXternals):  
Devices etc for autonomous monitor-  
ing, including robotic movement (drone,  
submarine etc), search &/or delivery  
systems with conditional processing in-  
cluding for cloaking, recharging and en-  
ergy use and less reliance on networks.  
Functions and data model enabling use  
of informative landscapes (analogue/di-  
gital signals, measures &/or visuals)  
that allows use in remote, less access-  
ible or disaster areas where wide area  
networking might not be reliable or is  
possibly non-existent &/or where charg-  
ing may also be problematic.
- (51) Int. Cl.  
**G05D 1/02** ( 2020.01 )  
**G01C 21/00** ( 2006.01 )  
**G01C 21/34** ( 2006.01 )  
**G06F 17/00** ( 2019.01 )  
**G16Y 30/00** ( 2020.01 )  
**G16Y 40/30** ( 2020.01 )  
H04L 9/00 ( 2022.01 )  
H04W 4/44 ( 2018.01 )
- (31) 2022900769 (32) 27.03.22 (33) AU  
(43) 17.11.2022  
(62) 2022201926,2022203235  
(72) Cripps Clark, Julianne  
(74) Julianne Mary Cripps Clark
- 
- (71) Deere & Company  
(11) AU-A-2022202125  
(21) 2022202125 (22) 29.03.2022  
(54) Agricultural machine adjusting mechan-  
ism
- (51) Int. Cl.  
**A01C 5/06** ( 2006.01 )  
**A01B 35/24** ( 2006.01 )  
**A01B 35/28** ( 2006.01 )  
**A01B 63/00** ( 2006.01 )  
**B25J 5/00** ( 2006.01 )
- (31) 17/242,832 (32) 28.04.21 (33) US  
(43) 17.11.2022  
(72) Hubner, Cary S.; Chakraborty, Gaurav;  
Bartelson, Matt D.  
(74) Davies Collison Cave Pty Ltd
- 
- (71) Deere & Company  
(11) AU-A-2022202131  
(21) 2022202131 (22) 29.03.2022  
(54) Sugarcane harvester extractor with leaf  
shredder
- (51) Int. Cl.  
**A01D 45/10** ( 2006.01 )  
**B02C 18/06** ( 2006.01 )  
**B02C 23/08** ( 2006.01 )
- (31) 17/243,640 (32) 29.04.21 (33) US  
(43) 17.11.2022  
(72) Hansen, Matthew J.; Richard, Eric P.;  
Mixon, Dusk S.; Rodrigue, Todd J.;  
Burch, Guy E.; Fields, Brian J.  
(74) Davies Collison Cave Pty Ltd
- 
- (71) Deere & Company  
(11) AU-A-2022202134  
(21) 2022202134 (22) 29.03.2022  
(54) Vision guidance system using dynamic  
edge detection
- (51) Int. Cl.  
**A01B 69/00** ( 2006.01 )  
**G01C 21/00** ( 2006.01 )  
**G05D 1/02** ( 2020.01 )  
**G06N 3/08** ( 2006.01 )  
**G06T 7/13** ( 2017.01 )
- (31) 17/245,522 (32) 30.04.21 (33) US  
(43) 17.11.2022  
(72) Vesperman, Aaron G.; Adams, Jeffery  
J.; Mainelli, Anthony J.  
(74) Davies Collison Cave Pty Ltd
- 
- (71) Deva, K.; Evans, A.J.H.; White, C.K.;  
Zemke, A.B.; Sander, X.R.W.; Payton,  
M.J.; Barnes, T.H.
- (11) AU-A-2021204223  
(21) 2021204223 (22) 22.06.2021  
(54) RESPIRATORY DEVICE CON-  
NECTOR WITH LUMEN AND GAS  
SAMPLING
- (51) Int. Cl.  
**A61M 39/12** ( 2006.01 )  
**A61B 1/267** ( 2006.01 )  
**A61M 16/00** ( 2006.01 )  
**A61M 16/04** ( 2006.01 )  
**A61M 16/16** ( 2006.01 )
- (31) 63/201,444 (32) 29.04.21 (33) US  
(43) 17.11.2022  
(72) Deva, Karan; Evans, Alicia Jerram  
Hunter; White, Craig Karl; Zemke, An-  
thony Behram; Sander, Xavier Roy Wal-  
lace; Payton, Matthew Jon; Barnes,  
Thomas Heinrich  
(74) Phillips Ormonde Fitzpatrick
- 
- (71) Digiworkz Limited  
(11) AU-A-2022202849  
(21) 2022202849 (22) 29.04.2022  
(54) System And Method For Organising  
Big-Data and Workstream Parameters  
For Digital Transformations
- (51) Int. Cl.  
**G06Q 10/06** ( 2012.01 )  
**G06F 16/10** ( 2019.01 )  
**G06F 17/40** ( 2006.01 )  
**G06Q 10/10** ( 2012.01 )
- (31) GB2106168.4 (32) 29.04.21 (33) GB  
(43) 17.11.2022  
(72) COLLINS, Laurence  
(74) LESICAR MAYNARD ANDREWS PTY  
LTD
- 
- (71) DRAEGER SAFETY AG & CO. KGAA  
(11) AU-A-2022202826  
(21) 2022202826 (22) 28.04.2022  
(54) Arrangement Comprising a Respirator  
and a Bag with a Moisture Indicator and  
Process for Manufacturing Such an Ar-  
rangement
- (51) Int. Cl.  
**A62B 18/00** ( 2006.01 )  
**A45C 11/00** ( 2006.01 )  
**A62B 7/08** ( 2006.01 )  
**A62B 9/00** ( 2006.01 )  
**A62B 23/02** ( 2006.01 )
- (31) 102021110870.5 (32) 28.04.21 (33) DE  
(43) 17.11.2022  
(72) BAUER, Dietmar; RADEMACHER, Tim  
(74) Oxygene IP
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- (71) Dragic, M.  
(11) AU-A-2022256093  
(21) 2022256093 (22) 18.10.2022  
(54) Device for conversion of wave energy  
into electrical energy and the process  
for its deployment at the exploitation  
location
- (51) Int. Cl.  
**F03B 13/18** ( 2006.01 )
- (43) 17.11.2022  
(62) 2017246942  
(72) DRAGIC, Mile  
(74) Spruson & Ferguson
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- (71) eBay Inc.  
(11) AU-A-2022202719  
(21) 2022202719 (22) 26.04.2022  
(54) Online transaction system for identify-  
ing counterfeits
- (51) Int. Cl.  
**G06Q 30/00** ( 2012.01 )  
**G06V 10/82** ( 2022.01 )
- (31) 17/243,516 (32) 28.04.21 (33) US  
(43) 17.11.2022  
(72) Ramasubramanian, Anand; Muthura-  
man, Alagu  
(74) FPA Patent Attorneys Pty Ltd
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- (71) eBay Inc.  
(11) AU-A-2022202781  
(21) 2022202781 (22) 27.04.2022  
(54) An online transaction system with buyer  
reputations
- (51) Int. Cl.  
**G06Q 30/06** ( 2012.01 )  
**G06Q 30/02** ( 2012.01 )
- (31) 17/243,507 (32) 28.04.21 (33) US  
(43) 17.11.2022  
(72) Ramasubramanian, Anand; Muthura-  
man, Alagu; Gandhi, David; Madhavan,  
Mahendar  
(74) FPA Patent Attorneys Pty Ltd
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- (71) Ecology Institute of Shandong  
Academy of Sciences (China-Japan  
Friendship Biotechnology Research  
Center of Shandong Academy of Sci-  
ences)
- (11) AU-A-2021229252  
(21) 2021229252 (22) 15.06.2021  
(54) Halophilic degrading bacterium of pet-  
roleum hydrocarbon and applications  
thereof
- (51) Int. Cl.  
**C12N 1/20** ( 2006.01 )  
**A62D 3/02** ( 2007.01 )  
**B09B 3/00** ( 2006.01 )  
**B09C 1/10** ( 2006.01 )  
**C12N 1/26** ( 2006.01 )  
**C12Q 1/04** ( 2006.01 )  
C12R 1/01 ( 2006.01 )
- (31) 202110482736.7 (32) 30.04.21 (33) CN  
(43) 17.11.2022  
(72) ZHANG, Qiang; ZHAI, Shuanli; HOU,  
Xinran; LI, Tianyuan; JI, Lei; FU, Xi-

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**Editas Medicine, Inc. see Juno Therapeutics, Inc.**  
**(21)** 2022215269

**(71)** Eloxx Pharmaceuticals Ltd.  
**(11)** AU-A-2022256098  
**(21)** 2022256098 **(22)** 18.10.2022  
**(54)** Large scale preparation of pseudo-trisaccharide aminoglycosides and of intermediates thereof

**(51)** Int. Cl.  
**C07H 5/06** ( 2006.01 )  
**A61K 31/7036** ( 2006.01 )  
**C07H 15/224** ( 2006.01 )  
**C07H 15/232** ( 2006.01 )  
**(43)** 17.11.2022  
**(62)** 2018235441  
**(72)** MIZHIRITSKII, Michael; KOTALA, Mani Bushan; PALADI, Ravinder  
**(74)** Spruson & Ferguson

**(71)** Emerging Compounds Treatment Technologies, Inc.

**(11)** AU-A-2022256092  
**(21)** 2022256092 **(22)** 17.10.2022  
**(54)** A SYSTEM AND METHOD FOR ENHANCING ADSORPTION OF CONTAMINATED VAPORS TO INCREASE TREATMENT CAPACITY OF A REGENERABLE, SYNTHETIC ADSORPTIVE MEDIA

**(51)** Int. Cl.  
**B01D 53/02** ( 2006.01 )  
**B01D 53/04** ( 2006.01 )  
**B01D 53/96** ( 2006.01 )  
**(43)** 17.11.2022  
**(62)** 2021200661  
**(72)** Woodard, Steven E.; Bishop, Andrew G.; Nickelsen, Michael G.; Berry, John C.  
**(74)** PHILLIPS ORMONDE FITZPATRICK

**(71)** Environment and Plant Protection Institute, Chinese Academy of Tropical Agricultural Sciences

**(11)** AU-A-2021236588  
**(21)** 2021236588 **(22)** 30.07.2021  
**(54)** Sarmentine-containing herbicidal composition and application thereof

**(51)** Int. Cl.  
**A01N 33/08** ( 2006.01 )  
**A01N 33/10** ( 2006.01 )  
**(31)** 2021104667832 **(32)** 28.04.21 **(33)** CN  
**(43)** 17.11.2022  
**(72)** FENG, Gang; WANG, Jingru; ZHANG, Jing; YE, Huochun; GU, Liushuang; ZHU, Fadi; YAN, Chao  
**(74)** A.P.T. Patent and Trade Mark Attorneys

**(71)** Epizyme, Inc.  
**(11)** AU-A-2022256115

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**(54)** METHOD OF TREATING MALIGNANT RHABDOID TUMOR OR SMALL CELL CANCER OF THE OVARY OF THE HYPERCALCEMIC TYPE  
**(51)** Int. Cl.  
**A61K 31/5377** ( 2006.01 )  
**A61K 31/496** ( 2006.01 )  
**(43)** 17.11.2022  
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**(72)** Keilhack, Heike  
**(74)** Pizzzeys Patent and Trade Mark Attorneys Pty Ltd

**Evans, A.J.H. see Deva, K.**  
**(21)** 2021204223

**(71)** Evrys Bio, LLC  
**(11)** AU-A-2022256094  
**(21)** 2022256094 **(22)** 18.10.2022  
**(54)** Broad spectrum antiviral compositions and methods  
**(51)** Int. Cl.  
**C07D 417/14** ( 2006.01 )  
**A61K 31/427** ( 2006.01 )  
**A61K 31/4709** ( 2006.01 )  
**A61P 31/12** ( 2006.01 )  
**(43)** 17.11.2022  
**(62)** 2018350999  
**(72)** Remiszewski, Stacy; Chiang, Lillian W.; Murphy, Eain Anthony; Kayser, Frank; Sun, Qun; Fink, Sarah Jocelyn  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** Fisher & Paykel Healthcare Limited  
**(11)** AU-A-2021221513  
**(21)** 2021221513 **(22)** 24.08.2021  
**(54)** METHODS FOR PROVIDING RESPIRATORY SUPPORT WITH CUFF DEFLATION  
**(51)** Int. Cl.  
**A61M 16/10** ( 2006.01 )  
**A61M 16/04** ( 2006.01 )  
**(31)** 63/201,438 **(32)** 29.04.21 **(33)** US  
**(43)** 17.11.2022  
**(72)** Evans, Alicia Jerram Hunter; White, Craig Karl; Zemke, Anthony Behram; Patel, Anil; Payton, Matthew Jon; Barnes, Thomas Heinrich  
**(74)** Phillips Ormonde Fitzpatrick

**(71)** FISHER & PAYKEL HEALTHCARE LIMITED  
**(11)** AU-A-2021221460  
**(21)** 2021221460 **(22)** 24.08.2021  
**(54)** PATIENT INTERFACE  
**(51)** Int. Cl.  
**A61M 16/06** ( 2006.01 )  
**(31)** 63/182,251 **(32)** 30.04.21 **(33)** US  
**(43)** 17.11.2022  
**(72)** VAN SCHALKWYK, Andre; O'DONNELL, Kevin Peter; GARCIA, Enrico Alvarez; TATKOV, Stanislav; PINKHAM, Maximilian Ichabod  
**(74)** AJ PARK

**(71)** Fiskars Finland Oy Ab  
**(11)** AU-A-2022202772  
**(21)** 2022202772 **(22)** 27.04.2022  
**(54)** Blade receiver assembly and cutting device  
**(51)** Int. Cl.  
**B26B 25/00** ( 2006.01 )  
**B26B 3/06** ( 2006.01 )  
**B26B 29/02** ( 2006.01 )  
**B26D 1/14** ( 2006.01 )  
**B26D 7/22** ( 2006.01 )  
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**(72)** HUESMAN, Alexander; DECHANT, Stephen P.; LIPSCOMB, Daniel  
**(74)** Griffith Hack

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**(21)** 2021202658

**(71)** FTC Solar, Inc.  
**(11)** AU-A-2022256088  
**(21)** 2022256088 **(22)** 17.10.2022  
**(54)** Methods and systems for designing photovoltaic systems  
**(51)** Int. Cl.  
**G06F 30/00** ( 2020.01 )  
**G06Q 10/04** ( 2012.01 )  
**G06Q 50/06** ( 2012.01 )  
**(43)** 17.11.2022  
**(62)** 2021200709

**(72)** MORSE, Andrew Joseph; CHER-UKUPALLI, Nagendra Srinivas; RANGANATHAN, Ravi; RAMAGOPAL, Krishnan  
**(74)** Spruson & Ferguson

**(71)** Gasnier, M.  
**(11)** AU-A-2021203816  
**(21)** 2021203816 **(22)** 09.06.2021  
**(54)** Garments and method for playing sport  
**(51)** Int. Cl.  
**A63B 71/06** ( 2006.01 )  
**A41D 13/00** ( 2006.01 )  
**A41D 1/04** ( 2006.01 )  
**A41D 1/089** ( 2018.01 )  
**A41F 9/00** ( 2006.01 )  
**(31)** 2021901305 **(32)** 03.05.21 **(33)** AU  
**(43)** 17.11.2022  
**(72)** Gasnier, Mark  
**(74)** FB Rice Pty Ltd

**(71)** General Electric Company  
**(11)** AU-A-2022202432  
**(21)** 2022202432 **(22)** 13.04.2022  
**(54)** FUEL MIXER  
**(51)** Int. Cl.  
**F02C 7/18** ( 2006.01 )  
**F02C 7/14** ( 2006.01 )  
**F02M 53/08** ( 2006.01 )  
**F23D 14/72** ( 2006.01 )

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- (72) Giridharan, Manampathy G.; Naik, Pradeep; Joshi, Narendra D.; Abramson, Harris D.
- (74) Phillips Ormonde Fitzpatrick
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(54) REEL SEAT  
(51) Int. Cl.  
A01K 87/06 ( 2006.01 )  
A01K 87/08 ( 2006.01 )  
A01K 89/012 ( 2006.01 )
- (31) 2021-075639 (32) 28.04.21 (33) JP  
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(72) USHINOHAMA, Kosuke  
(74) K&L Gates
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(11) AU-A-2022252700  
(21) 2022252700 (22) 10.10.2022  
(54) TRAINING QUANTUM EVOLUTIONS USING SUBLOGICAL CONTROLS  
(51) Int. Cl.  
G06N 10/60 ( 2022.01 )  
B82Y 10/00 ( 2011.01 )  
G06F 15/16 ( 2006.01 )  
G06N 5/00 ( 2006.01 )  
G06N 20/00 ( 2019.01 )
- (43) 17.11.2022  
(62) 2021203607  
(72) Neven, Hartmut; Babbush, Ryan  
(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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- (71) Greatcell Energy Limited  
(11) AU-A-2022246391  
(21) 2022246391 (22) 05.10.2022  
(54) A SOLAR MODULE AND A METHOD OF FABRICATING A SOLAR MODULE  
(51) Int. Cl.  
H01L 31/05 ( 2014.01 )  
H01L 31/0224 ( 2006.01 )  
H01L 31/049 ( 2014.01 )
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(74) Adams Pluck
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(11) AU-A-2021203988  
(21) 2021203988 (22) 16.06.2021  
(54) NAIL GRINDER  
(51) Int. Cl.  
A45D 29/05 ( 2006.01 )
- (31) 202110472716.1 (32) 29.04.21 (33) CN  
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(72) Li, Qinsheng  
(74) Ran Tao
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(21) 2021203993 (22) 16.06.2021
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A01K 13/00 ( 2006.01 )  
A45D 29/05 ( 2006.01 )  
B08B 15/04 ( 2006.01 )  
B24B 55/10 ( 2006.01 )
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(72) Li, Qinsheng  
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- (71) Henny Penny Corporation  
(11) AU-A-2022202198  
(21) 2022202198 (22) 31.03.2022  
(54) AUTOMATED COOKING SYSTEM WITH LIFT PLATFORMS  
(51) Int. Cl.  
A47J 37/12 ( 2006.01 )  
A47J 36/34 ( 2006.01 )
- (31) 17/244,096 (32) 29.04.21 (33) US  
17/344,063 10.06.21 US  
17/686,816 04.03.22 US
- (43) 17.11.2022  
(72) Reichelderfer, Kimberly; Pereira, Adrian Jason; Smith, Thomas M.; Maddux, Michael  
(74) RnB IP Pty Ltd
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(21) 2022202201 (22) 31.03.2022  
(54) AUTOMATED COOKING SYSTEM AND METHOD USING BASKET-GANTRY INTERFACE  
(51) Int. Cl.  
A47J 37/12 ( 2006.01 )
- (31) 17/244,096 (32) 29.04.21 (33) US  
17/344,063 10.06.21 US  
17/686,816 04.03.22 US
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- (71) Huddy Inc.  
(11) AU-A-2021319365  
(21) 2021319365 (22) 13.07.2021  
(54) USB/Thunderbolt to Ethernet Adapter with Dynamic Multiplex Power Supply  
(51) Int. Cl.  
H04L 12/10 ( 2006.01 )
- (31) 17/246,527 (32) 30.04.21 (33) US  
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(72) Alstad, Håvard; Dahlback, Jørgen; Almeida, Tomás Alexandre Saltão  
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- (54) Power saving signals in wireless communication  
(51) Int. Cl.  
H04W 52/02 ( 2009.01 )
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- (71) IntraBio Ltd  
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(21) 2022256077 (22) 17.10.2022  
(54) Acetyl-leucine or a pharmaceutically acceptable salt thereof for improved mobility and cognitive function  
(51) Int. Cl.  
A61K 31/198 ( 2006.01 )  
A61P 43/00 ( 2006.01 )
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(62) 2017252507  
(72) FACTOR, Mallory; STRUPP, Michael  
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- (71) Intuit Inc.  
(11) AU-A-2022203636  
(21) 2022203636 (22) 24.03.2022  
(54) Methods and systems for generating mobile enabled extraction models  
(51) Int. Cl.  
G06F 16/20 ( 2019.01 )
- (31) 17/246,277 (32) 30.04.21 (33) US  
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(74) Davies Collison Cave Pty Ltd
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- (71) Intuit Inc.  
(11) AU-A-2022203637  
(21) 2022203637 (22) 24.03.2022  
(54) Machine learning pipeline for document image quality detection and correction  
(51) Int. Cl.  
G06V 10/70 ( 2022.01 )
- (31) 17/243,527 (32) 28.04.21 (33) US  
(43) 17.11.2022  
(72) JONNALAGEDDA, Saisri Padmaja; XIAO, Xiao  
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- (71) Iq Therapeutics, Inc.  
(11) AU-A-2022256117  
(21) 2022256117 (22) 19.10.2022  
(54) RECEPTOR SUBTYPE AND FUNCTION SELECTIVE RETINOID AND REXINOID COMPOUNDS IN COMBINATION WITH IMMUNE MODULATORS FOR CANCER IMMUNOTHERAPY  
(51) Int. Cl.  
C07K 16/28 ( 2006.01 )  
A61K 39/395 ( 2006.01 )  
C07K 16/30 ( 2006.01 )

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(71) John Cockerill Hydrogen Belgium  
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 (54) An electrolysis unit for a filter press type electrolyzer  
 (51) Int. Cl.  
**C25B 9/73** ( 2021.01 )  
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 (72) VAN HEE, Luc; BORGUET, Sébastien; BANASZAK, Pierre  
 (74) Spruson & Ferguson

(71) Juno Therapeutics, Inc.; Editas Medicine, Inc.  
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 (21) 2022215269 (22) 09.08.2022  
 (54) GENETICALLY ENGINEERED CELLS AND METHODS OF MAKING THE SAME  
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**C12N 9/22** ( 2006.01 )  
**C07K 14/725** ( 2006.01 )  
**C12N 15/85** ( 2006.01 )  
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 (61) 2017261380  
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 (74) Pizzeyes Patent and Trade Mark Attorneys Pty Ltd

(71) Kamstrup A/S  
 (11) AU-A-2022202341  
 (21) 2022202341 (22) 07.04.2022  
 (54) SYSTEM AND METHOD FOR ACOUSTIC LEAKAGE DETECTION BY USE OF AN ULTRASONIC FLOW METER  
 (51) Int. Cl.  
**G01F 1/66** ( 2022.01 )  
 (31) 21171613.9 (32) 30.04.21 (33) EP  
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 (74) Madderns Pty Ltd

(71) LG Electronics Inc.  
 (11) AU-A-2022252845  
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 (54) METHOD AND DEVICE FOR PROCESSING VIDEO SIGNAL BY USING INTER PREDICTION  
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**H04N 19/58** ( 2014.01 )  
**H04N 19/105** ( 2014.01 )  
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**H04N 19/176** ( 2014.01 )  
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 (72) PALURI, Seethal; KIM, Seunghwan  
 (74) Dentons Patent Attorneys Australasia Limited

(71) Lyons, M.  
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 (54) Solar Shutters Modular Unit  
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**H02S 20/22** ( 2014.01 )  
**F21S 9/03** ( 2006.01 )  
**H02S 20/30** ( 2014.01 )  
**H02S 40/22** ( 2014.01 )  
**H02S 40/30** ( 2014.01 )  
**E04F 10/10** ( 2006.01 )  
**E06B 7/084** ( 2006.01 )  
**F21S 4/00** ( 2016.01 )  
**F21V 23/04** ( 2006.01 )

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 (72) Lyons, Mark  
 (74) Mark Jack Lyons

(71) McDonald and McJarrow Pty Ltd  
 (11) AU-A-2022202876  
 (21) 2022202876 (22) 29.04.2022  
 (54) Systems, devices and computer-implemented methods for monitoring fire hydrant usage  
 (51) Int. Cl.  
**F16K 37/00** ( 2006.01 )  
**E03B 9/02** ( 2006.01 )  
**F16K 1/00** ( 2006.01 )  
**G01F 1/05** ( 2006.01 )  
**G01F 1/38** ( 2006.01 )  
**F16L 37/248** ( 2006.01 )  
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 (72) Thompson, Philip  
 (74) FB Rice Pty Ltd

(71) Medos International Sarl  
 (11) AU-A-2022202795  
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 (54) Systems and methods for using structured tissue augmentation constructs in soft tissue fixation repair  
 (51) Int. Cl.  
**A61F 2/08** ( 2006.01 )  
**A61B 17/04** ( 2006.01 )  
**A61B 17/56** ( 2006.01 )  
**A61L 27/00** ( 2006.01 )  
**A61L 31/00** ( 2006.01 )  
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 (74) Spruson & Ferguson

(71) Medos International Sarl  
 (11) AU-A-2022202882  
 (21) 2022202882 (22) 29.04.2022  
 (54) Spacer implant systems  
 (51) Int. Cl.  
**A61F 2/08** ( 2006.01 )  
**A61F 2/40** ( 2006.01 )

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 (51) Int. Cl.  
**A47G 19/22** ( 2006.01 )  
**B65D 25/04** ( 2006.01 )  
**B65D 25/28** ( 2006.01 )  
**B65D 47/06** ( 2006.01 )  
**B65D 47/12** ( 2006.01 )  
**B65D 47/32** ( 2006.01 )

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(71) Metso Outotec Finland Oy  
 (11) AU-A-2021221618  
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 (54) AN IMPELLER AND A DIFFUSER  
 (51) Int. Cl.  
**B03D 1/22** ( 2006.01 )  
**B01F 23/231** ( 2022.01 )  
**B01F 27/80** ( 2022.01 )  
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 (72) HUMPHRIS, James  
 (74) IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD

(71) Miles, S.  
 (11) AU-A-2021202682  
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 (54) WHEEL CARRIER  
 (51) Int. Cl.  
**B62D 43/02** ( 2006.01 )  
**B60R 9/06** ( 2006.01 )  
**B62D 43/00** ( 2006.01 )  
 (43) 17.11.2022  
 (72) Miles, Shane  
 (74) Ahearn Fox

(71) Molecular Templates, Inc.  
 (11) AU-A-2022256081  
 (21) 2022256081 (22) 17.10.2022  
 (54) De-immunized Shiga toxin A subunit effector polypeptides for applications in mammals  
 (51) Int. Cl.  
**C07K 14/25** ( 2006.01 )  
**C07K 14/245** ( 2006.01 )  
**C12N 15/31** ( 2006.01 )

Applications Open to Public Inspection - Name Index cont'd

**C12N 15/62** ( 2006.01 )  
**(43)** 17.11.2022  
**(62)** 2020294212  
**(72)** Poma, Eric; Willert, Erin; Robinson, Garrett Lee; Rajagopalan, Sangeetha; Brieschke, Brigitte  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** Mudjala Medical Pty Limited  
**(11)** AU-A-2022252846  
**(21)** 2022252846 **(22)** 14.10.2022  
**(54)** An implantable neuro-stimulation device  
**(51)** Int. Cl.  
**A61N 1/05** ( 2006.01 )  
**A61L 31/00** ( 2006.01 )  
**A61L 31/14** ( 2006.01 )

**(43)** 17.11.2022  
**(62)** 2021200145  
**(72)** ROBINSON, David; MANTES, Ernest; CAMERON, Tracey  
**(74)** Spruson & Ferguson

**(71)** MX Technologies, Inc.  
**(11)** AU-A-2022211869  
**(21)** 2022211869 **(22)** 02.05.2022  
**(54)** Multi-core account processing system support field  
**(51)** Int. Cl.  
**G06F 21/31** ( 2013.01 )  
**(31)** 63/182,763 **(32)** 30.04.21 **(33)** US  
**(43)** 17.11.2022  
**(72)** WHITCOMB, David; NICHOLS, Matt  
**(74)** Griffith Hack

**(71)** MX Technologies, Inc.  
**(11)** AU-A-2022211872  
**(21)** 2022211872 **(22)** 02.05.2022  
**(54)** Multi-core account migration  
**(51)** Int. Cl.  
**G06F 21/31** ( 2013.01 )  
**(31)** 63/182,766 **(32)** 30.04.21 **(33)** US  
**(43)** 17.11.2022  
**(72)** WHITCOMB, David; NICHOLS, Matt  
**(74)** Griffith Hack

**(71)** MX Technologies, Inc.  
**(11)** AU-A-2022211879  
**(21)** 2022211879 **(22)** 02.05.2022  
**(54)** Risk assessment based data access  
**(51)** Int. Cl.  
**H04L 9/00** ( 2022.01 )  
**(31)** 63/182,755 **(32)** 30.04.21 **(33)** US  
**(43)** 17.11.2022  
**(72)** WHITCOMB, David; JONES, Daniel; FROMM, Brian  
**(74)** Griffith Hack

**(71)** National Student Clearinghouse  
**(11)** AU-A-2022256099  
**(21)** 2022256099 **(22)** 18.10.2022  
**(54)** Record matching system  
**(51)** Int. Cl.  
**G06F 16/00** ( 2019.01 )

**(43)** 17.11.2022  
**(62)** 2017299435  
**(72)** Batchu, Ravi; Ganotra, Manish; Gillum, Diana; Tao, Joolee; Truesdale, Steven  
**(74)** Minter Ellison

**(71)** Nextremity Solutions, Inc.  
**(11)** AU-A-2022202709  
**(21)** 2022202709 **(22)** 26.04.2022  
**(54)** Tissue Retractor Device  
**(51)** Int. Cl.  
**A61B 17/02** ( 2006.01 )  
**(31)** 63/183,232 **(32)** 03.05.21 **(33)** US  
**(43)** 17.11.2022  
**(72)** Holton, Thomas  
**(74)** Zone Patents Limited

**(71)** Nien Made Enterprise Co., Ltd.  
**(11)** AU-A-2022200782  
**(21)** 2022200782 **(22)** 07.02.2022  
**(54)** Vertical blind  
**(51)** Int. Cl.  
**E06B 9/36** ( 2006.01 )  
**(31)** 202110499374.2 **(32)** 28.04.21 **(33)** CN  
**(43)** 17.11.2022  
**(72)** QU, Xuwu; CHEN, Lin; LIANG, Cheng Chi  
**(74)** FB Rice Pty Ltd

**(71)** Nimbus Lakshmi, Inc.  
**(11)** AU-A-2022256121  
**(21)** 2022256121 **(22)** 19.10.2022  
**(54)** Tyk2 inhibitors, uses, and methods for production thereof  
**(51)** Int. Cl.  
**C07D 491/048** ( 2006.01 )  
**C07D 495/04** ( 2006.01 )  
**(43)** 17.11.2022  
**(62)** 2018230737  
**(72)** GREENWOOD, Jeremy Robert; MASSE, Craig E.; LAWSON, Jon P.; ARLIN, Jean-Baptiste; PEARSON, David; LOUGHREY, Jonathan James  
**(74)** Spruson & Ferguson

**(71)** Nucleix Ltd.  
**(11)** AU-A-2022221408  
**(21)** 2022221408 **(22)** 23.08.2022  
**(54)** Methods for diagnosing bladder cancer  
**(51)** Int. Cl.  
**C12Q 1/6886** ( 2018.01 )  
**(43)** 17.11.2022  
**(62)** 2016290213  
**(72)** Wasserstrom, Adam; Frumkin, Danny  
**(74)** PIPERS

**(71)** Nunhems B.V.  
**(11)** AU-A-2021202761  
**(21)** 2021202761 **(22)** 03.05.2021  
**(54)** Lettuce variety NUN 09164 LTL  
**(51)** Int. Cl.  
**A01H 6/14** ( 2018.01 )  
**A01H 1/00** ( 2006.01 )  
**A01H 5/00** ( 2018.01 )  
**A01H 5/12** ( 2018.01 )

**(43)** 17.11.2022  
**(72)** van Zee, Johan  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Nunhems B.V.  
**(11)** AU-A-2021202763  
**(21)** 2021202763 **(22)** 03.05.2021  
**(54)** Lettuce variety NUN 08204 LTL  
**(51)** Int. Cl.  
**A01H 6/14** ( 2018.01 )  
**A01H 1/00** ( 2006.01 )  
**A01H 1/04** ( 2006.01 )  
**A01H 5/00** ( 2018.01 )  
**A01H 5/10** ( 2018.01 )  
**A01H 5/12** ( 2018.01 )  
**(43)** 17.11.2022  
**(72)** van Zee, Johan  
**(74)** Davies Collison Cave Pty Ltd

**(71)** NVIDIA Corporation  
**(11)** AU-A-2022202837  
**(21)** 2022202837 **(22)** 29.04.2022  
**(54)** Dynamic weight updates for neural networks  
**(51)** Int. Cl.  
**G06N 3/02** ( 2006.01 )  
**G06N 3/06** ( 2006.01 )  
**(31)** 17/244,781 **(32)** 29.04.21 **(33)** US  
**(43)** 17.11.2022  
**(72)** Roth, Holger Reinhard; Xia, Yingda; Xu, Daguang; Myronenko, Andriy; Li, Wenqi; Yang, Dong  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Oakley, S.; Hodgson, T.  
**(11)** AU-A-2022204035  
**(21)** 2022204035 **(22)** 30.04.2022  
**(54)** A plastic composite product  
**(51)** Int. Cl.  
**B27N 3/02** ( 2006.01 )  
**B27N 3/08** ( 2006.01 )  
**B29C 43/04** ( 2006.01 )  
**B32B 21/02** ( 2006.01 )  
**(31)** 2021901268 **(32)** 30.04.21 **(33)** AU  
**(43)** 17.11.2022  
**(72)** OAKLEY, Simon David; HODGSON, Thomas Clarence  
**(74)** Dentons Patent Attorneys Australasia Limited

**(71)** OCULOGICA INC  
**(11)** AU-A-2022246401  
**(21)** 2022246401 **(22)** 05.10.2022  
**(54)** METHOD FOR DETECTING GLAUCOMA  
**(51)** Int. Cl.  
**A61B 3/16** ( 2006.01 )  
**A61B 3/113** ( 2006.01 )  
**G16H 50/20** ( 2018.01 )

**(43)** 17.11.2022  
**(62)** 2017239490  
**(72)** Samadani, Rosina; Castillo, Thomas A.  
**(74)** Ellis Terry

**(71)** OLSSON INDUSTRIES PTY LTD  
**(11)** AU-A-2022202840

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(21) 2022202840 (22) 29.04.2022  
 (54) Animal nutrient Supplements and Feeds  
 (51) Int. Cl.  
*A01N 41/02* ( 2006.01 )  
*A01N 25/00* ( 2006.01 )  
*A23K 10/33* ( 2016.01 )  
*A23K 10/40* ( 2016.01 )  
*A23K 20/105* ( 2016.01 )  
*A23K 50/10* ( 2016.01 )  
*A61K 31/10* ( 2006.01 )  
*A61P 33/00* ( 2006.01 )  
 (31) 2021901264 (32) 29.04.21 (33) AU  
 (43) 17.11.2022  
 (72) Olsson, Murray  
 (74) Griffith Hack

(71) Ospedale San Raffaele S.R.L.; Fondazione Telethon  
 (11) AU-A-2021202657  
 (21) 2021202657 (22) 28.04.2021  
 (54) Polynucleotide  
 (51) Int. Cl.  
*C12N 15/113* ( 2010.01 )  
*A61K 35/28* ( 2015.01 )  
*A61P 37/00* ( 2006.01 )  
*C12N 9/22* ( 2006.01 )  
*C12N 15/10* ( 2006.01 )  
*C12N 15/63* ( 2006.01 )  
*C12N 15/90* ( 2006.01 )  
 (43) 17.11.2022  
 (72) Villa, Anna; Genovese, Pietro; Naldini, Luigi; Sacchetti, Nicolò; Castiello, Maria Carmina; Ferrari, Samuele  
 (74) FB Rice Pty Ltd

(71) Ospedale San Raffaele S.R.L.; Fondazione Telethon  
 (11) AU-A-2021202658  
 (21) 2021202658 (22) 28.04.2021  
 (54) Gene therapy  
 (51) Int. Cl.  
*C12N 5/0789* ( 2010.01 )  
*A61K 35/15* ( 2015.01 )  
*A61K 35/28* ( 2015.01 )  
*C12N 5/00* ( 2006.01 )  
*A61P 3/00* ( 2006.01 )  
*A61P 7/00* ( 2006.01 )  
 (43) 17.11.2022  
 (72) Kajaste-Rudnitski, Anna Christina; Valeri, Erika; Unali, Giulia; Piras, Francesco  
 (74) FB Rice Pty Ltd

(71) Patties Foods Pty Limited  
 (11) AU-A-2021221803  
 (21) 2021221803 (22) 25.08.2021  
 (54) AN APPARATUS AND METHOD FOR FORMING A CO-EXTRUDED FILLING FOR A FOOD PRODUCT  
 (51) Int. Cl.  
*A23P 30/25* ( 2016.01 )  
*A23L 13/60* ( 2016.01 )  
 (31) 2021901280 (32) 30.04.21 (33) AU  
 (43) 17.11.2022  
 (72) Gerrard, Denis; Graf, Gunther; Cooper, Chris  
 (74) Griffith Hack

Payton, M.J. see Deva, K.  
 (21) 2021204223

(71) PELL Bio-Med Technology Co., Ltd  
 (11) AU-A-2021206846  
 (21) 2021206846 (22) 21.07.2021  
 (54) LENTIVIRUS PACKAGING SYSTEM, LENTIVIRUS PRODUCED BY THE SAME, CELL TRANSDUCED BY THE LENTIVIRUS, METHOD FOR IMPROVING LENTIVIRUS PRODUCTION IN A HOST CELL, AND METHOD OF USING THE CELL FOR TREATING CANCER  
 (51) Int. Cl.  
*C12N 15/867* ( 2006.01 )  
*C12N 7/01* ( 2006.01 )  
 (31) 110115343 (32) 28.04.21 (33) TW  
 (43) 17.11.2022  
 (72) Lin, Wei-Chi; Chou, Ssu-Yu; Yang, Yao-Cheng; Lin, Chien-Ting; Lin, Chen-Lung  
 (74) Madderns Pty Ltd

(71) People Center, Inc.  
 (11) AU-A-2022202863  
 (21) 2022202863 (22) 29.04.2022  
 (54) Improved Management of Computing Devices Via Reference to Linked Employee Records  
 (51) Int. Cl.  
*G06Q 10/10* ( 2012.01 )  
*G06F 16/11* ( 2019.01 )  
*G06F 16/23* ( 2019.01 )  
*G06F 16/245* ( 2019.01 )  
*G06Q 10/06* ( 2012.01 )  
*H04L 41/00* ( 2022.01 )  
*H04L 41/08* ( 2022.01 )  
*H04L 41/12* ( 2022.01 )  
*H04L 41/22* ( 2022.01 )  
*H04L 43/0817* ( 2022.01 )  
 (31) 17/524,173 (32) 11.11.21 (33) US  
 17/245,844 30.04.21 US  
 (43) 17.11.2022  
 (72) Gunda, Siddhartha; Boston, Kyle Michael; Buscaglia, Daniel Robert; Dharmasena, Dilanka Theshan  
 (74) GLMR

(71) Polyweld Pty Ltd  
 (11) AU-A-2022202942  
 (21) 2022202942 (22) 03.05.2022  
 (54) Load restraint  
 (51) Int. Cl.  
*B60P 7/08* ( 2006.01 )  
*B60J 5/06* ( 2006.01 )  
*B65D 90/00* ( 2006.01 )  
*B65D 90/02* ( 2019.01 )  
*B65D 88/12* ( 2006.01 )  
 (31) 2021901307 (32) 03.05.21 (33) AU  
 (43) 17.11.2022  
 (72) DONALDSON, Stuart  
 (74) FB Rice Pty Ltd

(71) Respira Therapeutics, Inc.  
 (11) AU-A-2022256085

(21) 2022256085 (22) 17.10.2022  
 (54) Methods and compositions for treatment of pulmonary hypertension and other lung disorders  
 (51) Int. Cl.  
*A61K 31/53* ( 2006.01 )  
*A61K 31/506* ( 2006.01 )  
*A61K 31/5575* ( 2006.01 )  
*A61K 45/06* ( 2006.01 )  
*A61P 11/00* ( 2006.01 )  
 (43) 17.11.2022  
 (62) 2017378409  
 (72) Weers, Jeffrey; Romero, Alain; Smyth, Hugh; Curtis, Robert; Frost, Adaani; Xu, Zhen; Shreeniwas, Revati; Donovan, Martin  
 (74) FB Rice Pty Ltd

(71) Samus Therapeutics, Inc.  
 (11) AU-A-2022256110  
 (21) 2022256110 (22) 18.10.2022  
 (54) Hsp90 inhibitor oral formulations and related methods  
 (51) Int. Cl.  
*A61K 9/20* ( 2006.01 )  
*A61K 9/22* ( 2006.01 )  
*A61K 31/33* ( 2006.01 )  
*A61K 31/395* ( 2006.01 )  
*A61K 31/52* ( 2006.01 )  
*A61K 31/7036* ( 2006.01 )  
*C07D 473/32* ( 2006.01 )  
*C07D 473/34* ( 2006.01 )  
 (43) 17.11.2022  
 (62) 2018257901  
 (72) Amedio, John  
 (74) Griffith Hack

Sander, X.R.W. see Deva, K.  
 (21) 2021204223

(71) Sarcos Corp.  
 (11) AU-A-2022254273  
 (21) 2022254273 (22) 17.10.2022  
 (54) ROBOTIC END EFFECTOR WITH DORSALLY SUPPORTED ACTUATION MECHANISM  
 (51) Int. Cl.  
*B25J 9/10* ( 2006.01 )  
*B25J 15/00* ( 2006.01 )  
*B25J 15/02* ( 2006.01 )  
 (43) 17.11.2022  
 (62) 2019419409  
 (72) Smith, Fraser M.; Maclean, Brian J.  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Schneider Electric Industries SAS  
 (11) AU-A-2022202853  
 (21) 2022202853 (22) 29.04.2022  
 (54) Fishbone busbar assembly  
 (51) Int. Cl.  
*H02J 3/00* ( 2006.01 )  
*H01R 13/639* ( 2006.01 )  
*H01R 13/74* ( 2006.01 )  
*H01R 25/16* ( 2006.01 )  
*H02B 1/20* ( 2006.01 )  
 (31) 202131020131 (32) 03.05.21 (33) IN



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(43) 17.11.2022  
 (72) Paramatmuni, Prasant; Sahu, Suraj  
 (74) Davies Collison Cave Pty Ltd

(71) Schneider Electric USA, Inc.  
 (11) AU-A-2022202736  
 (21) 2022202736 (22) 26.04.2022  
 (54) Systems And Methods For Paralleling  
 3-Wire And 4-Wire 3-Phase Active Har-  
 monic Filters

(51) Int. Cl.  
*G05F 1/70* ( 2006.01 )  
*G01R 31/28* ( 2006.01 )  
*H02H 3/10* ( 2006.01 )  
*H02H 3/13* ( 2006.01 )  
*H02H 9/02* ( 2006.01 )  
*H02J 3/01* ( 2006.01 )  
*H02J 3/18* ( 2006.01 )  
*H02J 3/26* ( 2006.01 )  
*H02M 1/12* ( 2006.01 )  
*H02M 1/42* ( 2007.01 )

(31) 63/181,668 (32) 29.04.21 (33) US  
 17/489,245 29.09.21 US

(43) 17.11.2022  
 (72) MARWALI, Mohammad Nanda Rah-  
 mana; BATCH, John Simon  
 (74) WRAYS PTY LTD

(71) Schock GmbH  
 (11) AU-A-2021277587  
 (21) 2021277587 (22) 29.11.2021  
 (54) Curable casting compound, molded  
 body made therefrom and method for  
 producing the molded body

(51) Int. Cl.  
*C04B 18/04* ( 2006.01 )  
*C04B 24/40* ( 2006.01 )  
*C04B 26/06* ( 2006.01 )  
*C04B 26/14* ( 2006.01 )  
*C04B 26/18* ( 2006.01 )  
*C08K 3/22* ( 2006.01 )  
*C08K 3/36* ( 2006.01 )  
*C08K 7/26* ( 2006.01 )  
*C08L 33/04* ( 2006.01 )  
*C08L 97/02* ( 2006.01 )

(31) 102021111384.9 (32) 03.05.21 (33) DE  
 (43) 17.11.2022  
 (72) Datsyuk, Vitaliy; Orendorz, Adam;  
 Reichenberger, Roland; Achatz, Oskar  
 (74) Davies Collison Cave Pty Ltd

(71) Seagen, Inc.  
 (11) AU-A-2022246407  
 (21) 2022246407 (22) 05.10.2022

(54) Quaternized nicotinamide adenine di-  
 nucleotide salvage pathway inhibitor  
 conjugates  
 (51) Int. Cl.  
*C07D 401/12* ( 2006.01 )  
*A61K 47/68* ( 2017.01 )  
*A61P 35/00* ( 2006.01 )  
*C07H 15/203* ( 2006.01 )

(43) 17.11.2022  
 (62) 2018258687  
 (72) NEUMANN, Christopher Scott; OLIVAS,  
 Kathleen; LYON, Robert; WANG, Kung-  
 Pern  
 (74) Spruson & Ferguson

(71) Shabaz, N.  
 (11) AU-A-2021202774  
 (21) 2021202774 (22) 03.05.2021  
 (54) The Gift Vault

(51) Int. Cl.  
*G06Q 40/02* ( 2012.01 )  
*G06Q 20/10* ( 2012.01 )

(43) 17.11.2022  
 (72) Shabaz, Natalie  
 (74) Natalie Shabaz

Smith & Nephew, Inc. see Smith & Nephew  
 Asia Pacific Pte. Limited  
 (21) 2022202627

(71) Smith & Nephew Asia Pacific Pte. Lim-  
 ited; Smith & Nephew, Inc.; Smith &  
 Nephew Orthopaedics AG

(11) AU-A-2022202627  
 (21) 2022202627 (22) 20.04.2022  
 (54) ADJUSTABLE INSERTIONAL

ACHILLES RECONSTRUCTION WITH  
 COLLAGEN IMPLANT AUGMENTA-  
 TION

(51) Int. Cl.  
*A61F 2/08* ( 2006.01 )  
*A61B 17/56* ( 2006.01 )

(31) 63/183,183 (32) 03.05.21 (33) US  
 63/246,988 22.09.21 US  
 63/275,310 03.11.21 US

(43) 17.11.2022  
 (72) THYDEN, Michael; SANTANGELO,  
 Stephen A.  
 (74) Davies Collison Cave Pty Ltd

Smith & Nephew Orthopaedics AG see  
 Smith & Nephew Asia Pacific Pte. Limited  
 (21) 2022202627

(71) Spinal Elements, Inc.  
 (11) AU-A-2022256078  
 (21) 2022256078 (22) 17.10.2022

(54) Retractor  
 (51) Int. Cl.  
*A61B 17/02* ( 2006.01 )

(43) 17.11.2022  
 (62) 2020203261  
 (72) Vogel, Tyson; Blain, Jason  
 (74) Davies Collison Cave Pty Ltd

(71) Steering Solutions IP Holding Corpora-  
 tion

(11) AU-A-2022202829  
 (21) 2022202829 (22) 28.04.2022  
 (54) Integrated thruster apparatus for a mar-  
 ine vessel

(51) Int. Cl.  
*B63H 25/46* ( 2006.01 )  
*B63H 11/08* ( 2006.01 )  
*B63H 21/17* ( 2006.01 )

(31) 63/182,016 (32) 30.04.21 (33) US  
 63/244,381 15.09.21 US

(43) 17.11.2022  
 (72) Weber, John E.; Sanderson, Rodney  
 M.; Douglas, Christopher R.; Maschke,  
 Andrew E.; Rousseau, Philogene F.  
 (74) Davies Collison Cave Pty Ltd

(71) SWIMC LLC  
 (11) AU-A-2021439209  
 (21) 2021439209 (22) 30.04.2021  
 (54) Modular toolbox designed and organ-  
 ized for painting tools  
 (51) Int. Cl.  
*B44D 3/00* ( 2006.01 )  
*B44D 3/04* ( 2006.01 )

(43) 17.11.2022  
 (72) GOODWIN, E. Ray; GAURAV, Sharad;  
 BUCKEL, Charles T.; MCKINNEY, Con-  
 nie M.; LAMBERTSON, Michael C.  
 (74) Spruson & Ferguson

(71) Taiga Biotechnologies, Inc.  
 (11) AU-A-2022252843  
 (21) 2022252843 (22) 14.10.2022  
 (54) The production and use of red blood  
 cells  
 (51) Int. Cl.  
*C12N 5/071* ( 2010.01 )  
*A01N 63/00* ( 2020.01 )  
*C12N 5/00* ( 2006.01 )

(43) 17.11.2022  
 (62) 2020202254  
 (72) TURNER, Brian Curtis; REFAELI,  
 Yosef; BIRD, Gregory A.  
 (74) Spruson & Ferguson

(71) Thales  
 (11) AU-A-2022202918  
 (21) 2022202918 (22) 02.05.2022  
 (54) Optimized air traffic management for  
 unmanned aerial vehicles  
 (51) Int. Cl.  
*G08G 5/04* ( 2006.01 )  
 (31) 2104644 (32) 03.05.21 (33) FR  
 (43) 17.11.2022  
 (72) PESQUET-POPESCU, Béatrice; MAR-  
 TIN, Nicolas; RÉA, Olivier; PURICA,  
 Andrei  
 (74) FB Rice Pty Ltd

(71) The Governing Council of the University  
 of Toronto

(11) AU-A-2022224748  
 (21) 2022224748 (22) 30.08.2022  
 (54) Compositions And Methods For Detect-  
 ing And Treating Insulin Resistance  
 (51) Int. Cl.  
*C12N 15/113* ( 2010.01 )  
*A61K 31/713* ( 2006.01 )  
*A61P 3/08* ( 2006.01 )  
*A61P 5/50* ( 2006.01 )  
*C12Q 1/6809* ( 2018.01 )  
*C12Q 1/6858* ( 2018.01 )  
*C12Q 1/6876* ( 2018.01 )

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(43) 17.11.2022  
 (62) 2018321610  
 (72) BELSHAM, Denise; CHALMERS, Jennifer  
 (74) WRAYS PTY LTD

(71) The USA, as represented by The Secretary, Dept. of Health and Human Services

(11) AU-A-2022246465  
 (21) 2022246465 (22) 07.10.2022  
 (54) STABILIZED GROUP 2 INFLUENZA HEMAGGLUTININ STEM REGION TRIMERS AND USES THEREOF

(51) Int. Cl.  
**C07K 14/005** ( 2006.01 )  
**A61K 39/12** ( 2006.01 )  
**A61K 39/145** ( 2006.01 )  
**C07K 14/195** ( 2006.01 )

(43) 17.11.2022  
 (62) 2017321883  
 (72) Boyington, Jeffrey C.; Graham, Barney S.; Mascola, John R.; Yassine, Hadi M.; Corbett, Kizzmekia S.; Moin, Syed M.; Wang, Lingshu; Kanekiyo, Masaru  
 (74) Madderns Pty Ltd

Tiandi Science & Technology Co.,Ltd see CCTEG Coal Mining Research Institute  
 (21) 2021367388

UCL Business PLC see Vitaflo (International) Ltd  
 (21) 2022253500

Unigen, Inc. see Unigen, Inc.  
 (21) 2022252847

(71) Unigen, Inc.; Unigen, Inc.  
 (11) AU-A-2022252847  
 (21) 2022252847 (22) 14.10.2022  
 (54) Compositions and methods for joint health

(51) Int. Cl.  
**C07K 14/415** ( 2006.01 )  
**A61K 36/48** ( 2006.01 )  
**A61K 36/605** ( 2006.01 )  
**A61P 19/02** ( 2006.01 )  
**C07H 15/20** ( 2006.01 )

(43) 17.11.2022  
 (62) 2021200432  
 (72) BROWNELL, Lidia Alfaro; CHU, Min; HONG, Mei-Feng; HYUN, Eu-Jin; JIA, Qi; JIAO, Ping; KIM, Hyun-Jin; KIM, Mi-Ran; KIM, Tae-Woo; LEE, Bo-Su; LEE, Young-Chul; MOORE, Breanna; NAM, Jeong-Bum; OH, Mi-Sun; PARK, Mi-Hye; YIMAM, Mesfin; ZHANG, Qian  
 (74) Spruson & Ferguson

(71) University of Kansas  
 (11) AU-A-2021202642  
 (21) 2021202642 (22) 28.04.2021  
 (54) Methods for recovering metals using oxalate compounds

(51) Int. Cl.  
**C22B 3/16** ( 2006.01 )  
**C01F 7/06** ( 2006.01 )  
**C01G 49/02** ( 2006.01 )  
**C22B 3/44** ( 2006.01 )  
**C22B 21/00** ( 2006.01 )

(43) 17.11.2022  
 (72) Mark Brandon Shiflett; David Richard Corbin; Ankit Verma  
 (74) Spruson & Ferguson

(71) VERO Biotech LLC.  
 (11) AU-A-2022256079  
 (21) 2022256079 (22) 17.10.2022  
 (54) Nitrogen dioxide storage cassette  
 (51) Int. Cl.  
**A61M 16/10** ( 2006.01 )

(43) 17.11.2022  
 (62) 2020260499  
 (72) GELLMAN, Barry N.; TAJUDEEN, Eddie; GAMERO, Lucas; HOPKINS, Joshua; BROMBERG, Ed; DENTON, Ryan; JOHNSON, Brian J.; FINE, David H.

(74) Spruson & Ferguson

(71) Visy R & D Pty Ltd  
 (11) AU-A-2022202801  
 (21) 2022202801 (22) 28.04.2022  
 (54) Hand Erected Base  
 (51) Int. Cl.

**B65D 5/24** ( 2006.01 )  
**B31B 50/26** ( 2017.01 )  
**B65D 5/32** ( 2006.01 )  
**B65D 5/56** ( 2006.01 )  
**B65D 5/64** ( 2006.01 )  
**B65D 85/00** ( 2006.01 )  
**B31B 100/00** ( 2017.01 )  
**B31B 110/35** ( 2017.01 )

(31) 2021901250 (32) 28.04.21 (33) AU  
 (43) 17.11.2022  
 (72) ROSS, Jason William  
 (74) Davies Collison Cave Pty Ltd

(71) Vitaflo (International) Ltd; UCL Business PLC

(11) AU-A-2022253500  
 (21) 2022253500 (22) 17.10.2022  
 (54) Nutritional product  
 (51) Int. Cl.  
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(43) 17.11.2022  
 (62) 2021202459  
 (72) O'DONNELL, Maura; LAMBERT, Bridget; WALLIS, Patricia; RUTHERFORD, Patricia; HEALES, Simon; HUGHES, Sean-David; CROSS, Helen; EATON, Simon  
 (74) Spruson & Ferguson

(71) Weber-Stephen Products LLC  
 (11) AU-A-2022256109  
 (21) 2022256109 (22) 18.10.2022  
 (54) Pellet grills  
 (51) Int. Cl.  
**A47J 37/07** ( 2006.01 )  
**F23B 40/02** ( 2006.01 )

(43) 17.11.2022  
 (62) 2019424803  
 (72) DONNELLY, Brian C.; LUNDBERG, Ryan P.; ALBRECHT, Ethan; LARSON, David A.  
 (74) WRAYS PTY LTD

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 (21) 2021204223

(71) Wing Aviation LLC  
 (11) AU-A-2022256080  
 (21) 2022256080 (22) 17.10.2022  
 (54) Methods and systems for requesting and displaying UAV information  
 (51) Int. Cl.

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**G05D 1/02** ( 2020.01 )  
**G06Q 50/28** ( 2012.01 )

(43) 17.11.2022  
 (62) 2021201011  
 (72) BARRINGTON, Luke; LESSER, Jonathan  
 (74) Spruson & Ferguson

Zemke, A.B. see Deva, K.  
 (21) 2021204223

(71) zheng, m.  
 (11) AU-A-2021202769  
 (21) 2021202769 (22) 03.05.2021  
 (54) useful waterproof purse/wallet  
 (51) Int. Cl.

**A45C 1/06** ( 2006.01 )  
**A45C 11/22** ( 2006.01 )  
**A43B 3/00** ( 2006.01 )  
**A45C 13/10** ( 2006.01 )  
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(43) 17.11.2022  
 (72) zheng, min  
 (74) min zheng

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<b>C22B 3 /-</b> 2021202642	<b>F21S 9 /-</b> 2021202734	<b>G06T 7 /-</b> 2022202134	<b>H02J 3 /-</b> 2022202736 2022202853	
<b>C25B 9 /-</b> 2022202721	<b>F21V 23 /-</b> 2021202734	<b>G06V 10 /-</b> 2022202719 2022202865 2022203637	<b>H02M 1 /-</b> 2022202736	
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<b>E04D 7 /-</b> 2022202861	<b>F23D 14 /-</b> 2022202432	<b>G07F 11 /-</b> 2022202866	<b>H02S 40 /-</b> 2021202734	
	<b>G01C 21 /-</b> 2022202134 2022228224		<b>H04L 12 /-</b> 2021319365	
	<b>G01F 1 /-</b> 2022202341 2022202876		<b>H04L 41 /-</b> 2022202863	
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**Innovation Patents Open to Public Inspection**

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. (\*) Title not in Roman characters

. (\*\*) Title not given

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

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 (11) AU-A-2021107671  
 (21) 2021107671 (22) 24.08.2021  
 (54) PACKAGING COMPLIANCE METHOD  
 (51) Int. Cl.  
     G06Q 10/08 ( 2012.01 )  
     G06K 7/10 ( 2006.01 )  
     G06K 19/02 ( 2006.01 )  
     G06K 19/06 ( 2006.01 )  
     G06K 19/07 ( 2006.01 )  
     G06N 20/00 ( 2019.01 )  
     G06Q 50/02 ( 2012.01 )  
 (31) 2021900779 (32) 17.03.21 (33) AU  
 (45) 17.11.2022  
 (72) ADLER, NIGEL; TEALE, JARROD  
 (74) DAVIS IP PTY LTD

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(71) Lastavec, S.  
 (11) AU-A-2022100148  
 (21) 2022100148 (22) 20.10.2022  
 (54) A self-supporting split skillion portal  
     frame  
 (51) Int. Cl.  
     E04B 7/06 ( 2006.01 )  
     E04B 7/02 ( 2006.01 )  
 (45) 17.11.2022  
 (62) 2021211997  
 (72) Lastavec, Steven  
 (74) Patentec Patent Attorneys

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2022100148

**G06K 19 /-**

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**G06K 7 /-**

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**G06Q 10 /-**

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**G06Q 50 /-**

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<p>(71) 2Seventy Bio, Inc.                      (11) AU-A-2021255702                      (21) 2021255702 (22) 16.04.2021                      (54) Modified CCR polypeptides and uses thereof                      (51) Int. Cl.                      C07K 16/30 ( 2006.01 )                      C07K 16/28 ( 2006.01 )                      (87) WO2021/211948                      (31) 63/011,494 (32) 17.04.20 (33) US                      (43) 21.10.2021                      (72) EVANS, John W.                      (74) Davies Collison Cave Pty Ltd</p>	<p>63/133,224 31.12.20 US                      (43) 18.11.2021                      (72) JOLLY, Douglas J.; OSTERTAG, Derek G.; KASAHARA, Noriyuki; IBANEZ, Carlos; BENTLEY, Cornelia A.; HUSAIN, Mohd Mushtaq                      (74) Spruson &amp; Ferguson</p>	<p>E21B 43/263 ( 2006.01 )                      E21C 37/12 ( 2006.01 )                      F04F 1/00 ( 2006.01 )                      F04F 1/02 ( 2006.01 )                      F04F 10/02 ( 2006.01 )                      F42D 1/10 ( 2006.01 )                      (87) WO2021/214655                      (31) 2005868.1 (32) 22.04.20 (33) GB                      (43) 28.10.2021                      (72) KHARATYAN, Ellina; KOTZE, Phil-liphus, Rudolf                      (74) FPA Patent Attorneys Pty Ltd</p>
<p>(71) 4 Farmers Australia Pty Ltd                      (11) AU-A-2021261046                      (21) 2021261046 (22) 21.04.2021                      (54) Method for preparation of glyphosate composition                      (51) Int. Cl.                      A01N 57/20 ( 2006.01 )                      A01N 25/22 ( 2006.01 )                      A01N 25/30 ( 2006.01 )                      A01N 59/02 ( 2006.01 )                      A01P 13/00 ( 2006.01 )                      (87) WO2021/212171                      (31) 2020901288 (32) 24.04.20 (33) AU                      (43) 28.10.2021                      (72) PATTERSON, Philip                      (74) PHILLIPS ORMONDE FITZPATRICK</p>	<p>(71) AdrenoMed AG                      (11) AU-A-2021238591                      (21) 2021238591 (22) 15.03.2021                      (54) Pro-Adrenomedullin or fragment thereof in patients infected with Corona virus and treatments with binder against adrenomedullin                      (51) Int. Cl.                      G01N 33/68 ( 2006.01 )                      A61K 38/22 ( 2006.01 )                      G01N 33/74 ( 2006.01 )                      (87) WO2021/185784                      (31) 20163406.0 (32) 16.03.20 (33) EP                      20179738.8 12.06.20 EP                      21153847.5 27.01.21 EP                      62/990,171 16.03.20 US                      63/015,102 24.04.20 US                      63/142,370 27.01.21 US                      (43) 23.09.2021                      (72) BERGMANN, Andreas                      (74) Davies Collison Cave Pty Ltd</p>	<p>(71) Aethlon Medical, Inc.                      (11) AU-A-2021256402                      (21) 2021256402 (22) 08.04.2021                      (54) Devices and methods for treating a coronavirus infection and symptoms thereof                      (51) Int. Cl.                      G01N 33/543 ( 2006.01 )                      G01N 33/53 ( 2006.01 )                      G01N 33/566 ( 2006.01 )                      G01N 33/569 ( 2006.01 )                      (87) WO2021/211351                      (31) 63/008,786 (32) 12.04.20 (33) US                      (43) 21.10.2021                      (72) FISHER, Jr., Charles J.; CAMPION, Rosalia De Necochea; LAROSA, Steven P.; MARLEAU, Annette; JAC-OBS, Michael                      (74) Davies Collison Cave Pty Ltd</p>
<p>(71) Ab Initio Technology LLC                      (11) AU-A-2021275032                      (21) 2021275032 (22) 18.05.2021                      (54) Optimizing communication in distributed computing network                      (51) Int. Cl.                      H04L 47/263 ( 2022.01 )                      G06F 9/54 ( 2006.01 )                      (87) WO2021/236605                      (31) 63/027,008 (32) 19.05.20 (33) US                      (43) 25.11.2021                      (72) STANFILL, Craig W.                      (74) RnB IP Pty Ltd</p>	<p>(71) Advance NanoTek Ltd.; Astivita Limited                      (11) AU-A-2021237122                      (21) 2021237122 (22) 17.03.2021                      (54) Antiviral composition for oral care                      (51) Int. Cl.                      A61K 33/30 ( 2006.01 )                      A61K 8/06 ( 2006.01 )                      A61K 8/27 ( 2006.01 )                      A61K 8/35 ( 2006.01 )                      A61K 8/49 ( 2006.01 )                      A61K 9/107 ( 2006.01 )                      A61K 31/122 ( 2006.01 )                      A61K 31/351 ( 2006.01 )                      A61K 31/352 ( 2006.01 )                      A61K 31/353 ( 2006.01 )                      A61P 31/14 ( 2006.01 )                      A61Q 11/00 ( 2006.01 )                      (87) WO2021/184070                      (31) 2020900820 (32) 17.03.20 (33) AU                      (43) 23.09.2021                      (72) MIZIKOVSKY, Dalia; MIZIKOVSKY, Joseph                      (74) Spruson &amp; Ferguson</p>	<p>(71) Airway Therapeutics, Inc.                      (11) AU-A-2021258178                      (21) 2021258178 (22) 20.04.2021                      (54) Use of surfactant protein D to treat viral infections                      (51) Int. Cl.                      A61K 39/215 ( 2006.01 )                      A61K 39/42 ( 2006.01 )                      A61P 31/14 ( 2006.01 )                      C07K 16/10 ( 2006.01 )                      C12N 15/11 ( 2006.01 )                      C12N 15/50 ( 2006.01 )                      (87) WO2021/216584                      (31) 63/013,726 (32) 22.04.20 (33) US                      63/072,354 31.08.20 US                      (43) 28.10.2021                      (72) KINGMA, Paul; GRANT, Shawn; ARROYO-RODRÍGUEZ, Raquel; SALZBERG, Marc                      (74) FB Rice Pty Ltd</p>
<p>(71) Abintus Bio, Inc.                      (11) AU-A-2021273253                      (21) 2021273253 (22) 11.05.2021                      (54) Vectors and methods for in vivo transduction                      (51) Int. Cl.                      A61K 35/17 ( 2015.01 )                      A61K 39/00 ( 2006.01 )                      C07K 16/28 ( 2006.01 )                      C07K 19/00 ( 2006.01 )                      C12N 5/10 ( 2006.01 )                      C12N 7/00 ( 2006.01 )                      (87) WO2021/231505                      (31) 63/023,191 (32) 11.05.20 (33) US</p>	<p>(71) AECI Mining Limited                      (11) AU-A-2021259517                      (21) 2021259517 (22) 20.04.2021                      (54) Transport of explosives                      (51) Int. Cl.                      B65G 53/00 ( 2006.01 )                      B65G 53/30 ( 2006.01 )</p>	<p>(71) Akebia Therapeutics, Inc.                      (11) AU-A-2021239378                      (21) 2021239378 (22) 19.03.2021                      (54) PHD inhibitor compounds, compositions, and use                      (51) Int. Cl.                      C07D 403/04 ( 2006.01 )</p>

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**A61P 9/00** ( 2006.01 )  
**A61P 11/00** ( 2006.01 )  
**A61P 13/00** ( 2006.01 )  
**C07D 403/14** ( 2006.01 )  
**(87)** WO2021/188936  
**(31)** 62/992,585 **(32)** 20.03.20 **(33)** US  
**(43)** 23.09.2021  
**(72)** FLEMING, Paul E.; BLAISDELL, Thomas P.; ALLU, Senkara Rao  
**(74)** FB Rice Pty Ltd
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- (71)** Akebia Therapeutics, Inc.  
**(11)** AU-A-2021240044  
**(21)** 2021240044 **(22)** 19.03.2021  
**(54)** PHD inhibitor compounds, compositions, and use  
**(51)** Int. Cl.  
**C07D 403/04** ( 2006.01 )  
**A61K 31/455** ( 2006.01 )  
**A61P 9/00** ( 2006.01 )  
**A61P 11/00** ( 2006.01 )  
**A61P 13/00** ( 2006.01 )  
**C07D 403/14** ( 2006.01 )  
**(87)** WO2021/188938  
**(31)** 62/992,606 **(32)** 20.03.20 **(33)** US  
**(43)** 23.09.2021  
**(72)** FLEMING, Paul E.; BLAISDELL, Thomas P.; ALLU, Senkara Rao  
**(74)** FB Rice Pty Ltd
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- (71)** Alcon Inc.  
**(11)** AU-A-2021236973  
**(21)** 2021236973 **(22)** 18.03.2021  
**(54)** Insert materials with high oxygen permeability and high refractive index  
**(51)** Int. Cl.  
**G02B 1/04** ( 2006.01 )  
**(87)** WO2021/186381  
**(31)** 62/991,724 **(32)** 19.03.20 **(33)** US  
**(43)** 23.09.2021  
**(72)** CHENG, Jing; LIANG, Wei; ZHANG, Steve Yun  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** Alcon Inc.  
**(11)** AU-A-2021237863  
**(21)** 2021237863 **(22)** 18.03.2021  
**(54)** Embedded silicone hydrogel contact lenses  
**(51)** Int. Cl.  
**G02B 1/04** ( 2006.01 )  
**(87)** WO2021/186383  
**(31)** 62/991,740 **(32)** 19.03.20 **(33)** US  
**(43)** 23.09.2021  
**(72)** BASSAMPOUR, Zahra; CHENG, Jing; ZHANG, Steve Yun  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** Alcon Inc.  
**(11)** AU-A-2021239052  
**(21)** 2021239052 **(22)** 18.03.2021  
**(54)** High refractive index siloxane insert materials for embedded contact lenses  
**(51)** Int. Cl.  
**G02B 1/04** ( 2006.01 )  
**(87)** WO2021/186382
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- (31)** 62/991,732 **(32)** 19.03.20 **(33)** US  
**(43)** 23.09.2021  
**(72)** CHENG, Jing; ZHANG, Steve Yun  
**(74)** Davies Collison Cave Pty Ltd
- 
- (71)** Alkermes Pharma Ireland Limited; Clovis Oncology, Inc.  
**(11)** AU-A-2021254793  
**(21)** 2021254793 **(22)** 15.04.2021  
**(54)** Immunostimulatory agents in combination with angiogenesis inhibitors  
**(51)** Int. Cl.  
**A61K 38/20** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07K 14/55** ( 2006.01 )  
**C07K 14/715** ( 2006.01 )  
**C12N 15/62** ( 2006.01 )  
**(87)** WO2021/211860  
**(31)** 63/010,185 **(32)** 15.04.20 **(33)** US  
**(43)** 21.10.2021  
**(72)** LOPES, Jared; LOSEY, Heather C.; WINQUIST, Raymond J.; DUSEK, Rachel; SIMMONS, Andrew David  
**(74)** FB Rice Pty Ltd
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- (71)** Alkermes Pharma Ireland Limited  
**(11)** AU-A-2021257874  
**(21)** 2021257874 **(22)** 15.04.2021  
**(54)** Immunostimulatory agents in combination with angiogenesis inhibitors  
**(51)** Int. Cl.  
**A61K 38/17** ( 2006.01 )  
**A61K 38/20** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07K 14/55** ( 2006.01 )  
**C07K 14/715** ( 2006.01 )  
**(87)** WO2021/211857  
**(31)** 63/010,185 **(32)** 15.04.20 **(33)** US  
**(43)** 21.10.2021  
**(72)** LOSEY, Heather C.; WINQUIST, Raymond J.; LOPES, Jared  
**(74)** FB Rice Pty Ltd
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- (71)** ALL SPACE NETWORKS LIMITED  
**(11)** AU-A-2021249537  
**(21)** 2021249537 **(22)** 01.04.2021  
**(54)** Field-assembled modular phased array SATCOM terminal  
**(51)** Int. Cl.  
**H04B 1/3827** ( 2015.01 )  
**H01Q 1/08** ( 2006.01 )  
**H01Q 1/27** ( 2006.01 )  
**H01Q 21/00** ( 2006.01 )  
**H01Q 21/06** ( 2006.01 )  
**(87)** WO2021/198990  
**(31)** 63/004,929 **(32)** 03.04.20 **(33)** US  
**(43)** 07.10.2021  
**(72)** TURPIN, Jeremiah P.; BILLMAN, Brian; FINNEY, John  
**(74)** WRAYS PTY LTD
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- (71)** AL-S Pharma AG; Neurimmune AG  
**(11)** AU-A-2021237769  
**(21)** 2021237769 **(22)** 18.03.2021  
**(54)** Misfolded SOD1 assay
- 
- (51)** Int. Cl.  
**G01N 33/573** ( 2006.01 )  
**G01N 33/543** ( 2006.01 )  
**G01N 33/577** ( 2006.01 )  
**G01N 33/68** ( 2006.01 )  
**(87)** WO2021/185961  
**(31)** 20163909.3 **(32)** 18.03.20 **(33)** EP  
**(43)** 23.09.2021  
**(72)** MAIER, Marcel; SALZMANN, Michael; GRIMM, Jan  
**(74)** Davies Collison Cave Pty Ltd
- 
- (71)** Amgen Inc.  
**(11)** AU-A-2020442490  
**(21)** 2020442490 **(22)** 15.04.2020  
**(54)** Process for generating genetically engineered autologous T cells  
**(51)** Int. Cl.  
**A61K 35/17** ( 2015.01 )  
**C12N 5/0783** ( 2010.01 )  
**(87)** WO2021/211104  
**(43)** 21.10.2021  
**(72)** LIU, Yijun; HENCKELS, Kathryn A.; ARBELAEZ, Carlos  
**(74)** Spruson & Ferguson
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- (71)** Amgen Inc.  
**(11)** AU-A-2021260885  
**(21)** 2021260885 **(22)** 21.04.2021  
**(54)** Selecting chromatography parameters for manufacturing therapeutic proteins  
**(51)** Int. Cl.  
**C07K 1/16** ( 2006.01 )  
**B01D 15/08** ( 2006.01 )  
**G01N 30/02** ( 2006.01 )  
**(87)** WO2021/216635  
**(31)** 63/014,273 **(32)** 23.04.20 **(33)** US  
**(43)** 28.10.2021  
**(72)** DAN, Or; HART, Roger; WONG, Hann-chung  
**(74)** Spruson & Ferguson
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- (71)** Amgen Inc.  
**(11)** AU-A-2021277192  
**(21)** 2021277192 **(22)** 17.05.2021  
**(54)** Storage system and method for storing and transporting medicament  
**(51)** Int. Cl.  
**F25D 16/00** ( 2006.01 )  
**(87)** WO2021/236477  
**(31)** 63/028,875 **(32)** 22.05.20 **(33)** US  
**(43)** 25.11.2021  
**(72)** CHERN, Rey T.; MEI, Fanghua; BARBEDETTE, Loic  
**(74)** Spruson & Ferguson
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- (71)** Antengene Discovery Limited  
**(11)** AU-A-2021283585  
**(21)** 2021283585 **(22)** 03.06.2021  
**(54)** Inhibitors of KRAS G12C protein and uses thereof  
**(51)** Int. Cl.  
**C07D 487/04** ( 2006.01 )  
**A61K 31/519** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**(87)** WO2021/244603

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- (33) CN  
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- H01M 4/04* ( 2006.01 )  
*H01M 4/13* ( 2010.01 )  
*H01M 4/133* ( 2010.01 )  
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*H01M 10/052* ( 2010.01 )
- (43) 09.12.2021
- (72) SHAN, Bo; WANG, Jian; HOU, Bing; SHI, Zhongyang; CHEN, Peng; YUWEN, Hui; MA, Xingquan; DU, Zhu; MEI, Jay
- (74) PHILLIPS ORMONDE FITZPATRICK
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- (71) Anteo Energy Technology Pty Ltd  
(11) AU-A-2021252433  
(21) 2021252433 (22) 08.04.2021  
(54) Cured conductive binder material, uses thereof and methods of forming same
- (51) Int. Cl.  
*C08K 9/02* ( 2006.01 )  
*B01J 13/00* ( 2006.01 )  
*B82B 3/00* ( 2006.01 )  
*B82Y 40/00* ( 2011.01 )  
*C01B 32/168* ( 2017.01 )  
*C01B 33/113* ( 2006.01 )  
*C01G 53/09* ( 2006.01 )  
*C01G 53/10* ( 2006.01 )  
*C08K 3/04* ( 2006.01 )  
*C08K 3/36* ( 2006.01 )  
*C08L 1/28* ( 2006.01 )  
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*C08L 33/02* ( 2006.01 )  
*H01M 4/04* ( 2006.01 )  
*H01M 4/13* ( 2010.01 )  
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- (87) WO2021/203170  
(31) 2020901117 (32) 08.04.20 (33) AU  
(43) 14.10.2021  
(72) HANSEN, Kai-Anders; HUANG, Chang-Yi; MAEJI, Nobuyoshi Joe; WIESER, Manuel Christoph
- (74) FB Rice Pty Ltd
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- (71) Anteo Energy Technology Pty Ltd  
(11) AU-A-2021253253  
(21) 2021253253 (22) 08.04.2021  
(54) Composite particle and method of forming same
- (51) Int. Cl.  
*C01B 33/113* ( 2006.01 )  
*B01J 13/00* ( 2006.01 )  
*B82B 3/00* ( 2006.01 )  
*B82Y 40/00* ( 2011.01 )  
*C01B 32/168* ( 2017.01 )  
*C01G 53/09* ( 2006.01 )  
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*C08K 3/04* ( 2006.01 )  
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*C08L 5/04* ( 2006.01 )  
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- (71) ARRIS Enterprises LLC  
(11) AU-A-2021239382  
(21) 2021239382 (22) 19.03.2021  
(54) Efficient remote PHY dataplane management for a cable system
- (51) Int. Cl.  
*H04L 12/28* ( 2006.01 )  
*H04Q 11/00* ( 2006.01 )
- (87) WO2021/188956  
(31) 62/992,348 (32) 20.03.20 (33) US  
(43) 23.09.2021  
(72) JOTHILINGAM, Vasudevan; VENKATAPPA, Kumara Swamy Tadiavagilu
- (74) Davies Collison Cave Pty Ltd
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(11) AU-A-2021242241  
(21) 2021242241 (22) 19.03.2021  
(54) Secure online issuance of customer-specific certificates with offline key generation
- (51) Int. Cl.  
*H04L 9/32* ( 2006.01 )
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(31) 62/994,996 (32) 26.03.20 (33) US  
(43) 30.09.2021  
(72) MEDVINSKY, Alexander; CHAN, Tat,Keung; QIU, Xin; PASION, Jason A.; YAO, Ting; RAMAKRISHNAN, Shanthakumar
- (74) Davies Collison Cave Pty Ltd
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(11) AU-A-2021249036  
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(54) Advertisement preparation systems
- (51) Int. Cl.  
*G11B 27/031* ( 2006.01 )  
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*H04N 21/81* ( 2011.01 )
- (87) WO2021/202353  
(31) 63/002,973 (32) 31.03.20 (33) US  
(43) 07.10.2021  
(72) DU BREUIL, Thomas L.
- (74) Davies Collison Cave Pty Ltd
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- (71) Aruna Bio, Inc.  
(11) AU-A-2021264512
- (21) 2021264512 (22) 27.04.2021  
(54) Binding agents and uses thereof for central nervous system delivery
- (51) Int. Cl.  
*A61K 31/7088* ( 2006.01 )  
*A61K 48/00* ( 2006.01 )  
*A61P 25/16* ( 2006.01 )  
*A61P 25/28* ( 2006.01 )  
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- (87) WO2021/222295  
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(72) STICE, Steven L.; SWETENBURG, Raymond
- (74) A.P.T. Patent and Trade Mark Attorneys
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- (71) Asahi Kasei Kabushiki Kaisha  
(11) AU-A-2021255398  
(21) 2021255398 (22) 14.04.2021  
(54) Electrolysis system and method for using same
- (51) Int. Cl.  
*C25B 15/02* ( 2021.01 )
- (87) WO2021/210611  
(31) 2020-073416 (32) 16.04.20 (33) JP  
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(72) FUJITA, Yasuhiro; TOGO, Hiroyuki; NAGATE, Hirokazu; UCHINO, Yousuke; NAKASHIMA, Keisuke
- (74) Griffith Hack
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- (71) Assembly Biosciences, Inc.  
(11) AU-A-2021261307  
(21) 2021261307 (22) 21.04.2021  
(54) 5-membered heteroaryl carboxamide compounds for treatment of HBV
- (51) Int. Cl.  
*C07D 401/08* ( 2006.01 )  
*A61K 31/4164* ( 2006.01 )  
*A61P 31/12* ( 2006.01 )  
*C07D 233/90* ( 2006.01 )  
*C07D 403/08* ( 2006.01 )  
*C07D 471/04* ( 2006.01 )  
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*C07D 498/04* ( 2006.01 )
- (87) WO2021/216656  
(31) 63/014,001 (32) 22.04.20 (33) US  
(43) 28.10.2021  
(72) HECKRODT, Thilo; WALKER, Michael; ZHONG, Min
- (74) Spruson & Ferguson
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- (71) Aucentra Therapeutics Pty Ltd  
(11) AU-A-2021268689  
(21) 2021268689 (22) 05.05.2021  
(54) Treatment of proliferative diseases of the CNS
- (51) Int. Cl.  
*A61K 31/427* ( 2006.01 )  
*A61K 31/506* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
*C07D 417/14* ( 2006.01 )
- (87) WO2021/222967  
(31) 2020901435 (32) 06.05.20 (33) AU  
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(72) WANG, Shudong
- (74) Madderns Pty Ltd

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- (71) Australia and New Zealand Banking Group Limited  
 (11) AU-A-2021256472  
 (21) 2021256472 (22) 16.04.2021  
 (54) Method and system for conditioning data sets for efficient computational processing  
 (51) Int. Cl.  
*G06N 20/00* ( 2019.01 )  
*G01W 1/00* ( 2006.01 )  
*G06F 16/906* ( 2019.01 )  
*G06F 17/18* ( 2006.01 )  
*G06Q 10/04* ( 2012.01 )  
 (87) WO2021/207797  
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 (43) 21.10.2021  
 (72) DU PREEZ, Warren  
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- (71) BAE Systems PLC  
 (11) AU-A-2021277569  
 (21) 2021277569 (22) 18.05.2021  
 (54) On-die computer apparatus  
 (51) Int. Cl.  
*G06F 21/53* ( 2013.01 )  
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 (31) 2007585.9 (32) 21.05.20 (33) GB  
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 (72) BISHOP, Simon  
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- (71) Baker Hughes Oilfield Operations LLC  
 (11) AU-A-2021259155  
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 (54) Pressure balanced running tool  
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*E21B 34/14* ( 2006.01 )  
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 (31) 16/855,539 (32) 22.04.20 (33) US  
 (43) 28.10.2021  
 (72) TUTTLE, Elliott; FRASER, James  
 (74) Patent Attorney Services
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- (71) Balsam International Unlimited Company  
 (11) AU-A-2021260175  
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 (54) Christmas tree and method of assembling a tree  
 (51) Int. Cl.  
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 WILKINS, David Jason  
 (74) Oxygene IP
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 (51) Int. Cl.  
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*A61M 39/26* ( 2006.01 )  
*A61M 39/10* ( 2006.01 )  
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 (72) BLANCHARD, Daniel B.  
 (74) FB Rice Pty Ltd
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 (11) AU-A-2021239009  
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 (51) Int. Cl.  
*B60G 17/052* ( 2006.01 )  
*B60G 11/27* ( 2006.01 )  
*B60G 17/015* ( 2006.01 )  
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*B60G 21/073* ( 2006.01 )  
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 (54) Artificial turf  
 (51) Int. Cl.  
*E01C 13/08* ( 2006.01 )  
*B32B 5/18* ( 2006.01 )  
*D06N 7/00* ( 2006.01 )  
*B32B 3/06* ( 2006.01 )  
*B32B 5/02* ( 2006.01 )  
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*B32B 5/24* ( 2006.01 )  
*B32B 5/26* ( 2006.01 )  
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 (51) Int. Cl.  
*C07D 213/75* ( 2006.01 )  
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- (71) Beijing Goldwind Science & Creation Windpower Equipment Co., Ltd.  
 (11) AU-A-2021262176  
 (21) 2021262176 (22) 31.03.2021  
 (54) Clearance monitoring system of wind turbine set, and monitoring method and device  
 (51) Int. Cl.  
*F03D 17/00* ( 2016.01 )  
 (87) WO2021/218541  
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 (21) 2021317217 (22) 30.06.2021  
 (54) Power assembly of three-level inverter, three-level inverter, and wind turbine  
 (51) Int. Cl.  
*H02M 7/487* ( 2007.01 )  
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 (72) FU, Songge; YUAN, Xiaofeng  
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 (11) AU-A-2021258543  
 (21) 2021258543 (22) 23.04.2021  
 (54) Method of selecting patients for treatment with a combination of an AXL inhibitor and an immune checkpoint modulator  
 (51) Int. Cl.  
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*A61P 35/00* ( 2006.01 )  
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A61K 39/12 ( 2006.01 ) A61K 39/215 ( 2006.01 ) A61P 31/14 ( 2006.01 ) C07K 7/06 ( 2006.01 ) C07K 14/165 ( 2006.01 ) (87) WO2021/188969 (31) 62/992,666 (32) 20.03.20 (33) US 63/026,559 18.05.20 US 63/059,582 31.07.20 US 63/086,519 01.10.20 US 63/122,904 08.12.20 US (43) 23.09.2021 (72) GAYNOR, Richard B.; SRINIVASAN, Lakshmi; PORAN, Asaf; HARJANTO, Dewi; KUKSIN, Christina; ROTHEN- BERG, Daniel Abram; SROUJI, John; SAHIN, Ugur (74) FB Rice Pty Ltd</p> <hr/> <p>(71) BioNTech SE (11) AU-A-2021261471 (21) 2021261471 (22) 16.04.2021 (54) Coronavirus vaccine (51) Int. Cl. A61K 39/12 ( 2006.01 ) A61K 39/00 ( 2006.01 ) (87) WO2021/213924 (31) PCT/ (32) 03.08.20 (33) EP EP2020/071839 PCT/ 24.08.20 EP EP2020/073668 PCT/ 09.11.20 EP EP2020/081544 PCT/ 12.11.20 EP EP2020/081981 PCT/ 18.11.20 EP EP2020/082601 PCT/ 20.11.20 EP EP2020/082989 PCT/ 25.11.20 EP EP2020/083435</p> <hr/> <p>(71) Biorchestra Co., Ltd. (11) AU-A-2021260191 (21) 2021260191 (22) 23.04.2021 (54) Diagnostic methods using miR-485-3p expression (51) Int. Cl. C12Q 1/6883 ( 2018.01 ) A61K 31/7105 ( 2006.01 ) A61K 47/69 ( 2017.01 ) A61P 25/28 ( 2006.01 ) (87) WO2021/214720 (31) 63/014,633 (32) 23.04.20 (33) US 63/047,206 01.07.20 US 63/064,305 11.08.20 US (43) 28.10.2021 (72) RYU, Jin-Hyeob; KIM, Dae Hoon; MIN, Jae Woong; PARK, Byung Gyu; MIN, Hyun Su; LIM, Yu Na (74) Spruson &amp; Ferguson</p> <hr/> <p>(71) Biotalys NV (11) AU-A-2021250446 (21) 2021250446 (22) 31.03.2021 (54) Anti-fungal polypeptides (51) Int. Cl. 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GÜLER, Alptekin; KUHN, Andreas; MUIK, Alexander; VOGEL, Annette; WALZER, Kerstin; WITZEL, Sonja; HEIN, Stephanie; TÜRECI, Özlem (74) PHILLIPS ORMONDE FITZPATRICK</p> <hr/> <p>PCT/ 02.12.20 EP EP2020/084342 PCT/ 08.12.20 EP EP2020/085145 PCT/ 10.12.20 EP EP2020/085653 PCT/ 23.12.20 EP EP2020/087844 PCT/ 04.01.21 EP EP2021/050027 PCT/ 15.01.21 EP EP2021/050874 PCT/ 15.01.21 EP EP2021/050875 PCT/ 26.01.21 EP EP2021/051772 PCT/ 03.02.21 EP EP2021/052572 PCT/ 04.02.21 EP EP2021/052716 PCT/ 24.02.21 EP EP2021/054622 PCT/ 22.04.20 EP EP2020/061239 PCT/ 18.06.20 EP EP2020/066968 PCT/ 26.06.20 EP EP2020/068174 PCT/ 13.07.20 EP EP2020/069805 PCT/ 31.07.20 EP EP2020/071733 (43) 28.10.2021 (72) SAHIN, Ugur; GÜLER, Alptekin; KUHN, Andreas; MUIK, Alexander; VOGEL, Annette; WALZER, Kerstin; WITZEL, Sonja; HEIN, Stephanie; TÜRECI, Özlem (74) PHILLIPS ORMONDE FITZPATRICK</p> <hr/> <p>PCT/ 02.12.20 EP EP2020/084342 PCT/ 08.12.20 EP EP2020/085145 PCT/ 10.12.20 EP EP2020/085653 PCT/ 23.12.20 EP EP2020/087844 PCT/ 04.01.21 EP EP2021/050027 PCT/ 15.01.21 EP EP2021/050874 PCT/ 15.01.21 EP EP2021/050875 PCT/ 26.01.21 EP EP2021/051772 PCT/ 03.02.21 EP EP2021/052572 PCT/ 04.02.21 EP EP2021/052716 PCT/ 24.02.21 EP EP2021/054622 PCT/ 22.04.20 EP EP2020/061239 PCT/ 18.06.20 EP EP2020/066968 PCT/ 26.06.20 EP EP2020/068174 PCT/ 13.07.20 EP EP2020/069805 PCT/ 31.07.20 EP EP2020/071733 (43) 28.10.2021 (72) SAHIN, Ugur; GÜLER, Alptekin; KUHN, Andreas; MUIK, Alexander; VOGEL, Annette; WALZER, Kerstin; WITZEL, Sonja; HEIN, Stephanie; TÜRECI, Özlem (74) PHILLIPS ORMONDE FITZPATRICK</p> <hr/> <p>PCT/ 02.12.20 EP EP2020/084342 PCT/ 08.12.20 EP EP2020/085145 PCT/ 10.12.20 EP EP2020/085653 PCT/ 23.12.20 EP EP2020/087844 PCT/ 04.01.21 EP EP2021/050027 PCT/ 15.01.21 EP EP2021/050874 PCT/ 15.01.21 EP EP2021/050875 PCT/ 26.01.21 EP EP2021/051772 PCT/ 03.02.21 EP EP2021/052572 PCT/ 04.02.21 EP EP2021/052716 PCT/ 24.02.21 EP EP2021/054622 PCT/ 22.04.20 EP EP2020/061239 PCT/ 18.06.20 EP EP2020/066968 PCT/ 26.06.20 EP EP2020/068174 PCT/ 13.07.20 EP EP2020/069805 PCT/ 31.07.20 EP EP2020/071733 (43) 28.10.2021 (72) SAHIN, Ugur; GÜLER, Alptekin; KUHN, Andreas; MUIK, Alexander; VOGEL, Annette; WALZER, Kerstin; WITZEL, Sonja; HEIN, Stephanie; TÜRECI, Özlem (74) PHILLIPS ORMONDE FITZPATRICK</p> <hr/> <p>PCT/ 02.12.20 EP EP2020/084342 PCT/ 08.12.20 EP EP2020/085145 PCT/ 10.12.20 EP EP2020/085653 PCT/ 23.12.20 EP EP2020/087844 PCT/ 04.01.21 EP EP2021/050027 PCT/ 15.01.21 EP EP2021/050874 PCT/ 15.01.21 EP EP2021/050875 PCT/ 26.01.21 EP EP2021/051772 PCT/ 03.02.21 EP EP2021/052572 PCT/ 04.02.21 EP EP2021/052716 PCT/ 24.02.21 EP EP2021/054622 PCT/ 22.04.20 EP EP2020/061239 PCT/ 18.06.20 EP EP2020/066968 PCT/ 26.06.20 EP EP2020/068174 PCT/ 13.07.20 EP EP2020/069805 PCT/ 31.07.20 EP EP2020/071733 (43) 28.10.2021 (72) SAHIN, Ugur; GÜLER, Alptekin; KUHN, Andreas; MUIK, Alexander; VOGEL, Annette; WALZER, Kerstin; WITZEL, Sonja; HEIN, Stephanie; TÜRECI, Özlem (74) PHILLIPS ORMONDE FITZPATRICK</p> <hr/> <p>PCT/ 02.12.20 EP EP2020/084342 PCT/ 08.12.20 EP EP2020/085145 PCT/ 10.12.20 EP EP2020/085653 PCT/ 23.12.20 EP EP2020/087844 PCT/ 04.01.21 EP EP2021/050027 PCT/ 15.01.21 EP EP2021/050874 PCT/ 15.01.21 EP EP2021/050875 PCT/ 26.01.21 EP EP2021/051772 PCT/ 03.02.21 EP EP2021/052572 PCT/ 04.02.21 EP EP2021/052716 PCT/ 24.02.21 EP EP2021/054622 PCT/ 22.04.20 EP EP2020/061239 PCT/ 18.06.20 EP EP2020/066968 PCT/ 26.06.20 EP EP2020/068174 PCT/ 13.07.20 EP EP2020/069805 PCT/ 31.07.20 EP EP2020/071733 (43) 28.10.2021 (72) SAHIN, Ugur; GÜLER, Alptekin; KUHN, Andreas; MUIK, Alexander; VOGEL, Annette; WALZER, Kerstin; WITZEL, Sonja; HEIN, Stephanie; TÜRECI, Özlem (74) PHILLIPS ORMONDE FITZPATRICK</p> <hr/> <p>PCT/ 02.12.20 EP EP2020/084342 PCT/ 08.12.20 EP EP2020/085145 PCT/ 10.12.20 EP EP2020/085653 PCT/ 23.12.20 EP EP2020/087844 PCT/ 04.01.21 EP EP2021/050027 PCT/ 15.01.21 EP EP2021/050874 PCT/ 15.01.21 EP EP2021/050875 PCT/ 26.01.21 EP EP2021/051772 PCT/ 03.02.21 EP EP2021/052572 PCT/ 04.02.21 EP EP2021/052716 PCT/ 24.02.21 EP EP2021/054622 PCT/ 22.04.20 EP EP2020/061239 PCT/ 18.06.20 EP EP2020/066968 PCT/ 26.06.20 EP EP2020/068174 PCT/ 13.07.20 EP EP2020/069805 PCT/ 31.07.20 EP EP2020/071733 (43) 28.10.2021 (72) SAHIN, Ugur; 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**(31)** 20167432.2 **(32)** 31.03.20 **(33)** EP  
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**(43)** 07.10.2021  
**(72)** BELOGLAZOVA, Natalia; REVETS,  
 Hilde Adi Pierrette; STANSSENS,  
 Patrick; VAN DAELE, Inge Elodie  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Blaze Bioscience, Inc.  
**(11)** AU-A-2021297347  
**(21)** 2021297347 **(22)** 25.06.2021  
**(54)** Systems and methods for simultaneous  
 near-infrared light and visible light ima-  
 ging  
**(51)** Int. Cl.  
**G01N 21/64** ( 2006.01 )  
**G02B 6/34** ( 2006.01 )  
**G02B 21/06** ( 2006.01 )  
**G02B 21/16** ( 2006.01 )  
**H04N 5/33** ( 2006.01 )  
**(87)** WO2021/263159  
**(31)** 63/044,303 **(32)** 25.06.20 **(33)** US  
**(43)** 30.12.2021  
**(72)** PERRY, Jeffrey; KITTLE, David;  
 NOVAK, Julia; KOLLER, Teri Dee;  
 MILLER, Dennis  
**(74)** Griffith Hack

**(71)** BL Technologies, Inc.  
**(11)** AU-A-2021245846  
**(21)** 2021245846 **(22)** 30.03.2021  
**(54)** High pressure spiral wound membrane  
 module  
**(51)** Int. Cl.  
**B01D 63/10** ( 2006.01 )  
**B01D 69/02** ( 2006.01 )  
**(87)** WO2021/202520  
**(31)** 202010250735.5 **(32)** 01.04.20 **(33)** CN  
**(43)** 07.10.2021  
**(72)** ZHAI, Jianwen; YANG, Linglu; WANG,  
 Tingting; WU, Zhiguo  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Board of Regents, The University of  
 Texas System; The Trustees of Indiana  
 University  
**(11)** AU-A-2021265090  
**(21)** 2021265090 **(22)** 27.04.2021  
**(54)** Identifying and classifying microorgan-  
 isms  
**(51)** Int. Cl.  
**H01J 49/26** ( 2006.01 )  
**G01N 1/38** ( 2006.01 )  
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**(87)** WO2021/222182  
**(31)** 63/016,129 **(32)** 27.04.20 **(33)** US  
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**(43)** 04.11.2021  
**(72)** SCHIAVINATO EBERLIN, Livia; POVIL-  
 AITIS, Sydney; SANS ESCOFET,  
 Marta; ZHANG, Jialing; KIRKPATRICK,  
 Lindsey M.  
**(74)** RnB IP Pty Ltd

**(71)** Boehringer Ingelheim International  
 GmbH  
**(11)** AU-A-2021276332  
**(21)** 2021276332 **(22)** 18.05.2021  
**(54)** Binding molecules for the treatment of  
 cancer  
**(51)** Int. Cl.  
**A61P 35/00** ( 2006.01 )  
**A61K 47/68** ( 2017.01 )  
**C07K 16/28** ( 2006.01 )  
**C07K 16/40** ( 2006.01 )  
**(87)** WO2021/236658  
**(31)** 63/026,883 **(32)** 19.05.20 **(33)** US  
 63/037,241 10.06.20 US  
**(43)** 25.11.2021  
**(72)** BORGES, Eric; GUPTA, Pankaj;  
 ROWE, Daniel Christopher; SCHEER,  
 Justin M.; SOUABNI, Abdallah;  
 TIRAPU, Inigo; TUMANG, Joseph Ron-  
 ald  
**(74)** Spruson & Ferguson

**(71)** Bongartz, N.  
**(11)** AU-A-2021257637  
**(21)** 2021257637 **(22)** 16.04.2021  
**(54)** Drive element  
**(51)** Int. Cl.  
**F16B 23/00** ( 2006.01 )  
**(87)** WO2021/209624  
**(31)** 10 2020 110 450.2 **(32)** 16.04.20 **(33)** DE  
**(43)** 21.10.2021  
**(72)** BONGARTZ, Nicole  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Boston Scientific Scimed, Inc.  
**(11)** AU-A-2021273749  
**(21)** 2021273749 **(22)** 18.05.2021  
**(54)** Medical seal assemblies and methods  
 of using the same  
**(51)** Int. Cl.  
**A61B 17/00** ( 2006.01 )  
**A61B 1/00** ( 2006.01 )  
**A61M 25/00** ( 2006.01 )  
**A61M 31/00** ( 2006.01 )  
**(87)** WO2021/236669  
**(31)** 63/027,223 **(32)** 19.05.20 **(33)** US  
**(43)** 25.11.2021  
**(72)** SMITH, Amanda Lynn; KING, Joseph  
 W.  
**(74)** Spruson & Ferguson

**(71)** C.M.C. S.p.A.  
**(11)** AU-A-2021278403  
**(21)** 2021278403 **(22)** 24.05.2021  
**(54)** A machine and method for packaging  
 articles by wrapping  
**(51)** Int. Cl.  
**B65B 9/067** ( 2012.01 )  
**B65B 49/16** ( 2006.01 )  
**B65B 51/02** ( 2006.01 )  
**B65B 59/00** ( 2006.01 )  
**(87)** WO2021/240342  
**(31)** 102020000012661 **(32)** 28.05.20 **(33)** IT  
**(43)** 02.12.2021  
**(72)** PONTI, Giuseppe  
**(74)** Griffith Hack

**(71)** CaaMTech, Inc.  
**(11)** AU-A-2021252535  
**(21)** 2021252535 **(22)** 06.04.2021  
**(54)** Crystalline 5-methoxy-N,N-diallyltrypt-  
 amine compounds  
**(51)** Int. Cl.  
**A61K 31/485** ( 2006.01 )  
**A61K 9/20** ( 2006.01 )  
**A61K 9/28** ( 2006.01 )  
**(87)** WO2021/207137  
**(31)** 63/006,371 **(32)** 07.04.20 **(33)** US  
 63/132,547 31.12.20 US  
**(43)** 14.10.2021  
**(72)** CHADEAYNE, Andrew R.  
**(74)** Allens Patent & Trade Mark Attorneys

**(71)** CaaMTech, Inc.  
**(11)** AU-A-2021267859  
**(21)** 2021267859 **(22)** 04.05.2021  
**(54)** Crystalline dimethyl tryptamine ana-  
 logues  
**(51)** Int. Cl.  
**C12N 9/02** ( 2006.01 )  
**C12N 9/12** ( 2006.01 )  
**C12N 9/88** ( 2006.01 )  
**(87)** WO2021/226041  
**(31)** 63/019,579 **(32)** 04.05.20 **(33)** US  
**(43)** 11.11.2021  
**(72)** CHADEAYNE, Andrew R.  
**(74)** ALLENS PATENT & TRADE MARK  
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**(71)** Cancer Research Technology Limited  
**(11)** AU-A-2021255917  
**(21)** 2021255917 **(22)** 16.04.2021  
**(54)** Modulation of T cell cytotoxicity and re-  
 lated therapy  
**(51)** Int. Cl.  
**A61K 35/17** ( 2015.01 )  
**A61P 35/00** ( 2006.01 )  
**(87)** WO2021/209627  
**(31)** 2005599.2 **(32)** 17.04.20 **(33)** GB  
**(43)** 21.10.2021  
**(72)** QUEZADA, Sergio; PEGGS, Karl;  
 SWANTON, Charles; GHORANI, Eh-  
 san; READING, James; GALVEZ-CAN-  
 CINO, Felipe; KARAGIANNI, Despoina  
**(74)** FB Rice Pty Ltd

**(71)** CareFusion 303, Inc.  
**(11)** AU-A-2021261387  
**(21)** 2021261387 **(22)** 22.04.2021  
**(54)** Screw control medical fluid flow mani-  
 folds  
**(51)** Int. Cl.  
**A61M 5/14** ( 2006.01 )  
**A61M 5/168** ( 2006.01 )  
**A61M 39/10** ( 2006.01 )  
**A61M 39/22** ( 2006.01 )  
**(87)** WO2021/216918  
**(31)** 16/857,085 **(32)** 23.04.20 **(33)** US  
**(43)** 28.10.2021  
**(72)** SUWITO, Wantjinarjo  
**(74)** FB Rice Pty Ltd

**(71)** Cargill, Incorporated  
**(11)** AU-A-2021258172

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- (21) 2021258172 (22) 20.04.2021  
 (54) Steviol glycoside malonic acid esters  
 (51) Int. Cl.  
**A23L 27/30** ( 2016.01 )  
**A23L 2/60** ( 2006.01 )  
**C07H 1/08** ( 2006.01 )  
 (87) WO2021/216549  
 (31) 63/012,601 (32) 20.04.20 (33) US  
 (43) 28.10.2021  
 (72) GASPARD, Dan S.; ZARTH, Adam T.  
 (74) Spruson & Ferguson
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- (71) Cargill, Incorporated  
 (11) AU-A-2021259441  
 (21) 2021259441 (22) 20.04.2021  
 (54) Increasing yield of steviol glycosides  
 (51) Int. Cl.  
**A23L 27/30** ( 2016.01 )  
 (87) WO2021/216553  
 (31) 63/012,606 (32) 20.04.20 (33) US  
 (43) 28.10.2021  
 (72) GASPARD, Dan S.; ZARTH, Adam T.  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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- (71) Caterpillar Inc.  
 (11) AU-A-2021255758  
 (21) 2021255758 (22) 11.03.2021  
 (54) Bucket tooth monitoring system  
 (51) Int. Cl.  
**E02F 9/26** ( 2006.01 )  
**E02F 9/28** ( 2006.01 )  
**G01R 33/02** ( 2006.01 )  
**G01V 3/08** ( 2006.01 )  
**G07C 5/08** ( 2006.01 )  
**G08B 21/18** ( 2006.01 )  
**H04W 4/38** ( 2018.01 )  
 (87) WO2021/211234  
 (31) 16/849,706 (32) 15.04.20 (33) US  
 (43) 21.10.2021  
 (72) HALL, James C.  
 (74) FPA Patent Attorneys Pty Ltd
- 
- (71) Caterpillar Inc.  
 (11) AU-A-2021259411  
 (21) 2021259411 (22) 19.04.2021  
 (54) Systems and methods for controlling a discharge rate of a hauling machine  
 (51) Int. Cl.  
**B60P 1/26** ( 2006.01 )  
**B60P 1/16** ( 2006.01 )  
 (87) WO2021/216401  
 (31) 16/854,723 (32) 21.04.20 (33) US  
 (43) 28.10.2021  
 (72) GRAMBIHLER, Kenneth F.; LANDES, James W.; NEWTON, Harry P.; TABOR, Joseph E.; VAN DE VEER, Brad R.; WULF, Stefan  
 (74) Patent Attorney Services
- 
- (71) Caterpillar Inc.  
 (11) AU-A-2021260566  
 (21) 2021260566 (22) 20.04.2021  
 (54) System and method for multi-phase optimization of haul truck dispatch  
 (51) Int. Cl.  
**G06Q 10/08** ( 2012.01 )
- B60P 1/00** ( 2006.01 )  
 (87) WO2021/216481  
 (31) 16/855,220 (32) 22.04.20 (33) US  
 (43) 28.10.2021  
 (72) BROCKHURST, Russell A.; GATES, Kevin E.  
 (74) Patent Attorney Services
- 
- (71) Caterpillar Inc.  
 (11) AU-A-2021261265  
 (21) 2021261265 (22) 20.04.2021  
 (54) Guard assembly  
 (51) Int. Cl.  
**B60P 1/28** ( 2006.01 )  
**B60R 21/00** ( 2006.01 )  
**B60R 21/11** ( 2006.01 )  
 (87) WO2021/216495  
 (31) 16/856,516 (32) 23.04.20 (33) US  
 (43) 28.10.2021  
 (72) ARUL, Samuel J. W.  
 (74) Patent Attorney Services
- 
- (71) CCTEG Coal Mining Research Institute; Tiandi Science & Technology Co.,Ltd  
 (11) AU-A-2021367388  
 (21) 2021367388 (22) 28.09.2021  
 (54) Bolt operation assembly  
 (51) Int. Cl.  
**E21D 20/00** ( 2006.01 )  
 (31) 202110481391.3 (32) 30.04.21 (33) CN  
 (43) 17.11.2022  
 (72) JIANG, Pengfei; KANG, Hongpu; WANG, Ziyue; LUO, Chao; LIU, Chang; WEI, Yaozhong; GUO, Jichang; CAO, Xiaoming; CHEN, Zhiliang; YANG, Jianwei  
 (74) Madderns Pty Ltd
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- (71) Cellular Biomedicine Group HK Limited  
 (11) AU-A-2021238330  
 (21) 2021238330 (22) 17.03.2021  
 (54) Combined chimeric antigen receptor targeting CD19 and CD20 and applications thereof  
 (51) Int. Cl.  
**A61K 35/17** ( 2015.01 )  
**A61K 39/395** ( 2006.01 )  
**A61K 47/64** ( 2017.01 )  
 (87) WO2021/188681  
 (31) 202010188038.1 (32) 17.03.20 (33) CN  
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 (43) 23.09.2021  
 (72) YAO, Yihong; HUANG, Jiaqi; YAO, Xin; ZHU, Shigui; LI, Yanfeng; WEI, Yutian  
 (74) PHILLIPS ORMONDE FITZPATRICK
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- (71) Ceres Tag Ltd  
 (11) AU-A-2021252431  
 (21) 2021252431 (22) 07.04.2021  
 (54) Animal collar assembly  
 (51) Int. Cl.  
**A01K 27/00** ( 2006.01 )  
**A01K 15/02** ( 2006.01 )  
**G01S 19/17** ( 2010.01 )
- G01S 19/42** ( 2010.01 )  
 (87) WO2021/203166  
 (31) 2020901133 (32) 07.04.20 (33) AU  
 (43) 14.10.2021  
 (72) SMITH, David Ian  
 (74) Michael Buck IP
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- (71) Chemocentryx, Inc.  
 (11) AU-A-2021248942  
 (21) 2021248942 (22) 31.03.2021  
 (54) Compositions and methods for treating inflammatory bowel disease using ccr9 inhibitor and anti-il-23 blocking antibodies  
 (51) Int. Cl.  
**A61K 31/18** ( 2006.01 )  
**A61K 31/4155** ( 2006.01 )  
**A61K 31/498** ( 2006.01 )  
**A61P 1/04** ( 2006.01 )  
**C07D 231/14** ( 2006.01 )  
**C07D 237/00** ( 2006.01 )  
 (87) WO2021/202731  
 (31) 63/002,747 (32) 31.03.20 (33) US  
 (43) 07.10.2021  
 (72) CAMPBELL, James; CHARO, Israel; SCHALL, Thomas; SINGH, Rajinder; ZENG, Yibin; ZHANG, Penglie  
 (74) Spruson & Ferguson
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- (71) Chengdu Baiyu Pharmaceutical Co., Ltd.  
 (11) AU-A-2021256235  
 (21) 2021256235 (22) 16.04.2021  
 (54) Imidazolinone derivative and use thereof in medicine  
 (51) Int. Cl.  
**C07D 473/02** ( 2006.01 )  
**A61K 31/522** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**A61P 43/00** ( 2006.01 )  
 (87) WO2021/209055  
 (31) 202010302603.2 (32) 17.04.20 (33) CN  
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 (43) 21.10.2021  
 (72) WEI, Yonggang; XU, Xuezheng; CHU, Hongzhu; HE, Lvixue; LEI, Feiquan; YAN, Jie; HE, Yang; WANG, Meimei; SU, Guizhuan; LIU, Bing; SUN, Yi  
 (74) PHILLIPS ORMONDE FITZPATRICK
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- (71) Chevron U.S.A. Inc.  
 (11) AU-A-2021261736  
 (21) 2021261736 (22) 20.04.2021  
 (54) High performance grease compositions with a renewable base oil  
 (51) Int. Cl.  
**C10M 169/02** ( 2006.01 )  
**C10N 20/00** ( 2006.01 )  
**C10N 20/02** ( 2006.01 )  
**C10N 30/00** ( 2006.01 )  
**C10N 30/06** ( 2006.01 )  
**C10N 30/10** ( 2006.01 )  
**C10N 40/02** ( 2006.01 )  
**C10N 50/10** ( 2006.01 )  
 (87) WO2021/214641  
 (31) 63/013,578 (32) 22.04.20 (33) US

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 (72) KUMAR, Anoop  
 (74) FPA Patent Attorneys Pty Ltd

(71) Chevron U.S.A. Inc.  
 (11) AU-A-2021263420  
 (21) 2021263420 (22) 29.04.2021  
 (54) Nested model simulations to generate subsurface representations  
 (51) Int. Cl.  
**G01V 1/28** ( 2006.01 )  
 (87) WO2021/222613  
 (31) 15/929,390 (32) 30.04.20 (33) US  
 (43) 04.11.2021  
 (72) HARRIS, Ashley D.; SUN, Tao; BAUMGARDNER, Sarah E.  
 (74) Davies Collison Cave Pty Ltd

(71) Children's Medical Center Corporation  
 (11) AU-A-2021257772  
 (21) 2021257772 (22) 12.04.2021  
 (54) Approximation device  
 (51) Int. Cl.  
**A61B 17/24** ( 2006.01 )  
**A61B 17/66** ( 2006.01 )  
 (87) WO2021/211433  
 (31) 63/009,401 (32) 13.04.20 (33) US  
 (43) 21.10.2021  
 (72) MACLAINE, James K.  
 (74) Davies Collison Cave Pty Ltd

(71) Children's Medical Center Corporation; TICEBA GmbH; RHEACELL GmbH & Co. KG  
 (11) AU-A-2021262864  
 (21) 2021262864 (22) 30.04.2021  
 (54) Antibodies specific to ABCB5 and uses thereof  
 (51) Int. Cl.  
**A61K 39/395** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )  
**C12N 15/85** ( 2006.01 )  
 (87) WO2021/222861  
 (31) 63/018,440 (32) 30.04.20 (33) US  
 (43) 04.11.2021  
 (72) FRANK, Markus H.; GANSS, Christoph; MAßLO, Christoph; KLUTH, Mark Andreas; RECKENBEIL, Jan  
 (74) RnB IP Pty Ltd

(71) Cipher Skin  
 (11) AU-A-2021242344  
 (21) 2021242344 (22) 26.03.2021  
 (54) System and method for facilitating dynamic biometric measurement  
 (51) Int. Cl.  
**A61B 5/1455** ( 2006.01 )  
 (87) WO2021/195564  
 (31) 63/000,859 (32) 27.03.20 (33) US  
 17/212,374 25.03.21 US  
 (43) 30.09.2021  
 (72) BOGDANOVICH, Phillip; HEATHERS, James; GOUIN, Timothy; GIOBERTO, Guido; BAHADU, Shaka; WELLER, Craig  
 (74) Spruson & Ferguson

(71) Cipher Skin  
 (11) AU-A-2021247153  
 (21) 2021247153 (22) 31.03.2021  
 (54) Objective range of motion monitoring  
 (51) Int. Cl.  
**A61B 5/00** ( 2006.01 )  
**A61B 5/0205** ( 2006.01 )  
**A61B 5/11** ( 2006.01 )  
**A63B 24/00** ( 2006.01 )  
 (87) WO2021/202710  
 (31) 63/003,705 (32) 01.04.20 (33) US  
 17/217,503 30.03.21 US  
 (43) 07.10.2021  
 (72) BOGDANOVICH, Phillip; GIOBERTO, Guido; BAHADU, Shaka; WELLER, Craig  
 (74) Spruson & Ferguson

(71) Cirrus Materials Science Limited  
 (11) AU-A-2021259056  
 (21) 2021259056 (22) 23.04.2021  
 (54) Method to apply colour coatings on alloys  
 (51) Int. Cl.  
**C25D 11/04** ( 2006.01 )  
**C25D 3/12** ( 2006.01 )  
**C25D 5/12** ( 2006.01 )  
**C25D 5/14** ( 2006.01 )  
**C25D 5/16** ( 2006.01 )  
**C25D 5/18** ( 2006.01 )  
**C25D 9/04** ( 2006.01 )  
**C25D 11/08** ( 2006.01 )  
**C25D 11/14** ( 2006.01 )  
**C25D 11/18** ( 2006.01 )  
**C25D 11/22** ( 2006.01 )  
**C25D 11/24** ( 2006.01 )  
**C25D 13/18** ( 2006.01 )  
**C25D 21/12** ( 2006.01 )  
 (87) WO2021/215939  
 (31) 63/015,421 (32) 24.04.20 (33) US  
 63/131,282 28.12.20 US  
 (43) 28.10.2021  
 (72) HOU, Fengyan; GOODE, Christopher William; MARDEN, Ian John  
 (74) Southern Cross Intellectual Property

(71) Cirrus Materials Science Limited  
 (11) AU-A-2021260429  
 (21) 2021260429 (22) 23.04.2021  
 (54) Method to create functional coatings on magnesium  
 (51) Int. Cl.  
**C25D 11/30** ( 2006.01 )  
**C25D 3/12** ( 2006.01 )  
**C25D 3/22** ( 2006.01 )  
**C25D 3/38** ( 2006.01 )  
**C25D 3/46** ( 2006.01 )  
**C25D 5/14** ( 2006.01 )  
**C25D 5/16** ( 2006.01 )  
**C25D 5/18** ( 2006.01 )  
**C25D 9/12** ( 2006.01 )  
**C25D 13/18** ( 2006.01 )  
 (87) WO2021/215940  
 (31) 63/015,411 (32) 24.04.20 (33) US  
 (43) 28.10.2021  
 (72) HOU, Fengyan; GOODE, Christopher William  
 (74) Southern Cross Intellectual Property

(71) CMR Surgical Limited  
 (11) AU-A-2021260139  
 (21) 2021260139 (22) 21.04.2021  
 (54) Powering a surgical robot arm  
 (51) Int. Cl.  
**A61B 34/30** ( 2016.01 )  
**A61B 90/50** ( 2016.01 )  
 (87) WO2021/214454  
 (31) 2006043.0 (32) 24.04.20 (33) GB  
 (43) 28.10.2021  
 (72) DEANE, Gordon Thomas  
 (74) FB Rice Pty Ltd

(71) CMR Surgical Limited  
 (11) AU-A-2021261630  
 (21) 2021261630 (22) 21.04.2021  
 (54) Powering a surgical robot arm  
 (51) Int. Cl.  
**A61B 34/30** ( 2016.01 )  
**A61B 90/00** ( 2016.01 )  
**A61B 90/50** ( 2016.01 )  
 (87) WO2021/214456  
 (31) 2006046.3 (32) 24.04.20 (33) GB  
 (43) 28.10.2021  
 (72) DEANE, Gordon Thomas  
 (74) FB Rice Pty Ltd

(71) CNH Industrial America LLC  
 (11) AU-A-2021258326  
 (21) 2021258326 (22) 26.04.2021  
 (54) System and method for controlling harvesting implement operation of an agricultural harvester when a harvesting operation ceases  
 (51) Int. Cl.  
**A01D 41/14** ( 2006.01 )  
**A01D 57/04** ( 2006.01 )  
 (87) WO2021/217112  
 (31) 63/014,901 (32) 24.04.20 (33) US  
 (43) 28.10.2021  
 (72) FARLEY, Herbert M.; COOK, Joel T.; HUNT, Cory Douglas  
 (74) Griffith Hack

(71) Colgate-Palmolive Company  
 (11) AU-A-2021262761  
 (21) 2021262761 (22) 27.04.2021  
 (54) Personal care compositions  
 (51) Int. Cl.  
**A61K 8/44** ( 2006.01 )  
**A61K 8/39** ( 2006.01 )  
**A61K 8/46** ( 2006.01 )  
**A61K 8/73** ( 2006.01 )  
**A61Q 5/02** ( 2006.01 )  
**A61Q 5/12** ( 2006.01 )  
 (87) WO2021/222270  
 (31) 63/018,742 (32) 01.05.20 (33) US  
 (43) 04.11.2021  
 (72) AGBLEY, Esinam Kuma; ZUNIGA, Arturo  
 (74) Spruson & Ferguson

(71) CommScope Technologies LLC  
 (11) AU-A-2021242222  
 (21) 2021242222 (22) 18.03.2021



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- (54) Radiating elements having angled feed stalks and base station antennas including same
- (51) Int. Cl.  
**H01Q 21/06** ( 2006.01 )  
**H01Q 1/12** ( 2006.01 )  
**H01Q 21/28** ( 2006.01 )
- (87) WO2021/194832
- (31) 62/993,925 (32) 24.03.20 (33) US  
 63/087,451 05.10.20 US
- (43) 30.09.2021
- (72) LI, Haifeng; BISIULES, Peter J.; HOU, Xiaohua
- (74) Davies Collison Cave Pty Ltd
- 
- (71) CommScope Technologies LLC
- (11) AU-A-2021244357
- (21) 2021244357 (22) 23.03.2021
- (54) Base station antennas having an active antenna module and related devices and methods
- (51) Int. Cl.  
**H01Q 3/04** ( 2006.01 )  
**H01Q 19/10** ( 2006.01 )  
**H04L 5/00** ( 2006.01 )
- (87) WO2021/195040
- (31) 62/993,925 (32) 24.03.20 (33) US  
 63/075,344 08.09.20 US  
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- (43) 30.09.2021
- (72) HOU, Xiaohua; XU, Yongjie; LI, Xi-ang; BISIULES, Peter J.; MERTA, Samantha; LI, Haifeng; VARNOOSFADER-ANI, Mohammad Vatankhah; WU, Bo; TIAN, Xiaohua; YU, Junfeng; WANG, Dongmin; ZHANG, Shanguang; LIU, Jian
- (74) Davies Collison Cave Pty Ltd
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- (71) Consejo Superior de Investigaciones Científicas; Fundación Uno Entre Cien Mil
- (11) AU-A-2021257071
- (21) 2021257071 (22) 16.04.2021
- (54) Therapeutic treatment for T-cell acute lymphoblastic leukemias using a monoclonal antibody against the pre-T cell receptor
- (51) Int. Cl.  
**A61K 39/395** ( 2006.01 )  
**A61P 35/02** ( 2006.01 )  
**C07K 14/725** ( 2006.01 )  
**C07K 16/30** ( 2006.01 )
- (87) WO2021/209670
- (31) P202030309 (32) 17.04.20 (33) ES  
 (43) 21.10.2021
- (72) TORIBIO GARCÍA, María Luisa; ALARCÓN SÁNCHEZ, Balbino; ALCAIN SÁNCHEZ, Juan; BAYÓN CALDERÓN, Fátima; FUENTES VILLAREJO, Patricia; GARCÍA PEYDRÓ, Marina; GONZÁLEZ GARCÍA, Sara; MURCIA CEBALLOS, Alba
- (74) Wallington-Dummer
- 
- (71) CooperVision International Limited
- (11) AU-A-2021404126
- (21) 2021404126 (22) 09.12.2021
- (54) Oleic acid-releasing contact lens
- (51) Int. Cl.  
**G02B 1/04** ( 2006.01 )
- (87) WO2022/129870
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 (51) Int. Cl.  
 A61K 9/00 ( 2006.01 )  
 A61K 8/02 ( 2006.01 )  
 A61K 8/27 ( 2006.01 )  
 A61K 8/34 ( 2006.01 )  
 A61K 8/37 ( 2006.01 )  
 A61K 8/49 ( 2006.01 )  
 A61K 8/92 ( 2006.01 )  
 A61K 9/14 ( 2006.01 )  
 A61K 9/68 ( 2006.01 )  
 A61K 31/09 ( 2006.01 )  
 A61K 31/135 ( 2006.01 )  
 A61K 31/137 ( 2006.01 )  
 A61K 31/167 ( 2006.01 )  
 A61K 31/192 ( 2006.01 )  
 A61K 31/485 ( 2006.01 )  
 A61K 47/26 ( 2006.01 )  
 A61Q 11/00 ( 2006.01 )  
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(21) 2021268062 (22) 30.04.2021  
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(51) Int. Cl.  
A61K 9/00 ( 2006.01 )  
A61K 9/14 ( 2006.01 )  
A61K 9/68 ( 2006.01 )  
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(72) WITTORFF, Helle; PEDERSEN, Christine  
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(21) 2021268903 (22) 30.04.2021  
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(51) Int. Cl.  
A61K 9/00 ( 2006.01 )  
A61K 9/14 ( 2006.01 )  
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A61K 36/00 ( 2006.01 )  
A61K 47/02 ( 2006.01 )  
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A61P 1/00 ( 2006.01 )  
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(72) WITTORFF, Helle; PEDERSEN, Christine Nøhr  
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(21) 2021278984 (22) 28.05.2021  
(54) Trem compositions and methods relating thereto  
(51) Int. Cl.  
C12N 15/67 ( 2006.01 )  
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(51) Int. Cl.  
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(51) Int. Cl.  
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A61B 5/20 ( 2006.01 )  
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(51) Int. Cl.  
A61M 1/16 ( 2006.01 )  
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(51) Int. Cl.  
H02J 3/38 ( 2006.01 )  
H01H 3/52 ( 2006.01 )  
H02J 3/32 ( 2006.01 )  
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(51) Int. Cl.  
C07D 209/82 ( 2006.01 )  
A61K 31/35 ( 2006.01 )  
A61P 29/00 ( 2006.01 )  
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(51) Int. Cl.  
C12Q 1/6886 ( 2018.01 )  
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(74) Adrian M Trioli Patent and Trade Mark Attorney
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(51) Int. Cl.  
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C12N 5/071 ( 2010.01 )  
C12Q 1/6869 ( 2018.01 )  
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(51) Int. Cl.

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**A61P 35/02** ( 2006.01 )  
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**(72)** HIRATA, Jamie Harue; MUSICK, Lisa  
**(74)** Griffith Hack
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**(21)** 2021272100                      **(22)** 10.05.2021  
**(54)** Treatment of breast cancer using combination therapies comprising GDC-9545 and a CDK4/6 inhibitor  
**(51)** Int. Cl.  
**A61K 31/519** ( 2006.01 )  
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**A61P 35/00** ( 2006.01 )  
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**(51)** Int. Cl.  
**G16B 15/30** ( 2019.01 )  
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**G16H 50/20** ( 2018.01 )  
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**(51)** Int. Cl.  
**A23B 5/005** ( 2006.01 )  
**A23L 15/00** ( 2016.01 )  
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**(54)** Non-viral DNA vectors and uses thereof for expressing Gaucher therapeutics  
**(51)** Int. Cl.  
**C12N 15/85** ( 2006.01 )  
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**(54)** System and method for personalization as a service  
**(51)** Int. Cl.  
**G06Q 30/00** ( 2012.01 )  
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**(21)** 2021248411                      **(22)** 02.04.2021  
**(54)** Ground anchoring apparatus and method  
**(51)** Int. Cl.  
**E02D 5/74** ( 2006.01 )  
**E02D 5/80** ( 2006.01 )  
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**(74)** FPA Patent Attorneys Pty Ltd
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**(21)** 2021237718                      **(22)** 19.03.2021  
**(54)** Prodrugs of 4'-C-substituted-2-halo-2'-deoxyadenosine nucleosides and methods of making and using the same  
**(51)** Int. Cl.  
**C07H 19/16** ( 2006.01 )  
**A61P 31/18** ( 2006.01 )  
**C07H 19/173** ( 2006.01 )  
**C07H 19/20** ( 2006.01 )  
**C07H 19/207** ( 2006.01 )  
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**(54)** Inhalation formulations of 1'-cyano substituted carbanucleoside analogs  
**(51)** Int. Cl.  
**A61P 31/12** ( 2006.01 )  
**A61K 9/00** ( 2006.01 )  
**A61K 9/08** ( 2006.01 )  
**A61K 9/10** ( 2006.01 )  
**A61K 9/19** ( 2006.01 )  
**A61P 31/14** ( 2006.01 )  
**A61P 31/16** ( 2006.01 )  
**A61P 31/18** ( 2006.01 )  
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**(31)** 63/005,724                      **(32)** 06.04.20 **(33)** US  
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**(51)** Int. Cl.  
**C07D 487/04** ( 2006.01 )  
**A61K 31/513** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
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**(74)** FPA Patent Attorneys Pty Ltd
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**(54)** Sulphide oxidation in leaching of minerals  
**(51)** Int. Cl.  
**C22B 11/00** ( 2006.01 )  
**C22B 3/20** ( 2006.01 )  
**C22B 15/00** ( 2006.01 )  
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**(72)** VOIGT, Paul  
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**(54)** Sulphide oxidation in leaching of minerals

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**C22B 3/06** ( 2006.01 )  
**C22B 3/12** ( 2006.01 )  
**C22B 3/24** ( 2006.01 )  
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(54) Light-scattering fine dust measurement apparatus
- (51) Int. Cl.  
**G01N 15/02** ( 2006.01 )  
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**G01N 1/40** ( 2006.01 )  
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- (51) Int. Cl.  
**C10B 5/00** ( 2006.01 )  
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**B08B 9/043** ( 2006.01 )  
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**C10B 7/12** ( 2006.01 )  
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- (51) Int. Cl.  
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**C02F 11/10** ( 2006.01 )
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**H01M 50/249** ( 2021.01 )  
**B60L 53/80** ( 2019.01 )  
**B64D 27/24** ( 2006.01 )
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**C12N 5/074** ( 2010.01 )  
**A61K 35/28** ( 2015.01 )  
**A61P 37/02** ( 2006.01 )  
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(54) Multi-stage cementing tool
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**E02D 7/20** ( 2006.01 )  
**E02D 9/02** ( 2006.01 )  
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(54) A floating solar power plant
- (51) Int. Cl.  
**H02S 20/00** ( 2014.01 )  
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(43) 23.09.2021  
(72) HELSET, Bjørn  
(74) FB Rice Pty Ltd
- 
- (71) Heptares Therapeutics Limited  
(11) AU-A-2021260142  
(21) 2021260142 (22) 22.04.2021  
(54) H4 antagonist compounds
- (51) Int. Cl.  
**C07D 403/14** ( 2006.01 )  
**A61K 31/506** ( 2006.01 )  
**A61P 1/04** ( 2006.01 )

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

**A61P 11/06** ( 2006.01 )  
**A61P 17/00** ( 2006.01 )  
**A61P 17/04** ( 2006.01 )  
**A61P 29/00** ( 2006.01 )  
**(87)** WO2021/214469  
**(31)** 2005858.2 **(32)** 22.04.20 **(33)** GB  
**(43)** 28.10.2021  
**(72)** CONGREVE, Miles Stuart; FIELD-  
HOUSE, Charlotte; SWAIN, Nigel Alan;  
PICKWORTH, Mark; HANNAH, Duncan  
Robert  
**(74)** Madderns Pty Ltd

**(71)** Herring, R.  
**(11)** AU-A-2021238505  
**(21)** 2021238505 **(22)** 15.03.2021  
**(54)** Personal protection equipment for pro-  
tecting a user from airborne pathogens  
**(51)** Int. Cl.  
**A41D 13/11** ( 2006.01 )  
**A61L 9/16** ( 2006.01 )  
**A62B 7/10** ( 2006.01 )  
**A62B 23/00** ( 2006.01 )  
**(87)** WO2021/184111  
**(31)** 3076157 **(32)** 16.03.20 **(33)** CA  
3080340 05.05.20 CA  
3101797 07.12.20 CA  
**(43)** 23.09.2021  
**(72)** HERRING, Rodney  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Hitachi, Ltd.  
**(11)** AU-A-2021258634  
**(21)** 2021258634 **(22)** 31.03.2021  
**(54)** Train speed control system and train  
speed control method  
**(51)** Int. Cl.  
**B61L 23/14** ( 2006.01 )  
**B60L 3/08** ( 2006.01 )  
**(87)** WO2021/215212  
**(31)** 2020-074837 **(32)** 20.04.20 **(33)** JP  
**(43)** 28.10.2021  
**(72)** AKIYAMA, Tomohiro; KAMEYAMA,  
Ryota  
**(74)** Davies Collison Cave Pty Ltd

**(71)** H N K Pty Limited  
**(11)** AU-A-2021238895  
**(21)** 2021238895 **(22)** 16.03.2021  
**(54)** Building element  
**(51)** Int. Cl.  
**E04C 3/04** ( 2006.01 )  
**E02D 27/01** ( 2006.01 )  
**E04C 3/07** ( 2006.01 )  
**E04C 3/293** ( 2006.01 )  
**E04C 5/065** ( 2006.01 )  
**E04G 11/52** ( 2006.01 )  
**(87)** WO2021/184063  
**(31)** 2020900802 **(32)** 16.03.20 **(33)** AU  
2020902875 13.08.20 AU  
**(43)** 23.09.2021  
**(72)** GARCIA, Hugo Gustavo  
**(74)** Spruson & Ferguson

**(71)** Hollister Incorporated  
**(11)** AU-A-2021263931  
**(21)** 2021263931 **(22)** 29.04.2021

**(54)** Medical device products including draw  
elements  
**(51)** Int. Cl.  
**A61M 25/00** ( 2006.01 )  
**(87)** WO2021/222632  
**(31)** 63/018,668 **(32)** 01.05.20 **(33)** US  
**(43)** 04.11.2021  
**(72)** FARRELL, David J.  
**(74)** Spruson & Ferguson

**(71)** Hua Medicine (Shanghai) Ltd.  
**(11)** AU-A-2020443475  
**(21)** 2020443475 **(22)** 22.04.2020  
**(54)** Treating untreated or treatment-resist-  
ant diabetes with glucokinase activator  
and sodium-glucose cotransporter-2 in-  
hibitor  
**(51)** Int. Cl.  
**A61K 45/06** ( 2006.01 )  
**A61K 9/36** ( 2006.01 )  
**A61K 31/351** ( 2006.01 )  
**A61K 31/381** ( 2006.01 )  
**A61K 31/382** ( 2006.01 )  
**A61K 31/4155** ( 2006.01 )  
**A61K 31/7048** ( 2006.01 )  
**A61K 47/38** ( 2006.01 )  
**A61P 3/10** ( 2006.01 )  
**(87)** WO2021/212360  
**(43)** 28.10.2021  
**(72)** CHEN, Li; REN, Shuang; ZHANG, Jiayi  
**(74)** FB Rice Pty Ltd

**(71)** Huawei Technologies Co., Ltd.  
**(11)** AU-A-2021247219  
**(21)** 2021247219 **(22)** 22.02.2021  
**(54)** Terminal parameter updating protection  
method and communication device  
**(51)** Int. Cl.  
**H04W 48/18** ( 2009.01 )  
**(87)** WO2021/196913  
**(31)** 202010247619.8 **(32)** 31.03.20 **(33)** CN  
202010292085.0 14.04.20 CN  
**(43)** 07.10.2021  
**(72)** LI, Fei  
**(74)** PHILLIPS ORMONDE FITZPATRICK

**(71)** Huawei Technologies Co., Ltd.  
**(11)** AU-A-2021247720  
**(21)** 2021247720 **(22)** 24.03.2021  
**(54)** Communication method and device  
**(51)** Int. Cl.  
**H04W 80/10** ( 2009.01 )  
**H04L 47/10** ( 2022.01 )  
**H04L 61/00** ( 2022.01 )  
**(87)** WO2021/197155  
**(31)** 202010246312.6 **(32)** 31.03.20 **(33)** CN  
202011148899.3 23.10.20 CN  
**(43)** 07.10.2021  
**(72)** ZONG, Zaifeng; ZHU, Fenqin  
**(74)** PHILLIPS ORMONDE FITZPATRICK

**(71)** Huawei Technologies Co., Ltd.  
**(11)** AU-A-2021255553  
**(21)** 2021255553 **(22)** 15.04.2021  
**(54)** Folding apparatus and electronic device  
**(51)** Int. Cl.  
**H04M 1/02** ( 2006.01 )

**(87)** WO2021/209001  
**(31)** 202010296050.4 **(32)** 15.04.20 **(33)** CN  
**(43)** 21.10.2021  
**(72)** NIU, Linhui; MA, Chunjun; XU, Zhengyi;  
LIU, Ting; LI, Yunyong; WANG,  
Gangchao  
**(74)** Spruson & Ferguson

**(71)** Huawei Technologies Co., Ltd.  
**(11)** AU-A-2021256599  
**(21)** 2021256599 **(22)** 26.01.2021  
**(54)** Communication method and apparatus  
**(51)** Int. Cl.  
**H04W 28/08** ( 2009.01 )  
**(87)** WO2021/208561  
**(31)** 202010284850.4 **(32)** 13.04.20 **(33)** CN  
**(43)** 21.10.2021  
**(72)** YU, Youyang; SHI, Shufeng  
**(74)** PHILLIPS ORMONDE FITZPATRICK

**(71)** Huawei Technologies Co., Ltd.  
**(11)** AU-A-2021266008  
**(21)** 2021266008 **(22)** 30.04.2021  
**(54)** Method and device for uplink power  
control  
**(51)** Int. Cl.  
**H04W 52/14** ( 2009.01 )  
**H04W 52/04** ( 2009.01 )  
**(87)** WO2021/219125  
**(31)** 202010365865.3 **(32)** 30.04.20 **(33)** CN  
**(43)** 04.11.2021  
**(72)** HU, Dan; GUAN, Lei  
**(74)** PHILLIPS ORMONDE FITZPATRICK

**(71)** Huddly Inc.  
**(11)** AU-A-2021319365  
**(21)** 2021319365 **(22)** 13.07.2021  
**(54)** USB/Thunderbolt to Ethernet Adapter  
with Dynamic Multiplex Power Supply  
**(51)** Int. Cl.  
**H04L 12/10** ( 2006.01 )  
**(31)** 17/246,527 **(32)** 30.04.21 **(33)** US  
**(43)** 17.11.2022  
**(72)** Alstad, Håvard; Dahlback, Jørgen; Al-  
meida, Tomás Alexandre Saltão  
**(74)** RnB IP Pty Ltd

**(71)** Hutchison Medipharma Limited  
**(11)** AU-A-2021247733  
**(21)** 2021247733 **(22)** 29.03.2021  
**(54)** Amide compounds and uses thereof  
**(51)** Int. Cl.  
**C07D 401/14** ( 2006.01 )  
**A61K 31/4412** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07D 401/12** ( 2006.01 )  
**(87)** WO2021/197276  
**(31)** 202010235798.3 **(32)** 30.03.20 **(33)** CN  
**(43)** 07.10.2021  
**(72)** SU, Wei-Guo; ZHANG, Weihang; YANG,  
Haibin  
**(74)** WRAYS PTY LTD

**(71)** Hutchison MediPharma Limited  
**(11)** AU-A-2021251989  
**(21)** 2021251989 **(22)** 11.04.2021



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

- (54) Anti-CD47 antibody and uses thereof  
 (51) Int. Cl.  
**C07K 16/28** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07K 16/46** ( 2006.01 )  
**C12N 15/13** ( 2006.01 )
- (87) WO2021/204281  
 (31) 202010282924.0 (32) 10.04.20 (33) CN  
 (43) 14.10.2021  
 (72) CAI, Yu; YANG, Yizhen; LI, Xiong;  
 YANG, Xianwen; REN, Yongxin; SU,  
 Wei-Guo  
 (74) WRAYS PTY LTD
- 
- (71) Hutchison MediPharma Limited  
 (11) AU-A-2021256226  
 (21) 2021256226 (22) 16.04.2021  
 (54) Anti-OX40 antibody and uses thereof  
 (51) Int. Cl.  
**C07K 16/28** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C12N 15/13** ( 2006.01 )  
**G01N 33/574** ( 2006.01 )
- (87) WO2021/209019  
 (31) 202010304381.8 (32) 17.04.20 (33) CN  
 (43) 21.10.2021  
 (72) YANG, Yizhen; CAI, Yu; LI, Xiong;  
 ZHOU, Lei; QING, Weiguo; SU, Wei-  
 Guo  
 (74) James & Wells Intellectual Property
- 
- (71) Hutchison MediPharma Limited  
 (11) AU-A-2021256799  
 (21) 2021256799 (22) 16.04.2021  
 (54) Anti-OX40 antibody and uses thereof  
 (51) Int. Cl.  
**C07K 16/28** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07K 16/30** ( 2006.01 )  
**C12N 15/13** ( 2006.01 )
- (87) WO2021/209020  
 (31) 202010304381.8 (32) 17.04.20 (33) CN  
 (43) 21.10.2021  
 (72) YANG, Yizhen; CAI, Yu; LI, Xiong;  
 ZHOU, Lei; QING, Weiguo; SU, Wei-  
 Guo  
 (74) James & Wells Intellectual Property
- 
- (71) Hydro Dynamics, Inc.  
 (11) AU-A-2021264520  
 (21) 2021264520 (22) 28.04.2021  
 (54) System and method for treatment of  
 plants for synthesis of compounds  
 therefrom  
 (51) Int. Cl.  
**A01H 1/06** ( 2006.01 )  
**A01H 6/28** ( 2018.01 )
- (87) WO2021/222380  
 (31) 63/017,774 (32) 30.04.20 (33) US  
 17/242,503 28.04.21 US  
 (43) 04.11.2021  
 (72) MANCOSKY, Douglas; MACKAY, John  
 (74) PHILLIPS ORMONDE FITZPATRICK
- 
- (71) Icahn School of Medicine at Mount  
 Sinai; Monogram Orthopaedics Inc.  
 (11) AU-A-2021239854  
 (21) 2021239854 (22) 16.03.2021  
 (54) Registration and/or tracking of a  
 patient's bone employing a patient spe-  
 cific bone jig  
 (51) Int. Cl.  
**A61F 2/00** ( 2006.01 )
- (87) WO2021/188512  
 (31) 62/990,827 (32) 17.03.20 (33) US  
 (43) 23.09.2021  
 (72) UNIS, Douglas B.; SEXSON, Benjamin;  
 PATIL, Hrisheekesh  
 (74) PHILLIPS ORMONDE FITZPATRICK
- 
- (71) icometrix NV; Katholieke Universiteit  
 Leuven  
 (11) AU-A-2021270979  
 (21) 2021270979 (22) 11.05.2021  
 (54) Computer-implemented method, sys-  
 tem and computer program product for  
 determining a vascular function of a  
 perfusion imaging sequence  
 (51) Int. Cl.  
**G06T 7/00** ( 2017.01 )
- (87) WO2021/228906  
 (31) 20174533.8 (32) 13.05.20 (33) EP  
 (43) 18.11.2021  
 (72) DE LA ROSA, Ezequiel; ROBBEN,  
 David  
 (74) Spruson & Ferguson
- 
- (71) Inari Agriculture Technology, Inc.  
 (11) AU-A-2021261379  
 (21) 2021261379 (22) 22.04.2021  
 (54) Methods and systems for using enviro-  
 ntype in genomic selection  
 (51) Int. Cl.  
**A01H 1/02** ( 2006.01 )
- (87) WO2021/216878  
 (31) 63/014,641 (32) 23.04.20 (33) US  
 (43) 28.10.2021  
 (72) FARICELLI, Maria Elena; CHEN, Keru  
 (74) Spruson & Ferguson
- 
- (71) InEnTec Inc.  
 (11) AU-A-2021241707  
 (21) 2021241707 (22) 26.03.2021  
 (54) Hydrogen production and carbon se-  
 questration via cracking of hydrocar-  
 bons in a heated and fluidized bed  
 (51) Int. Cl.  
**C01B 3/26** ( 2006.01 )  
**C01B 3/34** ( 2006.01 )  
**C01B 3/40** ( 2006.01 )  
**C01B 32/15** ( 2017.01 )
- (87) WO2021/195566  
 (31) 63/000,913 (32) 27.03.20 (33) US  
 (43) 30.09.2021  
 (72) SURMA, Jeffrey E.; COHN, Daniel R.;  
 BROMBERG, Leslie  
 (74) Davies Collison Cave Pty Ltd
- 
- (71) Inflammatrix, Inc.  
 (11) AU-A-2021264555  
 (21) 2021264555 (22) 29.04.2021  
 (54) Determining mortality risk of subjects  
 with viral infections  
 (51) Int. Cl.  
**C12Q 1/6883** ( 2018.01 )  
**G16B 25/00** ( 2019.01 )
- (87) WO2021/222537  
 (31) 63/017,570 (32) 29.04.20 (33) US  
 (43) 04.11.2021  
 (72) SWEENEY, Timothy; BUTUROVIC,  
 Ljubomir; MIDIC, Uros; HE, Yudong  
 (74) PIPERS
- 
- (71) Innovative Blasting Technologies Pty  
 Ltd  
 (11) AU-A-2021258900  
 (21) 2021258900 (22) 20.04.2021

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

- (54) Bulkhead for facilitating backfilling of a stope upon mining thereof  
 (51) Int. Cl.  
*E21C 41/16* ( 2006.01 )  
*E02D 5/18* ( 2006.01 )  
*E02D 29/02* ( 2006.01 )  
*E21D 11/10* ( 2006.01 )  
*E21D 11/36* ( 2006.01 )  
*E21F 15/04* ( 2006.01 )  
 (87) WO2021/212170  
 (31) 2020901251 (32) 20.04.20 (33) AU  
 (43) 28.10.2021  
 (72) KINGSLEY, Jollan  
 (74) LEGALVISION ILP PTY. LTD.
- 
- (71) Institut Francais De Recherche Pour L'exploitation De La Mer (IFREMER)  
 (11) AU-A-2021271134  
 (21) 2021271134 (22) 14.05.2021  
 (54) Composition for the treatment and/or prevention of marine mollusc viral infection  
 (51) Int. Cl.  
*A61K 39/12* ( 2006.01 )  
 (87) WO2021/229086  
 (31) 20174523.9 (32) 13.05.20 (33) EP  
 (43) 18.11.2021  
 (72) MORGA, Benjamin; MONTAGNANI, Caroline; RENAULT, Tristan; FAURY, Nicole; PEPIN, Jean-François; DEGREMONT, Lionel; MEGE, Mickaël  
 (74) Spruson & Ferguson
- 
- (71) Intellia Therapeutics, Inc.  
 (11) AU-A-2021236683  
 (21) 2021236683 (22) 18.03.2021  
 (54) Methods and compositions for directed genome editing  
 (51) Int. Cl.  
*C12N 9/12* ( 2006.01 )  
*C12N 9/22* ( 2006.01 )  
 (87) WO2021/188840  
 (31) 62/992,032 (32) 19.03.20 (33) US  
 63/055,829 23.07.20 US  
 63/153,161 24.02.21 US  
 (43) 23.09.2021  
 (72) HALPERIN, Schaked Omer  
 (74) Davies Collison Cave Pty Ltd
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- (71) International Business Machines Corporation  
 (11) AU-A-2021268917  
 (21) 2021268917 (22) 15.04.2021  
 (54) Quantum computing machine learning for security threats  
 (51) Int. Cl.  
*H04L 9/08* ( 2006.01 )  
*G06F 21/57* ( 2013.01 )  
*G06N 20/00* ( 2019.01 )  
 (87) WO2021/223974  
 (31) 16/867,586 (32) 06.05.20 (33) US  
 (43) 11.11.2021  
 (72) RYVER, Kelly Nicole  
 (74) Spruson & Ferguson
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- (71) International Business Machines Corporation  
 (11) AU-A-2021293965  
 (21) 2021293965 (22) 20.05.2021  
 (54) Preventing unauthorized package deployment in clusters  
 (51) Int. Cl.  
*G06F 9/52* ( 2006.01 )  
 (87) WO2021/255547  
 (31) 63/040,158 (32) 17.06.20 (33) US  
 16/906,451 19.06.20 US  
 (43) 23.12.2021  
 (72) GAJANANAN, Kugamoorthy; KITAHARA, Hirokuni; WATANABE, Yuji; KUDO, Ruriko  
 (74) Spruson & Ferguson
- 
- (71) International Business Machines Corporation  
 (11) AU-A-2021294837  
 (21) 2021294837 (22) 05.05.2021  
 (54) Write sort management in data storage system  
 (51) Int. Cl.  
*G06F 11/14* ( 2006.01 )  
 (87) WO2021/229368  
 (31) 16/875,719 (32) 15.05.20 (33) US  
 (43) 18.11.2021  
 (72) HATFIELD, Brian; GUPTA, Lokesh Mohan; BORLICK, Matthew  
 (74) Spruson & Ferguson
- 
- (71) International Business Machines Corporation  
 (11) AU-A-2021270892  
 (21) 2021270892 (22) 11.05.2021  
 (54) Protecting computer assets from malicious attacks  
 (51) Int. Cl.  
*H04L 9/40* ( 2022.01 )  
*G06N 3/08* ( 2006.01 )  
 (87) WO2021/229428  
 (31) 16/875,340 (32) 15.05.20 (33) US  
 (43) 18.11.2021  
 (72) PAQUIN, Adam; DUNCAN, Peyton; SHEN, Kevin; BEES, Johathan; TUMMALAPENTA, Srinivas Babu  
 (74) Spruson & Ferguson
- 
- (71) International Business Machines Corporation  
 (11) AU-A-2021291671  
 (21) 2021291671 (22) 04.06.2021  
 (54) Drift regularization to counteract variation in drift coefficients for analog accelerators  
 (51) Int. Cl.  
*G06N 3/10* ( 2006.01 )  
 (87) WO2021/255569  
 (31) 16/905,241 (32) 18.06.20 (33) US  
 (43) 23.12.2021  
 (72) TSAI, HsinYu; KARIYAPPA, Sanjay  
 (74) Spruson & Ferguson
- 
- (71) International Business Machines Corporation  
 (11) AU-A-2021293965  
 (21) 2021293965 (22) 20.05.2021  
 (54) Preventing unauthorized package deployment in clusters  
 (51) Int. Cl.  
*G06F 9/52* ( 2006.01 )  
 (87) WO2021/255547  
 (31) 63/040,158 (32) 17.06.20 (33) US  
 16/906,451 19.06.20 US  
 (43) 23.12.2021  
 (72) GAJANANAN, Kugamoorthy; KITAHARA, Hirokuni; WATANABE, Yuji; KUDO, Ruriko  
 (74) Spruson & Ferguson
- 
- (71) Intuit Inc.  
 (11) AU-A-2022203637  
 (21) 2022203637 (22) 24.03.2022  
 (54) Methods and systems for generating mobile enabled extraction models  
 (51) Int. Cl.  
*G06F 16/20* ( 2019.01 )  
 (31) 17/246,277 (32) 30.04.21 (33) US  
 (43) 17.11.2022  
 (72) ROSSI, Dominic Miguel; LEE, Hui Fang; RIMCHALA, Tharathorn  
 (74) Davies Collison Cave Pty Ltd
- 
- (71) Intuit Inc.  
 (11) AU-A-2022203637  
 (21) 2022203637 (22) 24.03.2022

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

- (54) Machine learning pipeline for document image quality detection and correction  
 (51) Int. Cl.  
**G06V 10/70** ( 2022.01 )  
 (31) 17/243,527 (32) 28.04.21 (33) US  
 (43) 17.11.2022  
 (72) JONNALAGEDDA, Saisri Padmaja; XIAO, Xiao  
 (74) Davies Collison Cave Pty Ltd
- 
- (71) Inventio AG  
 (11) AU-A-2021258387  
 (21) 2021258387 (22) 16.04.2021  
 (54) Interface for operating an elevator car, elevator car and method of producing an elevator car  
 (51) Int. Cl.  
**B66B 1/46** ( 2006.01 )  
**B66B 1/50** ( 2006.01 )  
**H01H 13/702** ( 2006.01 )  
 (87) WO2021/213921  
 (31) 20170358.4 (32) 20.04.20 (33) EP  
 (43) 28.10.2021  
 (72) VILLA, Valerio  
 (74) Griffith Hack
- 
- (71) Inventio AG  
 (11) AU-A-2021260096  
 (21) 2021260096 (22) 22.04.2021  
 (54) Elevator operating device having two call input devices disposed separate from each other with respect to passengers  
 (51) Int. Cl.  
**B66B 1/46** ( 2006.01 )  
 (87) WO2021/214189  
 (31) 20171084.5 (32) 23.04.20 (33) EP  
 (43) 28.10.2021  
 (72) WALTHER, Jacqueline  
 (74) Griffith Hack
- 
- (71) Inzitari, F.  
 (11) AU-A-2022243917  
 (21) 2022243917 (22) 17.03.2022  
 (54) A downpipe valve control system  
 (51) Int. Cl.  
**E04D 13/08** ( 2006.01 )  
 (87) WO2022/198262  
 (31) 2021900865 (32) 24.03.21 (33) AU  
 (43) 29.09.2022  
 (72) INZITARI, Frank  
 (74) Patentec Patent Attorneys
- 
- (71) Iogen Corporation  
 (11) AU-A-2021274312  
 (21) 2021274312 (22) 23.04.2021  
 (54) Converting lignocellulosic feedstock to fuel  
 (51) Int. Cl.  
**C12P 7/10** ( 2006.01 )  
**C08H 8/00** ( 2010.01 )  
**C10L 1/02** ( 2006.01 )  
**C12P 5/02** ( 2006.01 )  
**C12P 7/16** ( 2006.01 )  
**C12P 19/02** ( 2006.01 )  
**C12P 19/14** ( 2006.01 )  
 (87) WO2021/232143
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- (31) 63/028,888 (32) 22.05.20 (33) US  
 (43) 25.11.2021  
 (72) FOODY, Brian; TOLAN, Jeffrey S.; MARTENS, Kristin  
 (74) Patentec Patent Attorneys
- 
- (71) iOmx Therapeutics AG  
 (11) AU-A-2021258431  
 (21) 2021258431 (22) 21.04.2021  
 (54) Halogenated-heteroaryl and other heterocyclic kinase inhibitors, and uses thereof  
 (51) Int. Cl.  
**C07D 417/14** ( 2006.01 )  
**A61K 31/506** ( 2006.01 )  
**C07D 333/46** ( 2006.01 )  
**G01N 33/68** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
 (87) WO2021/214117  
 (31) 20170641.3 (32) 21.04.20 (33) EP  
 (43) 28.10.2021  
 (72) SENNHENN, Peter; BISSINGER, Stefan; LOFERER, Hannes; BANCROFT, David; MICHELS, Tillmann; KHANDELWAL, Nisit  
 (74) FPA Patent Attorneys Pty Ltd
- 
- (71) JAMF Software, LLC  
 (11) AU-A-2021272134  
 (21) 2021272134 (22) 04.05.2021  
 (54) Video conferencing configuration for healthcare patient device  
 (51) Int. Cl.  
**G06F 21/45** ( 2013.01 )  
**H04W 12/06** ( 2021.01 )  
 (87) WO2021/231135  
 (31) 16/875,449 (32) 15.05.20 (33) US  
 (43) 18.11.2021  
 (72) YURESKO, Jonathan William; MAHMUD, Adam Ihsan; KNOX, Timothy Carleton; RAABE, David Benjamin  
 (74) Spruson & Ferguson
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- (71) Jefferies, W.; Singh, C.  
 (11) AU-A-2021249050  
 (21) 2021249050 (22) 29.03.2021  
 (54) Methods for treating alzheimer's disease  
 (51) Int. Cl.  
**A61K 39/395** ( 2006.01 )  
**A61K 31/05** ( 2006.01 )  
**A61K 31/352** ( 2006.01 )  
**A61K 31/404** ( 2006.01 )  
**A61K 31/4439** ( 2006.01 )  
**A61K 36/00** ( 2006.01 )  
**A61P 25/28** ( 2006.01 )  
**C07C 39/215** ( 2006.01 )  
**C07D 311/28** ( 2006.01 )  
**C07D 401/06** ( 2006.01 )  
**C07D 403/06** ( 2006.01 )  
**C07K 16/22** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )  
**G01N 33/48** ( 2006.01 )  
 (87) WO2021/195750  
 (31) 63/002,449 (32) 31.03.20 (33) US  
 (43) 07.10.2021  
 (72) JEFFERIES, Wilfred; SINGH, Chaahat  
 (74) CreatelP
- 
- (71) JFE Steel Corporation  
 (11) AU-A-2021259986  
 (21) 2021259986 (22) 19.04.2021  
 (54) High-pressure hydrogen vessel  
 (51) Int. Cl.  
**F16J 12/00** ( 2006.01 )  
**B60K 15/03** ( 2006.01 )  
**F16J 15/10** ( 2006.01 )  
**F17C 1/00** ( 2006.01 )  
 (87) WO2021/215399  
 (31) 2020-074739 (32) 20.04.20 (33) JP  
 2021-069733 16.04.21 JP  
 (43) 28.10.2021  
 (72) TAKANO Toshio; OKANO Hiroshi; KADOTA Kotaro; TAKAGI Shusaku; MATSUBARA Kazuki  
 (74) Davies Collison Cave Pty Ltd
- 
- (71) Jiangsu Hengrui Pharmaceuticals Co., Ltd.; Shanghai Hengrui Pharmaceutical Co., Ltd.  
 (11) AU-A-2021240756  
 (21) 2021240756 (22) 25.03.2021  
 (54) Anti-PSMA antibody-exatecan analogue conjugate and medical use thereof  
 (51) Int. Cl.  
**C07D 491/22** ( 2006.01 )  
**A61K 31/506** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**A61K 47/68** ( 2017.01 )  
**A61P 35/00** ( 2006.01 )  
 (87) WO2021/190583  
 (31) 202010218297.4 (32) 25.03.20 (33) CN  
 (43) 30.09.2021  
 (72) YING, Hua; ZHANG, Xiaomin; YANG, Xiaoying; TAO, Weikang  
 (74) Davies Collison Cave Pty Ltd
- 
- (71) Johnson, B.  
 (11) AU-A-2021247414  
 (21) 2021247414 (22) 29.03.2021  
 (54) A bracket assembly  
 (51) Int. Cl.  
**E04B 1/38** ( 2006.01 )  
**E04B 1/18** ( 2006.01 )  
**E04C 3/02** ( 2006.01 )  
**E04C 3/30** ( 2006.01 )  
**E04C 5/16** ( 2006.01 )  
 (87) WO2021/195693  
 (31) 2020900967 (32) 30.03.20 (33) AU  
 2020901581 18.05.20 AU  
 (43) 07.10.2021  
 (72) JOHNSON, Brett Gordon  
 (74) KINGS PATENT & TRADE MARKS ATTORNEYS PTY LTD
- 
- (71) JX Nippon Mining & Metals Corporation  
 (11) AU-A-2021258686  
 (21) 2021258686 (22) 20.04.2021  
 (54) Equipment and method for inducing leaching copper, and method for producing electrolytic copper using said equipment and method  
 (51) Int. Cl.  
**C22B 15/00** ( 2006.01 )

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

**C22B 3/04** ( 2006.01 )  
**(87)** WO2021/215449  
**(31)** 2020-075000 **(32)** 20.04.20 **(33)** JP  
**(43)** 28.10.2021  
**(72)** MIURA, Akira; WINARKO, Ronny;  
 LIU, Wenying  
**(74)** Pizeys Patent and Trade Mark Attor-  
 neys Pty Ltd

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**(71)** Kedallon Therapeutics, Inc.  
**(11)** AU-A-2021257273  
**(21)** 2021257273 **(22)** 16.04.2021  
**(54)** Hydrodynamically actuated preserva-  
 tive free dispensing system

**(51)** Int. Cl.  
**A61F 9/00** ( 2006.01 )  
**A45D 34/00** ( 2006.01 )  
**A61J 1/14** ( 2006.01 )  
**A61M 11/00** ( 2006.01 )  
**B05B 1/08** ( 2006.01 )  
**B05B 9/08** ( 2006.01 )  
**B05B 17/06** ( 2006.01 )  
**(87)** WO2021/212033  
**(31)** 63/011,808 **(32)** 17.04.20 **(33)** US  
**(43)** 21.10.2021  
**(72)** IVRI, Yehuda  
**(74)** Davies Collison Cave Pty Ltd

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**(71)** Keene, S.; Davenport, B.  
**(11)** AU-A-2021244095  
**(21)** 2021244095 **(22)** 08.02.2021  
**(54)** Anti-microbial, disinfection chamber  
 respiratory face mask/shield

**(51)** Int. Cl.  
**A62B 18/02** ( 2006.01 )  
**A41D 13/11** ( 2006.01 )  
**A61L 2/10** ( 2006.01 )  
**A61L 9/20** ( 2006.01 )  
**(87)** WO2021/194649  
**(31)** 62/994,523 **(32)** 25.03.20 **(33)** US  
 63/143,677 29.01.21 US  
 17/169,253 05.02.21 US  
**(43)** 30.09.2021  
**(72)** KEENE, Sharon A.; DAVENPORT, Ben-  
 jamin J.  
**(74)** Wallington-Dummer

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**(71)** Khori, V.  
**(11)** AU-A-2020436199  
**(21)** 2020436199 **(22)** 24.06.2020  
**(54)** An instantly semi-solid dermal product  
 manufacturing method based on a fresh  
 extract and an apparatus thereof

**(51)** Int. Cl.  
**A61K 8/97** ( 2017.01 )  
**A61K 8/98** ( 2006.01 )  
**A61Q 19/00** ( 2006.01 )  
**(87)** WO2021/186231  
**(31)** 62/990,523 **(32)** 17.03.20 **(33)** US  
**(43)** 23.09.2021  
**(72)** KHORI, Vahid  
**(74)** Patentable

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**(71)** Kimberly-Clark Worldwide, Inc.  
**(11)** AU-A-2020437672  
**(21)** 2020437672 **(22)** 27.03.2020  
**(54)** Soft wet pressed facial tissue

**(51)** Int. Cl.  
**A47K 10/16** ( 2006.01 )  
**A61K 8/81** ( 2006.01 )  
**B31F 1/12** ( 2006.01 )  
**D21H 27/40** ( 2006.01 )  
**D21H 21/14** ( 2006.01 )  
**D21H 25/00** ( 2006.01 )  
**D21H 27/02** ( 2006.01 )  
**(87)** WO2021/194504  
**(43)** 30.09.2021  
**(72)** SATORI, Christopher L.; VOGT, Kevin  
 J.; SACHS, Mark W.  
**(74)** Spruson & Ferguson

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**(71)** Kimberly-Clark Worldwide, Inc.  
**(11)** AU-A-2020438610  
**(21)** 2020438610 **(22)** 27.03.2020  
**(54)** Soft through-air dried facial tissue

**(51)** Int. Cl.  
**A47K 10/16** ( 2006.01 )  
**A61K 8/81** ( 2006.01 )  
**B31F 1/12** ( 2006.01 )  
**D21H 27/40** ( 2006.01 )  
**D21F 11/14** ( 2006.01 )  
**D21H 21/14** ( 2006.01 )  
**D21H 27/02** ( 2006.01 )  
**(87)** WO2021/194505  
**(43)** 30.09.2021  
**(72)** SATORI, Christopher L.; VOGT, Kevin  
 J.; SACHS, Mark W.; GOULET, Mike  
 T.; BRADLEY, Elizabeth O.; CARLOW,  
 Geoffrey F.  
**(74)** Spruson & Ferguson

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**(71)** Kindred Biosciences, Inc.  
**(11)** AU-A-2021258198  
**(21)** 2021258198 **(22)** 22.04.2021  
**(54)** Long-acting anti-IL31 antibodies for  
 veterinary use  
**(51)** Int. Cl.  
**A61K 39/395** ( 2006.01 )  
**A61P 17/00** ( 2006.01 )  
**C07K 16/24** ( 2006.01 )  
**(87)** WO2021/216810  
**(31)** 63/014,033 **(32)** 22.04.20 **(33)** US  
 63/014,549 23.04.20 US  
**(43)** 28.10.2021  
**(72)** LI, Shyr Jiann; NGUYEN, Lam; CHU,  
 Qingyi; CHIN, Richard; ZHAN, Hangjun  
**(74)** RnB IP

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**(71)** Kindred Biosciences, Inc.  
**(11)** AU-A-2021259785  
**(21)** 2021259785 **(22)** 22.04.2021  
**(54)** IL4/IL13 receptor molecules for veteri-  
 nary use  
**(51)** Int. Cl.  
**C07K 14/715** ( 2006.01 )  
**C07K 14/54** ( 2006.01 )  
**C07K 14/735** ( 2006.01 )  
**C07K 19/00** ( 2006.01 )  
**(87)** WO2021/216899

**(31)** 63/014,090 **(32)** 22.04.20 **(33)** US  
 63/014,573 23.04.20 US  
**(43)** 28.10.2021  
**(72)** LI, Shyr Jiann; NGUYEN, Lam; CHU,  
 Qingyi; QIAN, Fawn; CHIN, Richard;  
 ZHAN, Hangjun  
**(74)** RnB IP

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**(71)** Klein, A.  
**(11)** AU-A-2021239185  
**(21)** 2021239185 **(22)** 18.03.2021  
**(54)** A storage unit having adjustable  
 volume  
**(51)** Int. Cl.  
**B60J 7/02** ( 2006.01 )  
**B60J 7/04** ( 2006.01 )  
**B60J 7/06** ( 2006.01 )  
**B60J 7/14** ( 2006.01 )  
**B60P 3/32** ( 2006.01 )

**(87)** WO2021/186452  
**(31)** 273467 **(32)** 19.03.20 **(33)** IL  
**(43)** 23.09.2021  
**(72)** KLEIN, Amos  
**(74)** FB Rice Pty Ltd

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**(71)** Kobelco Construction Machinery Co.,  
 Ltd.  
**(11)** AU-A-2021262054  
**(21)** 2021262054 **(22)** 14.04.2021  
**(54)** Assembly method for crane  
**(51)** Int. Cl.  
**B66C 23/26** ( 2006.01 )  
**B66C 23/36** ( 2006.01 )  
**B66C 23/42** ( 2006.01 )  
**(87)** WO2021/220819  
**(31)** 2020-078723 **(32)** 27.04.20 **(33)** JP  
**(43)** 04.11.2021  
**(72)** KOYAHATA, Akira; MATSUI, Dairo  
**(74)** Spruson & Ferguson

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**(71)** Koenig & Bauer Banknote Solutions SA  
**(11)** AU-A-2021263958  
**(21)** 2021263958 **(22)** 28.04.2021  
**(54)** Methods for designing and producing a  
 security feature  
**(51)** Int. Cl.  
**B42D 25/324** ( 2014.01 )  
**B42D 25/342** ( 2014.01 )  
**B42D 25/351** ( 2014.01 )  
**B42D 25/425** ( 2014.01 )  
**B42D 25/485** ( 2014.01 )  
**G02B 3/00** ( 2006.01 )  
**G02B 27/06** ( 2006.01 )  
**(87)** WO2021/219735  
**(31)** 2006219.6 **(32)** 28.04.20 **(33)** GB  
**(43)** 04.11.2021  
**(72)** STEWART, Robert Laird  
**(74)** AJ PARK

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**(71)** KWS SAAT SE & Co. KGaA  
**(11)** AU-A-2021287302  
**(21)** 2021287302 **(22)** 11.06.2021  
**(54)** Method and system for managing agri-  
 cultural processes  
**(51)** Int. Cl.  
**G06Q 10/06** ( 2012.01 )  
**G06Q 50/02** ( 2012.01 )  
**(87)** WO2021/250241  
**(31)** 20179419.5 **(32)** 11.06.20 **(33)** EP  
**(43)** 16.12.2021  
**(72)** SCHEUERMANN, Enrico; RATKE,  
 Christoph; WRAY, Christopher;  
 QUANTMEYER, Christian; STOFFRE-

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

- GEN, Jan-Patrick; JEBSEN, Christian;  
WIECHERS, Dirk  
**(74)** Spruson & Ferguson
- 
- (71)** L'Air Liquide, Societe Anonyme Pour  
L'Etude Et L'Exploitation Des Procedes  
Georges Claude  
**(11)** AU-A-2021261350  
**(21)** 2021261350 **(22)** 21.04.2021  
**(54)** Nitrogen process for production of am-  
monia and liquid hydrogen  
**(51)** Int. Cl.  
**F25J 1/00** ( 2006.01 )  
**C01B 3/24** ( 2006.01 )  
**C01B 3/36** ( 2006.01 )  
**C01B 3/38** ( 2006.01 )  
**C01C 1/04** ( 2006.01 )  
**F25J 1/02** ( 2006.01 )  
**F25J 3/04** ( 2006.01 )  
**(87)** WO2021/216742  
**(31)** 63/013,763 **(32)** 22.04.20 **(33)** US  
**(43)** 28.10.2021  
**(72)** TURNEY, Michael A.; GUILLARD,  
Alain; STROFFOLINO, Joseph T. IV  
**(74)** Maxwells Patent & Trade Mark Attor-  
neys Pty Ltd
- 
- (71)** L'air Liquide Societe Anonyme Pour  
L'Etude et L'Exploitation Des Procedes  
Georges Claude  
**(11)** AU-A-2021259109  
**(21)** 2021259109 **(22)** 09.04.2021  
**(54)** Method, device and computer program  
for determining the performance of a  
welding method via digital processing of  
an image of the welded workpiece  
**(51)** Int. Cl.  
**B23K 9/02** ( 2006.01 )  
**B23K 9/16** ( 2006.01 )  
**B23K 26/24** ( 2014.01 )  
**B23K 31/00** ( 2006.01 )  
**B23K 31/12** ( 2006.01 )  
**G06N 3/04** ( 2006.01 )  
**(87)** WO2021/213817  
**(31)** FR2003950 **(32)** 20.04.20 **(33)** FR  
**(43)** 28.10.2021  
**(72)** CARISTAN, Charles L; PLANCKAERT,  
Jean-Pierre  
**(74)** Maxwells Patent & Trade Mark Attor-  
neys Pty Ltd
- 
- (71)** Laboratoires Eriger  
**(11)** AU-A-2021281592  
**(21)** 2021281592 **(22)** 20.05.2021  
**(54)** Coupled terpene conjugate  
**(51)** Int. Cl.  
**A61Q 19/00** ( 2006.01 )  
**A61K 8/34** ( 2006.01 )  
**A61K 47/50** ( 2017.01 )  
**A61K 47/54** ( 2017.01 )  
**A61K 47/69** ( 2017.01 )  
**(87)** WO2021/240099  
**(31)** FR2005150 **(32)** 20.05.20 **(33)** FR  
**(43)** 02.12.2021  
**(72)** BUCHY, Eric; MUNNIER, Emilie;  
CHOURPA, Igor  
**(74)** SR Intellectual Property
- 
- (71)** Larimar Therapeutics, Inc.  
**(11)** AU-A-2021262825  
**(21)** 2021262825 **(22)** 30.04.2021  
**(54)** Methods for treating myelin associated  
diseases and mitochondria associated  
diseases  
**(51)** Int. Cl.  
**A61K 38/17** ( 2006.01 )  
**A61K 47/64** ( 2017.01 )  
**A61K 47/66** ( 2017.01 )  
**A61P 25/28** ( 2006.01 )  
**A61P 37/06** ( 2006.01 )  
**(87)** WO2021/222865  
**(31)** 63/018,451 **(32)** 30.04.20 **(33)** US  
**(43)** 04.11.2021  
**(72)** BETTOUN, Joan, David  
**(74)** Spruson & Ferguson
- 
- (71)** Les Laboratoires Servier  
**(11)** AU-A-2021255884  
**(21)** 2021255884 **(22)** 14.04.2021  
**(54)** Anti-FLT3 antibodies and compositions  
**(51)** Int. Cl.  
**C07K 16/28** ( 2006.01 )  
**(87)** WO2021/209495  
**(31)** 63/009,578 **(32)** 14.04.20 **(33)** US  
**(43)** 21.10.2021  
**(72)** LINDSTED, Trine; MELANDER, Eva  
Maria Carlsen; RIVA, Matteo; PEDER-  
SEN, Mikkel Wandahl; HANSEN, Randi  
Westh  
**(74)** ALLENS PATENT & TRADE MARK  
ATTORNEYS
- 
- (71)** LG Electronics Inc.  
**(11)** AU-A-2021238225  
**(21)** 2021238225 **(22)** 17.03.2021  
**(54)** Clothing treatment apparatus  
**(51)** Int. Cl.  
**D06F 58/12** ( 2006.01 )  
**A61L 2/07** ( 2006.01 )  
**D06F 34/14** ( 2020.01 )  
**D06F 58/20** ( 2006.01 )  
**D06F 71/29** ( 2006.01 )  
**D06F 73/02** ( 2006.01 )  
**(87)** WO2021/187889  
**(31)** 62/991,080 **(32)** 18.03.20 **(33)** US  
10-2021-0034678 17.03.21 KR  
**(43)** 23.09.2021  
**(72)** HEO, Junyi; NAM, Bohyun; LEE,  
Donghwan; LEE, Wonjun; KIM,  
Seonkyu  
**(74)** Dentons Patent Attorneys Australasia  
Limited
- 
- (71)** LG Energy Solution, Ltd.  
**(11)** AU-A-2021299624  
**(21)** 2021299624 **(22)** 02.07.2021  
**(54)** Battery module having pocket capable  
of collecting flares and sparks ejected  
during swelling  
**(51)** Int. Cl.  
**H01M 50/383** ( 2021.01 )  
**H01M 50/20** ( 2021.01 )  
**H01M 50/342** ( 2021.01 )  
**H01M 50/502** ( 2021.01 )  
**(87)** WO2022/005239  
**(31)** 10-2020-0081659 **(32)** 02.07.20 **(33)** KR  
10-2020-0105297 21.08.20 KR
- 
- (43)** 06.01.2022  
**(72)** HONG, Sung Goen; KIM, Seung Hy-  
un; JO, Sang Hyun; SHIN, Jin Kyu; OK,  
Seung Min; KONG, Byung O  
**(74)** FB Rice Pty Ltd
- 
- (71)** Lifeactivus Private Limited  
**(11)** AU-A-2020444401  
**(21)** 2020444401 **(22)** 15.10.2020  
**(54)** Pharmaceutical composition of chlorine  
for treatment of respiratory viral infec-  
tion  
**(51)** Int. Cl.  
**A61K 9/00** ( 2006.01 )  
**A61K 33/14** ( 2006.01 )  
**A61P 31/12** ( 2006.01 )  
**(87)** WO2021/214536  
**(31)** 202041017016 **(32)** 21.04.20 **(33)** IN  
**(43)** 28.10.2021  
**(72)** DEO, Keshav; PANCHASARA, Dinesh  
R.  
**(74)** Spruson & Ferguson
- 
- (71)** Liveome Inc.  
**(11)** AU-A-2021258959  
**(21)** 2021258959 **(22)** 09.04.2021  
**(54)** Microorganism expressing vasoactive  
intestinal peptide, and use thereof  
**(51)** Int. Cl.  
**C12N 15/74** ( 2006.01 )  
**A61K 35/747** ( 2015.01 )  
**A61P 1/00** ( 2006.01 )  
**A61P 29/00** ( 2006.01 )  
**C07K 14/72** ( 2006.01 )  
**(87)** WO2021/215717  
**(31)** 10-2020-0047660 **(32)** 20.04.20 **(33)** KR  
**(43)** 28.10.2021  
**(72)** SONG, Ji Yoon; CHOI, Hyo Jeong;  
NOH, Hyeon Jin; PARK, Young Ha;  
JUNG, Yi Reh  
**(74)** Spruson & Ferguson
- 
- (71)** LIV Process, Inc.  
**(11)** AU-A-2021257245  
**(21)** 2021257245 **(22)** 16.04.2021  
**(54)** Methods of reducing or preventing  
Clostridioides difficile colonization  
**(51)** Int. Cl.  
**C12N 15/115** ( 2010.01 )  
**A01N 29/04** ( 2006.01 )  
**A01N 37/16** ( 2006.01 )  
**A01N 63/60** ( 2020.01 )  
**C12Q 1/689** ( 2018.01 )  
**(87)** WO2021/211921  
**(31)** 63/011,850 **(32)** 17.04.20 **(33)** US  
**(43)** 21.10.2021  
**(72)** SHANNON, Ronald J.; MCINTYRE, Mi-  
chael; FABBRI, Stefania; WESTGATE,  
Samantha  
**(74)** Spruson & Ferguson
- 
- (71)** Lobe Sciences Ltd.  
**(11)** AU-A-2021258135  
**(21)** 2021258135 **(22)** 20.04.2021  
**(54)** Methods for treating mild traumatic  
brain injury, post traumatic stress dis-  
order and mild traumatic brain injury

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

- (51) Int. Cl.  
**A61K 31/135** ( 2006.01 )  
**A61K 31/167** ( 2006.01 )  
**A61K 31/198** ( 2006.01 )  
**A61P 25/00** ( 2006.01 )
- (87) WO2021/216489
- (31) 63/012,435 (32) 20.04.20 (33) US  
 63/059,272 31.07.20 US  
 63/016,455 28.04.20 US
- (43) 28.10.2021
- (72) DARIANI, Maghsoud; PIONTKOWSKI, Shlomo
- (74) FB Rice Pty Ltd
- 
- (71) Locus Agriculture IP Company, LLC
- (11) AU-A-2021263475
- (21) 2021263475 (22) 30.04.2021
- (54) Microbial combinations for enhanced crop yields
- (51) Int. Cl.  
**C09K 17/00** ( 2006.01 )  
**A01N 63/22** ( 2020.01 )  
**A01N 63/30** ( 2020.01 )
- (87) WO2021/222676
- (31) 63/017,970 (32) 30.04.20 (33) US
- (43) 04.11.2021
- (72) ZORNER, Paul S.; FARMER, Sean; ALIBEK, Ken
- (74) FPA Patent Attorneys Pty Ltd
- 
- (71) Locus IP Company, LLC
- (11) AU-A-2021255849
- (21) 2021255849 (22) 13.04.2021
- (54) Bacillus strain for applications in agriculture, livestock health and environmental protection
- (51) Int. Cl.  
**C12N 1/20** ( 2006.01 )  
**A23K 10/18** ( 2016.01 )  
**C05F 17/20** ( 2020.01 )  
**C12R 1/07** ( 2006.01 )
- (87) WO2021/211548
- (31) 63/009,497 (32) 14.04.20 (33) US
- (43) 21.10.2021
- (72) FARMER, Sean; ALIBEK, Ken
- (74) FPA Patent Attorneys Pty Ltd
- 
- (71) Magellan Systems Japan, Inc.
- (11) AU-A-2021252208
- (21) 2021252208 (22) 25.03.2021
- (54) Method and system for providing authentication to GNSS open service signals and interoperable secure positioning
- (51) Int. Cl.  
**G01S 19/02** ( 2010.01 )  
**G01S 19/21** ( 2010.01 )
- (87) WO2021/205272
- (31) 63/007,788 (32) 09.04.20 (33) US
- (43) 14.10.2021
- (72) LYUSIN, Sergey; KISHIMOTO, Nobuhiro
- (74) WRAYS PTY LTD
- 
- (71) McLellan, A.; Tutungi, E.; Hallam, M.; Tutungi, V.
- (11) AU-A-2021261639
- (21) 2021261639 (22) 21.04.2021
- (54) Temperature sensing catheter
- (51) Int. Cl.  
**A61B 5/01** ( 2006.01 )  
**A61B 5/287** ( 2021.01 )  
**A61B 18/02** ( 2006.01 )  
**A61B 18/12** ( 2006.01 )  
**A61M 25/00** ( 2006.01 )
- (87) WO2021/214546
- (31) 63/013,495 (32) 21.04.20 (33) US
- (43) 28.10.2021
- (72) MCLELLAN, Alexander; TUTUNGI, Elli; HALLAM, Matthew; TUTUNGI, Vicki
- (74) Davies Collison Cave Pty Ltd
- 
- (71) Metso Outotec Finland Oy
- (11) AU-A-2020451848
- (21) 2020451848 (22) 03.06.2020
- (54) A filter plate assembly for a horizontal plate and frame-type filter, such as a tower press, a filter plate and a vat liner
- (51) Int. Cl.  
**B01D 25/127** ( 2006.01 )  
**B01D 25/164** ( 2006.01 )  
**B01D 25/21** ( 2006.01 )  
**B01D 25/30** ( 2006.01 )
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- (43) 09.12.2021
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- (21) 2020451849 (22) 03.06.2020
- (54) An outlet piece assembly for a horizontal plate and frame-type filter, such as a tower press
- (51) Int. Cl.  
**B01D 25/127** ( 2006.01 )  
**B01D 25/12** ( 2006.01 )  
**B01D 25/164** ( 2006.01 )  
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- (43) 09.12.2021
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- (11) AU-A-2020452710
- (21) 2020452710 (22) 09.06.2020
- (54) Fluidizing nozzle and fluidized bed reactor
- (51) Int. Cl.  
**F23C 10/20** ( 2006.01 )  
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- (11) AU-A-2021245079
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- (74) Zone Patents Limited
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- (21) 2021269143 (22) 21.04.2021
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- (51) Int. Cl.  
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- (31) 2025515 (32) 06.05.20 (33) NL
- (43) 11.11.2021
- (72) SCHONBERGER, Johannes Lutz; POLLEFEYS, Marc Andre Leon
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- (51) Int. Cl.  
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 (51) Int. Cl.  
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 (54) Execution of n-qubit quantum gates  
 (51) Int. Cl.  
     G06N 10/00 ( 2019.01 )  
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 (54) Thermoformable shape-memory device and uses thereof  
 (51) Int. Cl.  
     B29C 70/54 ( 2006.01 )  
     A43B 17/00 ( 2006.01 )  
     B29C 37/00 ( 2006.01 )  
     B29C 45/14 ( 2006.01 )  
     B29C 45/16 ( 2006.01 )  
     B29C 51/14 ( 2006.01 )  
     B29C 59/18 ( 2006.01 )  
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     B29C 70/84 ( 2006.01 )  
     B29C 70/88 ( 2006.01 )  
     B29D 35/14 ( 2010.01 )  
     B32B 1/08 ( 2006.01 )  
     B32B 3/06 ( 2006.01 )  
     B33Y 10/00 ( 2015.01 )  
     B29C 61/06 ( 2006.01 )  
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 (54) Rotor, motor, compressor, and air-conditioning device  
 (51) Int. Cl.  
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     B05D 1/00 ( 2006.01 )  
     A01N 25/00 ( 2006.01 )  
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     A01N 37/36 ( 2006.01 )  
     A62B 18/02 ( 2006.01 )  
     B05D 5/00 ( 2006.01 )  
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 (54) A negative pressure wound therapy (NPWT) dressing  
 (51) Int. Cl.  
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 (72) SVENSSON, Malin; SKEPPSTEDT, Viktoria; HOLMÉN, Malin; BOLYOS, Elinor  
 (74) FPA Patent Attorneys Pty Ltd

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 (54) A negative pressure wound therapy (NPWT) dressing  
 (51) Int. Cl.  
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 (72) SVENSSON, Malin; SKEPPSTEDT, Viktoria; HOLMÉN, Malin; BOLYOS, Elinor  
 (74) FPA Patent Attorneys Pty Ltd

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 (21) 2021281012 (22) 24.05.2021  
 (54) A negative pressure wound therapy (NPWT) dressing  
 (51) Int. Cl.  
     A61F 13/02 ( 2006.01 )  
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 (54) A negative pressure wound therapy (NPWT) system  
 (51) Int. Cl.  
     A61M 1/00 ( 2006.01 )  
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 (51) Int. Cl.  
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     A61P 21/06 ( 2006.01 )  
     C07K 14/52 ( 2006.01 )  
     C12N 5/077 ( 2010.01 )  
     C12N 9/10 ( 2006.01 )  
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 (72) RATNAYAKE, Dhanushika; CURRIE, Peter; MARTINO, Mikael  
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(71) Monsanto Technology LLC  
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     A01H 1/08 ( 2006.01 )  
     A01H 1/06 ( 2006.01 )  
     A01H 4/00 ( 2006.01 )  
     A01H 5/00 ( 2018.01 )  
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 (51) Int. Cl.  
**C07K 14/415** ( 2006.01 )  
**A01N 57/20** ( 2006.01 )  
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 (72) CHITTOOR, Jaishree M.; FLASINSKI, Stanislaw  
 (74) Davies Collison Cave Pty Ltd
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- (71) Moroz Technologies Pty Ltd  
 (11) AU-A-2021267542  
 (21) 2021267542 (22) 10.05.2021  
 (54) System and method of haemodialysis  
 (51) Int. Cl.  
**A61M 1/34** ( 2006.01 )  
**A61B 18/04** ( 2006.01 )  
**A61B 18/06** ( 2006.01 )  
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**A61K 9/51** ( 2006.01 )  
**A61K 38/48** ( 2006.01 )  
**A61M 1/14** ( 2006.01 )  
**A61M 1/36** ( 2006.01 )  
**B82Y 5/00** ( 2011.01 )  
**G01N 33/487** ( 2006.01 )  
**G01N 33/50** ( 2006.01 )  
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**C07K 16/46** ( 2006.01 )  
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**A61P 25/28** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
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 (54) Multi-core account migration  
 (51) Int. Cl.  
**G06F 21/31** ( 2013.01 )  
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 (54) Music integration with fitness instruction  
 (51) Int. Cl.  
**G11B 27/031** ( 2006.01 )  
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**A01G 3/06** ( 2006.01 )  
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**B01D 53/14** ( 2006.01 )  
**B01D 53/62** ( 2006.01 )  
**B01D 53/75** ( 2006.01 )  
**B01D 53/77** ( 2006.01 )
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 (74) Baxter Patent Attorneys Pty Ltd
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- (71) NEC Oncolmmunity AS; NEC Laboratories Europe GmbH  
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 (51) Int. Cl.  
**C01B 3/00** ( 2006.01 )  
**C01B 3/04** ( 2006.01 )  
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**C06B 23/00** ( 2006.01 )  
**C06B 45/00** ( 2006.01 )  
**C06D 5/04** ( 2006.01 )  
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 (51) Int. Cl.  
**A61B 17/17** ( 2006.01 )  
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*B32B 13/00* (2006.01)  
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*E04C 2/02* (2006.01)  
*E04G 21/00* (2006.01)  
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 (54) ILT-binding agents and methods of use thereof  
 (51) Int. Cl.  
*C07K 16/28* (2006.01)  
*A61P 35/00* (2006.01)  
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 (54) Method for constructing roadbase layer, and mixture for use in said method  
 (51) Int. Cl.  
*E01C 7/26* (2006.01)  
*E01C 23/00* (2006.01)  
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 (54) Antiviral 1,3-di-oxo-indene compounds  
 (51) Int. Cl.  
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*A61K 31/496* (2006.01)  
*A61P 31/16* (2006.01)  
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 (51) Int. Cl.  
*A61K 9/10* (2006.01)  
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 (11) AU-A-2021262479  
 (21) 2021262479 (22) 28.04.2021  
 (54) Methods for radiolabelling PSMA binding ligands and their kits  
 (51) Int. Cl.  
*A61K 51/04* (2006.01)  
*A61K 51/12* (2006.01)  
*C07B 59/00* (2006.01)  
*A61K 103/00* (2006.01)  
*A61K 103/30* (2006.01)  
 (87) WO2021/219719  
 (31) 20172119.8 (32) 29.04.20 (33) EP  
 (43) 04.11.2021  
 (72) BARBATO, Donato; FUGAZZA, Lorenza; TEDESCO, Mattia; CASTALDI, Elena  
 (74) Davies Collison Cave Pty Ltd
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- (71) Novartis AG  
 (11) AU-A-2021265132  
 (21) 2021265132 (22) 28.04.2021  
 (54) Methods for radiolabeling PSMA binding ligands and their kits  
 (51) Int. Cl.  
*A61K 51/04* (2006.01)  
*A61K 51/12* (2006.01)  
*C07B 59/00* (2006.01)  
*A61K 103/00* (2006.01)  
*A61K 103/30* (2006.01)  
 (87) WO2021/219720  
 (31) 20172151.1 (32) 29.04.20 (33) EP  
 (43) 04.11.2021  
 (72) SACCHETTI, Lorenzo; MARTINENGO, Erica; BARBATO, Donato; TEDESCO, Mattia  
 (74) Davies Collison Cave Pty Ltd
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- (71) Novartis AG  
 (11) AU-A-2021307607  
 (21) 2021307607 (22) 15.07.2021  
 (54) Mavoglurant, a mGluR5 antagonist, for use in the treatment in the reduction of opioid use  
 (51) Int. Cl.  
*A61K 31/404* (2006.01)  
*A61P 25/36* (2006.01)  
*A61P 43/00* (2006.01)  
 (87) WO2022/013809  
 (31) 63/053,090 (32) 17.07.20 (33) US  
 63/124,537 11.12.20 US  
 (43) 20.01.2022  
 (72) DOLMETSCH, Richard Carl Elcario; GASPARINI, Fabrizio; GOMEZ-MANCILLA, Baltazar  
 (74) Davies Collison Cave Pty Ltd
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- (71) Nunhems B.V.  
 (11) AU-A-2021238581  
 (21) 2021238581 (22) 15.03.2021  
 (54) *Didymella bryoniae* internal fruit rot resistance in cucumis sativus plants  
 (51) Int. Cl.  
*A01H 6/34* (2018.01)  
*A01H 1/00* (2006.01)  
*A01H 5/08* (2018.01)  
*C12N 9/02* (2006.01)  
 (87) WO2021/185774  
 (31) 20163899.6 (32) 18.03.20 (33) EP  
 20194997.1 08.09.20 EP  
 (43) 23.09.2021  
 (72) LIBERTI, Daniele; KOELEWIJN, Hans Peter; BEENDERS, Frank; REINIERS, Laura; VRIEZEN, Wim; MERTENS, Lieke  
 (74) Davies Collison Cave Pty Ltd
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- (71) Nuvamid SA  
 (11) AU-A-2021260118  
 (21) 2021260118 (22) 23.04.2021  
 (54) Nicotinamide mononucleotide and nicotinamide riboside derivatives and use thereof in the treatment of viral infections and respiratory complications, in particular caused by influenza virus or coronavirus  
 (51) Int. Cl.  
*C07H 19/048* (2006.01)  
*A61K 31/706* (2006.01)  
*A61K 31/7084* (2006.01)  
*A61P 11/00* (2006.01)  
*A61P 31/12* (2006.01)  
*C07H 21/00* (2006.01)  
 (87) WO2021/214299  
 (31) 16/858,447 (32) 24.04.20 (33) US  
 20171442.5 25.04.20 EP  
 15/930,154 12.05.20 US  
 (43) 28.10.2021  
 (72) BERMOND, Guillaume; GARCON, Laurent  
 (74) PHILLIPS ORMONDE FITZPATRICK
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- (71) Oakley, S.; Hodgson, T.  
 (11) AU-A-2022204035  
 (21) 2022204035 (22) 30.04.2022  
 (54) A plastic composite product  
 (51) Int. Cl.

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**B27N 3/08** ( 2006.01 )  
**B29C 43/04** ( 2006.01 )  
**B32B 21/02** ( 2006.01 )
- (31) 2021901268 (32) 30.04.21 (33) AU  
(43) 17.11.2022  
(72) OAKLEY, Simon David; HODGSON, Thomas Clarence  
(74) Dentons Patent Attorneys Australasia Limited
- 
- (71) Ocado Innovation Limited  
(11) AU-A-2021261550  
(21) 2021261550 (22) 22.04.2021  
(54) Apparatus and method for charging a load handling device on a grid  
(51) Int. Cl.  
**B65G 1/04** ( 2006.01 )  
**B60L 50/40** ( 2019.01 )  
**B65G 1/06** ( 2006.01 )  
**B65G 1/137** ( 2006.01 )
- (87) WO2021/214206  
(31) 2006089.3 (32) 24.04.20 (33) GB  
2010704.1 10.07.20 GB  
(43) 28.10.2021  
(72) FLYNN, Damian; BATES, Martyn; CORSER, Philip; CHIVERTON, Simon; NADAL, Javier; PASSETTI, Giovanni  
(74) James & Wells Intellectual Property
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- (71) Ocado Innovation Limited  
(11) AU-A-2021261556  
(21) 2021261556 (22) 22.04.2021  
(54) Energy storage system for a load handling device  
(51) Int. Cl.  
**B60L 50/40** ( 2019.01 )  
**B60L 58/22** ( 2019.01 )  
**B65G 1/04** ( 2006.01 )  
**H02J 7/34** ( 2006.01 )  
**B65G 1/06** ( 2006.01 )
- (87) WO2021/214236  
(31) 2006089.3 (32) 24.04.20 (33) GB  
2010704.1 10.07.20 GB  
2020583.7 23.12.20 GB  
(43) 28.10.2021  
(72) CORSER, Philip; BROWN, David; NADAL, Javier; PASSETTI, Giovanni  
(74) James & Wells Intellectual Property
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- (71) Olatec Therapeutics LLC  
(11) AU-A-2021244313  
(21) 2021244313 (22) 22.03.2021  
(54) Method for treating diabetes  
(51) Int. Cl.  
**A61K 31/275** ( 2006.01 )  
**A61K 9/00** ( 2006.01 )  
**A61P 9/04** ( 2006.01 )
- (87) WO2021/194975  
(31) 62/994,486 (32) 25.03.20 (33) US  
(43) 30.09.2021  
(72) DINARELLO, Charles A.  
(74) FPA Patent Attorneys Pty Ltd
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- (71) Omachron Intellectual Property Inc.  
(11) AU-A-2021237991  
(21) 2021237991 (22) 17.03.2021
- (54) Surface cleaning apparatus with removable air treatment member assembly  
(51) Int. Cl.  
**A47L 9/10** ( 2006.01 )  
**A47L 5/24** ( 2006.01 )  
**A47L 9/32** ( 2006.01 )
- (87) WO2021/184117  
(31) 16/822,708 (32) 18.03.20 (33) US  
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(43) 23.09.2021  
(72) CONRAD, Wayne Ernest  
(74) FPA Patent Attorneys Pty Ltd
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- (71) OMS Investments, Inc.  
(11) AU-A-2021237729  
(21) 2021237729 (22) 19.03.2021  
(54) Fertilizer compositions having slow-release nitrogen compounds and methods of forming thereof  
(51) Int. Cl.  
**C05C 9/02** ( 2006.01 )  
**C05G 5/30** ( 2020.01 )
- (87) WO2021/189014  
(31) 62/992,271 (32) 20.03.20 (33) US  
(43) 23.09.2021  
(72) THOMPSON, Harold E.; MACDONALD, Curtis James; VELEZ, Stephanie Von Ville; INGLISH, David Patrick; OWUSU-ADOM, Kwame  
(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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- (71) Onfarmhatching Ltd  
(11) AU-A-2021269181  
(21) 2021269181 (22) 06.05.2021  
(54) An egg laying device  
(51) Int. Cl.  
**A01K 41/06** ( 2006.01 )  
**A01K 43/00** ( 2006.01 )
- (87) WO2021/224627  
(31) 2006700.5 (32) 06.05.20 (33) GB  
2103247.9 09.03.21 GB  
(43) 11.11.2021  
(72) FURLONG, Leon  
(74) FOUNDRY INTELLECTUAL PROPERTY PTY LTD
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- (71) ONK Therapeutics Limited  
(11) AU-A-2020451422  
(21) 2020451422 (22) 02.06.2020  
(54) Hypoxia-resistant natural killer cells  
(51) Int. Cl.  
**A61K 35/17** ( 2015.01 )  
**C12N 9/16** ( 2006.01 )
- (87) WO2021/244733  
(43) 09.12.2021  
(72) O'DWYER, Michael Eamon Peter; HU, Jinsong  
(74) Spruson & Ferguson
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- (71) Opna Immuno-Oncology SA  
(11) AU-A-2021261383  
(21) 2021261383 (22) 22.04.2021  
(54) Compounds and methods for CD73 modulation and indications therefor  
(51) Int. Cl.  
**B65D 43/16** ( 2006.01 )  
**B65D 43/22** ( 2006.01 )  
**B65D 43/26** ( 2006.01 )
- (51) Int. Cl.  
**C07D 401/14** ( 2006.01 )  
**A61K 31/501** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07D 403/14** ( 2006.01 )  
**C07D 405/14** ( 2006.01 )  
**C07D 413/14** ( 2006.01 )  
**C07D 471/08** ( 2006.01 )  
**C07D 487/08** ( 2006.01 )
- (87) WO2021/216898  
(31) 63/014,523 (32) 23.04.20 (33) US  
(43) 28.10.2021  
(72) SHI, Songyuan; BUELL, John; GUO, Zuojun; LY, Cuong; SPEVAK, Wayne; VANDER WAL, Mark; WALLESHAUSER, Jack; ZHANG, Chao; ZHANG, Jiazhong  
(74) RnB IP
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- (71) Organicell Regenerative Medicine, Inc.  
(11) AU-A-2021253889  
(21) 2021253889 (22) 10.04.2021  
(54) Compositions comprising nanoparticles, method of making and uses thereof  
(51) Int. Cl.  
**A61K 35/50** ( 2015.01 )  
**A61K 9/127** ( 2006.01 )  
**A61K 9/51** ( 2006.01 )  
**A61K 31/7105** ( 2006.01 )  
**A61K 31/728** ( 2006.01 )  
**A61K 38/00** ( 2006.01 )  
**A61P 11/00** ( 2006.01 )  
**A61P 19/02** ( 2006.01 )  
**A61P 25/00** ( 2006.01 )  
**A61P 29/00** ( 2006.01 )
- (87) WO2021/205411  
(31) 63/008,355 (32) 10.04.20 (33) US  
(43) 14.10.2021  
(72) MITRANI, Maria Ines  
(74) RNB IP PTY LTD
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- (71) Oriental Yeast Co.,Ltd.  
(11) AU-A-2021263179  
(21) 2021263179 (22) 05.04.2021  
(54) Stem cell medium and stem cell culturing method  
(51) Int. Cl.  
**C12N 1/00** ( 2006.01 )  
**C12N 5/0735** ( 2010.01 )  
**C12N 5/074** ( 2010.01 )  
**C12N 5/0775** ( 2010.01 )  
**C12N 5/0789** ( 2010.01 )  
**C12N 5/0797** ( 2010.01 )  
**C12N 5/10** ( 2006.01 )
- (87) WO2021/220731  
(31) 2020-080760 (32) 30.04.20 (33) JP  
(43) 04.11.2021  
(72) GA, Ayumi; TOMIMORI, Yoshiya; YASUDA, Hisataka  
(74) Griffith Hack
- 
- (71) PackIt, LLC  
(11) AU-A-2021259451  
(21) 2021259451 (22) 20.04.2021  
(54) Lidded container  
(51) Int. Cl.

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**(31)** 63/012,838 **(32)** 20.04.20 **(33)** US  
 63/037,949 11.06.20 US  
**(43)** 28.10.2021  
**(72)** GROSS, Kenneth Arthur  
**(74)** Spruson & Ferguson

**(71)** Patenttitoimisto T. Poutanen  
**(11)** AU-A-2021269161  
**(21)** 2021269161 **(22)** 14.04.2021  
**(54)** Glued timber trussed joist, joint and method  
**(51)** Int. Cl.  
**E04C 3/16** ( 2006.01 )  
**E04C 3/17** ( 2006.01 )  
**(87)** WO2021/224542  
**(31)** 16/865,763 **(32)** 04.05.20 **(33)** US  
**(43)** 11.11.2021  
**(72)** POUTANEN, Tuomo  
**(74)** Griffith Hack

**(71)** PayPal, Inc.  
**(11)** AU-A-2020447433  
**(21)** 2020447433 **(22)** 11.05.2020  
**(54)** Determination of geographic coordinates using machine learning techniques  
**(51)** Int. Cl.  
**H04L 9/08** ( 2006.01 )  
**G06F 16/29** ( 2019.01 )  
**G06N 3/04** ( 2006.01 )  
**G06Q 20/32** ( 2012.01 )  
**G06Q 20/40** ( 2012.01 )  
**(87)** WO2021/226798  
**(43)** 18.11.2021  
**(72)** Li, Dongxue; GE, Lidong; ZHANG, Bohai; FU, Ying; FAN, Chunrong  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** Pemmaraju, V.P.  
**(11)** AU-A-2021239200  
**(21)** 2021239200 **(22)** 19.03.2021  
**(54)** A system and an apparatus for throwing a sports object  
**(51)** Int. Cl.  
**A63B 65/12** ( 2006.01 )  
**A63B 69/40** ( 2006.01 )  
**(87)** WO2021/186479  
**(31)** 202041011883 **(32)** 19.03.20 **(33)** IN  
**(43)** 23.09.2021  
**(72)** PEMMARAJU, Venkata Parthasaradhi  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** PepsiCo, Inc.  
**(11)** AU-A-2021265722  
**(21)** 2021265722 **(22)** 18.03.2021  
**(54)** Product identification systems and methods  
**(51)** Int. Cl.  
**G08B 13/14** ( 2006.01 )  
**(87)** WO2021/221810  
**(31)** 16/864,676 **(32)** 01.05.20 **(33)** US  
**(43)** 04.11.2021  
**(72)** LI, Xuejun; SEROCK, Yong Jin; LAU, Cheuk Chi  
**(74)** Allens Patent & Trade Mark Attorneys

**(71)** Philogen S.p.A.  
**(11)** AU-A-2021276573  
**(21)** 2021276573 **(22)** 24.05.2021  
**(54)** Tnfalpha immunoconjugate therapy for the treatment of brain tumors  
**(51)** Int. Cl.  
**A61K 39/395** ( 2006.01 )  
**A61K 31/17** ( 2006.01 )  
**A61K 31/495** ( 2006.01 )  
**A61K 38/19** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07K 14/525** ( 2006.01 )  
**C07K 16/18** ( 2006.01 )  
**(87)** WO2021/234178  
**(31)** 20176157.4 **(32)** 22.05.20 **(33)** EP  
**(43)** 25.11.2021  
**(72)** HEMMERLE, Theresa  
**(74)** James & Wells Intellectual Property

**(71)** PRC-DeSoto International, Inc.  
**(11)** AU-A-2021252516  
**(21)** 2021252516 **(22)** 05.04.2021  
**(54)** Mixing impellers for sealant cartridges  
**(51)** Int. Cl.  
**B01F 27/07** ( 2022.01 )  
**B01F 27/1123** ( 2022.01 )  
**B01F 27/2122** ( 2022.01 )  
**B01F 27/88** ( 2022.01 )  
**B01F 31/40** ( 2022.01 )  
**B01F 33/501** ( 2022.01 )  
**B01F 35/32** ( 2022.01 )  
**(87)** WO2021/207080  
**(31)** 63/005,527 **(32)** 06.04.20 **(33)** US  
**(43)** 14.10.2021  
**(72)** KUCHINSKI, Paul; SINGH, Goldi; SANTILLAN, Oscar  
**(74)** Minter Ellison

**(71)** PRC-DeSoto International, Inc.  
**(11)** AU-A-2021257868  
**(21)** 2021257868 **(22)** 15.04.2021  
**(54)** Controlling cure rate with wetted filler  
**(51)** Int. Cl.  
**C08G 75/045** ( 2016.01 )  
**C08K 3/00** ( 2018.01 )  
**C08L 81/02** ( 2006.01 )  
**(87)** WO2021/211833  
**(31)** 16/848,909 **(32)** 15.04.20 **(33)** US  
**(43)** 21.10.2021  
**(72)** TOOLIS, Amy Liane; HSU, Lorraine; CLINGGERMAN, Daniel; MARTIN, Justin  
**(74)** Minter Ellison

**(71)** Primebean. Co., Ltd.  
**(11)** AU-A-2020443848  
**(21)** 2020443848 **(22)** 20.04.2020  
**(54)** Selection device, selection method, and selection program  
**(51)** Int. Cl.  
**G06Q 30/08** ( 2012.01 )  
**(87)** WO2021/214828  
**(43)** 28.10.2021  
**(72)** HOSOYA, Yuichi  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Primewan Limited  
**(11)** AU-A-2021268768

**(21)** 2021268768 **(22)** 10.03.2021  
**(54)** Virtual network device  
**(51)** Int. Cl.  
**H04L 1/00** ( 2006.01 )  
**(87)** WO2021/223510  
**(31)** 16/868,345 **(32)** 06.05.20 **(33)** US  
**(43)** 11.11.2021  
**(72)** LI, Ming; JIA, Yuan Yang  
**(74)** Murray Trento & Associates Pty Ltd

**(71)** Procore Technologies, Inc.  
**(11)** AU-A-2021238378  
**(21)** 2021238378 **(22)** 19.03.2021  
**(54)** Presence and collaboration tools for building information models  
**(51)** Int. Cl.  
**G06F 30/13** ( 2020.01 )  
**G06F 30/12** ( 2020.01 )  
**G06Q 10/06** ( 2012.01 )  
**G06Q 10/10** ( 2012.01 )  
**G06F 111/18** ( 2020.01 )  
**(87)** WO2021/188930  
**(31)** 16/825,812 **(32)** 20.03.20 **(33)** US  
**(43)** 23.09.2021  
**(72)** MCKEE, Kevin; BURLINGHAM, Ben  
**(74)** PHILLIPS ORMONDE FITZPATRICK

**(71)** Pyrogenesis Canada Inc.  
**(11)** AU-A-2021240870  
**(21)** 2021240870 **(22)** 22.03.2021  
**(54)** Plasma process to convert Spent Pot Lining (SPL) to inert slag, aluminum fluoride and energy  
**(51)** Int. Cl.  
**B09B 3/00** ( 2006.01 )  
**C01B 3/32** ( 2006.01 )  
**C22B 7/00** ( 2006.01 )  
**C22B 21/00** ( 2006.01 )  
**C25C 3/06** ( 2006.01 )  
**C25C 7/06** ( 2006.01 )  
**F27B 3/08** ( 2006.01 )  
**F27D 15/00** ( 2006.01 )  
**F27D 17/00** ( 2006.01 )  
**H05H 1/48** ( 2006.01 )  
**(87)** WO2021/189133  
**(31)** 62/993,043 **(32)** 22.03.20 **(33)** US  
**(43)** 30.09.2021  
**(72)** GAGNON, Jean-René; SHAHVERDI, Ali; RIVARD, François; PICARD, François; CARABIN, Pierre  
**(74)** Franke Hyland Pty Ltd

**(71)** Qpex Biopharma, Inc.  
**(11)** AU-A-2021266715  
**(21)** 2021266715 **(22)** 04.05.2021  
**(54)** Boronic acid derivatives and synthesis, polymorphic forms, and therapeutic uses thereof  
**(51)** Int. Cl.  
**C07F 5/02** ( 2006.01 )  
**C07F 5/04** ( 2006.01 )  
**(87)** WO2021/226114  
**(31)** 63/020,494 **(32)** 05.05.20 **(33)** US  
**(43)** 11.11.2021  
**(72)** HECKER, Scott J.; BOYER, Serge Henri; BIO, Matthew M.; FANG, Yuanqing; GONZALES DE CASTRO, An-

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gela; LEFORT, Laurent; ZHU, Zuolin;  
LINDER, Thomas  
**(74)** PHILLIPS ORMONDE FITZPATRICK

**(71)** Quorum Innovations, LLC  
**(11)** AU-A-2021268961  
**(21)** 2021268961 **(22)** 06.05.2021  
**(54)** Novel protein, and therapeutic and cosmetic uses thereof  
**(51)** Int. Cl.  
**C07K 14/00** ( 2006.01 )  
**A61P 9/00** ( 2006.01 )  
**A61P 17/00** ( 2006.01 )  
**A61P 25/00** ( 2006.01 )  
**A61P 27/02** ( 2006.01 )  
**A61P 29/00** ( 2006.01 )  
**A61P 31/00** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07K 16/00** ( 2006.01 )  
**C12N 15/70** ( 2006.01 )  
**(87)** WO2021/226318  
**(31)** 63/020,860 **(32)** 06.05.20 **(33)** US  
**(43)** 11.11.2021  
**(72)** MONSUL, Nicholas T.; BERKES, Eva A.; BOEHM, Frederick T.; LIAO, Yu-Hsien  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** Radexel Inc.  
**(11)** AU-A-2021259040  
**(21)** 2021259040 **(22)** 23.04.2021  
**(54)** Device for generating magnetic field and method for controlling same  
**(51)** Int. Cl.  
**A61N 5/10** ( 2006.01 )  
**A61N 2/00** ( 2006.01 )  
**A61N 2/02** ( 2006.01 )  
**(87)** WO2021/215859  
**(31)** 10-2020-0050313 **(32)** 24.04.20 **(33)** KR  
10-2021-0052174 22.04.21 KR  
**(43)** 28.10.2021  
**(72)** LEE, Jeong Won  
**(74)** LAMINAR IP PTY LTD

**(71)** Radiomedix, Inc.  
**(11)** AU-A-2021258328  
**(21)** 2021258328 **(22)** 26.04.2021  
**(54)** Composition, kit and method for diagnosis and treatment of prostate cancer  
**(51)** Int. Cl.  
**A61K 31/195** ( 2006.01 )  
**A61K 31/198** ( 2006.01 )  
**A61K 31/4172** ( 2006.01 )  
**(87)** WO2021/217122  
**(31)** 63/015,182 **(32)** 24.04.20 **(33)** US  
**(43)** 28.10.2021  
**(72)** DELPASSAND, Ebrahim S.; TWOROWSKA, Izabela  
**(74)** RnB IP

**(71)** Raytheon Company  
**(11)** AU-A-2021278963  
**(21)** 2021278963 **(22)** 16.04.2021  
**(54)** Sonobuoy volumetric array deployment module  
**(51)** Int. Cl.  
**G10K 11/00** ( 2006.01 )

**B63B 22/00** ( 2006.01 )  
**F03G 7/06** ( 2006.01 )  
**G01S 7/521** ( 2006.01 )  
**G01V 1/20** ( 2006.01 )  
**G01V 1/38** ( 2006.01 )  
**(87)** WO2021/242436  
**(31)** 16/884,637 **(32)** 27.05.20 **(33)** US  
**(43)** 02.12.2021  
**(72)** CARLSTEN, Curtis B.; KOEHLER, Frederick B.; GAUDETTE, Jason E.; WILLEY, Peter M.  
**(74)** Robert Finzi

**(71)** Readygo Diagnostics Limited  
**(11)** AU-A-2021255683  
**(21)** 2021255683 **(22)** 22.03.2021  
**(54)** Sampling device  
**(51)** Int. Cl.  
**A61B 10/00** ( 2006.01 )  
**B01L 3/00** ( 2006.01 )  
**G01N 1/02** ( 2006.01 )  
**(87)** WO2021/209228  
**(31)** 2005566.1 **(32)** 16.04.20 **(33)** GB  
2016949.6 26.10.20 GB  
**(43)** 21.10.2021  
**(72)** COBB, Ben  
**(74)** PHILLIPS ORMONDE FITZPATRICK

**(71)** Regeneron Pharmaceuticals, Inc.  
**(11)** AU-A-2021263487  
**(21)** 2021263487 **(22)** 30.04.2021  
**(54)** Neutralizing antibody assay for therapeutic proteins  
**(51)** Int. Cl.  
**G01N 33/564** ( 2006.01 )  
**G01N 33/68** ( 2006.01 )  
**(87)** WO2021/222711  
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**(72)** PARTRIDGE, Michael; IRVIN, Susan; RAJADHYAKSHA, Manoj; HERMANN, Aynur  
**(74)** PHILLIPS ORMONDE FITZPATRICK

**(71)** Renson Sunprotection-Screens NV  
**(11)** AU-A-2021260177  
**(21)** 2021260177 **(22)** 21.04.2021  
**(54)** Terrace canopy  
**(51)** Int. Cl.  
**E04B 1/00** ( 2006.01 )  
**E04D 13/064** ( 2006.01 )  
**E04F 10/00** ( 2006.01 )  
**(87)** WO2021/214671  
**(31)** BE2020/5264 **(32)** 21.04.20 **(33)** BE  
**(43)** 28.10.2021  
**(72)** DE FRENE, Joost; LEMIEGRE, Kristof; DE MEULEMEESTER, Lennart; BRABANT, Pieter; COLPAERT, Stijn; DE RYCKE, Thomas  
**(74)** AJ PARK

**(71)** Renson Sunprotection-Screens NV  
**(11)** AU-A-2021261741  
**(21)** 2021261741 **(22)** 21.04.2021  
**(54)** Terrace canopy

**(51)** Int. Cl.  
**E04F 10/00** ( 2006.01 )  
**(87)** WO2021/214673  
**(31)** 2020/5265 **(32)** 21.04.20 **(33)** BE  
**(43)** 28.10.2021  
**(72)** DE FRENE, Joost; LEMIEGRE, Kristof; DE MEULEMEESTER, Lennart; BRABANT, Pieter; DE RYCKE, Thomas  
**(74)** AJ PARK

**(71)** Repare Therapeutics Inc.  
**(11)** AU-A-2021250744  
**(21)** 2021250744 **(22)** 01.04.2021  
**(54)** Compounds, pharmaceutical compositions, and methods of preparing compounds and of their use  
**(51)** Int. Cl.  
**C07D 487/04** ( 2006.01 )  
**A61K 31/395** ( 2006.01 )  
**A61K 31/437** ( 2006.01 )  
**A61K 31/444** ( 2006.01 )  
**A61K 31/4545** ( 2006.01 )  
**A61K 31/4985** ( 2006.01 )  
**A61K 31/501** ( 2006.01 )  
**A61K 31/506** ( 2006.01 )  
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**C07D 471/04** ( 2006.01 )  
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**(74)** Pizeys Patent and Trade Mark Attorneys Pty Ltd

**(71)** Repertoire Immune Medicines, Inc.  
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**(54)** Barcodable exchangeable peptide-MHC multimer libraries  
**(51)** Int. Cl.  
**C07K 14/705** ( 2006.01 )  
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**(31)** 63/003,177 **(32)** 31.03.20 **(33)** US  
**(43)** 07.10.2021  
**(72)** YOSEFSON, Ohad; MALIA, Thomas; HAMEL, Andrew; SWAIN, Joanna; RO-SCOE, Benjamin; RASHIDIAN, Mohammad  
**(74)** WRAYS PTY LTD

**(71)** Research Development Foundation  
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**(21)** 2021266795 **(22)** 10.05.2021  
**(54)** Proteins and nucleic acids for ehrlichia diagnosis and vaccination  
**(51)** Int. Cl.  
**A61K 31/7105** ( 2006.01 )  
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 (54) Method and system for secure management of inventory and profile information  
 (51) Int. Cl.  
 G06Q 30/02 (2012.01)  
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 (54) Thermal energy storage system with zeolite  
 (51) Int. Cl.  
 H01M 10/625 (2014.01)  
 H01M 10/643 (2014.01)  
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 (72) MICHALAKOS, Peter M.; ROCKENFELLER, Uwe  
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 (21) 2021256382 (22) 23.03.2021  
 (54) Cooling system with thermal storage  
 (51) Int. Cl.  
 F28D 20/02 (2006.01)  
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 (54) Method and system for using sensor data from rehabilitation or exercise equipment to treat patients via telemedicine  
 (51) Int. Cl.  
 G16H 20/00 (2018.01)  
 A61B 34/00 (2016.01)  
 G06F 3/01 (2006.01)  
 G06N 20/00 (2019.01)  
 G16H 10/60 (2018.01)  
 G16H 20/30 (2018.01)  
 G16H 20/40 (2018.01)  
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 (54) An autonomous ground vehicle for solar module installation  
 (51) Int. Cl.  
 B25J 5/00 (2006.01)  
 B25J 5/02 (2006.01)  
 F24S 20/00 (2018.01)  
 F24S 50/20 (2018.01)  
 G01S 3/786 (2006.01)  
 H02S 50/00 (2014.01)  
 H02S 50/15 (2014.01)  
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 B60P 1/54 (2006.01)  
 B60P 3/14 (2006.01)  
 B65G 59/02 (2006.01)  
 B65G 67/24 (2006.01)  
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 A61K 39/12 (2006.01)  
 A61M 37/00 (2006.01)  
 A61P 31/14 (2006.01)  
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 (54) Modular aeration system  
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 A01F 25/22 (2006.01)  
 A01F 25/08 (2006.01)  
 B65D 88/74 (2006.01)  
 B65G 65/30 (2006.01)  
 F26B 21/00 (2006.01)  
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 (74) PHILLIPS ORMONDE FITZPATRICK
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- (71) Sanford Burnham Prebys Medical Discovery Institute  
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 (74) FB Rice Pty Ltd
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 (51) Int. Cl.  
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 (54) Treatment of conditions associated with thyroid hormone  
 (51) Int. Cl.  
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 (72) SCOTT III, Linzy O.  
 (74) Pizzey's Patent and Trade Mark Attorneys Pty Ltd
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 (51) Int. Cl.
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 (54) Combination therapy for inflammatory bowel disease  
 (51) Int. Cl.  
**A61K 35/747** ( 2015.01 )  
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**A61K 38/13** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**A61P 1/00** ( 2006.01 )  
**A61P 37/00** ( 2006.01 )  
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 (54) CD22-targeted chimeric antigen receptor, preparation method therefor and application thereof  
 (51) Int. Cl.  
**C07K 16/28** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07K 19/00** ( 2006.01 )  
**C12N 5/10** ( 2006.01 )  
**C12N 15/13** ( 2006.01 )  
**C12N 15/62** ( 2006.01 )  
**C12N 15/867** ( 2006.01 )  
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**A61K 47/10** ( 2017.01 )  
**A61K 47/14** ( 2017.01 )  
**A61P 31/02** ( 2006.01 )  
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 (51) Int. Cl.  
**B61L 27/00** ( 2022.01 )  
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 (31) 10 2020 205 348.0 (32) 28.04.20 (33) DE  
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 (72) BLUM, Karsten; SAUTER, Witali  
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 (51) Int. Cl.  
**B01D 53/14** ( 2006.01 )  
**B01D 53/62** ( 2006.01 )  
**F23J 15/04** ( 2006.01 )  
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 (51) Int. Cl.  
**G06Q 30/02** ( 2012.01 )  
**A47C 31/00** ( 2006.01 )  
**G01L 15/00** ( 2006.01 )  
**G06N 3/02** ( 2006.01 )  
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 (21) 2021294753 (22) 04.06.2021  
 (54) Roasting and processing apparatus for coffee beans  
 (51) Int. Cl.  
**A47J 31/42** ( 2006.01 )  
**A23N 12/08** ( 2006.01 )  
**A47J 42/52** ( 2006.01 )  
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 (72) SODER, Stephan  
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 (74) Griffith Hack

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 (54) Grinding and extraction apparatus for coffee beans  
 (51) Int. Cl.  
 A47J 31/44 (2006.01)  
 A47J 31/40 (2006.01)  
 A47J 31/52 (2006.01)  
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 (21) 2021257642 (22) 18.03.2021  
 (54) Method for optimizing power production in photovoltaic modules  
 (51) Int. Cl.  
 H02S 20/32 (2014.01)  
 G06F 30/20 (2020.01)  
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 (31) 20169483.3 (32) 14.04.20 (33) EP  
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 (72) GUERRERO PÉREZ, Javier  
 (74) WRAYS PTY LTD

(71) Staedtler Mars GmbH & Co. KG  
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 (54) Modeling material and method for the production thereof  
 (51) Int. Cl.  
 C08K 5/00 (2006.01)  
 B44C 3/04 (2006.01)  
 C08J 3/18 (2006.01)  
 C08K 5/11 (2006.01)  
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 (54) Roasting and grinding apparatus for coffee beans  
 (51) Int. Cl.  
 A47J 42/40 (2006.01)  
 A47J 31/44 (2006.01)  
 A47J 31/52 (2006.01)  
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 (72) AIT BOUZIAD, Youcef; YOAKIM, Alfred  
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(71) Southwest Research Institute  
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 (21) 2021253701 (22) 09.04.2021  
 (54) Three-dimensional bioreactor for viral vector production  
 (51) Int. Cl.  
 C12N 5/02 (2006.01)  
 C12M 1/00 (2006.01)  
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 (72) LING, Jian  
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 (54) Particle settling devices  
 (51) Int. Cl.  
 B04C 5/103 (2006.01)  
 B01D 21/26 (2006.01)  
 C02F 1/38 (2006.01)  
 C07K 1/14 (2006.01)  
 C12N 1/02 (2006.01)  
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 (72) KOMPALA, Dhinakar S.; SMITH, Braden L.  
 (74) Madderns Pty Ltd

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 (54) Dispensing and preparation apparatus for powdered food or beverage products  
 (51) Int. Cl.  
 A47J 42/40 (2006.01)  
 A47J 31/44 (2006.01)  
 A47J 31/52 (2006.01)  
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 (72) AIT BOUZIAD, Youcef  
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 (54) Antibody-drug conjugates  
 (51) Int. Cl.  
 A61K 47/59 (2017.01)  
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 A61K 47/64 (2017.01)  
 A61K 47/65 (2017.01)  
 A61K 47/68 (2017.01)  
 A61P 35/00 (2006.01)  
 C07K 16/30 (2006.01)  
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 (74) Catalyst Intellectual Property

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 (72) YUN, Ping; CUI, Xin; XU, Jun  
 (74) FB Rice Pty Ltd

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 (54) Device to protect water pipe from frozen water expansion  
 (51) Int. Cl.  
 F16L 55/05 (2006.01)  
 E03B 7/10 (2006.01)  
 F16L 55/053 (2006.01)  
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(71) Staedtler Mars GmbH & Co. KG  
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 (54) Method for producing a molding compound  
 (51) Int. Cl.  
 C08J 3/18 (2006.01)  
 (87) WO2021/223907  
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(71) Suntory Holdings Limited  
 (11) AU-A-2021247800  
 (21) 2021247800 (22) 26.03.2021  
 (54) Agent for inhibiting reduction of decomposition of modified elastin, agent for maintaining normal elastic fibers, agent for inhibiting formation of elastin-elafin complex, and composition containing said agents  
 (51) Int. Cl.  
 A61K 31/7004 (2006.01)  
 A61P 17/00 (2006.01)  
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(21) 2021285294 (22) 05.05.2021  
(54) Apparatus for managing online game, method and system therefor  
(51) Int. Cl.  
A63F 13/358 (2014.01)  
A63F 13/795 (2014.01)  
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(74) Collison & Co
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(54) Polypeptide albumin nanoparticle, preparation method therefor, and application thereof  
(51) Int. Cl.  
A61K 47/42 (2017.01)  
A61K 9/51 (2006.01)  
A61P 35/00 (2006.01)  
B82Y 40/00 (2011.01)  
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- (71) Svenska Vaccinfabriken Produktion AB  
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(21) 2021244684 (22) 24.03.2021  
(54) Compositions and methods for treating and preventing coronaviruses  
(51) Int. Cl.  
A61K 39/12 (2006.01)  
A61P 11/00 (2006.01)  
A61P 31/14 (2006.01)  
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(74) Davies Collison Cave Pty Ltd
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- (71) SWIMC LLC  
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(54) Modular toolbox designed and organized for painting tools  
(51) Int. Cl.  
B44D 3/00 (2006.01)  
B44D 3/04 (2006.01)
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- (71) Syngenta Crop Protection AG; Institut National de Recherche pour l'Agriculture, l'Alimentation et l'Environnement; Université Cote d'Azur; Centre National de la Recherche Scientifique  
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(54) Plants with improved nematode resistance  
(51) Int. Cl.  
A01H 6/82 (2018.01)  
C07K 14/415 (2006.01)  
C12N 15/82 (2006.01)  
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(74) Davies Collison Cave Pty Ltd
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(54) Method for early detection, prediction of treatment response and prognosis of colorectal cancer  
(51) Int. Cl.  
C12Q 1/6886 (2018.01)  
(87) WO2021/222621  
(31) 63/017,309 (32) 29.04.20 (33) US  
(43) 04.11.2021  
(72) LIN, Ruo-Kai; HUNG, Chin-Sheng; WANG, Sheng-Chao; LIN, Shih-Yun  
(74) Spruson & Ferguson
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- (71) Takeda Pharmaceutical Company Limited  
(11) AU-A-2021248326  
(21) 2021248326 (22) 02.04.2021  
(54) Subcutaneous port with locking member  
(51) Int. Cl.  
A61M 39/02 (2006.01)  
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(31) 63/004,142 (32) 02.04.20 (33) US  
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(74) Davies Collison Cave Pty Ltd
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(51) Int. Cl.  
E04B 1/94 (2006.01)
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(72) BERLEE, Anthonie Bernardus  
(74) Griffith Hack
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(21) 2021242887 (22) 22.02.2021  
(54) Stitched reinforcing-fiber base material, preform material, fiber-reinforced composite material, and production method for stitched reinforcing-fiber base material, preform material, and fiber-reinforced composite material  
(51) Int. Cl.  
D04H 3/04 (2012.01)  
B29B 11/16 (2006.01)  
B32B 5/26 (2006.01)  
B29K 105/10 (2006.01)  
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(74) Davies Collison Cave Pty Ltd
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(11) AU-A-2021255340  
(21) 2021255340 (22) 13.04.2021  
(54) Dialysate regenerator and system comprising the same  
(51) Int. Cl.  
A61M 1/16 (2006.01)  
A61M 1/28 (2006.01)  
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(31) 10202003361W (32) 13.04.20 (33) SG  
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(11) AU-A-2021259852  
(21) 2021259852 (22) 23.04.2021  
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(51) Int. Cl.  
A61K 31/198 (2006.01)  
A61K 45/06 (2006.01)  
A61P 1/16 (2006.01)  
C07C 229/08 (2006.01)  
C07C 229/26 (2006.01)  
G01N 33/50 (2006.01)  
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 (54) TCR/BCR profiling  
 (51) Int. Cl.  
 C12Q 1/68 (2018.01)  
 A61K 35/17 (2015.01)  
 C07K 14/705 (2006.01)  
 C07K 14/725 (2006.01)  
 C07K 16/30 (2006.01)  
 C12Q 1/6869 (2018.01)  
 C12Q 1/6874 (2018.01)  
 G16B 30/20 (2019.01)  
 (87) WO2021/217181  
 (31) 63/013,130 (32) 21.04.20 (33) US  
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- (71) Terapet SA  
 (11) AU-A-2021256735  
 (21) 2021256735 (22) 14.04.2021  
 (54) Gamma ray detection system and calibration method thereof  
 (51) Int. Cl.  
 G01T 1/29 (2006.01)  
 G01T 7/00 (2006.01)  
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 (31) 20170017.6 (32) 17.04.20 (33) EP  
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 (72) PALM, Marcus; VALLGREN, Christina  
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 (11) AU-A-2021261373  
 (21) 2021261373 (22) 22.04.2021  
 (54) Microfluidic chips and microphysiological systems using the same  
 (51) Int. Cl.  
 B01L 3/00 (2006.01)  
 B01J 19/00 (2006.01)  
 C12M 1/00 (2006.01)  
 C12M 3/00 (2006.01)  
 C12M 3/06 (2006.01)  
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 (72) LEE, Wonjae  
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 (21) 2021252432 (22) 08.04.2021
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 (51) Int. Cl.  
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 A61P 31/04 (2006.01)  
 A61P 31/10 (2006.01)  
 A61P 31/12 (2006.01)  
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 (54) Exfoliation bar for shaving razor  
 (51) Int. Cl.  
 B26B 21/40 (2006.01)  
 (87) WO2021/236699  
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 (21) 2021236681 (22) 18.03.2021  
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 (51) Int. Cl.  
 C12Q 1/70 (2006.01)  
 C12N 9/22 (2006.01)  
 C12N 15/113 (2010.01)  
 G01N 33/50 (2006.01)  
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 (31) 62/991,827 (32) 19.03.20 (33) US  
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- (71) The Medical College of Wisconsin, Inc.  
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 (54) Aerosolized formulations of HIV protease inhibitors for the treatment of airway reflux  
 (51) Int. Cl.  
 A61K 38/02 (2006.01)  
 A61K 31/00 (2006.01)  
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 (31) 63/011,039 (32) 16.04.20 (33) US
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 (72) JOHNSTON, Nikki  
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 (21) 2021254751 (22) 14.04.2021  
 (54) Compositions and methods for targeted therapeutic delivery to bone  
 (51) Int. Cl.  
 A61K 38/18 (2006.01)  
 A61K 38/02 (2006.01)  
 A61K 38/03 (2006.01)  
 A61K 38/16 (2006.01)  
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 (31) 63/010,639 (32) 15.04.20 (33) US  
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 (21) 2021246485 (22) 31.03.2021  
 (54) Immunotheranostic agent targeting mesenchymal stem cell-derived cancer cells and mesenchymal stem cell associated disease  
 (51) Int. Cl.  
 A61K 38/07 (2006.01)  
 A61P 35/00 (2006.01)  
 C07K 16/28 (2006.01)  
 C07K 16/30 (2006.01)  
 (87) WO2021/202642  
 (31) 63/003,598 (32) 01.04.20 (33) US  
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 (11) AU-A-2021254768  
 (21) 2021254768 (22) 14.04.2021  
 (54) Large sequence pan-Coronavirus vaccine compositions  
 (51) Int. Cl.  
 A61K 39/215 (2006.01)  
 A61P 31/14 (2006.01)  
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 (72) BENMOHAMED, Lbakhir  
 (74) KINGS PATENT & TRADE MARKS ATTORNEYS PTY LTD
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- (71) The Regents of the University of California  
 (11) AU-A-2021262770  
 (21) 2021262770 (22) 27.04.2021  
 (54) Methods for generating thymic cells in vitro  
 (51) Int. Cl.

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**C12N 5/00** ( 2006.01 )  
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**(43)** 04.11.2021  
**(72)** PARENT, Audrey; HEBROK, Matthias;  
 ANDERSON, Mark Stuart  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** The Rocket Science Group LLC  
**(11)** AU-A-2021270749  
**(21)** 2021270749 **(22)** 10.05.2021  
**(54)** Generating and modifying content using  
 data structures  
**(51)** Int. Cl.  
**G06F 15/00** ( 2006.01 )  
**G06N 3/00** ( 2006.01 )  
**G09G 5/00** ( 2006.01 )  
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**(31)** 63/022,460 **(32)** 09.05.20 **(33)** US  
**(43)** 18.11.2021  
**(72)** DAILY, Bradley Stephen; DAVIDSON,  
 Jacob; HERCULES, Lara Adrian;  
 COLEMAN, Stephanie; KELLY, Alexan-  
 dra Grace; UNG, Natalie Irene  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** The Trustees of Columbia University  
 in the City of New York; William Marsh  
 Rice University  
**(11)** AU-A-2021256895  
**(21)** 2021256895 **(22)** 19.04.2021  
**(54)** Methods, compositions and uses there-  
 of for reversing sacropenia  
**(51)** Int. Cl.  
**A61K 38/22** ( 2006.01 )  
**A61K 38/00** ( 2006.01 )  
**A61P 21/00** ( 2006.01 )  
**C07K 14/575** ( 2006.01 )  
**(87)** WO2021/212100  
**(31)** 63/011,956 **(32)** 17.04.20 **(33)** US  
**(43)** 21.10.2021  
**(72)** KARSENTY, Gerard; BERGER, Julian;  
 XIAO, Han  
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 Pennsylvania  
**(11)** AU-A-2021258264  
**(21)** 2021258264 **(22)** 23.04.2021  
**(54)** Digital fluid teleportation, advanced bio-  
 logical virtualization, and large scale in-  
 tegration of organ-on-chips and micro-  
 physiological models  
**(51)** Int. Cl.  
**C12M 3/00** ( 2006.01 )  
**C12M 3/02** ( 2006.01 )  
**C12M 3/04** ( 2006.01 )  
**(87)** WO2021/216955  
**(31)** 63/015,242 **(32)** 24.04.20 **(33)** US  
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**(72)** HUH, Dongeun; GEORGESCU, Andrei  
**(74)** Spruson & Ferguson
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- (71)** The University of Sydney  
**(11)** AU-A-2021250464  
**(21)** 2021250464 **(22)** 31.03.2021  
**(54)** Aligned fibres and a method of making  
 the same  
**(51)** Int. Cl.  
**C22C 47/02** ( 2006.01 )  
**B29C 70/10** ( 2006.01 )  
**(87)** WO2021/195701  
**(31)** 2020900983 **(32)** 31.03.20 **(33)** AU  
**(43)** 07.10.2021  
**(72)** HADIGHEH, Seyed Ali  
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- (71)** Think Surgical, Inc.  
**(11)** AU-A-2021254424  
**(21)** 2021254424 **(22)** 08.04.2021  
**(54)** Digitizer calibration check  
**(51)** Int. Cl.  
**A61B 34/20** ( 2016.01 )  
**A61B 17/00** ( 2006.01 )  
**A61B 34/30** ( 2016.01 )  
**A61F 2/46** ( 2006.01 )  
**(87)** WO2021/207471  
**(31)** 63/006,765 **(32)** 08.04.20 **(33)** US  
**(43)** 14.10.2021  
**(72)** HENDERSON, Steve; BONNY, Daniel  
 P.  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** THX Ltd.  
**(11)** AU-A-2021258825  
**(21)** 2021258825 **(22)** 05.04.2021  
**(54)** Acoustic crosstalk cancellation and vir-  
 tual speakers techniques  
**(51)** Int. Cl.  
**H04S 5/00** ( 2006.01 )  
**H04R 5/00** ( 2006.01 )  
**H04R 5/04** ( 2006.01 )  
**H04S 1/00** ( 2006.01 )  
**(87)** WO2021/216274  
**(31)** 16/857,033 **(32)** 23.04.20 **(33)** US  
**(43)** 28.10.2021  
**(72)** GRAY, Russell  
**(74)** Spruson & Ferguson
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**(11)** AU-A-2021276247  
**(21)** 2021276247 **(22)** 14.05.2021  
**(54)** Handling and tracking of biological spe-  
 cimens for cryogenic storage  
**(51)** Int. Cl.  
**G16B 99/00** ( 2019.01 )  
**A01N 1/02** ( 2006.01 )  
**G16H 70/00** ( 2018.01 )  
**(87)** WO2021/236463  
**(31)** 63/026,526 **(32)** 18.05.20 **(33)** US  
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**(72)** BIXON, Brian; GO, Kathryn; GUPTA,  
 Amit; HARLOW, Benjamin; MURRAY,  
 Alan; SHARP, Tim  
**(74)** FORWARD INTELLECTUAL PROP-  
 ERTY PTY LTD
- 
- (71)** Toko Yakuhin Kogyo Co., Ltd.; Japan as  
 represented by Director General of Na-  
 tional Institute of Infectious Diseases  
**(11)** AU-A-2021242058  
**(21)** 2021242058 **(22)** 22.03.2021  
**(54)** Method for creating multimeric IgA an-  
 tibody, and multispecific multimeric IgA  
 antibody  
**(51)** Int. Cl.  
**C07K 1/00** ( 2006.01 )  
**A61K 38/02** ( 2006.01 )  
**A61K 38/06** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**A61P 31/16** ( 2006.01 )  
**C07K 1/14** ( 2006.01 )  
**C07K 16/00** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )  
**C07K 16/46** ( 2006.01 )  
**C12N 15/12** ( 2006.01 )  
**C12N 15/62** ( 2006.01 )  
**(87)** WO2021/193553  
**(31)** 2020-051139 **(32)** 23.03.20 **(33)** JP  
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**(72)** KAMISHITA, Taizou; TABATA, Koshiro;  
 SUZUKI, Tadaki; HASEGAWA, Hideki  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** Toray Industries, Inc.  
**(11)** AU-A-2021249727  
**(21)** 2021249727 **(22)** 01.02.2021  
**(54)** Lower-limb orthotic device  
**(51)** Int. Cl.  
**A61H 3/00** ( 2006.01 )  
**A61F 5/01** ( 2006.01 )  
**(87)** WO2021/199648  
**(31)** 2020-061721 **(32)** 31.03.20 **(33)** JP  
**(43)** 07.10.2021  
**(72)** CHEN, Yao; YAMADA, Satoshi; SU-  
 ZUKI, Hidetoshi; OHATA, Koji  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** Turtle Bear Holdings, LLC  
**(11)** AU-A-2021246519  
**(21)** 2021246519 **(22)** 02.04.2021  
**(54)** Compositions and methods for modu-  
 lating inflammatory response  
**(51)** Int. Cl.  
**A61K 36/06** ( 2006.01 )  
**A61K 36/07** ( 2006.01 )  
**A61P 1/00** ( 2006.01 )  
**A61P 3/00** ( 2006.01 )  
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**(31)** 63/004,788 **(32)** 03.04.20 **(33)** US  
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**(72)** STAMETS, Paul E.  
**(74)** Griffith Hack
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- (71)** UCL Business Ltd  
**(11)** AU-A-2021254852  
**(21)** 2021254852 **(22)** 19.04.2021  
**(54)** Gene therapy for Bardet-Biedl syn-  
 drome  
**(51)** Int. Cl.  
**C12N 15/86** ( 2006.01 )  
**A61K 38/00** ( 2006.01 )  
**A61K 48/00** ( 2006.01 )  
**C07K 14/47** ( 2006.01 )  
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**(31)** 2005641.2 **(32)** 17.04.20 **(33)** GB  
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Monica  
**(74)** Chapman Tripp Patents Limited
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- (71)** Ueckert, G.  
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**(21)** 2021261375 **(22)** 22.04.2021  
**(54)** User-customizable orthopedic alignment device with alignment gap  
**(51)** Int. Cl.  
**A61C 9/00** ( 2006.01 )  
**A61C 7/08** ( 2006.01 )  
**A61C 7/36** ( 2006.01 )  
**A61C 19/05** ( 2006.01 )  
**A61F 5/058** ( 2006.01 )  
**A61F 5/56** ( 2006.01 )  
**A63B 71/08** ( 2006.01 )  
**(87)** WO2021/216858  
**(31)** 16/856,963 **(32)** 23.04.20 **(33)** US  
**(43)** 28.10.2021  
**(72)** UECKERT, Gregg Edward  
**(74)** Spruson & Ferguson
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- (71)** Unilever Global IP Limited  
**(11)** AU-A-2021263795  
**(21)** 2021263795 **(22)** 19.04.2021  
**(54)** Aerosol composition and method for sanitisation  
**(51)** Int. Cl.  
**A01N 31/02** ( 2006.01 )  
**A01N 25/06** ( 2006.01 )  
**A01P 1/00** ( 2006.01 )  
**A61K 8/34** ( 2006.01 )  
**A61K 9/12** ( 2006.01 )  
**A61L 2/00** ( 2006.01 )  
**A61L 2/18** ( 2006.01 )  
**A61L 2/22** ( 2006.01 )  
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**(31)** 202021018491 **(32)** 30.04.20 **(33)** IN  
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**(72)** BIGARAN, Luciane Cristina;  
COLACIOPPO, Cintia Lucia;  
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RARES, Fabricio Henrique; SAYYED,  
Jabir Gulab  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** Unilever IP Holdings B.V.  
**(11)** AU-A-2021263867  
**(21)** 2021263867 **(22)** 23.04.2021  
**(54)** Process for the preparation of a flavouring  
**(51)** Int. Cl.  
**A23L 27/20** ( 2016.01 )  
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**A23L 27/26** ( 2016.01 )  
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**(72)** KOEK, Jean Hypolites  
**(74)** Davies Collison Cave Pty Ltd
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**(11)** AU-A-2021254258  
**(21)** 2021254258 **(22)** 09.04.2021  
**(54)** Flexible nonmetallic electrode  
**(51)** Int. Cl.  
**A61B 5/263** ( 2021.01 )  
**H01B 1/24** ( 2006.01 )  
**H01M 4/62** ( 2006.01 )  
**(87)** WO2021/207594  
**(31)** 63/007,596 **(32)** 09.04.20 **(33)** US  
**(43)** 14.10.2021  
**(72)** ZORMAN, Christian A.; BOGIE, Kath M.; SESHADRI, Dhruv; SRIGIRI, Medha  
**(74)** FPA Patent Attorneys Pty Ltd
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- (71)** Universität Duisburg-Essen  
**(11)** AU-A-2021261531  
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**(54)** Interferon alpha 2 variants and uses thereof  
**(51)** Int. Cl.  
**C07K 14/56** ( 2006.01 )  
**A61P 31/12** ( 2006.01 )  
**(87)** WO2021/214054  
**(31)** 20170651.2 **(32)** 21.04.20 **(33)** EP  
**(43)** 28.10.2021  
**(72)** DITTMER, Ulf; SUTTER, Kathrin; TRILLING, Mirko  
**(74)** FB Rice Pty Ltd
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- (71)** Universitätsspital Basel  
**(11)** AU-A-2021257754  
**(21)** 2021257754 **(22)** 08.04.2021  
**(54)** LSD dose identification  
**(51)** Int. Cl.  
**A61K 31/13** ( 2006.01 )  
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**(72)** LIECHTI, Matthias Emanuel; HOLZE, Friederike Sophie  
**(74)** FPA Patent Attorneys Pty Ltd
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- (71)** University of Florida Research Foundation, Inc.; Entrinsic, Inc.  
**(11)** AU-A-2021280328  
**(21)** 2021280328 **(22)** 28.05.2021  
**(54)** Formulations and methods for treating acute respiratory distress syndrome, asthma, or allergic rhinitis  
**(51)** Int. Cl.  
**A61K 9/00** ( 2006.01 )  
**A61K 31/198** ( 2006.01 )  
**A61K 31/405** ( 2006.01 )  
**A61P 11/06** ( 2006.01 )  
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**(72)** VIDYASAGAR, Sadasivan; GROSCHE, Astrid; XU, Xiaodong; ANGOLI, Damiano; GATTO, Stephen J.  
**(74)** Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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- (71)** University of Florida Research Foundation, Inc.; Entrinsic, Inc.  
**(11)** AU-A-2021284284  
**(21)** 2021284284 **(22)** 02.06.2021  
**(54)** Formulations and methods for treating diarrhea  
**(51)** Int. Cl.  
**A61K 36/47** ( 2006.01 )  
**A61K 31/353** ( 2006.01 )  
**A61K 35/74** ( 2015.01 )  
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**(43)** 09.12.2021  
**(72)** VIDYASAGAR, Sadasivan; GROSCHE, Astrid; XU, Xiaodong; LIN, Shanshan; GATTO, Stephen; KENEFICK, Robert; CHEUVRON, Samuel  
**(74)** Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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- (71)** University of Pittsburgh - of the Commonwealth System of Higher Education  
**(11)** AU-A-2021270844  
**(21)** 2021270844 **(22)** 11.05.2021  
**(54)** Rcom protein based carbon monoxide scavengers and preparations for the treatment of carbon monoxide poisoning  
**(51)** Int. Cl.  
**C01B 32/40** ( 2017.01 )  
**C01C 3/08** ( 2006.01 )  
**C07K 14/795** ( 2006.01 )  
**C07K 14/805** ( 2006.01 )  
**(87)** WO2021/231370  
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**(43)** 18.11.2021  
**(72)** ROSE, Jason J.; DEMARTINO, Anthony W.; TEJERO BRAVO, Jesus; GLADWIN, Mark Thomas; DENT, Matthew R.  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** UPL Corporation Limited; UPL Europe Ltd.  
**(11)** AU-A-2021258572  
**(21)** 2021258572 **(22)** 21.04.2021  
**(54)** Laminarin based formulation for agricultural applications  
**(51)** Int. Cl.  
**A01N 25/10** ( 2006.01 )  
**A01N 59/02** ( 2006.01 )  
**A01N 59/20** ( 2006.01 )  
**A01P 3/00** ( 2006.01 )  
**(87)** WO2021/214684  
**(31)** 202011017328 **(32)** 22.04.20 **(33)** IN  
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**(72)** LECOLLINET, Gregory; PIROTTE, Alan Bruno  
**(74)** Churchill Attorneys

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(21) 2021236978 (22) 19.03.2021	63/037,984	11.06.20	US	<b>A61P 31/22</b> ( 2006.01 )
(54) An agrochemical composition	63/040,224	17.06.20	US	(87) WO2021/211660
(51) Int. Cl.	63/040,246	17.06.20	US	(31) 63/009,714 (32) 14.04.20 (33) US
<b>A01N 43/653</b> ( 2006.01 )	63/142,196	27.01.21	US	(43) 21.10.2021
<b>A01N 25/12</b> ( 2006.01 )	63/161,890	16.03.21	US	(72) NOVAK, Peter; TEMNIKOV, Maxim;
<b>A01N 43/707</b> ( 2006.01 )	(43) 30.09.2021			BALAKIN, Oleksandr
<b>C07D 249/12</b> ( 2006.01 )	(72) CROWE Jr., James E.; ZOST, Seth;			(74) Spruson & Ferguson
<b>C07D 251/38</b> ( 2006.01 )	CARNAHAN, Robert; GILCHUK, Pavlo			
<b>C07D 251/46</b> ( 2006.01 )	(74) PHILLIPS ORMONDE FITZPATRICK			
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(31) 202021012142 (32) 20.03.20 (33) IN	(11) AU-A-2021259841			(11) AU-A-2021252991
(43) 23.09.2021	(21) 2021259841 (22) 23.04.2021			(21) 2021252991 (22) 09.04.2021
(72) DESAI, Sujata Dhondiram; JADHAV, Prakash Mahadeo	(54) Condensed substituted hydropyrroles as antagonists of the muscarinic acetylcholine receptor M4			(54) Base editing of ANGPTL3 and methods of using same for treatment of disease
(74) Churchill Attorneys	(51) Int. Cl.			(51) Int. Cl.
	<b>C07D 405/14</b> ( 2006.01 )			<b>C12N 15/11</b> ( 2006.01 )
	<b>A61K 31/403</b> ( 2006.01 )			<b>A61K 48/00</b> ( 2006.01 )
	<b>A61P 25/00</b> ( 2006.01 )			<b>C07H 21/04</b> ( 2006.01 )
	<b>C07D 401/14</b> ( 2006.01 )			<b>C12N 15/00</b> ( 2006.01 )
	<b>C07D 403/12</b> ( 2006.01 )			<b>C12N 15/82</b> ( 2006.01 )
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(87) WO2021/216949	(87) WO2021/216949			(43) 14.10.2021
(31) 63/015,248 (32) 24.04.20 (33) US	(31) 63/015,248 (32) 24.04.20 (33) US			(72) CHADWICK, Alexandra; RAJEEV, Kallanthottathil G.; ROHDE, Ellen; CHENG, Christopher; REISS, Caroline
(43) 28.10.2021	(43) 28.10.2021			(74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
(72) LINDSLEY, Craig W.; CONN, P. Jeffrey; ENGERS, Darren W.; BENDER, Aaron M.; HAN, Changho	(72) LINDSLEY, Craig W.; CONN, P. Jeffrey; ENGERS, Darren W.; BENDER, Aaron M.; HAN, Changho			
(74) Griffith Hack	(74) Griffith Hack			
(71) Valmont Industries, Inc.	(71) Vanderbilt University			(71) Verve Therapeutics, Inc.
(11) AU-A-2021267316	(11) AU-A-2021261002			(11) AU-A-2021253959
(21) 2021267316 (22) 28.04.2021	(21) 2021261002 (22) 23.04.2021			(21) 2021253959 (22) 09.04.2021
(54) Method and apparatus of providing energy absorption for vibration dampening in one or more planes	(54) Condensed substituted hydropyrroles as antagonists of the muscarinic acetylcholine receptor m4			(54) Base editing of PCSK9 and methods of using same for treatment of disease
(51) Int. Cl.	(51) Int. Cl.			(51) Int. Cl.
<b>E02D 31/08</b> ( 2006.01 )	<b>C07D 405/14</b> ( 2006.01 )			<b>A61K 48/00</b> ( 2006.01 )
<b>E04B 1/98</b> ( 2006.01 )	<b>A61K 31/403</b> ( 2006.01 )			<b>C07H 21/04</b> ( 2006.01 )
<b>F21V 15/04</b> ( 2006.01 )	<b>A61P 25/00</b> ( 2006.01 )			<b>C12N 15/00</b> ( 2006.01 )
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(31) 63/021,770 (32) 08.05.20 (33) US	<b>C07D 491/08</b> ( 2006.01 )			(87) WO2021/207712
(43) 11.11.2021	(87) WO2021/216951			(31) 63/007,803 (32) 09.04.20 (33) US
(72) MACCHIETTO, Carl J.	(31) 63/015,306 (32) 24.04.20 (33) US			63/007,797 09.04.20 US
(74) James & Wells Intellectual Property	(43) 28.10.2021			63/045,032 26.06.20 US
	(72) LINDSLEY, Craig W.; HAN, Changho; CONN, Jeffrey P.; CARTER, Trevor R.; BENDER, Aaron M.; ENGERS, Darren W.; SPOCK, Matthew			63/136,087 11.01.21 US
	(74) Griffith Hack			(43) 14.10.2021
				(72) CHADWICK, Alexandra; RAJEEV, Kallanthottathil G.; ROHDE, Ellen; CHENG, Christopher; REISS, Caroline
				(74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
(71) Vanderbilt University	(71) Vector Vitale IP LLC			(71) Vestaron Corporation
(11) AU-A-2021242306	(11) AU-A-2021255924			(11) AU-A-2021260878
(21) 2021242306 (22) 25.03.2021	(21) 2021255924 (22) 14.04.2021			(21) 2021260878 (22) 20.04.2021
(54) Human monoclonal antibodies to severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2)	(54) Method of preventing or treating viral infections			(54) Proteolytically stable U1-agatoxin-Ta1b variant polypeptides for pest control
(51) Int. Cl.	(51) Int. Cl.			(51) Int. Cl.
<b>C07K 16/10</b> ( 2006.01 )	<b>A61K 33/30</b> ( 2006.01 )			<b>C07K 14/435</b> ( 2006.01 )
<b>A61K 39/00</b> ( 2006.01 )	<b>A61P 31/12</b> ( 2006.01 )			<b>A01N 63/50</b> ( 2020.01 )
<b>G01N 33/569</b> ( 2006.01 )	<b>A61P 31/14</b> ( 2006.01 )			<b>A01N 65/00</b> ( 2009.01 )
<b>G01N 33/577</b> ( 2006.01 )	<b>A61P 31/16</b> ( 2006.01 )			(87) WO2021/216621
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 (74) Davies Collison Cave Pty Ltd
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- (71) ViroGates A/S; Copenhagen University Hospital Amager and Hvidovre  
 (11) AU-A-2021253637  
 (21) 2021253637 (22) 07.04.2021  
 (54) SARS-CoV-2 infection risk assessment method  
 (51) Int. Cl.  
**G01N 33/68** ( 2006.01 )  
**G16H 50/30** ( 2018.01 )  
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 (31) 2005232.0 (32) 08.04.20 (33) GB  
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 (72) EUGEN-OLSEN, Jesper; ANDERSEN, Ove  
 (74) WRAYS PTY LTD
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- (71) Vlepis Solutions Pty Ltd  
 (11) AU-A-2021242797  
 (21) 2021242797 (22) 25.03.2021  
 (54) Devices, systems and methods for monitoring physiological characteristics of a patient  
 (51) Int. Cl.  
**A61B 5/257** ( 2021.01 )  
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 (74) Jones Tulloch
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- (71) Walker, R.  
 (11) AU-A-2021289355  
 (21) 2021289355 (22) 08.06.2021  
 (54) Apparatus and method for charging electric vehicles  
 (51) Int. Cl.  
**B60L 53/30** ( 2019.01 )  
**H02G 3/18** ( 2006.01 )  
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 (72) WALKER, Rodney Alexander  
 (74) Davies Collison Cave Pty Ltd
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- (71) Wassef, M.  
 (11) AU-A-2021246750  
 (21) 2021246750 (22) 31.03.2021  
 (54) Endosteal horizontally placed dental implant system and method  
 (51) Int. Cl.  
**A61C 8/00** ( 2006.01 )  
**A61C 1/08** ( 2006.01 )  
**A61C 8/02** ( 2006.01 )  
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 (31) 63/004,451 (32) 02.04.20 (33) US  
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 (72) WASSEF, Michael  
 (74) FPA Patent Attorneys Pty Ltd
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 (11) AU-A-2021244693  
 (21) 2021244693 (22) 25.03.2021  
 (54) Highly dense array of photovoltaic modules  
 (51) Int. Cl.  
**H02S 20/10** ( 2014.01 )  
**E02D 17/20** ( 2006.01 )  
**H01L 31/0475** ( 2014.01 )  
**H02J 3/38** ( 2006.01 )  
**H02S 30/00** ( 2014.01 )  
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 (72) AYERS, Michael R.; EHMAN, S. Kyle  
 (74) Patent Attorney Services
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 (11) AU-A-2021277407  
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 (54) Oligonucleotide compositions and methods thereof  
 (51) Int. Cl.  
**C07F 9/6561** ( 2006.01 )  
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 (74) FPA Patent Attorneys Pty Ltd
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 (11) AU-A-2021236742  
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 (54) Systems and methods for analyzing, interpreting, and acting on continuous glucose monitoring data  
 (51) Int. Cl.  
**G16H 50/20** ( 2018.01 )  
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 (74) AJ PARK
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 (11) AU-A-2021252160  
 (21) 2021252160 (22) 08.04.2021  
 (54) Device for desalination by liquid water jet compression  
 (51) Int. Cl.  
**F28D 20/02** ( 2006.01 )  
**B01D 1/20** ( 2006.01 )
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 (31) U202030617 (32) 08.04.20 (33) ES  
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 (72) NOMEN CALVET, Juan Eusebio; HANGANU, Dan Alexandru  
 (74) AJ PARK
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- (71) Wisconsin Alumni Research Foundation  
 (11) AU-A-2021392062  
 (21) 2021392062 (22) 12.05.2021  
 (54) Method for carbon dioxide capture and sequestration using alkaline industrial wastes  
 (51) Int. Cl.  
**B01D 53/62** ( 2006.01 )  
**B01D 53/78** ( 2006.01 )  
**B01D 53/96** ( 2006.01 )  
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 (72) WANG, Bu; RAGIPANI, Raghavendra  
 (74) RnB IP Pty Ltd
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 (54) Regulation method and regulation device for converter of wind turbine generator in wind power plant  
 (51) Int. Cl.  
**H02J 3/44** ( 2006.01 )  
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**H02J 3/38** ( 2006.01 )  
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 (72) JIANG, Zhongchuan; AISIKAER  
 (74) Madderns Pty Ltd
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- (71) Xylem Europe GmbH  
 (11) AU-A-2021236277  
 (21) 2021236277 (22) 10.03.2021  
 (54) Guide bar assembly  
 (51) Int. Cl.  
**B01F 27/25** ( 2022.01 )  
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 (31) 202031010308 (32) 11.03.20 (33) IN  
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 (72) PATEL, Pruthvish; RAICHLE, Philipp; HORROCKS, Richard; THAKER, Nirav  
 (74) Davies Collison Cave Pty Ltd
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- (71) Yissum Research Development Company of the Hebrew University of Jerusalem Ltd.; University of Rijeka Faculty of Medicine  
 (11) AU-A-2021253899  
 (21) 2021253899 (22) 05.04.2021  
 (54) Antibodies to NKp46 and constructs thereof for treatment of cancers and infections  
 (51) Int. Cl.  
**A61K 39/00** ( 2006.01 )  
**A61P 31/00** ( 2006.01 )

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

**A61P 35/00** ( 2006.01 )  
**C07K 14/725** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )  
**(87)** WO2021/205438  
**(31)** 63/005,457           **(32)** 06.04.20 **(33)** US  
**(43)** 14.10.2021  
**(72)** JONJIC, Stipan; MANDELBOIM, Ofer;  
BERHANI, Orit; KAHALON, Shira  
**(74)** PIPERS

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**(71)** Yissum Research Development Com-  
pany of the Hebrew University of Jeru-  
salem Ltd.; Hadasit Medical Research  
Services & Development Limited  
**(11)** AU-A-2021259683  
**(21)** 2021259683           **(22)** 21.04.2021  
**(54)** Bioactive phenolate ionic complexes  
**(51)** Int. Cl.  
**C07C 37/00** ( 2006.01 )  
**A61P 31/04** ( 2006.01 )  
**A61P 31/10** ( 2006.01 )  
**C07C 37/66** ( 2006.01 )  
**C07C 39/23** ( 2006.01 )  
**C07C 39/235** ( 2006.01 )  
**C07C 49/84** ( 2006.01 )  
**C07C 69/88** ( 2006.01 )  
**C07C 215/40** ( 2006.01 )  
**C07C 235/60** ( 2006.01 )  
**C07D 233/16** ( 2006.01 )  
**(87)** WO2021/214762  
**(31)** 62/704,121           **(32)** 22.04.20 **(33)** US  
**(43)** 28.10.2021  
**(72)** DOMB, Abraham Jacob; STEINMAN,  
Noam; ROTTENBERG, Yakir  
**(74)** Collison & Co

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**(71)** Zymeworks Inc.  
**(11)** AU-A-2021240872  
**(21)** 2021240872           **(22)** 23.03.2021  
**(54)** Masked IL12 fusion proteins and meth-  
ods of use thereof  
**(51)** Int. Cl.  
**C07K 19/00** ( 2006.01 )  
**A61K 47/68** ( 2017.01 )  
**A61P 35/00** ( 2006.01 )  
**C07K 7/06** ( 2006.01 )  
**C07K 14/54** ( 2006.01 )  
**C07K 16/00** ( 2006.01 )  
**C12N 15/62** ( 2006.01 )  
**C12P 21/02** ( 2006.01 )  
**(87)** WO2021/189139  
**(31)** 62/993,334           **(32)** 23.03.20 **(33)** US  
63/146,567           05.02.21       US  
**(43)** 30.09.2021  
**(72)** VOLKERS, Gesa; SPRETER VON  
KREUDENSTEIN, Thomas; AFACAN,  
Nicole; DESJARDINS, Genevieve;  
DOUDA, David; BLACKLER, Ryan  
**(74)** FB Rice Pty Ltd

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<b>2020436114</b>	Xinjiang Goldwind Science & Technology Co., Ltd.	<b>2021239854</b>	Icahn School of Medicine at Mount Sinai; Monogram Orthopaedics Inc.
<b>2020436199</b>	Khori, V.	<b>2021240044</b>	Akebia Therapeutics, Inc.
<b>2020437672</b>	Kimberly-Clark Worldwide, Inc.	<b>2021240051</b>	Genentech, Inc.
<b>2020438610</b>	Kimberly-Clark Worldwide, Inc.	<b>2021240089</b>	Rosendin Electric, Inc.
<b>2020441152</b>	ResMed Asia Pte Ltd	<b>2021240756</b>	Jiangsu Hengrui Pharmaceuticals Co., Ltd.; Shanghai Hengrui Pharmaceutical Co., Ltd.
<b>2020441598</b>	Fraunhofer-Gesellschaft Zur Förderung Der Angewandten Forschung E.V.	<b>2021240870</b>	Pyrogenesis Canada Inc.
<b>2020442009</b>	General Mills, Inc.	<b>2021240872</b>	Zymeworks Inc.
<b>2020442490</b>	Amgen Inc.	<b>2021241707</b>	InEnTec Inc.
<b>2020443475</b>	Hua Medicine (Shanghai) Ltd.	<b>2021242058</b>	Toko Yakuhin Kogyo Co., Ltd.; Japan as represented by Director General of National Institute of Infectious Diseases
<b>2020443682</b>	Soder, S.	<b>2021242222</b>	CommScope Technologies LLC
<b>2020443848</b>	Primebean. Co., Ltd.	<b>2021242241</b>	ARRIS Enterprises LLC
<b>2020444056</b>	Idience Co., Ltd.	<b>2021242306</b>	Vanderbilt University
<b>2020444066</b>	Mitsubishi Electric Corporation	<b>2021242344</b>	Cipher Skin
<b>2020444401</b>	Lifeactivus Private Limited	<b>2021242797</b>	Vlepis Solutions Pty Ltd
<b>2020447433</b>	PayPal, Inc.	<b>2021242887</b>	Teijin Limited
<b>2020448974</b>	Mitsubishi Electric Corporation	<b>2021243909</b>	Curigin Co.,Ltd.
<b>2020451422</b>	ONK Therapeutics Limited	<b>2021244095</b>	Keene, S.; Davenport, B.
<b>2020451848</b>	Metso Outotec Finland Oy	<b>2021244192</b>	Biohaven Pharmaceutical Holding Company Ltd.
<b>2020451849</b>	Metso Outotec Finland Oy	<b>2021244228</b>	Biohaven Therapeutics Ltd.
<b>2020452710</b>	Metso Outotec Finland Oy	<b>2021244313</b>	Olatec Therapeutics LLC
<b>2020453318</b>	Sungrow Power Supply Co., Ltd.	<b>2021244357</b>	CommScope Technologies LLC
<b>2020454689</b>	Essity Hygiene and Health Aktiebolag	<b>2021244462</b>	eFFECTOR Therapeutics, Inc.
<b>2020457518</b>	Halliburton Energy Services, Inc.	<b>2021244559</b>	Generation Bio Co.
<b>2020458446</b>	Halliburton Energy Services, Inc.	<b>2021244684</b>	Svenska Vaccinfabriken Produktion AB
<b>2021210593</b>	Dawako Medtech, S.L.	<b>2021244693</b>	Watershed Solar, LLC
<b>2021229252</b>	Ecology Institute of Shandong Academy of Sciences (China-Japan Friendship Biotechnology Research Center of Shandong Academy of Sciences)	<b>2021245079</b>	MiAlgae Ltd
<b>2021236277</b>	Xylem Europe GmbH	<b>2021245316</b>	Syngenta Crop Protection AG; Institut National de Recherche pour l'Agriculture, l'Alimentation et l'Environnement; Université Cote d'Azur; Centre National de la Recherche Scientifique
<b>2021236588</b>	Environment and Plant Protection Institute, Chinese Academy of Tropical Agricultural Sciences	<b>2021245846</b>	BL Technologies, Inc.
<b>2021236679</b>	Sudhin Biopharma	<b>2021246485</b>	The Regents of the University of California
<b>2021236681</b>	The J. David Gladstone Institutes; The Regents of the University of California	<b>2021246519</b>	Turtle Bear Holdings, LLC
<b>2021236683</b>	Intellia Therapeutics, Inc.	<b>2021246750</b>	Wassef, M.
<b>2021236690</b>	Rosendin Electric, Inc.	<b>2021246965</b>	Green Forest Solutions LLP
<b>2021236742</b>	WellDoc, Inc.	<b>2021247101</b>	Biohaven Pharmaceutical Ireland DAC
<b>2021236973</b>	Alcon Inc.	<b>2021247113</b>	Ecential Robotics
<b>2021236978</b>	UPL Limited	<b>2021247153</b>	Cipher Skin
<b>2021237122</b>	Advance NanoTek Ltd.; Astivita Limited	<b>2021247161</b>	Scandit AG
<b>2021237204</b>	Helset, B.	<b>2021247219</b>	Huawei Technologies Co., Ltd.
<b>2021237705</b>	Sanford Burnham Prebys Medical Discovery Institute	<b>2021247414</b>	Johnson, B.
<b>2021237718</b>	Gilead Sciences, Inc.	<b>2021247416</b>	Servatus Ltd
<b>2021237720</b>	BioNTech SE	<b>2021247720</b>	Huawei Technologies Co., Ltd.
<b>2021237729</b>	OMS Investments, Inc.	<b>2021247733</b>	Hutchison Medipharma Limited
<b>2021237769</b>	AL-S Pharma AG; Neurimmune AG	<b>2021247800</b>	Suntory Holdings Limited
<b>2021237863</b>	Alcon Inc.	<b>2021248265</b>	Sintef TTO
<b>2021237983</b>	Czerkas, R.W.	<b>2021248326</b>	Takeda Pharmaceutical Company Limited
<b>2021237991</b>	Omachron Intellectual Property Inc.	<b>2021248411</b>	Georgia Tech Research Corporation
<b>2021238225</b>	LG Electronics Inc.	<b>2021248941</b>	Repertoire Immune Medicines, Inc.
<b>2021238305</b>	Digital Diagnostics Inc.	<b>2021248942</b>	Chemocentryx, Inc.
<b>2021238330</b>	Cellular Biomedicine Group HK Limited	<b>2021249036</b>	ARRIS Enterprises LLC
<b>2021238378</b>	Procore Technologies, Inc.	<b>2021249050</b>	Jefferies, W.; Singh, C.
<b>2021238505</b>	Herring, R.	<b>2021249400</b>	Grenzebach BSH GmbH
<b>2021238581</b>	Nunhems B.V.	<b>2021249537</b>	ALL.SPACE NETWORKS LIMITED
<b>2021238591</b>	AdrenoMed AG	<b>2021249727</b>	Toray Industries, Inc.
<b>2021238675</b>	Molecular Plasma Group S.A.	<b>2021249849</b>	Nichireki Co., Ltd.
<b>2021238895</b>	H N K Pty Limited	<b>2021250446</b>	Biotalys NV
<b>2021239009</b>	Base Air Management Limited	<b>2021250464</b>	The University of Sydney
<b>2021239052</b>	Alcon Inc.	<b>2021250742</b>	Nexii Building Solutions Inc.
<b>2021239185</b>	Klein, A.	<b>2021250744</b>	Repare Therapeutics Inc.
<b>2021239200</b>	Pemmaraju, V.P.	<b>2021251269</b>	Seattle Children's Hospital (DBA Seattle Children's Research Institute); Provincial Health Services Authority; University of Pittsburgh – of The Commonwealth System of Higher Education
<b>2021239224</b>	CSPC NBP Pharmaceutical Co., Ltd		
<b>2021239293</b>	Narasimhamurthy, P.		
<b>2021239378</b>	Akebia Therapeutics, Inc.		
<b>2021239382</b>	ARRIS Enterprises LLC		
<b>2021239843</b>	Digital Diagnostics Inc.		

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2021251676	Epitel, Inc.	2021257437	Glencore Technology Pty Limited
2021251689	Gilead Sciences, Inc.	2021257508	Edigene Therapeutics (Beijing) Inc.
2021251989	Hutchison MediPharma Limited	2021257637	Bongartz, N.
2021252160	WGA Water Global Access, SL; Nomen Calvet, J.E.; Hanganu, D.A.	2021257642	Soltec Innovations S.L.
2021252208	Magellan Systems Japan, Inc.	2021257754	Universitätsspital Basel
2021252396	Gencurix Inc.	2021257772	Children's Medical Center Corporation
2021252431	Ceres Tag Ltd	2021257868	PRC-DeSoto International, Inc.
2021252432	The Florey Institute of Neuroscience and Mental Health; Austin Health; Bellomo, R.	2021257874	Alkermes Pharma Ireland Limited
2021252433	Anteo Energy Technology Pty Ltd	2021258112	Eli Lilly and Company
2021252516	PRC-DeSoto International, Inc.	2021258135	Lobe Sciences Ltd.
2021252535	CaaMTech, Inc.	2021258172	Cargill, Incorporated
2021252991	Verve Therapeutics, Inc.	2021258178	Airway Therapeutics, Inc.
2021253253	Anteo Energy Technology Pty Ltd	2021258198	Kindred Biosciences, Inc.
2021253584	GB005, Inc.	2021258258	Emergex USA Corporation
2021253637	ViroGates A/S; Copenhagen University Hospital Amager and Hvidovre	2021258264	The Trustees of The University of Pennsylvania
2021253662	Heerema Marine Contractors Nederland SE	2021258326	CNH Industrial America LLC
2021253701	Southwest Research Institute	2021258328	Radiomedix, Inc.
2021253889	Organicell Regenerative Medicine, Inc.	2021258387	Inventio AG
2021253899	Yissum Research Development Company of the Hebrew University of Jerusalem Ltd.; University of Rijeka Faculty of Medicine	2021258419	NEC Oncolmmunity AS; NEC Laboratories Europe GmbH
2021253959	Verve Therapeutics, Inc.	2021258431	iOmx Therapeutics AG
2021254258	United States Government as represented by the Department Of Veterans Affairs; Case Western Reserve University	2021258543	BerGenBio ASA; The Board of Regents of the University of Texas System
2021254424	Think Surgical, Inc.	2021258572	UPL Corporation Limited; UPL Europe Ltd.
2021254751	Theradaptive, Inc.	2021258634	Hitachi, Ltd.
2021254768	The Regents of the University of California	2021258686	JX Nippon Mining & Metals Corporation
2021254793	Alkermes Pharma Ireland Limited; Clovis Oncology, Inc.	2021258692	EAA Research Engineer Pty Ltd
2021254852	UCL Business Ltd	2021258693	Bestview Investments Pty Ltd
2021254882	Ecomade Engineering S.r.l.	2021258825	THX Ltd.
2021254980	Denka Company Limited	2021258900	Innovative Blasting Technologies Pty Ltd
2021255054	Glencore Technology Pty Limited	2021258959	Liveome Inc.
2021255340	Temasek Polytechnic	2021258992	Nederlandse Organisatie voor toegepast- natuurwetenschappelijk onderzoek TNO
2021255398	Asahi Kasei Kabushiki Kaisha	2021259040	Radexel Inc.
2021255412	Shanghai Cellular Biopharmaceutical Group Ltd.; Wuxi Cellular Biopharmaceutical Group Ltd.	2021259053	Tchüpp GmbH
2021255553	Huawei Technologies Co., Ltd.	2021259056	Cirrus Materials Science Limited
2021255559	Shenzhen Pharmacin Co., Ltd.	2021259109	L'air Liquide Societe Anonyme Pour L'Etude et L'Exploitation Des Procèdes Georges Claude
2021255616	Hackensack Meridian Health Center for Discovery and Innovation	2021259155	Baker Hughes Oilfield Operations LLC
2021255683	Readygo Diagnostics Limited	2021259170	Google LLC
2021255702	2Seventy Bio, Inc.	2021259214	Scancell Limited
2021255739	Danisco US Inc.	2021259411	Caterpillar Inc.
2021255758	Caterpillar Inc.	2021259441	Cargill, Incorporated
2021255763	Rocky Research; Honeywell International Inc.	2021259451	PackIt, LLC
2021255849	Locus IP Company, LLC	2021259517	AECI Mining Limited
2021255884	Les Laboratoires Servier	2021259608	DermTech, Inc.
2021255917	Cancer Research Technology Limited	2021259683	Yissum Research Development Company of the Hebrew University of Jerusalem Ltd.; Hadasit Medical Research Services & Development Limited
2021255924	Vector Vitale IP LLC	2021259785	Kindred Biosciences, Inc.
2021255966	Escient Pharmaceuticals, Inc.	2021259841	Vanderbilt University
2021256184	Ecomade Engineering S.r.l.	2021259852	Temple University-of The Commonwealth System of Higher Education
2021256226	Hutchison MediPharma Limited	2021259861	Genentech, Inc.
2021256235	Chengdu Baiyu Pharmaceutical Co., Ltd.	2021259958	Tempus Labs, Inc.
2021256382	Rocky Research	2021259986	JFE Steel Corporation
2021256385	DeGroof Aviation Technologies	2021260014	DNA Script
2021256402	Aethlon Medical, Inc.	2021260040	Immunic AG
2021256472	Australia and New Zealand Banking Group Limited	2021260048	Novartis AG; Katholieke Universiteit Leuven; Korea Research Institute of Chemical Technology
2021256599	Huawei Technologies Co., Ltd.	2021260096	Inventio AG
2021256735	Terapet SA	2021260104	BASF SE; Innovationsmanufaktur GmbH; Trofil Sportbodensysteme GmbH & Co. KG; Dr. Karl Wetekam & Co. Kg Kunststoff-fäden, Bänder
2021256799	Hutchison MediPharma Limited	2021260118	Nuamid SA
2021256895	The Trustees of Columbia University in the City of New York; William Marsh Rice University	2021260139	CMR Surgical Limited
2021257071	Consejo Superior de Investigaciones Científicas; Fundación Uno Entre Cien Mil	2021260142	Heptares Therapeutics Limited
2021257245	LIV Process, Inc.	2021260175	Balsam International Unlimited Company
2021257273	Kedallon Therapeutics, Inc.	2021260177	Renson Sunprotection-Screens NV
2021257275	Exactech, Inc.	2021260191	Biorchestra Co., Ltd.
2021257341	The Medical College of Wisconsin, Inc.	2021260429	Cirrus Materials Science Limited
		2021260566	Caterpillar Inc.



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2021260878	Vestaron Corporation	2021267316	Valmont Industries, Inc.
2021260885	Amgen Inc.	2021267542	Moroz Technologies Pty Ltd
2021260953	ROM Technologies, Inc.	2021267605	Staedtler Mars GmbH & Co. KG
2021260956	Scott III, L.	2021267719	Millet Innovation
2021260989	Novartis AG	2021267859	CaaMTech, Inc.
2021261002	Vanderbilt University	2021267953	Immunorizon Ltd.
2021261045	Monash University	2021268062	Fertin Pharma A/S
2021261046	4 Farmers Australia Pty Ltd	2021268179	Rutgers, The State University of New Jersey
2021261060	Edesa Biotech Research Inc.	2021268689	Aucentra Therapeutics Pty Ltd
2021261245	Explorer Surgical Corp.	2021268692	Sleep Systems Incorporated
2021261265	Caterpillar Inc.	2021268768	Primewan Limited
2021261307	Assembly Biosciences, Inc.	2021268903	Fertin Pharma A/S
2021261350	L'Air Liquide, Societe Anonyme Pour L'Etude Et L'Exploitation Des Procedes Georges Claude	2021268917	International Business Machines Corporation
2021261373	The Board of Trustees of the Leland Stanford Junior University	2021268961	Quorum Innovations, LLC
2021261375	Ueckert, G.	2021269143	Microsoft Technology Licensing, LLC
2021261379	Inari Agriculture Technology, Inc.	2021269161	Patenttitoimisto T. Poutanen
2021261383	Opna Immuno-Oncology SA	2021269181	Onfarmhatching Ltd
2021261387	CareFusion 303, Inc.	2021269780	Biograil ApS
2021261471	BioNTech SE	2021269916	International Business Machines Corporation
2021261531	Universität Duisburg-Essen	2021270749	The Rocket Science Group LLC
2021261550	Ocado Innovation Limited	2021270844	University of Pittsburgh - of the Commonwealth System of Higher Education
2021261556	Ocado Innovation Limited	2021270892	International Business Machines Corporation
2021261630	CMR Surgical Limited	2021270979	icomatrix NV; Katholieke Universiteit Leuven
2021261639	McLellan, A.; Tutungi, E.; Hallam, M.; Tutungi, V.	2021271134	Institut Francais De Recherche Pour L'exploitation De La Mer (IFREMER)
2021261736	Chevron U.S.A. Inc.	2021271944	Darkon Pty Ltd
2021261741	Renson Sunprotection-Screens NV	2021272100	Genentech, Inc.
2021262054	Kobelco Construction Machinery Co., Ltd.	2021272134	JAMF Software, LLC
2021262176	Beijing Goldwind Science & Creation Windpower Equipment Co., Ltd.	2021272167	Datang Mobile Communications Equipment Co., Ltd.
2021262429	Fresenius Medical Care Deutschland GmbH	2021272534	Microsoft Technology Licensing, LLC
2021262479	Novartis AG	2021273014	Disc Medicine, Inc.; AbbVie Deutschland GmbH & Co. KG; AbbVie Inc.
2021262761	Colgate-Palmolive Company	2021273253	Abintus Bio, Inc.
2021262770	The Regents of the University of California	2021273749	Boston Scientific Scimed, Inc.
2021262825	Larimar Therapeutics, Inc.	2021274312	logen Corporation
2021262864	Children's Medical Center Corporation; TICEBA GmbH; RHEACELL GmbH & Co. KG	2021274591	Nanjing Chervon Industry Co., Ltd.
2021263179	Oriental Yeast Co.,Ltd.	2021274636	Microsoft Technology Licensing, LLC
2021263281	Monsanto Technology LLC	2021275032	Ab Initio Technology LLC
2021263420	Chevron U.S.A. Inc.	2021275033	Eighth Day Labs, LLC
2021263474	Exelixis, Inc.	2021275156	D & D Group Pty Ltd
2021263475	Locus Agriculture IP Company, LLC	2021275777	The Gillette Company LLC
2021263487	Regeneron Pharmaceuticals, Inc.	2021276051	GazTransport et Technigaz
2021263533	Deere & Company	2021276247	TMRW Life Sciences, Inc.
2021263795	Unilever Global IP Limited	2021276332	Boehringer Ingelheim International GmbH
2021263867	Unilever IP Holdings B.V.	2021276573	Philogen S.p.A.
2021263927	Taipei Medical University	2021276736	S3 Group Ltd.
2021263931	Hollister Incorporated	2021277192	Amgen Inc.
2021263958	Koenig & Bauer Banknote Solutions SA	2021277407	Wave Life Sciences Ltd.
2021264422	Monsanto Technology LLC	2021277569	BAE Systems PLC
2021264445	Bard Access Systems, Inc.	2021278117	Myx Fitness, LLC
2021264512	Aruna Bio, Inc.	2021278269	Mölnlycke Health Care AB
2021264520	Hydro Dynamics, Inc.	2021278403	C.M.C. S.p.A.
2021264550	Gilead Sciences, Inc.	2021278701	GRIFF Aviation AS
2021264555	Inflammatix, Inc.	2021278963	Raytheon Company
2021265090	Board of Regents, The University of Texas System; The Trustees of Indiana University	2021278984	Flagship Pioneering Innovations Vi, LLC
2021265093	RingIT, Inc.	2021279028	Dana-Farber Cancer Institute, Inc.
2021265099	Genesys Cloud Services Holdings II, LLC	2021279078	Ecolab USA Inc.
2021265132	Novartis AG	2021279130	Mölnlycke Health Care AB
2021265179	Newclip International	2021279380	Spirea Limited
2021265248	EchoNous, Inc.	2021280328	University of Florida Research Foundation, Inc.; Ent-rinsic, Inc.
2021265358	UPL Limited	2021280815	Microsoft Technology Licensing, LLC
2021265722	PepsiCo, Inc.	2021281012	Mölnlycke Health Care AB
2021265801	NGM Biopharmaceuticals, Inc.	2021281183	Cytobay Inc.
2021266008	Huawei Technologies Co., Ltd.	2021281453	Flagship Pioneering Innovations VI, LLC.
2021266033	Siemens Mobility GmbH	2021281592	Laboratoires Eriger
2021266715	Qpex Biopharma, Inc.	2021282323	Mölnlycke Health Care AB
2021266795	Research Development Foundation	2021282817	Mustbio Co., Ltd.
2021266856	Fertin Pharma A/S	2021283585	Antengene Discovery Limited
2021266857	Staedtler Mars GmbH & Co. KG	2021284284	University of Florida Research Foundation, Inc.; Ent-rinsic, Inc.

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2021285294	Supercell Oy
2021285797	Crown Equipment Corporation
2021287302	KWS SAAT SE & Co. KGaA
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2021290061	Microsoft Technology Licensing, LLC
2021291671	International Business Machines Corporation
2021293965	International Business Machines Corporation
2021294753	Societe des Produits Nestle S.A.
2021294754	Societe des Produits Nestle S.A.
2021294837	International Business Machines Corporation
2021294859	International Business Machines Corporation
2021295218	Societe des Produits Nestle S.A.
2021297347	Blaze Bioscience, Inc.
2021298049	Societe des Produits Nestle S.A.
2021299624	LG Energy Solution, Ltd.
2021300620	International Business Machines Corporation
2021300937	Dexcom, Inc.
2021302525	Bayer Aktiengesellschaft
2021307607	Novartis AG
2021308081	Genentech, Inc.
2021317217	Beijing Goldwind Science & Creation Windpower Equipment Co., Ltd.
2021319365	Huddly Inc.
2021321125	Gonggam Sensors Co., Ltd.
2021346875	Fronius International GmbH
2021367388	CCTEG Coal Mining Research Institute; Tiandi Science & Technology Co.,Ltd
2021392062	Wisconsin Alumni Research Foundation
2021394243	Suzhou Institute of Nano-Tech and Nano-Bionics (Sino), Chinese Academy of Sciences
2021404126	CooperVision International Limited
2021439209	SWIMC LLC
2022203636	Intuit Inc.
2022203637	Intuit Inc.
2022204035	Oakley, S.; Hodgson, T.
2022211869	MX Technologies, Inc.
2022211872	MX Technologies, Inc.
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2021258326	2021257245	2021255849	2020454689	2021260139	2021247733
				2021261630	2021247800
<b><u>A01D 69 /-</u></b>	<b><u>A01N 31 /-</u></b>	<b><u>A23L 15 /-</u></b>	<b><u>A47K 11 /-</u></b>	<b><u>A61C 1 /-</u></b>	2021248942
2021274591	2021263795	2020442009	2021258693	2021246750	2021249050
					2021250744
<b><u>A01F 25 /-</u></b>	<b><u>A01N 33 /-</u></b>	<b><u>A23L 2 /-</u></b>	<b><u>A47L 5 /-</u></b>	<b><u>A61C 19 /-</u></b>	2021252432
2021276736	2021236588	2021258172	2021237991	2021261375	2021252535
	2021279078	2021259441	<b><u>A47L 9 /-</u></b>	<b><u>A61C 7 /-</u></b>	2021253584
<b><u>A01G 3 /-</u></b>	<b><u>A01N 37 /-</u></b>	2021263867	2021237991	2021261375	2021253889
2021274591	2021238675	2021255739	<b><u>A61B 1 /-</u></b>	<b><u>A61C 8 /-</u></b>	2021255559
	2021250446	<b><u>A23L 27 /-</u></b>	2021273749	2021246750	2021255966
<b><u>A01H 1 /-</u></b>	2021257245	2021258172	<b><u>A61B 10 /-</u></b>	<b><u>A61C 9 /-</u></b>	2021256235
2021238581	2021279078	2021259441	2021255683	2021261375	2021257341
2021261379	<b><u>A01N 41 /-</u></b>	2021263867	2021259608	<b><u>A61F 13 /-</u></b>	2021257754
2021263281	2021279078	<b><u>A23L 29 /-</u></b>	<b><u>A61B 17 /-</u></b>	2021278269	2021258135
2021264520	<b><u>A01N 43 /-</u></b>	2021255739	2021247113	2021279130	2021258328
<b><u>A01H 4 /-</u></b>	2021236978	<b><u>A23N 12 /-</u></b>	2021254424	2021281012	2021258431
2021263281	2021236978	2021294753	2021257772	<b><u>A61F 2 /-</u></b>	2021258543
			2021261245	2020441598	2021259841
<b><u>A01H 5 /-</u></b>	<b><u>A01N 47 /-</u></b>	<b><u>A41D 13 /-</u></b>	2021265179	2021239854	2021259852
2021238581	2021265358	2021238505	2021273749	2021254424	2021259861
2021263281	<b><u>A01N 57 /-</u></b>	2021244095	<b><u>A61B 18 /-</u></b>	2021257275	2021260040
	2021261046	<b><u>A43B 17 /-</u></b>	2021261639	<b><u>A61F 5 /-</u></b>	2021260048
<b><u>A01H 6 /-</u></b>	2021264422	2021267719	2021267542	2021249727	2021260118
2021238581	<b><u>A01N 59 /-</u></b>	<b><u>A45D 34 /-</u></b>	<b><u>A61B 3 /-</u></b>	2021261375	2021260142
2021245316	2021261046	2021257273	2021238305	<b><u>A61F 9 /-</u></b>	2021260191
2021264520	2021264422	<b><u>A46B 11 /-</u></b>	2021239843	2021284284	2021260956
<b><u>A01K 15 /-</u></b>	2021258572	2021258693	<b><u>A61B 34 /-</u></b>	2021302525	2021261002
2021252431	2021261046	2021257273	2021247113	2021307607	2021261307
	2021279078	<b><u>A46B 17 /-</u></b>	2021254424	<b><u>A61H 3 /-</u></b>	2021261383
<b><u>A01K 27 /-</u></b>	<b><u>A01N 63 /-</u></b>	2021268692	2021260139	2021264512	2021264512
2021252431	2021250446	<b><u>A47C 31 /-</u></b>	2021260953	2021264550	2021264550
	2021257245	2021268692	2021261630	2021266795	2021266795
<b><u>A01K 41 /-</u></b>	2021260878	<b><u>A46B 17 /-</u></b>	<b><u>A61B 5 /-</u></b>	2021266856	2021266856
2021269181	2021263475	2021258693	2020441598	2021268689	2021268689
		<b><u>A47G 33 /-</u></b>	2021239854	2021268903	2021268903
<b><u>A01K 43 /-</u></b>	<b><u>A01N 65 /-</u></b>	2021260175	2021254424	2021272100	2021272100
2021269181	2021260878	<b><u>A47J 31 /-</u></b>	2021261375	2021276573	2021276573
		2021294753	<b><u>A61F 9 /-</u></b>	2021280328	2021280328
<b><u>A01K 5 /-</u></b>	<b><u>A01P 1 /-</u></b>	2021294754	2021257273	2021283585	2021283585
2021254882	2021263795	2021295218	<b><u>A61H 3 /-</u></b>	2021284284	2021284284
	2021279078	2021298049	2021249727	2021302525	2021302525
<b><u>A01N 1 /-</u></b>	<b><u>A01P 13 /-</u></b>	<b><u>A47J 42 /-</u></b>	<b><u>A61J 1 /-</u></b>	2021307607	2021307607
2021276247	2021261046	2021294753	2021257273	<b><u>A61K 33 /-</u></b>	2020444401
			<b><u>A61K 103 /-</u></b>	2021237122	2021237122
			2020443475	2021255924	2021255924
			2020444056	<b><u>A61K 35 /-</u></b>	2020442490
			2021237122	2020451422	2020451422
			2021239224	2021238330	2021238330
			2021239378	2021243909	2021243909
				2021247416	2021247416
				2021253889	2021253889
				2021255616	2021255616
				2021255917	2021255917
				2021258959	2021258959
				2021259958	2021259958
				2021262770	2021262770

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

2021273253	2021259852	<b><u>A61L 9/-</u></b>		2021255924	2021255616
2021284284			<b><u>A61P 13/-</u></b>	2021258178	2021256235
<b><u>A61K 36/-</u></b>	<b><u>A61K 47/-</u></b>	2021238505		2021259683	2021307607
		2021244095	2021239378	2021260040	
	2020443475		2021240044	2021260048	<b><u>A61P 9/-</u></b>
2021246519	2021238330	<b><u>A61M 1/-</u></b>		2021260118	2021239378
2021249050	2021240756		<b><u>A61P 17/-</u></b>	2021261307	2021240044
2021268903	2021240872	2021255340		2021261531	2021244313
2021284284	2021244228	2021267542	2021247800	2021268179	2021268961
	2021255559	2021279130	2021255966	2021268961	
<b><u>A61K 38/-</u></b>	2021259861	2021282323	2021258198	2021280328	
	2021260191		2021260142		<b><u>A61Q 11/-</u></b>
2021237705	2021260989	<b><u>A61M 11/-</u></b>	2021268961	<b><u>A61P 33/-</u></b>	2021237122
2021238591	2021262825			2021252432	2021266856
2021242058	2021266856	2021257273	<b><u>A61P 19/-</u></b>		
2021244192	2021268062			<b><u>A61P 35/-</u></b>	<b><u>A61Q 19/-</u></b>
2021246485	2021268903	<b><u>A61M 16/-</u></b>	2021253889		2020436199
2021247416	2021276332		<b><u>A61P 21/-</u></b>	2020444056	2021275033
2021253889	2021279380	2020441152		2021237705	2021281592
2021254751	2021279380		2021256895	2021239224	
2021254793	2021281592	<b><u>A61M 25/-</u></b>	2021261045	2021240756	<b><u>A61Q 5/-</u></b>
2021254852	2021394243			2021240872	2021262761
2021256895		2021261639	<b><u>A61P 25/-</u></b>	2021243909	
2021257341	<b><u>A61K 48/-</u></b>	2021263931		2021244462	<b><u>A62B 18/-</u></b>
2021257874		2021273749	2021239224	2021246485	2021238675
2021260989	2021252991		2021249050	2021247733	2021244095
2021261045	2021253959	<b><u>A61M 31/-</u></b>	2021253889	2021251269	
2021262825	2021254852		2021258135	2021251989	<b><u>A62B 23/-</u></b>
2021267542	2021257508	2021273749	2021259841	2021253584	2021238505
2021276573	2021264512	<b><u>A61M 37/-</u></b>	2021260191	2021253899	
			2021260956	2021254793	<b><u>A62B 24/-</u></b>
<b><u>A61K 39/-</u></b>	<b><u>A61K 51/-</u></b>	2021268179	2021261002	2021255412	2021238505
			2021262825	2021255917	
2021237720	2021262479	<b><u>A61M 39/-</u></b>	2021264512	2021256226	<b><u>A62B 7/-</u></b>
2021238330	2021265132		2021268961	2021256235	2021238505
2021240756		2021248326	2021282817	2021256799	
2021242058	<b><u>A61K 8/-</u></b>	2021261387	2021302525	2021257071	<b><u>A62D 3/-</u></b>
2021242306		2021264445	2021307607	2021257874	2021229252
2021244684	2020436199	<b><u>A61M 5/-</u></b>	<b><u>A61P 27/-</u></b>	2021258431	
2021247416	2020437672			2021258543	<b><u>A63B 24/-</u></b>
2021249050	2020438610	2021261387	2021268961	2021259861	2021247153
2021251989	2021237122	2021269780		2021260989	
2021253899	2021262761	<b><u>A61N 2/-</u></b>	<b><u>A61P 29/-</u></b>	2021261383	<b><u>A63B 65/-</u></b>
2021254768	2021263795			2021262864	2021239200
2021256226	2021266856	2021259040	2021253584	2021264512	
2021256799	2021275033		2021253889	2021264550	<b><u>A63B 69/-</u></b>
2021257071	2021281592	<b><u>A61N 5/-</u></b>	2021255966	2021265801	2021239200
2021257874			2021258959	2021267953	
2021258112	<b><u>A61K 9/-</u></b>	2021259040	2021260142	2021268689	<b><u>A63B 71/-</u></b>
2021258178			2021268961	2021268961	2021239200
2021258198	2020443475	<b><u>A61N 5/-</u></b>	<b><u>A61P 3/-</u></b>	2021272100	
2021258258	2020444401			2021276332	<b><u>A63B 71/-</u></b>
2021258419	2021237122	<b><u>A61P 1/-</u></b>	2020443475	2021276573	2021261375
2021258543	2021244228		2021246519	2021279028	
2021259214	2021244313	2021246519	2021257508	2021279380	<b><u>A63F 13/-</u></b>
2021259861	2021247101	2021247416		2021282817	2021285294
2021261060	2021251689	2021248942	<b><u>A61P 31/-</u></b>	2021283585	
2021261471	2021252535	2021258959		2021394243	
2021262864	2021253889	2021259852	2020444401		<b><u>B01D 1/-</u></b>
2021266795	2021260989	2021260142	2021237122	<b><u>A61P 37/-</u></b>	2021252160
2021268179	2021263795	2021268903	2021237718		<b><u>B01D 15/-</u></b>
2021271134	2021266856		2021237720	2021247416	
2021273014	2021267542	<b><u>A61P 11/-</u></b>	2021242058	2021251269	
2021273253	2021268062		2021244192	2021253584	
2021276573	2021268903	2021239378	2021244684	2021255616	<b><u>B01D 21/-</u></b>
2021279028	2021268903	2021240044	2021250446	2021255966	2021260885
2021282817	2021280328	2021244684	2021251689	2021262825	
	2021394243	2021253889	2021252432	2021280328	
<b><u>A61L 2/-</u></b>		2021260118	2021253899	<b><u>A61P 43/-</u></b>	2021236679
	2021238225	2021260142	2021254768		
<b><u>A61K 45/-</u></b>	2021244095	2021261060	2021255559	2021247800	
	2021263795	2021280328			
2020443475		2021302525			
2021257754					
2021258543					

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

<b><u>B01D 25 /-</u></b>	<b><u>B05B 17 /-</u></b>	<b><u>B29C 51 /-</u></b>	<b><u>B44C 3 /-</u></b>	<b><u>B63B 22 /-</u></b>	<b><u>B65G 33 /-</u></b>
2020451848 2020451849	2021257273	2021267719	2021267605	2021278963	2021254882
<b><u>B01D 47 /-</u></b>	<b><u>B05B 9 /-</u></b>	<b><u>B29C 59 /-</u></b>	<b><u>B44D 3 /-</u></b>	<b><u>B63B 25 /-</u></b>	<b><u>B65G 47 /-</u></b>
2021239293	2021257273	2021267719	2021439209	2021276051	2021254882
<b><u>B01D 53 /-</u></b>	<b><u>B05D 1 /-</u></b>	<b><u>B29C 61 /-</u></b>	<b><u>B60G 11 /-</u></b>	<b><u>B63B 35 /-</u></b>	<b><u>B65G 53 /-</u></b>
2021239293 2021248265 2021392062	2021238675	2021267719	2021239009	2021253662	2021259517
<b><u>B01D 63 /-</u></b>	<b><u>B05D 5 /-</u></b>	<b><u>B29C 65 /-</u></b>	<b><u>B60G 17 /-</u></b>	<b><u>B63B 43 /-</u></b>	<b><u>B65G 59 /-</u></b>
2021245846	2021238675	2021267719	2021239009	2021276051	2021240089
<b><u>B01D 69 /-</u></b>	<b><u>B08B 1 /-</u></b>	<b><u>B29C 70 /-</u></b>	<b><u>B60G 21 /-</u></b>	<b><u>B64D 27 /-</u></b>	<b><u>B65G 65 /-</u></b>
2021245846	2021246965	2021250464 2021267719	2021239009	2021278701	2021276736
<b><u>B01F 27 /-</u></b>	<b><u>B08B 9 /-</u></b>	<b><u>B29D 35 /-</u></b>	<b><u>B60J 7 /-</u></b>	<b><u>B64F 1 /-</u></b>	<b><u>B65G 67 /-</u></b>
2021236277 2021252516	2021246965	2021267719	2021239185	2021256385	2021240089
<b><u>B01F 31 /-</u></b>	<b><u>B09B 3 /-</u></b>	<b><u>B29K 105 /-</u></b>	<b><u>B60K 15 /-</u></b>	<b><u>B65B 49 /-</u></b>	<b><u>B66B 1 /-</u></b>
2021252516	2021229252 2021240870 2021254882	2021242887	2021259986	2021278403	2021258387 2021260096
<b><u>B01F 33 /-</u></b>	<b><u>B09C 1 /-</u></b>	<b><u>B29L 31 /-</u></b>	<b><u>B60L 3 /-</u></b>	<b><u>B65B 51 /-</u></b>	<b><u>B66C 1 /-</u></b>
2021252516	2021229252	2021267719	2021258634	2021278403	2021237983
<b><u>B01F 35 /-</u></b>	<b><u>B23K 26 /-</u></b>	<b><u>B31F 1 /-</u></b>	<b><u>B60L 50 /-</u></b>	<b><u>B65B 59 /-</u></b>	<b><u>B66C 23 /-</u></b>
2021259109	2021259109	2020437672 2020438610	2021261550 2021261556	2021278403	2021262054
<b><u>B01J 13 /-</u></b>	<b><u>B23K 31 /-</u></b>	<b><u>B32B 1 /-</u></b>	<b><u>B60L 53 /-</u></b>	<b><u>B65B 9 /-</u></b>	<b><u>B82B 3 /-</u></b>
2021252433 2021253253	2021259109	2021267719	2021278701 2021289355	2021278403	2021252433 2021253253
<b><u>B01J 19 /-</u></b>	<b><u>B23K 9 /-</u></b>	<b><u>B32B 13 /-</u></b>	<b><u>B60L 58 /-</u></b>	<b><u>B65D 19 /-</u></b>	<b><u>B82Y 10 /-</u></b>
2021261373	2021259109	2021250742	2021261556	2021237983	2021294837
<b><u>B01L 3 /-</u></b>	<b><u>B25J 5 /-</u></b>	<b><u>B32B 21 /-</u></b>	<b><u>B60P 1 /-</u></b>	<b><u>B65D 21 /-</u></b>	<b><u>B82Y 40 /-</u></b>
2021255683 2021261373	2021236690	2022204035	2021240089 2021259411 2021260566 2021261265	2021258692	2021252433 2021253253 2021394243
<b><u>B02C 13 /-</u></b>	<b><u>B26B 21 /-</u></b>	<b><u>B32B 3 /-</u></b>	<b><u>B60P 3 /-</u></b>	<b><u>B65D 43 /-</u></b>	<b><u>B82Y 5 /-</u></b>
2021256184	2021275777	2021260104 2021267719	2021259451	2021259451	2021267542
<b><u>B02C 18 /-</u></b>	<b><u>B27N 3 /-</u></b>	<b><u>B32B 37 /-</u></b>	<b><u>B60R 21 /-</u></b>	<b><u>B65D 45 /-</u></b>	<b><u>C01B 25 /-</u></b>
2021256184	2022204035	2021250742	2021239185 2021240089	2021259451	2021249400
<b><u>B03B 11 /-</u></b>	<b><u>B29B 11 /-</u></b>	<b><u>B32B 5 /-</u></b>	<b><u>B60T 8 /-</u></b>	<b><u>B65D 83 /-</u></b>	<b><u>C01B 3 /-</u></b>
2021254882	2021242887	2021242887 2021260104	2021261265	2020454689	2021240870 2021241707 2021258992 2021261350
<b><u>B04C 5 /-</u></b>	<b><u>B29C 37 /-</u></b>	<b><u>B32B 7 /-</u></b>	<b><u>B61L 23 /-</u></b>	<b><u>B65D 88 /-</u></b>	<b><u>C01B 32 /-</u></b>
2021236679	2021267719	2021250742 2021260104	2021239009	2021254882 2021276736	2021241707 2021252433 2021253253 2021270844
<b><u>B05B 1 /-</u></b>	<b><u>B29C 43 /-</u></b>	<b><u>B33Y 10 /-</u></b>	<b><u>B61L 27 /-</u></b>	<b><u>B65G 1 /-</u></b>	
2021257273	2022204035	2021267719	2021258634	2021261550 2021261556	
	<b><u>B29C 45 /-</u></b>	<b><u>B42D 25 /-</u></b>			
	2021267719	2021263958			

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

<b><u>C01B 33 /-</u></b>	<b><u>C07C 37 /-</u></b>	<b><u>C07D 401 /-</u></b>	<b><u>C07D 498 /-</u></b>	2021255702	<b><u>C08L 5 /-</u></b>
2021252433	2021259683	2021247733	2021261307	2021255884	2021252433
2021253253		2021249050		2021256226	2021253253
	<b><u>C07C 39 /-</u></b>	2021253584	<b><u>C07D 519 /-</u></b>	2021256799	
<b><u>C01C 1 /-</u></b>		2021259841		2021257071	<b><u>C08L 81 /-</u></b>
	2021249050	2021261002	2021250744	2021258112	
2021261350	2021259683	2021261307		2021258178	2021257868
		2021261383	<b><u>C07F 5 /-</u></b>	2021258198	
<b><u>C01C 3 /-</u></b>	<b><u>C07C 49 /-</u></b>			2021259861	<b><u>C09K 17 /-</u></b>
		<b><u>C07D 403 /-</u></b>	2021266715	2021259958	
2021270844	2021259683			2021261060	2021263475
		2020444056	<b><u>C07F 9 /-</u></b>	2021262864	
<b><u>C01G 53 /-</u></b>	<b><u>C07C 69 /-</u></b>	2021239378		2021265801	<b><u>C09K 8 /-</u></b>
		2021240044	2021277407	2021267953	
2021252433	2021259683	2021249050		2021268961	2020457518
2021253253		2021259841	<b><u>C07H 1 /-</u></b>	2021273014	
	<b><u>C07D 209 /-</u></b>	2021260142		2021273253	<b><u>C10B 11 /-</u></b>
<b><u>C02F 1 /-</u></b>		2021261307	2021258172	2021276332	
	2021253584	2021261383		2021276573	2021246965
2021236679	2021255966		<b><u>C07H 19 /-</u></b>	2021279028	
	2021265358	<b><u>C07D 405 /-</u></b>		2021279380	<b><u>C10B 5 /-</u></b>
<b><u>C02F 11 /-</u></b>			2021237718	2021282817	
	<b><u>C07D 213 /-</u></b>	2021259841	2021260118		2021246965
2021249400		2021261002	<b><u>C07H 21 /-</u></b>	<b><u>C07K 19 /-</u></b>	<b><u>C10B 53 /-</u></b>
	2021302525	2021261383			
<b><u>C04B 22 /-</u></b>	<b><u>C07D 215 /-</u></b>		2021252991	2021240872	2021246965
		<b><u>C07D 409 /-</u></b>	2021253959	2021255412	
2021254980	2021263474		2021260118	2021259785	<b><u>C10B 7 /-</u></b>
		2021259841		2021273253	
<b><u>C04B 7 /-</u></b>	<b><u>C07D 217 /-</u></b>	<b><u>C07D 413 /-</u></b>	<b><u>C07K 1 /-</u></b>	<b><u>C07K 7 /-</u></b>	2021246965
2021254980	2021255966	2021236978	2021236679	2021237720	<b><u>C10L 1 /-</u></b>
<b><u>C05C 9 /-</u></b>	<b><u>C07D 231 /-</u></b>	2021261383	2021242058	2021240872	
			2021260885		2021274312
2021237729	2021248942	<b><u>C07D 417 /-</u></b>	<b><u>C07K 14 /-</u></b>	<b><u>C08G 75 /-</u></b>	<b><u>C10M 169 /-</u></b>
<b><u>C05F 17 /-</u></b>	<b><u>C07D 233 /-</u></b>	2021258431	2021237720	2021257868	2021261736
		2021259841	2021240872		
2021255849	2021259683	2021268689	2021244192	<b><u>C08H 8 /-</u></b>	<b><u>C10N 20 /-</u></b>
	2021261307		2021245316		
<b><u>C05G 5 /-</u></b>		<b><u>C07D 471 /-</u></b>	2021248941	2021274312	2021261736
	<b><u>C07D 237 /-</u></b>		2021253899	<b><u>C08J 3 /-</u></b>	<b><u>C10N 30 /-</u></b>
2021237729		2021250744	2021254793		
	<b><u>C07D 249 /-</u></b>	2021253584	2021254852	2021266857	2021261736
<b><u>C06B 23 /-</u></b>		2021259841	2021256895	2021267605	
	2021248942	2021261307	2021257071		<b><u>C10N 40 /-</u></b>
2021258992	2021302525	2021261383	2021257874	<b><u>C08K 3 /-</u></b>	
			2021258959		2021261736
<b><u>C06B 45 /-</u></b>	<b><u>C07D 247 /-</u></b>	<b><u>C07D 473 /-</u></b>	2021259214	2021252433	
			2021259785	2021253253	<b><u>C10N 50 /-</u></b>
2021258992	2021236978	2021256235	2021259958	2021257868	
	<b><u>C07D 251 /-</u></b>		2021260878	<b><u>C08K 5 /-</u></b>	2021261736
<b><u>C06D 5 /-</u></b>		<b><u>C07D 487 /-</u></b>	2021261045		
	2021236978		2021261531	2021267605	<b><u>C12F 3 /-</u></b>
2021258992	<b><u>C07D 253 /-</u></b>	2021250744	2021264422		
		2021259841	2021264422	<b><u>C08K 9 /-</u></b>	2021245079
<b><u>C07B 59 /-</u></b>		2021261307	2021268961		
	2021236978	2021261383	2021270844		<b><u>C12M 1 /-</u></b>
2021262479	<b><u>C07D 307 /-</u></b>	2021264550	2021276573	2021252433	
2021265132		2021283585		2021253253	2021253701
	<b><u>C07C 215 /-</u></b>	<b><u>C07D 491 /-</u></b>	<b><u>C07K 16 /-</u></b>		2021261373
				<b><u>C08L 1 /-</u></b>	
2021259683	2021244462		2021240872		<b><u>C12M 3 /-</u></b>
	2021260048	2021240756	2021242058	2021252433	
<b><u>C07C 229 /-</u></b>	<b><u>C07D 311 /-</u></b>	2021244462	2021242306	2021253253	
		2021253584	2021246485		2021253701
2021259852	2021249050	2021261002	2021249050	<b><u>C08L 33 /-</u></b>	2021258264
			2021250446		2021261373
<b><u>C07C 235 /-</u></b>	<b><u>C07D 333 /-</u></b>	<b><u>C07D 495 /-</u></b>	2021251269	2021252433	<b><u>C12N 1 /-</u></b>
			2021251989	2021253253	
2021259683	2021258431	2021253584	2021253899		2021229252
			2021255412		2021236679

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

2021255849	<b><u>C12P 7 /-</u></b>	2021260429	<b><u>E02B 3 /-</u></b>		<b><u>F03G 7 /-</u></b>
2021263179				<b><u>E04C 5 /-</u></b>	
<b><u>C12N 15 /-</u></b>	2021255739	<b><u>C25D 21 /-</u></b>	2021258692	2021238895	2021278963
	2021274312			2021247414	<b><u>F04F 1 /-</u></b>
2021236681	<b><u>C12Q 1 /-</u></b>	2021259056	<b><u>E02D 13 /-</u></b>	<b><u>E04D 13 /-</u></b>	2021259517
2021240051		<b><u>C25D 3 /-</u></b>	2021253662		
2021240872	2021229252			2021260177	<b><u>F04F 10 /-</u></b>
2021242058	2021236681	2021259056	<b><u>E02D 17 /-</u></b>	2022243917	
2021243909	2021240051	2021260429			2021259517
2021244559	2021252396	<b><u>C25D 5 /-</u></b>	2021244693	<b><u>E04F 10 /-</u></b>	
2021245316	2021257245		<b><u>E02D 27 /-</u></b>		<b><u>F16B 23 /-</u></b>
2021250446	2021259958	2021259056		2021260177	
2021251989	2021260191	2021260429	2021238895	2021261741	2021257637
2021252991	2021263927	<b><u>C25D 9 /-</u></b>	<b><u>E02D 29 /-</u></b>	<b><u>E04F 13 /-</u></b>	<b><u>F16J 12 /-</u></b>
2021253959	2021264555		2021258900	2021250742	2021259986
2021254793	2021281183	2021259056			
2021254852	<b><u>C12R 1 /-</u></b>	2021260429	<b><u>E02D 31 /-</u></b>	<b><u>E04G 11 /-</u></b>	<b><u>F16J 15 /-</u></b>
2021255412				2021238895	2021259986
2021256226	2021229252	<b><u>D04H 3 /-</u></b>	2021267316		
2021256799	2021255849		<b><u>E02D 5 /-</u></b>	<b><u>E04G 21 /-</u></b>	<b><u>F16L 55 /-</u></b>
2021257245	<b><u>C22B 1 /-</u></b>	2021242887		2021237983	2020443682
2021257508		<b><u>D06F 34 /-</u></b>	2021248411	2021250742	
2021258178	2021257437		2021253662		<b><u>F17C 1 /-</u></b>
2021258959		2021238225	2021258900	<b><u>E05D 7 /-</u></b>	2021259986
2021262864	<b><u>C22B 11 /-</u></b>	<b><u>D06F 58 /-</u></b>	<b><u>E02D 7 /-</u></b>	2021275156	<b><u>F21S 4 /-</u></b>
2021268961			2021253662	<b><u>E21B 23 /-</u></b>	2021271944
2021278984	2021255054	<b><u>D06F 71 /-</u></b>	<b><u>E02D 9 /-</u></b>	2021259155	<b><u>F21V 15 /-</u></b>
2021281453	2021257437		2021253662	<b><u>E21B 33 /-</u></b>	2021267316
<b><u>C12N 5 /-</u></b>	<b><u>C22B 15 /-</u></b>	2021238225	<b><u>E02F 9 /-</u></b>	2020458446	<b><u>F21V 21 /-</u></b>
		<b><u>D06F 73 /-</u></b>	2021255758	<b><u>E21B 34 /-</u></b>	2021271944
2020442490	2021255054	<b><u>D06N 7 /-</u></b>	<b><u>E03B 3 /-</u></b>	2020458446	<b><u>F21V 23 /-</u></b>
2021240051	2021258686		2021258692	2021259155	2021271944
2021253701	<b><u>C22B 21 /-</u></b>	2021238225	<b><u>E03B 7 /-</u></b>	<b><u>E21B 43 /-</u></b>	2021271944
2021255412		<b><u>D06H 7 /-</u></b>	2020443682	2020457518	<b><u>F23C 10 /-</u></b>
2021255616	2021240870		<b><u>E03F 1 /-</u></b>	2020458446	2020452710
2021261045	<b><u>C22B 3 /-</u></b>	2021260104	2021258692	2021259517	<b><u>F23G 7 /-</u></b>
2021262770		<b><u>D21F 11 /-</u></b>	<b><u>E04B 1 /-</u></b>	2021259517	2021246965
2021263179	<b><u>C22B 7 /-</u></b>	2020438610		<b><u>E21C 37 /-</u></b>	
2021273253		<b><u>D21H 21 /-</u></b>	2020437672	2020457518	<b><u>F23J 15 /-</u></b>
<b><u>C12N 7 /-</u></b>	2021255054		2020438610	2020458446	2021259517
	2021257437	<b><u>D21H 25 /-</u></b>	2021258692	2021259517	<b><u>F24F 11 /-</u></b>
2021243909	2021258686		<b><u>E04B 2 /-</u></b>	2021258900	2020448974
2021273253	<b><u>C22B 9 /-</u></b>	2020437672		<b><u>E21C 41 /-</u></b>	<b><u>F24S 20 /-</u></b>
<b><u>C12N 9 /-</u></b>		<b><u>D21H 27 /-</u></b>	2020437672	2021258900	2021236690
	2021240870		2020438610	<b><u>E21D 11 /-</u></b>	<b><u>F24S 50 /-</u></b>
2020451422	<b><u>C22C 47 /-</u></b>	2020437672	<b><u>E01C 13 /-</u></b>	2021258900	<b><u>F25B 1 /-</u></b>
2021236681		2020438610		<b><u>E21D 20 /-</u></b>	
2021236683	2021250464	<b><u>D21H 25 /-</u></b>	2021237983	2021367388	
2021238581	<b><u>C25B 15 /-</u></b>		<b><u>E04C 2 /-</u></b>	<b><u>E21F 15 /-</u></b>	<b><u>F24S 50 /-</u></b>
2021255739		2020437672		2021258900	2021236690
2021260014	2021255398	<b><u>D21H 27 /-</u></b>	2021237983		
2021261045	<b><u>C25C 3 /-</u></b>		<b><u>E04C 3 /-</u></b>	<b><u>F03D 17 /-</u></b>	
2021264512		2020437672		2021262176	
2021267859	<b><u>C12P 19 /-</u></b>	2020438610	<b><u>E04B 2 /-</u></b>		
<b><u>C12P 19 /-</u></b>		<b><u>E01C 23 /-</u></b>			
	2021240870		2021237983		
2021255739	<b><u>C25C 7 /-</u></b>	<b><u>E01C 13 /-</u></b>	2021250742		
2021260014			<b><u>E04C 2 /-</u></b>	<b><u>E21F 15 /-</u></b>	<b><u>F24S 50 /-</u></b>
2021274312	2021240870	2021260104		2021258900	2021236690
<b><u>C12P 21 /-</u></b>	<b><u>C25D 11 /-</u></b>	<b><u>E01C 23 /-</u></b>	2021237983	<b><u>F03D 17 /-</u></b>	
			2021250742		
2021240872	2021259056	2021249849	<b><u>E04C 3 /-</u></b>		
<b><u>C12P 5 /-</u></b>	2021260429	<b><u>E01C 7 /-</u></b>			
	<b><u>C25D 13 /-</u></b>		2021238895		
2021274312		2021249849	2021247414		
	2021259056		2021269161		

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

<b><u>F25B 41 /-</u></b>	<b><u>G01N 25 /-</u></b>	<b><u>G02B 1 /-</u></b>	2021290061 2021294837 2021294859	<b><u>G10K 11 /-</u></b>	<b><u>H01L 27 /-</u></b>
2020448974	2021321125	2021236973 2021237863 2021239052 2021404126		2021278963	2021294837 2021294859
<b><u>F25D 16 /-</u></b>	<b><u>G01N 30 /-</u></b>	<b><u>G02B 21 /-</u></b>	<b><u>G06N 20 /-</u></b>	<b><u>G11B 27 /-</u></b>	<b><u>H01L 31 /-</u></b>
2021277192	2021260885 2021265090	2021260953 2021265248 2021268917	2021256472 2021260953 2021265248 2021268917	2021249036 2021278117	2021244693
<b><u>F25J 1 /-</u></b>	<b><u>G01N 33 /-</u></b>	<b><u>G02B 27 /-</u></b>	<b><u>G06N 3 /-</u></b>	<b><u>G16B 15 /-</u></b>	<b><u>H01L 39 /-</u></b>
2021261350	2021236681 2021237769 2021238591 2021242306 2021249050	2021263958	2020447433 2021259109 2021259170 2021268692 2021270749 2021270892 2021291671	2021308081	2021280815 2021294837 2021294859
<b><u>F25J 3 /-</u></b>	<b><u>G02B 3 /-</u></b>	<b><u>G02B 6 /-</u></b>	<b><u>G06Q 10 /-</u></b>	<b><u>G16B 25 /-</u></b>	<b><u>H01M 10 /-</u></b>
2021261350	2021253637 2021256226 2021256402 2021258431 2021259852 2021263487 2021265090 2021267542 2021273014 2021281183	2021263958	2021238378 2021256472 2021259608 2021260566 2021285797 2021287302	2021264555	2021252433 2021253253 2021255763
<b><u>F26B 21 /-</u></b>	<b><u>G02B 6 /-</u></b>	<b><u>G06F 11 /-</u></b>	<b><u>G06Q 20 /-</u></b>	<b><u>G16B 30 /-</u></b>	<b><u>H01M 4 /-</u></b>
2021276736	2021297347	2021269916	2020447433	2021259958	2021252433 2021253253 2021254258
<b><u>F27B 15 /-</u></b>	<b><u>G06F 111 /-</u></b>	<b><u>G06F 15 /-</u></b>	<b><u>G06Q 30 /-</u></b>	<b><u>G16B 40 /-</u></b>	<b><u>H01M 50 /-</u></b>
2020452710	2021238378	2021270749	2020443848 2021265093 2021265099 2021268692	2021308081	2021278701 2021299624
<b><u>F27B 3 /-</u></b>	<b><u>G06F 15 /-</u></b>	<b><u>G06F 16 /-</u></b>	<b><u>G06Q 50 /-</u></b>	<b><u>G16B 99 /-</u></b>	<b><u>H01Q 1 /-</u></b>
2021240870	2021238378	2020447433 2021256472 2022203636	2021287302	2021276247	2021242222 2021249537
<b><u>F27D 15 /-</u></b>	<b><u>G06F 16 /-</u></b>	<b><u>G06F 17 /-</u></b>	<b><u>G06Q 7 /-</u></b>	<b><u>G16H 10 /-</u></b>	<b><u>H01M 4 /-</u></b>
2021240870	2021256385	2021256472 2021300620	2021265248 2021270979	2021260953	2021252433 2021253253 2021254258
<b><u>F27D 17 /-</u></b>	<b><u>G06F 17 /-</u></b>	<b><u>G06F 21 /-</u></b>	<b><u>G06V 10 /-</u></b>	<b><u>G16H 20 /-</u></b>	<b><u>H01Q 19 /-</u></b>
2021240870	2021270749	2021268917 2021272134 2021277569 2022211869 2022211872	2022203637	2021236742 2021260953	2021244357
<b><u>F27D 3 /-</u></b>	<b><u>G06F 21 /-</u></b>	<b><u>G06F 3 /-</u></b>	<b><u>G07C 5 /-</u></b>	<b><u>G16H 40 /-</u></b>	<b><u>H01Q 21 /-</u></b>
2020452710	2021255758	2021260953	2021255758	2021260953	2021242222 2021249537
<b><u>F28D 20 /-</u></b>	<b><u>G06F 30 /-</u></b>	<b><u>G06F 9 /-</u></b>	<b><u>G08B 13 /-</u></b>	<b><u>G16H 50 /-</u></b>	<b><u>H01Q 3 /-</u></b>
2021252160 2021256382	2021252208 2021252431	2021275032 2021293965	2021265722	2021260953	2021244357
<b><u>F42D 1 /-</u></b>	<b><u>G06F 9 /-</u></b>	<b><u>G06K 7 /-</u></b>	<b><u>G08B 21 /-</u></b>	<b><u>H01B 1 /-</u></b>	<b><u>H02G 3 /-</u></b>
2021259517	2021236690	2021247161	2021255758	2021254258	2021289355
<b><u>G01C 21 /-</u></b>	<b><u>G06F 3 /-</u></b>	<b><u>G06N 10 /-</u></b>	<b><u>G09B 19 /-</u></b>	<b><u>H01H 13 /-</u></b>	<b><u>H02J 3 /-</u></b>
2021263533	2021278963	2021272534	2021278117	2021258387	2020436114 2021244693 2021346875
<b><u>G01G 19 /-</u></b>	<b><u>G06F 30 /-</u></b>	<b><u>G06N 10 /-</u></b>	<b><u>G09G 5 /-</u></b>	<b><u>H01H 3 /-</u></b>	<b><u>H02K 1 /-</u></b>
2021239009	2021256735	2021272534	2021270749	2021346875	2021261556 2021346875
<b><u>G01L 15 /-</u></b>	<b><u>G06F 3 /-</u></b>	<b><u>G06N 10 /-</u></b>	<b><u>H01J 49 /-</u></b>	<b><u>H01L 21 /-</u></b>	<b><u>H02M 7 /-</u></b>
2021268692	2021256735	2021272534	2021265090	2021280815	2021317217
<b><u>G01N 1 /-</u></b>	<b><u>G06F 30 /-</u></b>	<b><u>G06N 10 /-</u></b>			
2021255683 2021265090 2021281183 2021321125	2021263420 2021278963				
<b><u>G01N 15 /-</u></b>	<b><u>G01V 1 /-</u></b>				
2021255683 2021265090 2021281183 2021321125	2021255758				
<b><u>G01N 15 /-</u></b>	<b><u>G01V 3 /-</u></b>				
2021321125	2021255758				
<b><u>G01N 21 /-</u></b>	<b><u>G01W 1 /-</u></b>				
2021297347	2021256472 2021321125				



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<b><u>H02S 20 /-</u></b>	<b><u>H04Q 11 /-</u></b>
2021237204	2021239382
2021240089	
2021244693	<b><u>H04R 5 /-</u></b>
2021257642	2021258825
<b><u>H02S 30 /-</u></b>	<b><u>H04S 1 /-</u></b>
2021244693	2021258825
<b><u>H02S 40 /-</u></b>	<b><u>H04S 5 /-</u></b>
2021237204	2021258825
<b><u>H02S 50 /-</u></b>	<b><u>H04W 12 /-</u></b>
2020453318	2021272134
2021236690	
<b><u>H04B 1 /-</u></b>	<b><u>H04W 28 /-</u></b>
2021249537	2021256599
2021274636	<b><u>H04W 4 /-</u></b>
<b><u>H04L 1 /-</u></b>	2021255758
2021268768	<b><u>H04W 48 /-</u></b>
2021274636	2021247219
<b><u>H04L 12 /-</u></b>	<b><u>H04W 52 /-</u></b>
2021239382	2021266008
2021319365	
<b><u>H04L 25 /-</u></b>	<b><u>H04W 72 /-</u></b>
2021274636	2021272167
<b><u>H04L 47 /-</u></b>	<b><u>H04W 80 /-</u></b>
2021247720	2021247720
2021275032	
<b><u>H04L 5 /-</u></b>	<b><u>H05H 1 /-</u></b>
2021244357	2021240870
<b><u>H04L 61 /-</u></b>	
2021247720	
<b><u>H04L 9 /-</u></b>	
2020447433	
2021242241	
2021268917	
2021269143	
2021270892	
2021300620	
2022211879	
<b><u>H04M 1 /-</u></b>	
2021255553	
<b><u>H04N 21 /-</u></b>	
2021249036	
<b><u>H04N 5 /-</u></b>	
2021297347	

Applications Accepted

Name Index

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(71) 8 Rivers Capital, LLC  
 (11) AU-B-2018323000  
 (21) 2018323000 (22) 27.08.2018  
 (54) Oxidative dehydrogenation of ethane using carbon dioxide  
 (51) Int. Cl.  
*C07C 5/42* ( 2006.01 )  
*C07C 11/04* ( 2006.01 )  
 (87) WO2019/043560  
 (31) 62/550,990 (32) 28.08.17 (33) US  
 (43) 07.03.2019  
 (44) 17.11.2022  
 (72) BEAUCHAMP, Damian; LU, Xijia; RA-FATI, Mohammad  
 (74) Spruson & Ferguson

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**ABB Schweiz AG see Hitachi Energy Switzerland AG**  
 (21) 2018251134

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**ABB Schweiz AG see Hitachi Energy Switzerland AG**  
 (21) 2019348020

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(71) Ab Initio Technology LLC  
 (11) AU-B-2021200669  
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 (54) WORKLOAD AUTOMATION AND DATA LINEAGE ANALYSIS  
 (51) Int. Cl.  
*G06F 9/50* ( 2006.01 )  
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*C12N 5/07* ( 2010.01 )  
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 (74) ACROGON GROUP PTY LTD

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 (51) Int. Cl.  
*G06F 21/32* ( 2013.01 )  
*G06Q 99/00* ( 2006.01 )

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 (54) METHOD AND USER EQUIPMENT FOR IMPLEMENTING NTN MOBILITY  
 (51) Int. Cl.  
*H04B 7/185* ( 2006.01 )  
*H04W 4/30* ( 2018.01 )  
*H04W 48/16* ( 2009.01 )  
*H04W 84/06* ( 2009.01 )  
 (31) 63/071,371 (32) 28.08.20 (33) US  
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 (72) CHENG, Ching-Wen  
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 (54) A cosmetic composition and the use thereof for regulating skin quality  
 (51) Int. Cl.  
*A61K 31/425* ( 2006.01 )  
*A61K 31/12* ( 2006.01 )  
*A61K 31/122* ( 2006.01 )  
*A61K 31/166* ( 2006.01 )  
*A61K 31/192* ( 2006.01 )  
*A61K 31/194* ( 2006.01 )  
*A61K 31/216* ( 2006.01 )  
*A61K 31/245* ( 2006.01 )  
*A61K 31/343* ( 2006.01 )  
*A61K 31/351* ( 2006.01 )  
*A61K 31/375* ( 2006.01 )  
*A61K 31/39* ( 2006.01 )  
*A61K 31/4035* ( 2006.01 )  
*A61K 31/4412* ( 2006.01 )  
*A61K 31/513* ( 2006.01 )  
*A61K 31/522* ( 2006.01 )  
*A61K 31/536* ( 2006.01 )  
*A61K 31/616* ( 2006.01 )  
*A61Q 19/02* ( 2006.01 )  
*A61Q 19/08* ( 2006.01 )  
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 (74) MINTER ELLISON

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 (51) Int. Cl.  
*C07D 471/04* ( 2006.01 )  
*A61K 31/437* ( 2006.01 )  
*A61K 31/444* ( 2006.01 )  
*A61K 31/496* ( 2006.01 )  
*A61P 25/00* ( 2006.01 )  
*C07D 471/14* ( 2006.01 )  
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 (43) 12.12.2019  
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 (74) Davies Collison Cave Pty Ltd

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*A01N 25/02* ( 2006.01 )  
*A01N 43/78* ( 2006.01 )  
*A01P 5/00* ( 2006.01 )  
 (87) WO2018/104787  
 (31) 62/517,391 (32) 09.06.17 (33) US  
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 (51) Int. Cl.  
*C12Q 1/68* ( 2006.01 )  
*G01N 33/483* ( 2006.01 )  
*G01N 33/50* ( 2006.01 )  
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 (31) 62/243,078 (32) 18.10.15 (33) US  
 (43) 27.04.2017  
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 (11) AU-B-2020276694  
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 (51) Int. Cl.

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**C21B 13/14** ( 2006.01 )  
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**(72)** BOUWER, Petrus Hendrik Ferreira  
**(74)** WRAYS PTY LTD

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**(11)** AU-B-2018209639  
**(21)** 2018209639 **(22)** 12.01.2018  
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**(51)** Int. Cl.  
**C09D 5/00** ( 2006.01 )  
**C09D 5/16** ( 2006.01 )  
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**(31)** 17151859.0 **(32)** 17.01.17 **(33)** EP  
**(43)** 26.07.2018  
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**(11)** AU-B-2021204196  
**(21)** 2021204196 **(22)** 22.06.2021  
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**(51)** Int. Cl.  
**B27C 9/00** ( 2006.01 )  
**(43)** 15.07.2021  
**(44)** 17.11.2022  
**(62)** 2016200534  
**(72)** Aplin, Richard Henry; Jenner, Vaughan Mathew  
**(74)** Davies Collison Cave Pty Ltd

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**(11)** AU-B-2017344432  
**(21)** 2017344432 **(22)** 19.09.2017  
**(54)** Surgical instrument having a surface texture  
**(51)** Int. Cl.  
**A61B 17/28** ( 2006.01 )  
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**(31)** 62/409,660 **(32)** 18.10.16 **(33)** US  
 62/517,504 09.06.17 US  
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**(44)** 17.11.2022  
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**(74)** Phillips Ormonde Fitzpatrick

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**(11)** AU-B-2019398292  
**(21)** 2019398292 **(22)** 09.12.2019

**(54)** Method of controlling centrifugal separator and centrifugal separator  
**(51)** Int. Cl.  
**B04B 1/08** ( 2006.01 )  
**B04B 1/14** ( 2006.01 )  
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**(31)** 18211245.8 **(32)** 10.12.18 **(33)** EP  
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**(72)** KÖNIGSSON, Staffan  
**(74)** FB Rice Pty Ltd

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**(71)** Allegro Pharmaceuticals, Inc.  
**(11)** AU-B-2020250268  
**(21)** 2020250268 **(22)** 08.10.2020  
**(54)** INTEGRIN RECEPTOR ANTAGONISTS AND THEIR METHODS OF USE  
**(51)** Int. Cl.  
**A61K 38/00** ( 2006.01 )  
**(43)** 05.11.2020  
**(44)** 17.11.2022  
**(62)** 2018264033  
**(72)** Mackel, Michael John; Park, John Y.; Karageozian, Hampar L.; Karageozian, Vicken H.  
**(74)** Davies Collison Cave Pty Ltd

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**(11)** AU-B-2019201238  
**(21)** 2019201238 **(22)** 22.02.2019  
**(54)** Railway vehicle control method, associated device and system  
**(51)** Int. Cl.  
**B61L 3/02** ( 2006.01 )  
**B61L 3/00** ( 2006.01 )  
**(31)** 1851692 **(32)** 27.02.18 **(33)** FR  
**(43)** 12.09.2019  
**(44)** 17.11.2022  
**(72)** Radomiak, Andre  
**(74)** Davies Collison Cave Pty Ltd

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**(71)** Amazon Technologies, Inc.  
**(11)** AU-B-2021240176  
**(21)** 2021240176 **(22)** 29.09.2021  
**(54)** SYSTEM, METHOD AND COMPUTER-READABLE STORAGE MEDIUM FOR CUSTOMIZABLE EVENT-TRIGGERED COMPUTATION AT EDGE LOCATIONS  
**(51)** Int. Cl.  
**G06F 9/455** ( 2018.01 )  
**(43)** 28.10.2021  
**(44)** 17.11.2022  
**(62)** 2020220160  
**(72)** Radhakrishnan, Manigandan; Zakharenko, Oleksii; Howard, Craig Wesley; Vijayaraghavan, Venkatesh; Katiyar, Shubham  
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**(71)** Ambrx, Inc.  
**(11)** AU-B-2020217337  
**(21)** 2020217337 **(22)** 11.08.2020  
**(54)** Compositions containing, methods involving, and uses of non-natural amino acid linked dolastatin derivatives

**(51)** Int. Cl.  
**C07D 417/12** ( 2006.01 )  
**A61K 31/427** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07D 207/08** ( 2006.01 )  
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**(43)** 27.08.2020  
**(44)** 17.11.2022  
**(62)** 2018203639  
**(72)** Miao, Zhenwal; Atkinson, Kyle C.; Biroc, Sandra; Buss, Timothy; Cook, Melissa; Kraynov, Vadim; Marsden, Robin; Pinkstaff, Jason; Skidmore, Lillian; Sun, Ying; Szydluk, Angieszka; Valenta, Ianina  
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**(11)** AU-B-2016302573  
**(21)** 2016302573 **(22)** 01.08.2016  
**(54)** Antibody constructs for CD70 and CD3  
**(51)** Int. Cl.  
**C07K 16/28** ( 2006.01 )  
**C07K 16/46** ( 2006.01 )  
**(87)** WO2017/021354  
**(31)** 62/290,886 **(32)** 03.02.16 **(33)** US  
 62/199,935 31.07.15 US  
**(43)** 09.02.2017  
**(44)** 17.11.2022  
**(72)** Raum, Tobias; Deisting, Wibke; Bluemel, Claudia; Panzer, Marc; Hoffmann, Patrick; Nahrwold, Elisabeth; Nolan-Stevaux, Olivier; Lutterbuese, Ralf  
**(74)** WRAYS PTY LTD

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**(71)** Anchor Balloon, Inc.  
**(11)** AU-B-2019370133  
**(21)** 2019370133 **(22)** 25.09.2019  
**(54)** System And Method For Controlled Delivery Of Medical Devices Into Patient Bodies  
**(51)** Int. Cl.  
**A61M 25/10** ( 2013.01 )  
**(87)** WO2020/091914  
**(31)** 16/176,481 **(32)** 31.10.18 **(33)** US  
**(43)** 07.05.2020  
**(44)** 17.11.2022  
**(72)** GUPTA, Vishal  
**(74)** WRAYS PTY LTD

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**(71)** Ansell Limited  
**(11)** AU-B-2017322085  
**(21)** 2017322085 **(22)** 29.08.2017  
**(54)** Conductive soles for protective suits  
**(51)** Int. Cl.  
**A43B 7/36** ( 2006.01 )  
**A41D 13/008** ( 2006.01 )  
**A43B 3/00** ( 2006.01 )  
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**(31)** 62/381,167 **(32)** 30.08.16 **(33)** US  
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 (72) Liu, Jing; Zhu, Zhimin; Bryce, Paul  
 (74) GLMR

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(71) Apellis Pharmaceuticals, Inc.  
 (11) AU-B-2020260435  
 (21) 2020260435 (22) 28.10.2020  
 (54) Cell-reactive, long-acting, or targeted compstatin analogs and related compositions and methods  
 (51) Int. Cl.  
**C07K 7/00** ( 2006.01 )  
**A61K 38/04** ( 2006.01 )  
**A61P 37/00** ( 2006.01 )  
**C12N 5/00** ( 2006.01 )

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 (72) Francois, Cedric; Deschatelets, Pascal  
 (74) FB Rice Pty Ltd

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(71) Apple Inc.  
 (11) AU-B-2019396427  
 (21) 2019396427 (22) 10.12.2019  
 (54) Digital watermarking of machine-learning models  
 (51) Int. Cl.  
**G06K 9/62** ( 2006.01 )  
**G06N 20/00** ( 2019.01 )

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 (31) 16/215,544 (32) 10.12.18 (33) US  
 (43) 18.06.2020  
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 (72) ZATLOUKAL, Peter  
 (74) FPA Patent Attorneys Pty Ltd

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(71) Apple Inc.  
 (11) AU-B-2020269590  
 (21) 2020269590 (22) 31.03.2020  
 (54) Avatar integration with multiple applications  
 (51) Int. Cl.  
**G06F 3/0488** ( 2013.01 )  
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 (74) FPA Patent Attorneys Pty Ltd

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(71) Apple Inc.  
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 (21) 2020281126 (22) 04.12.2020

(54) Rotary input mechanism for an electronic device  
 (51) Int. Cl.  
**G06F 3/02** ( 2006.01 )  
**G04G 21/08** ( 2010.01 )

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 (62) 2019204516  
 (72) ROTHKOPF, Fletcher R.; WERNER, Christopher M.; ELY, Colin M.; MORRELL, John B.; MOUSSETTE, Camille; KERR, Duncan; SHEDLETSKY, Anna-Katrina  
 (74) FPA Patent Attorneys Pty Ltd

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(71) Apple Inc.  
 (11) AU-B-2021215172  
 (21) 2021215172 (22) 11.08.2021  
 (54) Accelerated scrolling and selection  
 (51) Int. Cl.  
**G06F 3/048** ( 2013.01 )

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 (62) 2020223752  
 (72) ALONSO RUIZ, Marcos; LEMAY, Stephen O.; MAGAHERN, James; PATERSON, Toby C.; COFFMAN, Patrick L.  
 (74) FPA Patent Attorneys Pty Ltd

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(71) Arch Wood Protection, Inc.  
 (11) AU-B-2020286354  
 (21) 2020286354 (22) 14.12.2020  
 (54) Wood preservative composition  
 (51) Int. Cl.  
**B27K 3/22** ( 2006.01 )  
**C08L 79/02** ( 2006.01 )

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 (44) 17.11.2022  
 (62) 2019200383  
 (72) Thompson, Kimberlee; Thomason, Susan; Valcke, Alex; Cantrell, David  
 (74) Spruson & Ferguson

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(71) Arris Composites Inc.  
 (11) AU-B-2019423287  
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 (54) Method for the design and efficient manufacture of fiber-composite parts  
 (51) Int. Cl.  
**G06F 30/17** ( 2020.01 )  
**B29C 70/30** ( 2006.01 )  
**B29C 70/46** ( 2006.01 )  
**B29C 70/54** ( 2006.01 )  
**G06F 30/23** ( 2020.01 )  
**G06F 111/04** ( 2020.01 )  
**G06F 113/22** ( 2020.01 )  
**G06F 113/24** ( 2020.01 )  
**G06F 113/26** ( 2020.01 )  
**G06F 119/14** ( 2020.01 )  
**G06F 119/18** ( 2020.01 )

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 (43) 23.07.2020

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 (72) ESCOWITZ, Ethan; PERKINS, J. Scott; REESE, Riley; DAVIDSON, Erick; HENNESSEE, Sean  
 (74) Alder IP Pty Ltd

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(71) AT Space Pty Ltd  
 (11) AU-B-2021204231  
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 (54) Drogue Parachute System for Spacecraft  
 (51) Int. Cl.  
**B64G 1/62** ( 2006.01 )  
**B64D 17/68** ( 2006.01 )  
**B64D 17/74** ( 2006.01 )  
**B64D 17/80** ( 2006.01 )

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 (72) CHEN, Yen-Sen  
 (74) A.P.T. Patent and Trade Mark Attorneys

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 (21) 2018347464 (22) 21.09.2018  
 (54) Image-based branch detection and mapping for navigation  
 (51) Int. Cl.  
**G06T 7/00** ( 2017.01 )  
**A61B 6/03** ( 2006.01 )

(87) WO2019/074650  
 (31) 15/783,903 (32) 13.10.17 (33) US  
 (43) 18.04.2019  
 (44) 17.11.2022  
 (72) UMMALANENI, Ritwik  
 (74) Spruson & Ferguson

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(71) Automaton, Inc.  
 (11) AU-B-2018243962  
 (21) 2018243962 (22) 28.03.2018  
 (54) Methods and apparatus for locating RFID tags  
 (51) Int. Cl.  
**G01S 5/02** ( 2010.01 )

(87) WO2018/183571  
 (31) 62/577,530 (32) 26.10.17 (33) US  
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 (43) 04.10.2018  
 (44) 17.11.2022  
 (72) Hewett, Spencer; Blair, Adam; Seiff, Ken; Murphy, Michael; Wieman, Mark; Adlin, Tamara  
 (74) Spruson & Ferguson

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 (21) 2017312325 (22) 18.08.2017  
 (54) Needle assemblies and related methods  
 (51) Int. Cl.  
**A61M 25/06** ( 2006.01 )  
**A61M 25/00** ( 2006.01 )  
**A61M 39/10** ( 2006.01 )

(87) WO2018/033628  
 (31) 62/377,307 (32) 19.08.16 (33) US  
 (43) 22.02.2018

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 (72) Chong, Meng Mun  
 (74) Davies Collison Cave Pty Ltd

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 (21) 2021240147

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 (21) 2022204014

(71) Baxter International Inc; Baxter Healthcare SA  
 (11) AU-B-2022204014  
 (21) 2022204014 (22) 09.06.2022  
 (54) INSULIN PREMIX FORMULATION AND PRODUCT, METHODS OF PREPARING SAME, AND METHODS OF USING SAME  
 (51) Int. Cl.  
     **A61K 38/28** ( 2006.01 )  
     **A61K 47/02** ( 2006.01 )  
 (43) 30.06.2022  
 (44) 17.11.2022  
 (62) 2020267734  
 (72) WONG, Joseph Chung Tak; LEE, Sarah Elizabeth  
 (74) K&L Gates

(71) Baxter International Inc.; Baxter Healthcare SA  
 (11) AU-B-2021240147  
 (21) 2021240147 (22) 28.09.2021  
 (54) SYSTEM AND METHOD FOR PERFORMING ALTERNATIVE AND SEQUENTIAL BLOOD AND PERITONEAL DIALYSIS MODALITIES  
 (51) Int. Cl.  
     **A61M 1/14** ( 2006.01 )  
     **A61M 1/16** ( 2006.01 )  
     **A61M 1/28** ( 2006.01 )  
 (43) 28.10.2021  
 (44) 17.11.2022  
 (62) 2020200961  
 (72) ROHDE, Justin Belanger; MINKUS, Marc Steven  
 (74) Maxwells Patent & Trade Mark Attorneys Pty Ltd

(71) Bayer Aktiengesellschaft  
 (11) AU-B-2019260016  
 (21) 2019260016 (22) 18.04.2019  
 (54) Novel heteroaryl-triazole and heteroaryl-tetrazole compounds as pesticides  
 (51) Int. Cl.  
     **C07D 401/04** ( 2006.01 )  
     **A01N 43/00** ( 2006.01 )  
     **A01P 17/00** ( 2006.01 )  
     **A61K 31/4196** ( 2006.01 )  
     **A61K 31/437** ( 2006.01 )  
     **A61K 31/4439** ( 2006.01 )  
     **A61K 31/506** ( 2006.01 )  
     **A61P 33/00** ( 2006.01 )  
     **C07D 403/04** ( 2006.01 )

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 (87) WO2019/206799  
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     18169333.4 25.04.18 EP  
     18188221.8 09.08.18 EP  
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 (72) ARLT, Alexander; HALLENBACH, Werner; SCHWARZ, Hans-Georg; FÜSSLEIN, Martin; WROBLOWSKY, Heinz-Juergen; BUSCATO ARSEQUPELL, Estella; LINKA, Marc; ILG, Kerstin; DAMIJONAITIS, Arunas Jonas; EBBINGHAUS-KINTSCHER, Ulrich; GÖRGENS, Ulrich; CANCHO GRANDE, Yolanda; JESCHKE, Peter; TELSER, Joachim; HEISLER, Iring; TURBERG, Andreas  
 (74) Davies Collison Cave Pty Ltd

(71) Becton, Dickinson and Company  
 (11) AU-B-2019204928  
 (21) 2019204928 (22) 09.07.2019  
 (54) MASSIVELY PARALLEL SINGLE CELL ANALYSIS  
 (51) Int. Cl.  
     **C12Q 1/68** ( 2006.01 )  
 (43) 25.07.2019  
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 (62) 2014312208  
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 (74) Pizzey's Patent and Trade Mark Attorneys Pty Ltd

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 (54) Syringe tip cap  
 (51) Int. Cl.  
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 (74) Dark IP

(71) Becton, Dickinson and Company  
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 (21) 2021202117 (22) 07.04.2021  
 (54) Method of sample preparation for Maldi and automated system therefor  
 (51) Int. Cl.  
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     **H01J 49/40** ( 2006.01 )  
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 (72) WILES, Timothy; MANTLO, John D.  
 (74) FB Rice Pty Ltd

(71) Becton, Dickinson and Company  
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 (51) Int. Cl.  
     **A61M 5/00** ( 2006.01 )  
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 (72) Falkovich, Margarita  
 (74) FB Rice Pty Ltd

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     **B65B 35/02** ( 2006.01 )  
     **B65D 83/04** ( 2006.01 )  
     **G07F 11/00** ( 2006.01 )  
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(71) Beijing Gushen Life Health Technology Co., Ltd.; Institute of Materia Medica, Chinese Academy of Medical Sciences  
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 (51) Int. Cl.  
     **A61K 31/7076** ( 2006.01 )  
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 (21) 2020204728 (22) 02.01.2020  
 (54) Breathable geosynthetic clay liner and production process therefor  
 (51) Int. Cl.  
     **E02B 3/12** ( 2006.01 )  
     **B32B 5/06** ( 2006.01 )

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**(74)** Spruson & Ferguson

**(71)** Belanger, Inc.  
**(11)** AU-B-2017264610  
**(21)** 2017264610 **(22)** 09.05.2017  
**(54)** A mechanism for selectively opening/closing an air blower inlet opening  
**(51)** Int. Cl.  
**F26B 21/00** ( 2006.01 )  
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**F04D 27/00** ( 2006.01 )  
**F26B 21/12** ( 2006.01 )  
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**(71)** Berpu Medical Technology Co., Ltd.  
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**(21)** 2020222607 **(22)** 21.01.2020  
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**(51)** Int. Cl.  
**A61M 5/32** ( 2006.01 )  
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**(74)** Madderns Pty Ltd

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**(54)** Trans-replicating RNA  
**(51)** Int. Cl.  
**C12N 15/86** ( 2006.01 )  
**A61K 48/00** ( 2006.01 )  
**C12N 5/10** ( 2006.01 )  
**C12N 15/40** ( 2006.01 )  
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**(71)** Biowim Products GmbH  
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**(21)** 2017365203 **(22)** 15.11.2017  
**(54)** Instrument for skin stretching  
**(51)** Int. Cl.  
**A61B 17/08** ( 2006.01 )  
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**(31)** 10 2016 122 593.2 **(32)** 23.11.16 **(33)** DE  
**(43)** 31.05.2018  
**(44)** 17.11.2022  
**(72)** Fleischmann, Wilhelm  
**(74)** Franke Hyland Pty Ltd

**(71)** BiSN Tec Ltd  
**(11)** AU-B-2017270919  
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**(54)** Down-hole chemical heater and methods of operating such  
**(51)** Int. Cl.  
**E21B 36/00** ( 2006.01 )  
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**(72)** Carragher, Paul; Bedouet, Sylvain  
**(74)** Phillips Ormonde Fitzpatrick

**(71)** Black & Decker Inc.  
**(11)** AU-B-2017286900  
**(21)** 2017286900 **(22)** 30.06.2017  
**(54)** Driver rebound plate for a fastening tool  
**(51)** Int. Cl.  
**B25C 1/00** ( 2006.01 )  
**B25C 5/16** ( 2006.01 )  
**B25C 7/00** ( 2006.01 )  
**B27F 7/00** ( 2006.01 )  
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**(74)** Davies Collison Cave Pty Ltd

**(71)** Bostik, Inc.  
**(11)** AU-B-2017364099  
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**(54)** Hot melt adhesives for bonding elastomeric components, nonwoven materials, and thermoplastic films  
**(51)** Int. Cl.  
**C09J 123/12** ( 2006.01 )  
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**C08L 23/14** ( 2006.01 )  
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**(74)** Dark IP

**(71)** Boston Scientific Limited  
**(11)** AU-B-2019370125  
**(21)** 2019370125 **(22)** 01.11.2019  
**(54)** Devices, systems, and methods for a biopsy cap and housing  
**(51)** Int. Cl.  
**A61B 1/00** ( 2006.01 )  
**A61B 1/018** ( 2006.01 )  
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**(31)** 62/755,024 **(32)** 02.11.18 **(33)** US  
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**(44)** 17.11.2022

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**(74)** Spruson & Ferguson

**(71)** Bristol-Myers Squibb Company  
**(11)** AU-B-2018304290  
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**(54)** Process for the preparation of N-((1R,2S,5R)-5-(tert-butylamino)-2-((S)-3-(7-tert-butylpyrazolo[1,5-a][1,3,5]triazin-4-ylamino)-2-oxopyrrolidin-1-yl)cyclohexyl)acetamide  
**(51)** Int. Cl.  
**C07D 235/06** ( 2006.01 )  
**C07C 233/41** ( 2006.01 )  
**C07D 207/273** ( 2006.01 )  
**C07D 487/04** ( 2006.01 )  
**(87)** WO2019/018592

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**(43)** 24.01.2019  
**(44)** 17.11.2022  
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**(74)** AJ PARK

**(71)** British American Tobacco (Investments) Limited  
**(11)** AU-B-2021201472  
**(21)** 2021201472 **(22)** 09.03.2021  
**(54)** A filter for a smoking article or an aerosol generating product

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**A24B 15/28** ( 2006.01 )  
**A24D 3/04** ( 2006.01 )

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(51) Int. Cl.  
**B01D 53/06** ( 2006.01 )  
**B01D 53/26** ( 2006.01 )  
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(51) Int. Cl.  
**A61N 2/00** ( 2006.01 )  
**A61B 18/00** ( 2006.01 )  
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(54) Lithium ion battery

(51) Int. Cl.  
**H01G 11/78** ( 2013.01 )  
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**H01G 11/10** ( 2013.01 )  
**H01G 11/80** ( 2013.01 )  
**H01M 10/05** ( 2010.01 )  
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(74) Spruson & Ferguson

(71) CareFusion 303, Inc.  
(11) AU-B-2021277726  
(21) 2021277726 (22) 02.12.2021  
(54) Priming apparatus and method

(51) Int. Cl.  
**A61M 5/14** ( 2006.01 )  
**A61M 5/162** ( 2006.01 )  
**A61M 39/24** ( 2006.01 )

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(72) YEH, Jonathan; SMITH, Jake R.; PARK, Soon Y.; NGUYEN, Tammy  
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(21) 2022204615 (22) 29.06.2022  
(54) Door movement system for cabinet

(51) Int. Cl.  
**A47G 29/14** ( 2006.01 )

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(44) 17.11.2022  
(62) 2021263319  
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(74) FB Rice Pty Ltd

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(54) Tool erosion detecting system using augmented reality

(51) Int. Cl.  
**E02F 9/26** ( 2006.01 )  
**E02F 9/28** ( 2006.01 )

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(74) FPA Patent Attorneys Pty Ltd

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(51) Int. Cl.  
**G06T 11/00** ( 2006.01 )  
**E02F 9/00** ( 2006.01 )  
**G09G 5/377** ( 2006.01 )

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(51) Int. Cl.  
**C07D 271/10** ( 2006.01 )  
**A61K 31/433** ( 2006.01 )

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(74) FPA Patent Attorneys Pty Ltd

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(21) 2021201537 (22) 10.03.2021  
(54) Methods of increasing crop yield under abiotic stress

(51) Int. Cl.  
**A01H 5/00** ( 2018.01 )  
**C12N 15/20** ( 2006.01 )  
**C12N 15/82** ( 2006.01 )

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(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

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(11) AU-B-2019225246  
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(54) Systems and methods for broadcasting digital data to a plurality of receivers

(51) Int. Cl.  
**H04B 7/212** ( 2006.01 )

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(44) 17.11.2022  
(72) SMITH, Colin York  
(74) Blue Penguin IP Ltd

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(71) China Pharmaceutical University  
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(21) 2020317159 (22) 13.04.2020  
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(51) Int. Cl.  
**C07C 311/29** ( 2006.01 )  
**A61P 1/00** ( 2006.01 )  
**A61P 3/10** ( 2006.01 )  
**A61P 9/10** ( 2006.01 )  
**A61P 11/00** ( 2006.01 )  
**A61P 13/12** ( 2006.01 )  
**A61P 19/02** ( 2006.01 )  
**A61P 25/16** ( 2006.01 )

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**A61P 39/06** ( 2006.01 )  
**C07C 303/40** ( 2006.01 )  
**C07D 307/82** ( 2006.01 )  
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**(31)** 201910673326.3 **(32)** 24.07.19 **(33)** CN  
**(43)** 28.01.2021  
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**(72)** YOU, Qidong; JIANG, Zhengyu; LIU, Yuting; LU, Mengchen; SHAO, Hongli; ZHAO, Jing; XU, Xiaoli; GUO, Xiaoke; WANG, Lei  
**(74)** Tecrich IP

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**(54)** Variants of chymosin with improved properties  
**(51)** Int. Cl.  
**C12N 9/64** ( 2006.01 )  
**C12N 15/57** ( 2006.01 )  
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**(43)** 29.12.2016  
**(44)** 17.11.2022  
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**(11)** AU-B-2018452176  
**(21)** 2018452176 **(22)** 04.12.2018  
**(54)** Real time digital content concealment  
**(51)** Int. Cl.  
**G06F 21/00** ( 2013.01 )  
**(87)** WO2020/113427  
**(43)** 11.06.2020  
**(44)** 17.11.2022  
**(72)** WEI, Daowen; DING, Jian; WANG, Hengbo  
**(74)** FB Rice Pty Ltd

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**(71)** Clumio, Inc.  
**(11)** AU-B-2020264946  
**(21)** 2020264946 **(22)** 23.04.2020  
**(54)** Deduplication in a cloud-based data protection service  
**(51)** Int. Cl.  
**G06F 11/14** ( 2006.01 )  
**(87)** WO2020/223103  
**(31)** 62/840,569 **(32)** 30.04.19 **(33)** US  
**(43)** 05.11.2020  
**(44)** 17.11.2022  
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**(74)** RnB IP Pty Ltd

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**(71)** CNH Industrial America LLC  
**(11)** AU-B-2017278208

**(21)** 2017278208 **(22)** 09.06.2017  
**(54)** operator station for an autonomous work vehicle  
**(51)** Int. Cl.  
**B60K 26/02** ( 2006.01 )  
**B60N 2/04** ( 2006.01 )  
**B62D 1/02** ( 2006.01 )  
**E02F 9/08** ( 2006.01 )  
**G05D 1/00** ( 2006.01 )  
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**(31)** 15/179,539 **(32)** 10.06.16 **(33)** US  
**(43)** 14.12.2017  
**(44)** 17.11.2022  
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**(74)** Griffith Hack

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**(11)** AU-B-2019370691  
**(21)** 2019370691 **(22)** 30.10.2019  
**(54)** An agricultural baling machine  
**(51)** Int. Cl.  
**A01F 15/08** ( 2006.01 )  
**A01D 69/06** ( 2006.01 )  
**(87)** WO2020/089283  
**(31)** 18204222.6 **(32)** 02.11.18 **(33)** EP  
**(43)** 07.05.2020  
**(44)** 17.11.2022  
**(72)** BONTE, Xavier G.J.M.; DEMON, Frederik  
**(74)** Ellis Terry

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**(71)** CNH Industrial Belgium NV  
**(11)** AU-B-2019373378  
**(21)** 2019373378 **(22)** 30.10.2019  
**(54)** Improvements in or relating to agricultural baling machines  
**(51)** Int. Cl.  
**A01F 15/08** ( 2006.01 )  
**(87)** WO2020/089306  
**(31)** 18204221.8 **(32)** 02.11.18 **(33)** EP  
**(43)** 07.05.2020  
**(44)** 17.11.2022  
**(72)** BONTE, Xavier G.J.M.; DEMON, Frederik  
**(74)** Ellis Terry

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**(71)** COBALT BLUE HOLDINGS LTD  
**(11)** AU-B-2021204219  
**(21)** 2021204219 **(22)** 22.06.2021  
**(54)** Recovery of Metals from Pyrite  
**(51)** Int. Cl.  
**C22B 3/06** ( 2006.01 )  
**C22B 1/11** ( 2006.01 )  
**C22B 23/00** ( 2006.01 )  
**(43)** 15.07.2021  
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**(72)** TONG, ANDREW ROBERT  
**(74)** Griffith Hack

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**(71)** Colgate-Palmolive Company  
**(11)** AU-B-2018453029  
**(21)** 2018453029 **(22)** 14.12.2018

**(54)** Silicone free emulsion-based personal care compositions and methods for the same  
**(51)** Int. Cl.  
**A61K 8/44** ( 2006.01 )  
**A61K 8/06** ( 2006.01 )  
**A61Q 19/00** ( 2006.01 )  
**(87)** WO2020/122941  
**(43)** 18.06.2020  
**(44)** 17.11.2022  
**(72)** VASQUEZ, Elizabeth; BOYKE, Christine; SOLIMAN, Nadia  
**(74)** Spruson & Ferguson

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**A61B 5/117** ( 2006.01 )  
**G01P 15/09** ( 2006.01 )  
**H02N 2/18** ( 2006.01 )  
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**A43B 5/02** ( 2006.01 )  
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*C25B 9/00* ( 2006.01 )  
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*D06F 35/00* ( 2006.01 )  
*D06L 4/24* ( 2017.01 )  
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**H04N 19/593** ( 2014.01 )  
**H04N 19/119** ( 2014.01 )  
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**B65D 41/04** ( 2006.01 )  
**A45F 3/16** ( 2006.01 )  
**B65D 41/26** ( 2006.01 )  
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(51) Int. Cl.  
**H01M 16/00** ( 2006.01 )  
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 A61F 9/00 ( 2006.01 )  
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 for heating water  
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 A61K 31/194 ( 2006.01 )  
 A61K 31/343 ( 2006.01 )  
 A61K 31/4035 ( 2006.01 )  
 A61K 31/4245 ( 2006.01 )  
 A61K 31/7004 ( 2006.01 )  
 A61P 7/00 ( 2006.01 )  
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 A61P 9/00 ( 2006.01 )  
 A61P 9/08 ( 2006.01 )  
 A61P 11/00 ( 2006.01 )  
 A61P 25/00 ( 2006.01 )  
 A61P 29/00 ( 2006.01 )  
 A61P 35/00 ( 2006.01 )  
 A61P 37/02 ( 2006.01 )  
 C07C 49/693 ( 2006.01 )  
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 C07D 307/89 ( 2006.01 )  
 C07D 403/12 ( 2006.01 )  
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 A61K 31/715 ( 2006.01 )  
 A61K 33/00 ( 2006.01 )  
 A61K 35/12 ( 2006.01 )  
 A61K 35/60 ( 2006.01 )  
 A61K 36/28 ( 2006.01 )  
 A61K 36/286 ( 2006.01 )  
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 A61K 36/63 ( 2006.01 )  
 A61K 38/02 ( 2006.01 )  
 A61P 1/12 ( 2006.01 )  
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     **A61N 1/18** ( 2006.01 )  
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 (72) Seo, Ho-seong; Park, Kyung-wan; Lee, Ga-eun; Jung, Ji-hyun; Cho, Shi-yun  
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     **G01N 35/00** ( 2006.01 )  
     **G06K 19/077** ( 2006.01 )  
     **H01Q 7/00** ( 2006.01 )  
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 (54) Wirelessly-powered electronic devices  
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 (51) Int. Cl.  
*E04B 1/94* ( 2006.01 )  
*A62C 2/06* ( 2006.01 )  
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*B32B 5/00* ( 2006.01 )  
*C09K 5/06* ( 2006.01 )  
*C09K 21/14* ( 2006.01 )  
*E04B 1/62* ( 2006.01 )  
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 (51) Int. Cl.  
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 (72) SETOS, Andrew  
 (74) Phillips Ormonde Fitzpatrick

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 (51) Int. Cl.  
*F15B 1/24* ( 2006.01 )  
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 (51) Int. Cl.  
*C07D 211/70* ( 2006.01 )  
*A61K 31/45* ( 2006.01 )  
*A61K 31/45A* ( 2006.01 )  
*A61K 31/5377* ( 2006.01 )  
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 (74) FPA Patent Attorneys Pty Ltd

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 (54) ADVANCED COMPONENT BASED CONVEYOR BELT SPLICER  
 (51) Int. Cl.  
*F16G 3/10* ( 2006.01 )  
*B65G 15/30* ( 2006.01 )  
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 (72) Shaw, Timothy  
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 (54) Method for driving a support roller, controller, drive system, conveyor belt device, and computer program product  
 (51) Int. Cl.  
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*B65G 23/32* ( 2006.01 )  
*B65G 43/04* ( 2006.01 )  
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 (54) Method and device for diagnosing a railroad switch with a point machine  
 (51) Int. Cl.  
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*G01R 19/00* ( 2006.01 )  
*G01R 31/317* ( 2006.01 )  
*G05B 23/02* ( 2006.01 )  
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 (51) Int. Cl.

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**(74)** Spruson & Ferguson

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**(51)** Int. Cl.  
**H02J 3/06** ( 2006.01 )  
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**H02J 3/18** ( 2006.01 )  
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**(21)** 2020267495 **(22)** 06.05.2020  
**(54)** Scanning device  
**(51)** Int. Cl.  
**A61B 1/24** ( 2006.01 )  
**A61C 7/08** ( 2006.01 )  
**A61C 11/08** ( 2006.01 )  
**A61C 19/04** ( 2006.01 )  
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**(11)** AU-B-2021212093  
**(21)** 2021212093 **(22)** 06.08.2021  
**(54)** Joint press adapter  
**(51)** Int. Cl.  
**B25B 27/06** ( 2006.01 )  
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**(43)** 03.03.2022  
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**(72)** GAINES, Preston T.  
**(74)** Griffith Hack

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**(51)** Int. Cl.  
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**A61P 1/04** ( 2006.01 )

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**(54)** PHOTOVOLTAIC SYSTEM FOR GENERATING ELECTRICITY WITH AN AUXILIARY CHARGING MODULE  
**(51)** Int. Cl.  
**H01L 31/042** ( 2014.01 )  
**H02S 20/32** ( 2014.01 )  
**(31)** 18382022 **(32)** 18.01.18 **(33)** EP  
**(43)** 01.08.2019  
**(44)** 17.11.2022  
**(72)** FERNÁNDEZ LUQUE, FRANCISCO JESÚS; VILLAREJO MAÑAS, JOSÉ ANTONIO; GRACIA INGLES, JOSÉ ÁNGEL  
**(74)** Fraser Old & Sohn

**(71)** Southern Handling And Delivery, LLC  
**(11)** AU-B-2017263262  
**(21)** 2017263262 **(22)** 08.05.2017  
**(54)** Adjustable wrench  
**(51)** Int. Cl.  
**B25B 13/10** ( 2006.01 )  
**B25B 13/50** ( 2006.01 )  
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**(31)** 15/149,227 **(32)** 09.05.16 **(33)** US  
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**(72)** Nammoto, Yuji  
**(74)** Walker IP

**(71)** Spinrite Inc.  
**(11)** AU-B-2021200511  
**(21)** 2021200511 **(22)** 28.01.2021  
**(54)** A system, method, and material for encouraging study or mastery of a fibre art skill  
**(51)** Int. Cl.  
**G09B 19/20** ( 2006.01 )  
**G09B 5/00** ( 2006.01 )  
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**(72)** Verway, John; Cross, Karen Margaret; Smith, Janet Elaine  
**(74)** IP SOLVED (ANZ) PTY. LTD.

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**(54)** Method and device for reporting random access statistical information  
**(51)** Int. Cl.  
**H04W 24/02** ( 2009.01 )  
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**B63B 43/02** ( 2006.01 )  
**B63H 21/21** ( 2006.01 )  
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**(54)** Method of controlling nematodes  
**(51)** Int. Cl.  
**A01N 43/22** ( 2006.01 )  
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**(72)** CLEMENS, Christopher  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Technological Resources Pty. Limited  
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**(54)** A belt rip detection system  
**(51)** Int. Cl.  
**B65G 43/02** ( 2006.01 )  
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**(43)** 22.02.2018  
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**(72)** Asarpota, Ankit; Davies, Brett; Galvin, Tim; Grace, Andre; Green, Mick; New, Shane; Pienaar, Greg; Suryawinata, Edward; Suvarna, Satyajith; Thomas, Michael; White, Jamie  
**(74)** Griffith Hack

**(71)** Telstra Corporation Limited  
**(11)** AU-B-2021203896  
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**(54)** Resource management in telecommunications networks  
**(51)** Int. Cl.  
**H04W 72/10** ( 2009.01 )  
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**(74)** Davies Collison Cave Pty Ltd

**(71)** TeneoBio, Inc.  
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**(21)** 2017327723 **(22)** 20.06.2017  
**(54)** CD3 binding antibodies  
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**C07K 16/46** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
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Pham, Duy  
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**(71)** TF Tech Ventures  
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**(54)** Rapidly disintegrating oral film matrix  
**(51)** Int. Cl.  
**A61K 9/00** ( 2006.01 )  
**A61K 47/10** ( 2017.01 )  
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**(54)** Leaf rake  
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Daniel; Fegley, Jeffrey Joseph;  
Blaszczak, Gregory J.  
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**(71)** The Chinese University of Hong Kong  
**(11)** AU-B-2022200046  
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**(54)** Maternal plasma transcriptome analysis by massively parallel RNA sequencing  
**(51)** Int. Cl.  
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Wai Kwun; CHAN, Kwan Chee; JIANG,  
Peiyong; TSUI, Bo Yin  
**(74)** Griffith Hack

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**(54)** Pathogen-resistant animals having modified CD163 genes  
**(51)** Int. Cl.  
**A01K 67/027** ( 2006.01 )  
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**(44)** 17.11.2022  
**(72)** Prather, Randall S.; Wells, Kevin D.;  
Whitworth, Kristin M.  
**(74)** Pizzeys Patent and Trade Mark Attorneys Pty Ltd

**(71)** The Flume Catheter Company Limited  
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**(54)** Urinary catheter  
**(51)** Int. Cl.  
**A61M 25/00** ( 2006.01 )  
**A61M 25/10** ( 2013.01 )  
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**(44)** 17.11.2022  
**(72)** Havard, John; Holmes, Roger  
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**(71)** The General Hospital Corporation  
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**(54)** Systems for and methods for using biomimetic structures providing communication in living tissue  
**(51)** Int. Cl.  
**C12N 5/00** ( 2006.01 )  
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**(72)** Vacanti, Joseph P.  
**(74)** Spruson & Ferguson

**(71)** The Johns Hopkins University  
**(11)** AU-B-2016297778  
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**(54)** Compositions and methods of RNA analysis  
**(51)** Int. Cl.

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**(72)** Larman, Harry Benjamin; Credle, Joel  
**(74)** Griffith Hack

**(71)** The Regents of the University of California  
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**(54)** Methods and devices for analyte collection, extraction, concentration, and detection for clinical applications  
**(51)** Int. Cl.  
**G01N 33/569** ( 2006.01 )  
**G01N 33/543** ( 2006.01 )  
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**(72)** Kamei, Daniel T.; Chiu, Yin To; Wu,  
Benjamin M.; Mosley, Garrett L.  
**(74)** Pizzeys Patent and Trade Mark Attorneys Pty Ltd

**(71)** The Regents of the University of Michigan  
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**(54)** ASH1L inhibitors and methods of treatment therewith  
**(51)** Int. Cl.  
**C07D 209/00** ( 2006.01 )  
**A61K 31/395** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**A61P 35/02** ( 2006.01 )  
**C07D 213/83** ( 2006.01 )  
**(87)** WO2017/197240  
**(31)** 62/335,160 **(32)** 12.05.16 **(33)** US  
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**(72)** Grembecka, Jolanta; Cierpicki, Tomasz;  
Rogawski, David; Borkin, Dmitry; Klosowski, Szymon; Zhuang, Jin; Montgometry, Deanna; Deng, Jing; Szewczyk, Marta; Li, Hao  
**(74)** Davies Collison Cave Pty Ltd

**(71)** The United States of America, as represented by the Secretary, Department of Health and Human Services  
**(11)** AU-B-2020203465  
**(21)** 2020203465 **(22)** 26.05.2020  
**(54)** Anti-mutated KRAS T cell receptors  
**(51)** Int. Cl.  
**C07K 14/82** ( 2006.01 )  
**A61K 45/06** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**(43)** 18.06.2020  
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**(72)** Wang, Qiong J.; Yu, Zhiya; Yang,  
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     **C08L 101/00** ( 2006.01 )  
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**(54)** Terminal Capability Identifier Operation Method and Communications Device  
**(51)** Int. Cl.  
**H04W 8/20** ( 2009.01 )  
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**F16D 48/02** ( 2006.01 )  
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**(54)** METHOD FOR OPERATING A KITCHEN SYSTEM, KITCHEN SYSTEM FOR PREPARING FOOD, AND COMPUTER PROGRAM PRODUCT  
**(51)** Int. Cl.  
**A47J 44/00** ( 2006.01 )  
**A47J 43/04** ( 2006.01 )  
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**(74)** Pizzey's Patent and Trade Mark Attorneys Pty Ltd

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**A61F 2/36** ( 2006.01 )  
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**A61F 2/46** ( 2006.01 )  
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**(74)** Michael Buck IP

**(71)** Watson Marlow GmbH  
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**(54)** Pump device for delivery of at least one delivery means  
**(51)** Int. Cl.  
**F04B 43/00** ( 2006.01 )  
**F04B 43/12** ( 2006.01 )  
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**(31)** 10 2017 104 400.0 **(32)** 02.03.17 **(33)** DE  
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**(71)** Wave Life Sciences Ltd.  
**(11)** AU-B-2016297155  
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**(54)** Oligonucleotide compositions and methods thereof  
**(51)** Int. Cl.  
**A61K 48/00** ( 2006.01 )  
**C12N 15/113** ( 2010.01 )  
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**(71)** Waymo LLC  
**(11)** AU-B-2021266362  
**(21)** 2021266362 **(22)** 13.11.2021

**(54)** CAMERA RING STRUCTURE FOR AUTONOMOUS VEHICLES  
**(51)** Int. Cl.  
**H04N 5/225** ( 2006.01 )  
**H04N 5/232** ( 2006.01 )  
**H04N 5/247** ( 2006.01 )  
**H05K 9/00** ( 2006.01 )  
**(43)** 09.12.2021  
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**(11)** AU-B-2021206920  
**(21)** 2021206920 **(22)** 26.07.2021  
**(54)** SYSTEM AND METHOD FOR ESTABLISHING VEHICLE DISTRIBUTED POWER ARRANGEMENT  
**(51)** Int. Cl.  
**H04W 8/00** ( 2009.01 )  
**B61L 15/00** ( 2006.01 )  
**G08C 17/02** ( 2006.01 )  
**H04W 76/14** ( 2018.01 )  
**H04W 84/00** ( 2009.01 )  
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**(43)** 17.02.2022  
**(44)** 17.11.2022  
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**(74)** Phillips Ormonde Fitzpatrick

**(71)** Wilhelm Modersohn GmbH & Co KG  
**(11)** AU-B-2021322640  
**(21)** 2021322640 **(22)** 06.07.2021  
**(54)** Anchor rail and method for producing an anchor rail  
**(51)** Int. Cl.  
**E04B 1/41** ( 2006.01 )  
**(87)** WO2022/028799  
**(31)** 10 2020 120 750.6 **(32)** 06.08.20 **(33)** DE  
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**(74)** FOUNDRY INTELLECTUAL PROPERTY PTY LTD

**Williams, S. see K&N Engineering, Inc.**  
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**(71)** Wm. Wrigley Jr. Company  
**(11)** AU-B-2021200204  
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**(51)** Int. Cl.  
**A23G 3/34** ( 2006.01 )  
**A23G 3/48** ( 2006.01 )  
**A23L 3/01** ( 2006.01 )  
**A23L 3/015** ( 2006.01 )  
**A23L 19/00** ( 2016.01 )  
**A23L 25/00** ( 2016.01 )

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**A23L 29/231** ( 2016.01 )  
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**(54)** Child stroller frame  
**(51)** Int. Cl.  
**B62B 7/10** ( 2006.01 )  
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**(71)** Yale University  
**(11)** AU-B-2016338782  
**(21)** 2016338782 **(22)** 11.10.2016  
**(54)** Genome-Scale T Cell Activity Array and methods of use thereof  
**(51)** Int. Cl.  
**G01N 33/50** ( 2006.01 )  
**(87)** WO2017/066172  
**(31)** 62/241,466 **(32)** 14.10.15 **(33)** US  
**(43)** 20.04.2017  
**(44)** 17.11.2022  
**(72)** Chen, Lieping; Wang, Jun  
**(74)** Davies Collison Cave Pty Ltd

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**(71)** Yangtze Memory Technologies Co., Ltd.  
**(11)** AU-B-2019455154  
**(21)** 2019455154 **(22)** 28.06.2019  
**(54)** Methods of semiconductor device fabrication  
**(51)** Int. Cl.  
**H01L 21/31** ( 2006.01 )  
**H01L 27/11551** ( 2017.01 )  
**(87)** WO2020/258224  
**(43)** 30.12.2020  
**(44)** 17.11.2022  
**(72)** WANG, Qiguang; WU, Gonglian  
**(74)** FB Rice Pty Ltd

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**(71)** Yau Lee Wah Construction Materials (Huizhou) Company Limited  
**(11)** AU-B-2018267563  
**(21)** 2018267563 **(22)** 20.11.2018  
**(54)** MODULAR INTEGRATED BUILDING AND CONSTRUCTION METHOD THEREOF  
**(51)** Int. Cl.  
**E04B 1/348** ( 2006.01 )  
**E04B 1/35** ( 2006.01 )  
**E04B 1/41** ( 2006.01 )  
**(31)** 201811114829.9 **(32)** 25.09.18 **(33)** CN  
**(43)** 09.04.2020

**(44)** 17.11.2022  
**(72)** Wong, Conrad Tin Cheung; Wong, Rosana Wai Man  
**(74)** Phillips Ormonde Fitzpatrick

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**(71)** Ye, M.  
**(11)** AU-B-2021277665  
**(21)** 2021277665 **(22)** 30.11.2021  
**(54)** High-Reliability Device for Flocking Processing of Sampling Swab  
**(51)** Int. Cl.  
**B05C 19/00** ( 2006.01 )  
**A61B 10/02** ( 2006.01 )  
**B05C 1/00** ( 2006.01 )  
**G01N 1/02** ( 2006.01 )  
**(31)** 2021111225789.7 **(32)** 21.10.21 **(33)** CN  
**(43)** 17.11.2022  
**(44)** 17.11.2022  
**(72)** Ye, Manyu; Ye, Chaohua  
**(74)** PATENTS AU PTY LTD

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**(71)** Yissum Research Development Company of the Hebrew University of Jerusalem Ltd.  
**(11)** AU-B-2019377278  
**(21)** 2019377278 **(22)** 07.11.2019  
**(54)** Anchorage-independent cells and use thereof  
**(51)** Int. Cl.  
**C12N 5/077** ( 2010.01 )  
**C12N 5/00** ( 2006.01 )  
**(87)** WO2020/095305  
**(31)** 62/757,275 **(32)** 08.11.18 **(33)** US  
**(43)** 14.05.2020  
**(44)** 17.11.2022  
**(72)** NAHMIAS, Yaakov; COHEN, Merav  
**(74)** Davies Collison Cave Pty Ltd

Numerical Index

<b>2015404563</b>	The Curators of the University of Missouri	<b>2017321300</b>	Hackensack University Medical Center
<b>2016282825</b>	Chr. Hansen A/S	<b>2017322085</b>	Ansell Limited
<b>2016297155</b>	Wave Life Sciences Ltd.	<b>2017326791</b>	Kyowa Kirin Co., Ltd.
<b>2016297778</b>	The Johns Hopkins University	<b>2017327723</b>	TeneoBio, Inc.
<b>2016302573</b>	Amgen Research (Munich) GmbH; Amgen Inc.	<b>2017331279</b>	Juul Labs, Inc.
<b>2016307768</b>	The General Hospital Corporation	<b>2017333695</b>	Creanova Universal Closures Ltd.
<b>2016318103</b>	The Regents of the University of California	<b>2017344010</b>	PerkinElmer Health Sciences, Inc.
<b>2016325630</b>	Regeneron Pharmaceuticals, Inc.	<b>2017344432</b>	Alcon Inc.
<b>2016333512</b>	F. Hoffmann-La Roche AG	<b>2017345636</b>	Smartbow GmbH
<b>2016334893</b>	Decipher Biosciences, Inc.	<b>2017345780</b>	Magic Leap, Inc.
<b>2016338680</b>	Fate Therapeutics, Inc.	<b>2017349575</b>	Rapid Medical Ltd.
<b>2016338782</b>	Yale University	<b>2017356847</b>	Magic Leap, Inc.
<b>2016339989</b>	LanzaTech NZ, Inc.	<b>2017359293</b>	E-Health Technical Solutions, S.L.
<b>2016341845</b>	Affymetrix, Inc.	<b>2017361119</b>	Envirochasing IP Holdings Pty Ltd
<b>2016348675</b>	HOOKIPA Biotech GmbH	<b>2017362910</b>	Magic Leap, Inc.
<b>2016364624</b>	Otago Innovation Limited	<b>2017364099</b>	Bostik, Inc.
<b>2016368289</b>	Genzyme Corporation	<b>2017365203</b>	Biowim Products GmbH
<b>2016387339</b>	ABT Holding Company; Katholieke Universiteit Leuven	<b>2017370359</b>	Waldemar Link GmbH & Co. KG
<b>2016395451</b>	Lockheed Martin Energy, LLC	<b>2017371909</b>	Adama Makhteshim Ltd.
<b>2016403734</b>	Visa International Service Association	<b>2017376652</b>	Caterpillar Inc.
<b>2017201116</b>	Fujitsu General Limited	<b>2017376996</b>	Officine Maccaferri S.p.A.
<b>2017201519</b>	O'Neill, C.	<b>2017377057</b>	Quantum-Si Incorporated
<b>2017204278</b>	Melitta Europa GmbH & Co. KG	<b>2017377388</b>	Haldor Topsøe A/S
<b>2017209950</b>	Achromaz Pte. Ltd.	<b>2017383126</b>	Titan Trailers Inc.
<b>2017212787</b>	Duallok Limited	<b>2017390346</b>	Minova International Limited
<b>2017214763</b>	Cycrete Pty. Ltd.	<b>2017401563</b>	Halliburton Energy Services, Inc.
<b>2017217881</b>	Mayo Foundation for Medical Education and Research	<b>2017403029</b>	Proceq SA
<b>2017221461</b>	Lippert Components Manufacturing, Inc.	<b>2018200066</b>	Noritz Corporation
<b>2017223078</b>	Live Earth Imaging Enterprises, LLC	<b>2018200820</b>	MARICI Holdings The Netherlands B.V.
<b>2017226940</b>	Vetco Gray Scandinavia AS	<b>2018204672</b>	Accenture Global Solutions Limited
<b>2017229224</b>	Mitochon Pharmaceuticals, Inc.; BioVentures, LLC	<b>2018206059</b>	Nokia Technologies Oy
<b>2017231717</b>	K&N Engineering, Inc.; Williams, S.	<b>2018209337</b>	The Flume Catheter Company Limited
<b>2017233089</b>	Beijing Gushen Life Health Technology Co., Ltd.; Institute of Materia Medica, Chinese Academy of Medical Sciences	<b>2018209352</b>	Tutela Technologies Ltd.
<b>2017234375</b>	Commonwealth Scientific and Industrial Research Organisation	<b>2018209639</b>	Akzo Nobel Coatings International B.V.
<b>2017236240</b>	BioNTech SE; TRON - Translationale Onkologie an der Universitätsmedizin der Johannes Gutenberg-Universität Mainz gemeinnützige GmbH	<b>2018212014</b>	Global Tel*Link Corp.
<b>2017236695</b>	Macchiavelli S.r.l.	<b>2018217131</b>	IDAC Holdings, Inc.
<b>2017242677</b>	Svitzer A/S	<b>2018227862</b>	Caterpillar Trimble Control Technologies LLC
<b>2017242908</b>	SHIELD TX (UK) LIMITED	<b>2018228760</b>	Watson Marlow GmbH
<b>2017247557</b>	Mubea Carbo Tech GmbH	<b>2018230440</b>	Rigetti & Co, Inc.
<b>2017248461</b>	Rinnai Corporation	<b>2018231813</b>	Sato Holdings Kabushiki Kaisha
<b>2017256071</b>	London School of Hygiene & Tropical Medicine	<b>2018235950</b>	Emulate, Inc.; Cedars-Sinai Medical Center
<b>2017257395</b>	Schmetzer Industries Holdings Pty Limited	<b>2018238363</b>	NUVATE INC.
<b>2017260066</b>	Electrolux Appliances Aktiebolag	<b>2018243962</b>	Automaton, Inc.
<b>2017260270</b>	Global Bioenergies	<b>2018248304</b>	University of Massachusetts
<b>2017263262</b>	Southern Handling And Delivery, LLC	<b>2018251021</b>	Becton Dickinson Rowa Germany GmbH
<b>2017263574</b>	The Regents of the University of Michigan	<b>2018251134</b>	Hitachi Energy Switzerland AG; ABB Schweiz AG
<b>2017264610</b>	Belanger, Inc.	<b>2018263859</b>	GOJO Industries, Inc.
<b>2017268084</b>	Diversey, Inc.	<b>2018267563</b>	Yau Lee Wah Construction Materials (Huizhou) Company Limited
<b>2017270919</b>	BiSN Tec Ltd	<b>2018273825</b>	Commonwealth Scientific and Industrial Research Organisation
<b>2017278208</b>	CNH Industrial America LLC	<b>2018276237</b>	Thales
<b>2017280112</b>	Saluda Medical Pty Ltd	<b>2018279061</b>	SOLTEC ENERGÍAS RENOVABLES, S.L.
<b>2017283720</b>	Portola Pharmaceuticals, Inc.	<b>2018281028</b>	Peleman Industries, Naamloze Vennootschap
<b>2017284391</b>	Otsuka Pharmaceutical Factory, Inc.	<b>2018290650</b>	Lely Patent N.V.
<b>2017286900</b>	Black & Decker Inc.	<b>2018291792</b>	Smart Wires Inc.
<b>2017290434</b>	Electrolux Appliances Aktiebolag	<b>2018292610</b>	Magic Leap, Inc.
<b>2017303176</b>	Toppan Printing Co., Ltd.	<b>2018298234</b>	Lummus Technology LLC
<b>2017312325</b>	B. Braun Melsungen AG	<b>2018298623</b>	Tokuyama Corporation
<b>2017313433</b>	Technological Resources Pty. Limited	<b>2018304290</b>	Bristol-Myers Squibb Company
<b>2017313733</b>	University of Rochester	<b>2018306444</b>	Nimbus Lakshmi, Inc.
<b>2017313836</b>	Joy Global Underground Mining LLC	<b>2018310024</b>	Tohoku University
<b>2017317297</b>	Voith Patent GmbH	<b>2018323000</b>	8 Rivers Capital, LLC
<b>2017318135</b>	Deutsche Saatveredelung AG	<b>2018330784</b>	PI Industries Ltd.
<b>2017319140</b>	LifeCell Corporation	<b>2018333913</b>	Daiichi Sankyo Company, Limited
		<b>2018342934</b>	Fuji Oil Europe
		<b>2018347464</b>	Auris Health, Inc.
		<b>2018352463</b>	P6 Medical Pty Ltd



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2018356648	Mann+Hummel GmbH	2019420297	Huawei Technologies Co., Ltd.
2018358025	GOJO Industries, Inc.	2019421312	Huawei Technologies Co., Ltd.
2018372199	Reed, L.	2019423287	Arris Composites Inc.
2018374072	Halliburton Energy Services, Inc.	2019424568	Nordischer Maschinenbau Rud. Baader GmbH + Co. KG
2018385435	Cadenza Innovation, Inc.	2019427789	Daikin Industries, Ltd.
2018390413	Raytheon Company	2019437513	Mitsubishi Electric Corporation
2018390863	Urban Software Institute GmbH	2019444489	Oasense
2018390981	LKM (Aust) Pty Ltd	2019455154	Yangtze Memory Technologies Co., Ltd.
2018401518	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	2019461393	Guangzhou Shiyuan Electronics Co., Ltd.; Guangzhou Shizhen Information Technology Co., Ltd.
2018436153	Setos Family Trust	2019462665	Shandong University of Science and Technology
2018437600	Reqmed Company, Ltd.	2020203465	The United States of America, as represented by the Secretary, Department of Health and Human Services
2018451720	Hewlett-Packard Development Company, L.P.	2020203609	MEDERIS DIABETES, LLC
2018452176	Citrix Systems, Inc.	2020204241	MERCK PATENT GMBH
2018453029	Colgate-Palmolive Company	2020204728	Beijing Rechsand Science & Technology Group Co., Ltd.; Renschand Eco-Environment Protection Science And Technology Co., Ltd.
2018455569	Huawei Digital Power Technologies Co., Ltd.	2020205236	GlaxoSmithKline Biologicals SA
2019200208	Costa Del Mar, Inc.	2020205944	Wonderland Switzerland AG
2019201238	ALSTOM Transport Technologies	2020208709	Vivo Mobile Communication Co., Ltd.
2019203261	Healthear Pty Ltd	2020213761	Pfizer Inc.
2019203411	Bry Air [Asia] Pvt. Ltd.	2020214954	Vivo Mobile Communication Co., Ltd.
2019203909	Third Zeton IP Pty Ltd	2020217337	Ambix, Inc.
2019204928	Becton, Dickinson and Company	2020220701	Daikin Industries, Ltd.
2019205752	Petromac IP Limited	2020220895	Lutris Pharma Ltd.
2019222468	Qualcomm Incorporated	2020221467	PPG Industries Ohio, Inc.
2019225246	CeWi Networks, Inc.	2020222083	Pfizer Inc.
2019246403	GE Healthcare Limited	2020222345	Novartis AG
2019260016	Bayer Aktiengesellschaft	2020222607	Berpu Medical Technology Co., Ltd.
2019261472	LG Electronics Inc.	2020227054	The Ames Companies, Inc.
2019279431	LG Electronics Inc.	2020229400	Qingdao Haier Refrigerator Co., Ltd.; Haier Smart Home Co., Ltd.
2019280590	AC Immune SA	2020233768	Rhodes, J.
2019282656	MED-EL Elektromedizinische Geraete GmbH	2020239703	SHAW-ALMEX INDUSTRIES LIMITED
2019288463	Desiccare, Inc.	2020244464	Société des Produits Nestlé S.A.
2019289648	Mimi Hearing Technologies GmbH	2020244557	VIBRANT LTD.
2019295701	KHANANIA, S.	2020250268	Allegro Pharmaceuticals, Inc.
2019302664	TF Tech Ventures	2020250877	Tokamak Energy Ltd
2019309513	Oakley, Inc.	2020256074	Kattmann Elias, LLC
2019320922	Shenzhen Chipscreen Biosciences, Co., Ltd.	2020257753	Nu Eyne Co., Ltd.
2019323633	Tyco Electronics Raychem GmbH	2020260435	Apellis Pharmaceuticals, Inc.
2019330453	Great Wall Motor Company Limited	2020264404	Corbin Clinical Resources, LLC
2019333136	W. L. Gore & Associates, Inc.	2020264946	Clumio, Inc.
2019345581	Daikin Industries, Ltd.	2020267251	HANKOOK TIRE & TECHNOLOGY CO., LTD
2019346258	Korea Institute of Geoscience and Mineral Resources	2020267495	SmileDirectClub LLC
2019348020	Hitachi Energy Switzerland AG; ABB Schweiz AG	2020269590	Apple Inc.
2019348372	Siemens Aktiengesellschaft	2020270472	LG ELECTRONICS INC.
2019351530	Shanghai Longwood Biopharmaceuticals Co., Ltd.	2020276694	African Rainbow Minerals Limited
2019355138	Polaris Industries Inc.	2020277137	Mitsubishi Power, Ltd.
2019357100	Gree Electric Appliances, Inc. of Zhuhai	2020281126	Apple Inc.
2019357365	Nippon Telegraph and Telephone Corporation	2020285269	Medshine Discovery Inc.
2019370125	Boston Scientific Limited	2020286178	Gilead Sciences, Inc.
2019370133	Anchor Balloon, Inc.	2020286354	Arch Wood Protection, Inc.
2019370691	CNH Industrial Belgium NV	2020294935	F. Hoffmann-La Roche AG
2019373378	CNH Industrial Belgium NV	2020304050	USA Industries, LLC
2019373520	Nanjing Iron & Steel Co., Ltd.	2020306219	Ústav organické chemie a biochemie AV ČR v. v. i.
2019376002	Schlage Lock Company LLC	2020314927	Remacro Technology Co., Ltd.
2019377278	Yissum Research Development Company of the Hebrew University of Jerusalem Ltd.	2020315548	Becton, Dickinson and Company
2019378353	KORTUC Inc.	2020317159	China Pharmaceutical University
2019381145	Huawei Technologies Co., Ltd.	2020384026	Nantong University
2019381268	Consensus Cloud Solutions International Limited	2021200006	Joy Global Underground Mining LLC
2019381615	Syngenta Crop Protection AG	2021200094	Gen-Probe Incorporated
2019388208	Elkem ASA	2021200097	Nippon Telegraph and Telephone Corporation; Mitsubishi Heavy Industries, Ltd.
2019392988	Fraunhofer-Gesellschaft Zur Förderung Der Angewandten Forschung E.V.	2021200204	Wm. Wrigley Jr. Company
2019394097	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	2021200222	Hedera Hashgraph, LLC
2019396427	Apple Inc.	2021200355	NAN Global, LLC
2019396551	MAKO Surgical Corp.	2021200432	Unigen, Inc.; Unigen, Inc.
2019398292	Alfa Laval Corporate AB	2021200511	Spinrite Inc.
2019401444	DJO, LLC	2021200540	Concave Global Pty Ltd
2019413100	DIC Corporation		
2019413741	Spreadtrum Communications Shanghai Co. Ltd.		
2019420068	HyET Holding B.V.		

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2021200669 Ab Initio Technology LLC  
2021201031 Illinois Tool Works Inc.  
2021201100 Samsung Electronics Co., Ltd.  
2021201184 Rearden, LLC  
2021201472 British American Tobacco (Investments) Limited  
2021201513 Hayward Industries, Inc.  
2021201537 Ceres, Inc.  
2021201572 LG ELECTRONICS INC.  
2021201667 Cedars-Sinai Medical Center  
2021201674 Vorwerk & Co. Interholding GmbH  
2021202117 Becton, Dickinson and Company  
2021202193 FISHER & PAYKEL HEALTHCARE LIMITED  
2021202346 Halliburton Energy Services, Inc.  
2021202393 Huawei Technologies Co., Ltd.  
2021202557 Johnson & Johnson Consumer Inc.  
2021202567 FISHER & PAYKEL HEALTHCARE LIMITED  
2021202652 Sakura Finetek U.S.A., Inc.  
2021202685 INCYTE HOLDINGS CORPORATION  
2021203020 RIGHT GROUP CENTRAL CO., LTD.  
2021203184 Visa Europe Limited  
2021203196 Becton, Dickinson and Company  
2021203387 Dexcom, Inc.  
2021203417 Nissan Chemical America Corporation  
2021203896 Telstra Corporation Limited  
2021204005 Ekona Power Inc.  
2021204180 Precision Planting LLC  
2021204196 Albert Johnson Pty Ltd  
2021204219 COBALT BLUE HOLDINGS LTD  
2021204231 AT Space Pty Ltd  
2021204739 Turntide Technologies Inc.  
2021204799 Rail Control Systems Australia Pty Ltd  
2021206920 Westinghouse Air Brake Technologies Corporation  
2021212093 Snap-on Incorporated  
2021215172 Apple Inc.  
2021215245 Indian Oil Corporation Limited; Department Of Biotechnology  
2021215279 Detnet South Africa (Pty) Ltd  
2021221916 BTL Medical Solutions a.s.  
2021221919 Acer Incorporated  
2021225217 PPG Industries Ohio, Inc.  
2021233029 Separation Design Group LLC; Belluscura LLC  
2021240147 Baxter International Inc.; Baxter Healthcare SA  
2021240176 Amazon Technologies, Inc.  
2021258005 Magic Leap, Inc.  
2021266301 Siemens Mobility GmbH  
2021266362 Waymo LLC  
2021273430 Hyosung Heavy Industries Corporation  
2021277665 Ye, M.  
2021277726 CareFusion 303, Inc.  
2021322640 Wilhelm Modersohn GmbH & Co KG  
2021367385 Visa International Service Association  
2022200046 The Chinese University of Hong Kong  
2022202152 Hydros Bottle, LLC  
2022202745 LINEAGE LOGISTICS, LLC  
2022204014 Baxter International Inc; Baxter Healthcare SA  
2022204021 Prolitec Inc.  
2022204615 Carter-Hoffmann, LLC  
2022204904 Reeves, J.  
2022209207 PepsiCo, Inc.  
2022215286 Firefly Automatix, Inc.  
2022228164 Marigold International Pty Ltd

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<b><u>A01C 7 /-</u></b>	<b><u>A22C 25 /-</u></b>	2017322085	2021201031	<b><u>A61F 6 /-</u></b>	<b><u>A61K 35 /-</u></b>
2021204180	2019424568	<b><u>A43B 13 /-</u></b>	<b><u>A61B 1 /-</u></b>	2020233768	2017284391
<b><u>A01D 69 /-</u></b>	<b><u>A23D 7 /-</u></b>	2017322085	2019370125	<b><u>A61F 9 /-</u></b>	<b><u>A61K 36 /-</u></b>
2019370691	2018342934	<b><u>A43B 19 /-</u></b>	2020267495	2019333136	2017284391
<b><u>A01D 7 /-</u></b>	<b><u>A23D 9 /-</u></b>	2021200540	<b><u>A61B 10 /-</u></b>	2020257753	2021200432
2020227054	2018342934	<b><u>A43B 23 /-</u></b>	2020264404	<b><u>A61H 21 /-</u></b>	<b><u>A61K 38 /-</u></b>
<b><u>A01F 15 /-</u></b>	<b><u>A23G 1 /-</u></b>	2021200540	2021277665	2020244557	2017217881
2019370691	2018342934	<b><u>A43B 3 /-</u></b>	<b><u>A61B 17 /-</u></b>	<b><u>A61H 23 /-</u></b>	2017284391
2019373378	<b><u>A23G 3 /-</u></b>	2017322085	2017344432	2020244557	2018248304
<b><u>A01G 20 /-</u></b>	2018342934	2021200540	2017365203	<b><u>A61J 1 /-</u></b>	2020203609
2022215286	2021200204	<b><u>A43B 5 /-</u></b>	2018352463	2019378353	2020250268
<b><u>A01G 31 /-</u></b>	<b><u>A23G 9 /-</u></b>	2021200540	2019396551	<b><u>A61J 3 /-</u></b>	2022204014
2017318135	2018342934	<b><u>A43B 7 /-</u></b>	2020264404	2018251021	<b><u>A61K 39 /-</u></b>
<b><u>A01G 9 /-</u></b>	<b><u>A23L 17 /-</u></b>	2017322085	<b><u>A61B 18 /-</u></b>	<b><u>A61K 129 /-</u></b>	2016348675
2017318135	2019424568	<b><u>A45F 3 /-</u></b>	2021221916	2017284391	2017217881
<b><u>A01H 5 /-</u></b>	<b><u>A23L 19 /-</u></b>	2022202152	<b><u>A61B 3 /-</u></b>	2017284391	2017256071
2021201537	2021200204	<b><u>A47C 17 /-</u></b>	2017359293	<b><u>A61K 131 /-</u></b>	2017327723
<b><u>A01J 11 /-</u></b>	<b><u>A23L 2 /-</u></b>	2020314927	2021258005	<b><u>A61K 145 /-</u></b>	2020203465
2018290650	2022228164	<b><u>A47C 23 /-</u></b>	<b><u>A61B 34 /-</u></b>	<b><u>A61K 147 /-</u></b>	2020205236
<b><u>A01J 5 /-</u></b>	<b><u>A23L 25 /-</u></b>	2020314927	2019396551	<b><u>A61K 149 /-</u></b>	2017326791
2018290650	2021200204	<b><u>A47D 1 /-</u></b>	<b><u>A61B 5 /-</u></b>	2016364624	2020203465
<b><u>A01K 67 /-</u></b>	<b><u>A23L 27 /-</u></b>	2018238363	<b><u>A61B 6 /-</u></b>	2016368289	2021200355
2015404563	2021200204	<b><u>A47G 29 /-</u></b>	2018347464	2017209950	<b><u>A61K 45 /-</u></b>
<b><u>A01N 25 /-</u></b>	<b><u>A23L 29 /-</u></b>	2022204615	<b><u>A61B 90 /-</u></b>	2017217881	2017326791
2017371909	2020244464	<b><u>A47J 27 /-</u></b>	2017263574	2017229224	2019302664
<b><u>A01N 43 /-</u></b>	2021200204	2019295701	2017284391	2017233089	2022204014
2018330784	2017284391	<b><u>A47J 31 /-</u></b>	2017326791	2017242908	<b><u>A61K 48 /-</u></b>
2019260016	2020244464	2017204278	2018310024	2017256071	2016297155
2019381615	2020244464	<b><u>A47J 43 /-</u></b>	2018333913	2017263574	2017236240
<b><u>A01P 17 /-</u></b>	<b><u>A23L 33 /-</u></b>	2021201674	2018437600	2017284391	2018248304
2019260016	2017284391	<b><u>A47J 44 /-</u></b>	2019260016	2017326791	2020205236
<b><u>A01P 3 /-</u></b>	2020244464	2019295701	2019280590	2017326791	<b><u>A61K 49 /-</u></b>
2018330784	2020244464	2017204278	2019320922	2018310024	2020306219
<b><u>A01P 5 /-</u></b>	<b><u>A24B 15 /-</u></b>	2021201674	2019351530	2017242908	<b><u>A61K 51 /-</u></b>
2017371909	2021201472	<b><u>A47K 3 /-</u></b>	2020204241	2017256071	2016297155
<b><u>A22C 17 /-</u></b>	<b><u>A24D 3 /-</u></b>	2019444489	2020213761	2017263574	2017236240
2019424568	2021201472	<b><u>A47K 5 /-</u></b>	2020217337	2017284391	2018248304
<b><u>A41D 13 /-</u></b>	<b><u>A41B 9 /-</u></b>	2018358025	2020220895	2017326791	2020205236
<b><u>A47L 15 /-</u></b>	2020233768	<b><u>A47L 15 /-</u></b>	2020222083	2018437600	2019302664
	2018358025		2020222345	2017284391	2020205236
	<b><u>A41D 13 /-</u></b>		2020244464	2017284391	202020895
	2020233768		2020286178	2017217881	
	<b><u>A41D 13 /-</u></b>		2021200355	2017229224	
	2020233768		2021201667	2017284391	
	<b><u>A41D 13 /-</u></b>		2021202557	2017326791	
	2020233768		2021202685	2018437600	
	<b><u>A41D 13 /-</u></b>		<b><u>A61F 5 /-</u></b>	2019302664	
	2020233768		2019401444	2020205236	
	<b><u>A41D 13 /-</u></b>			202020895	
	2020233768				

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<b>A61L 9 /-</b>	2020317159	2020222345	<b>B01D 46 /-</b>	2017361119	2020221467
2022204021	<b>A61P 17 /-</b>	2020286178	2017231717	<b>B23K 1 /-</b>	<b>B32B 3 /-</b>
<b>A61M 1 /-</b>	2018333913	2021202685	2019203261	2019437513	2017257395
2017319140	2020220895	<b>A61P 37 /-</b>	<b>B01D 53 /-</b>	<b>B23Q 11 /-</b>	<b>B32B 5 /-</b>
2021240147	2020222083	2016364624	2017377388	2017361119	2017257395
<b>A61M 11 /-</b>	<b>A61P 19 /-</b>	2018333913	2019203411	<b>B25B 13 /-</b>	2020204728
2017331279	2020222083	2020260435	2019288463	2017263262	<b>B32B 7 /-</b>
<b>A61M 15 /-</b>	2020317159	2021202685	<b>B01D 61 /-</b>	<b>B25B 27 /-</b>	2020204728
2017331279	2021200432	<b>A61P 39 /-</b>	2019413100	2021212093	<b>B41J 2 /-</b>
<b>A61M 16 /-</b>	<b>A61P 21 /-</b>	<b>A61P 43 /-</b>	<b>B01D 63 /-</b>	<b>B25C 1 /-</b>	2018451720
2021202193	2018333913	2017284391	2019413100	2017286900	<b>B42C 5 /-</b>
2021202567	<b>A61P 25 /-</b>	2018310024	<b>B01J 19 /-</b>	<b>B25C 5 /-</b>	2018281028
2021233029	2016364624	2018333913	2018298234	2017286900	<b>B42D 25 /-</b>
<b>A61M 25 /-</b>	2018310024	<b>A61P 7 /-</b>	2019246403	<b>B25C 7 /-</b>	2017303176
2017312325	2018333913	2016364624	<b>B01J 29 /-</b>	2017286900	<b>B60B 1 /-</b>
2018209337	2019280590	2016368289	2018298234	2017286900	2017247557
2018352463	2020317159	<b>A61P 9 /-</b>	<b>B01J 8 /-</b>	<b>B25F 5 /-</b>	<b>B60B 21 /-</b>
2019370133	<b>A61P 27 /-</b>	2016364624	2018298234	2017361119	2017247557
<b>A61M 27 /-</b>	2017326791	2017233089	<b>B01L 3 /-</b>	<b>B27C 9 /-</b>	<b>B60B 23 /-</b>
2018352463	2018333913	2017326791	2018235950	2021204196	2017247557
<b>A61M 39 /-</b>	<b>A61P 29 /-</b>	2018333913	<b>B04B 1 /-</b>	<b>B27F 7 /-</b>	<b>B60B 3 /-</b>
2017312325	2016364624	2020317159	2019398292	2017286900	2017247557
2018352463	2017233089	2021202685	<b>B04B 11 /-</b>	<b>B27G 19 /-</b>	<b>B60B 5 /-</b>
2021277726	2018333913	2018263859	2019398292	2017361119	2017247557
<b>A61M 5 /-</b>	2020285269	2021202557	<b>B05B 1 /-</b>	<b>B27K 3 /-</b>	<b>B60C 19 /-</b>
2019378353	2020317159	<b>A61Q 19 /-</b>	2018358025	2020286354	2020267251
2020222607	2021202685	2017209950	2019444489	<b>B28C 5 /-</b>	<b>B60K 26 /-</b>
2020315548	<b>A61P 3 /-</b>	2018263859	<b>B05B 12 /-</b>	2017214763	2017278208
2021203196	2017284391	2018453029	2019444489	<b>B28C 7 /-</b>	<b>B60K 6 /-</b>
2021277726	2018310024	<b>A62B 18 /-</b>	<b>B05B 7 /-</b>	2017214763	2019355138
<b>A61N 1 /-</b>	2018333913	2021202193	2022204021	<b>B28D 1 /-</b>	<b>B60N 2 /-</b>
2017280112	2018437600	<b>A62B 7 /-</b>	2021277665	2017361119	2017278208
2019282656	2020317159	<b>A62B 9 /-</b>	<b>B05C 1 /-</b>	<b>B28D 7 /-</b>	<b>B60P 1 /-</b>
2020257753	2020384026	2021202193	2021277665	2017361119	2017383126
<b>A61N 2 /-</b>	<b>A61P 31 /-</b>	<b>A62C 2 /-</b>	<b>B05C 19 /-</b>	2017361119	<b>B60P 3 /-</b>
2021221916	2017313733	2017257395	2021277665	<b>B29C 70 /-</b>	2017383126
<b>A61P 1 /-</b>	2018333913	<b>B01D 17 /-</b>	<b>B05D 3 /-</b>	2019423287	<b>B60Q 1 /-</b>
2017284391	2020203609	2018356648	2019388208	2017226940	2022204904
2018333913	2020286178	<b>B01D 19 /-</b>	<b>B22D 13 /-</b>	<b>B32B 27 /-</b>	
2020244464	<b>A61P 33 /-</b>	<b>B01D 39 /-</b>	<b>B23D 59 /-</b>		
2020317159	2019260016	2018356648			
<b>A61P 11 /-</b>	<b>A61P 35 /-</b>	<b>B01D 39 /-</b>			
2016364624	2016364624	2019413100			
2018333913	2017217881	<b>B01D 39 /-</b>			
2020317159	2017242908	2018356648			
<b>A61P 13 /-</b>	2017263574				
2018437600	2019320922				
	2019351530				
	2020204241				
	2020213761				
	2020217337				
	2020220895				

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<b><u>B60S 3 /-</u></b>	<b><u>B64G 1 /-</u></b>	<b><u>B65G 61 /-</u></b>	2018310024 2020317159	<b><u>C07D 403 /-</u></b>	<b><u>C07G 1 /-</u></b>
2017264610	2021204231	2022215286		2016364624	2021215245
<b><u>B60W 30 /-</u></b>	<b><u>B65B 35 /-</u></b>	<b><u>B82Y 10 /-</u></b>	<b><u>C07C 323 /-</u></b>	2018333913 2019260016	<b><u>C07H 1 /-</u></b>
2019330453 2019355138	2018251021	2018230440	2018310024	2020213761 2020285269 2020306219 2021202685	2020294935
<b><u>B61L 1 /-</u></b>	<b><u>B65B 5 /-</u></b>	<b><u>C01B 3 /-</u></b>	2016364624		<b><u>C07H 15 /-</u></b>
2021204799 2021266301	2018251021	2017377388 2021204005	<b><u>C07C 5 /-</u></b>	<b><u>C07D 405 /-</u></b>	2016364624 2021200432
<b><u>B61L 15 /-</u></b>	<b><u>B65D 41 /-</u></b>	<b><u>C01C 1 /-</u></b>	2018323000	2016364624 2018333913 2020213761	<b><u>C07H 21 /-</u></b>
2021206920	2017333695 2022202152	2021204005	<b><u>C07C 62 /-</u></b>		2020294935
<b><u>B61L 27 /-</u></b>	<b><u>B65D 47 /-</u></b>	<b><u>C02F 1 /-</u></b>	2016364624	<b><u>C07D 413 /-</u></b>	<b><u>C07K 1 /-</u></b>
2021266301	2017333695 2022202152	2017268084	<b><u>C07D 207 /-</u></b>	2016364624 2018333913 2020213761 2020285269	2017283720
<b><u>B61L 29 /-</u></b>	<b><u>B65D 5 /-</u></b>	<b><u>C04B 18 /-</u></b>	2018304290 2020217337		<b><u>C07K 14 /-</u></b>
2021204799	2017212787	2017214763	<b><u>C07D 209 /-</u></b>	<b><u>C07D 417 /-</u></b>	2018248304 2020203465 2020203609 2021200432
<b><u>B61L 3 /-</u></b>	<b><u>B65D 51 /-</u></b>	<b><u>C04B 28 /-</u></b>	2016364624 2017263574	2018330784 2019260016 2020213761 2020217337 2020285269	<b><u>C07K 16 /-</u></b>
2019201238	2017333695	<b><u>C07B 59 /-</u></b>	<b><u>C07D 211 /-</u></b>		2016302573 2016325630 2016333512 2017327723
<b><u>B62B 7 /-</u></b>	<b><u>B65D 55 /-</u></b>	2019246403	2019351530	<b><u>C07D 471 /-</u></b>	<b><u>C07K 19 /-</u></b>
2020205944	2017333695	<b><u>C07C 1 /-</u></b>	<b><u>C07D 213 /-</u></b>	2018306444 2019260016 2019280590 2020204241 2020213761 2020286178	2020203609
<b><u>B62D 1 /-</u></b>	<b><u>B65D 81 /-</u></b>	2018298234	2017263574 2018310024		<b><u>C07K 5 /-</u></b>
2017278208	2017333695	<b><u>C07C 11 /-</u></b>	<b><u>C07D 231 /-</u></b>	<b><u>C07D 487 /-</u></b>	2020306219
<b><u>B62D 13 /-</u></b>	<b><u>B65D 83 /-</u></b>	2018323000	2020213761	2018304290 2020213761 2020222083	<b><u>C07K 7 /-</u></b>
2019203909	2018251021	<b><u>C07C 2 /-</u></b>	<b><u>C07D 235 /-</u></b>		2020260435
<b><u>B62D 53 /-</u></b>	<b><u>B65D 85 /-</u></b>	2018298234	2018304290	<b><u>C07D 491 /-</u></b>	<b><u>C08G 65 /-</u></b>
2019203909	2017236695 2017333695	<b><u>C07C 211 /-</u></b>	<b><u>C07D 237 /-</u></b>	2018333913	2018298623
<b><u>B62D 61 /-</u></b>	<b><u>B65D 88 /-</u></b>	2018310024	2019246403	<b><u>C07D 497 /-</u></b>	<b><u>C08K 5 /-</u></b>
2019203909	2017383126	<b><u>C07C 215 /-</u></b>	<b><u>C07D 249 /-</u></b>	2018298623	2018298623
<b><u>B62D 63 /-</u></b>	<b><u>B65G 15 /-</u></b>	2018310024	2018333913	<b><u>C07D 498 /-</u></b>	<b><u>C08L 101 /-</u></b>
2017383126 2019203909	2020239703	<b><u>C07C 233 /-</u></b>	2021201667	2018333913	2018298623
<b><u>B62D 65 /-</u></b>	<b><u>B65G 17 /-</u></b>	2018304290 2018310024	<b><u>C07D 271 /-</u></b>	<b><u>C07D 513 /-</u></b>	<b><u>C08L 23 /-</u></b>
2017383126	2018372199	<b><u>C07C 237 /-</u></b>	2021201667	2020213761 2020285269	2017364099
<b><u>B63B 35 /-</u></b>	<b><u>B65G 23 /-</u></b>	2018310024	<b><u>C07D 307 /-</u></b>	<b><u>C07D 519 /-</u></b>	<b><u>C08L 79 /-</u></b>
2017242677	2019348372	<b><u>C07C 271 /-</u></b>	2016364624 2020317159	2018306444 2019280590	2020286354
<b><u>B63B 43 /-</u></b>	<b><u>B65G 41 /-</u></b>	2018310024	<b><u>C07D 311 /-</u></b>		<b><u>C09D 5 /-</u></b>
2017242677	2017313433	<b><u>C07C 275 /-</u></b>	2018298623	<b><u>C07F 5 /-</u></b>	2018209639
<b><u>B63H 21 /-</u></b>	<b><u>B65G 43 /-</u></b>	2018310024	<b><u>C07D 401 /-</u></b>	2020306219	<b><u>C09J 123 /-</u></b>
2017242677	2017313433 2019348372	<b><u>C07C 303 /-</u></b>	2018333913 2019260016 2020213761 2020217337 2020222345		2017364099
<b><u>B64D 17 /-</u></b>	<b><u>B65G 57 /-</u></b>	2020317159	<b><u>C07C 311 /-</u></b>	<b><u>C07F 7 /-</u></b>	
2021204231	2022215286			2016395451	

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<b><u>C09K 21/-</u></b>	<b><u>C12Q 1/-</u></b>	2017260066 2019261472	2017313836 2021200006	<b><u>F21S 41/-</u></b>	<b><u>F25B 49/-</u></b>
2017257395	2016297778			2022204904	2019345581
<b><u>C09K 5/-</u></b>	2016334893	<b><u>D06F 58/-</u></b>	<b><u>E21C 35/-</u></b>	<b><u>F21V 15/-</u></b>	<b><u>F25D 11/-</u></b>
2017257395	2016341845	2019279431	2021200006	2022204904	2020229400
2019427789	2018248304	<b><u>D06L 4/-</u></b>	<b><u>E21D 21/-</u></b>	<b><u>F21V 31/-</u></b>	<b><u>F25D 13/-</u></b>
	2019204928	2017268084	2017390346	2022204904	2022202745
<b><u>C09K 8/-</u></b>	2021200094			<b><u>F23D 14/-</u></b>	<b><u>F25D 19/-</u></b>
	2022200046	<b><u>E02B 3/-</u></b>	<b><u>F01D 25/-</u></b>	2019295701	2020229400
2017401563	<b><u>C21B 11/-</u></b>	2017376996	2020277137	<b><u>F23D 23/-</u></b>	<b><u>F25D 21/-</u></b>
2021203417	2020276694	2020204728		2019295701	2020229400
<b><u>C09K 9/-</u></b>	<b><u>C21B 13/-</u></b>	<b><u>E02F 9/-</u></b>	<b><u>F04B 43/-</u></b>	<b><u>F24C 15/-</u></b>	<b><u>F25D 23/-</u></b>
2018298623	2020276694	2017278208	2018228760	2017290434	2020229400
<b><u>C11D 3/-</u></b>	<b><u>C21D 8/-</u></b>	2017376652	2018358025	<b><u>F24C 7/-</u></b>	<b><u>F25D 25/-</u></b>
2018263859	2019373520	2018227862	<b><u>F04D 25/-</u></b>	2017290434	2020270472
		<b><u>E03C 1/-</u></b>	2021201572	<b><u>F24F 1/-</u></b>	<b><u>F25D 29/-</u></b>
<b><u>C12G 1/-</u></b>	<b><u>C22B 1/-</u></b>	2018390981	<b><u>F04D 27/-</u></b>	2017290434	2022202745
2022228164	2021204219	2019444489	2017264610	<b><u>F24F 13/-</u></b>	<b><u>F26B 21/-</u></b>
<b><u>C12N 15/-</u></b>	<b><u>C22B 23/-</u></b>	<b><u>E04B 1/-</u></b>	<b><u>F15B 1/-</u></b>	2019203261	2017264610
2016282825	2021204219	2017257395	2019462665	<b><u>F24F 3/-</u></b>	<b><u>F42C 11/-</u></b>
2016297155	<b><u>C22B 3/-</u></b>	2018267563	<b><u>F16C 17/-</u></b>	2019203411	2021215279
2016338680	2021204219	2021322640	2018374072	<b><u>F24H 1/-</u></b>	<b><u>F42D 1/-</u></b>
2016339989	<b><u>C22C 21/-</u></b>	<b><u>E04F 13/-</u></b>	<b><u>F16C 33/-</u></b>	2017221461	2021215279
2016348675	2017226940	2017257395	2018374072	2017248461	<b><u>G01B 11/-</u></b>
2016368289	<b><u>C22C 38/-</u></b>	<b><u>E05B 47/-</u></b>	2018374072	2018200066	2017356847
2017236240	2019373520	2019376002	<b><u>F16D 33/-</u></b>	<b><u>F24H 8/-</u></b>	2017223078
2017256071	<b><u>C23F 13/-</u></b>	<b><u>E06B 3/-</u></b>	2017317297	2017248461	<b><u>G01C 11/-</u></b>
2017327723	2017226940	2020256074	<b><u>F16D 48/-</u></b>	2018200066	2017223078
2020384026	<b><u>C25B 1/-</u></b>	<b><u>E21B 17/-</u></b>	2017317297	<b><u>F24H 9/-</u></b>	<b><u>G01N 1/-</u></b>
2021201537	2017268084	2018374072	<b><u>F16G 3/-</u></b>	2018200066	2017318135
<b><u>C12N 5/-</u></b>	<b><u>C25B 15/-</u></b>	2019205752	2020239703	<b><u>F24S 10/-</u></b>	2017344010
	2017268084	<b><u>E21B 19/-</u></b>	<b><u>F16K 1/-</u></b>	2017201519	2021202117
2016307768	<b><u>C25B 9/-</u></b>	2019205752	2021201513	<b><u>F24S 40/-</u></b>	2021277665
2016338680	2017268084	<b><u>E21B 23/-</u></b>	<b><u>F16K 11/-</u></b>	<b><u>G01N 21/-</u></b>	
2016387339	<b><u>C25B 9/-</u></b>	2019205752	2021201513	2017377057	
2017236240	2017268084	2021202346	<b><u>F16K 31/-</u></b>	<b><u>G01N 22/-</u></b>	
2017256071	<b><u>C40B 30/-</u></b>	<b><u>E21B 33/-</u></b>	<b><u>F16K 31/-</u></b>	<b><u>G01N 27/-</u></b>	
2017321300	2016334893	2017270919	2021201513	<b><u>G01N 33/-</u></b>	
2018235950	<b><u>C40B 40/-</u></b>	2021202346	<b><u>F16L 1/-</u></b>	2016318103	
2019377278	2016334893	<b><u>E21B 36/-</u></b>	2018390981	2016334893	
2020260435	2017268084	2017270919	<b><u>F16L 3/-</u></b>	2016338782	
2020384026	<b><u>D06F 35/-</u></b>	<b><u>E21C 25/-</u></b>	2018390981		
<b><u>C12N 7/-</u></b>	2017268084	2017313836	<b><u>F16L 55/-</u></b>		
	2017268084	2021200006	2020304050		
2017256071	<b><u>D06F 37/-</u></b>	<b><u>E21C 27/-</u></b>			
<b><u>C12N 9/-</u></b>	2019261472				
2016282825	<b><u>D06F 39/-</u></b>				
2016339989					
2017260270					
2017283720					
<b><u>C12P 5/-</u></b>					
2016339989					
2017260270					
<b><u>C12P 7/-</u></b>					
2016339989					
2021215245					

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2016341845	<u>G05D 23 /-</u>			2018231813	2018279061
2017403029		<u>G06K 19 /-</u>	<u>G09F 9 /-</u>		<u>H03G 9 /-</u>
2020294935	2021201674			<u>H01R 4 /-</u>	
	2022202745	2018231813	2021201100		<u>H03G 9 /-</u>
<u>G01N 35 /-</u>				2019323633	2019289648
	<u>G05D 5 /-</u>	<u>G06K 9 /-</u>	<u>G09G 5 /-</u>		
2018231813				<u>H01R 9 /-</u>	<u>H03H 1 /-</u>
2021202652	2019348020	2018292610	2018227862		
		2019396427		2019323633	2017280112
<u>G01P 15 /-</u>	<u>G06F 11 /-</u>	<u>G06N 20 /-</u>	<u>G10L 19 /-</u>	<u>H02G 15 /-</u>	<u>H04B 1 /-</u>
2017234375	2018200820		2019289648	2019323633	2018217131
	2020264946	2019396427	2019392988		
<u>G01R 15 /-</u>			2019394097	<u>H02H 1 /-</u>	<u>H04B 5 /-</u>
	<u>G06F 111 /-</u>	<u>G06N 99 /-</u>			
2020250877			<u>G16C 10 /-</u>	2018291792	2019376002
	2019423287	2018230440		<u>H02H 7 /-</u>	<u>H04B 7 /-</u>
<u>G01R 19 /-</u>			2021200097		
	<u>G06F 113 /-</u>	<u>G06Q 20 /-</u>		<u>H02J 1 /-</u>	
2021266301			<u>G16Z 99 /-</u>	2018455569	2018276237
	2019423287	2016403734			2019222468
<u>G01R 31 /-</u>		2021203184	2021202652	<u>H02J 1 /-</u>	2019225246
	<u>G06F 119 /-</u>				2021221919
2021266301		<u>G06Q 50 /-</u>	<u>H01F 6 /-</u>	2018390413	
	2019423287			2019357100	<u>H04J 11 /-</u>
<u>G01S 5 /-</u>		2019346258	2020250877		
	<u>G06F 12 /-</u>			<u>H02J 13 /-</u>	2018217131
2018243962		<u>G06Q 99 /-</u>	<u>H01G 11 /-</u>		
	2018451720			2018251134	<u>H04L 1 /-</u>
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	<u>G06F 13 /-</u>			<u>H02J 15 /-</u>	2018200820
2018298623		<u>G06T 1 /-</u>	<u>H01J 49 /-</u>		
	2018451720			2018390413	<u>H04L 12 /-</u>
<u>G02B 23 /-</u>	2021200097	2021202652	2021202117		
				<u>H02J 3 /-</u>	2018451720
2017223078	<u>G06F 16 /-</u>	<u>G06T 11 /-</u>	<u>H01L 21 /-</u>		
				2018291792	<u>H04L 27 /-</u>
<u>G02B 27 /-</u>	2018390863	2018227862	2019455154	2018390413	
	2019381268			2019357100	2021201184
2017345780	2021200222	<u>G06T 19 /-</u>	<u>H01L 27 /-</u>	2021273430	
2021258005					<u>H04L 9 /-</u>
	<u>G06F 21 /-</u>	2017345780	2017356847	<u>H02J 5 /-</u>	2019381268
<u>G02C 11 /-</u>		2019346258	2019455154		
	2018204672			2018390413	<u>H04M 1 /-</u>
2019200208	2018212014	<u>G06T 7 /-</u>	<u>H01L 31 /-</u>		
	2018452176			<u>H02J 7 /-</u>	2019420297
<u>G02C 7 /-</u>	2019357365	2018347464	2018279061		
	2019381268			2018390413	<u>H04N 1 /-</u>
2019309513	2021200097	<u>G06V 10 /-</u>	<u>H01L 41 /-</u>		
	2021203387			<u>H02K 1 /-</u>	2018273825
<u>G02F 1 /-</u>		2018292610	2017234375		
	<u>G06F 3 /-</u>			2021204739	<u>H04N 19 /-</u>
2017362910		<u>G07F 11 /-</u>	<u>H01M 10 /-</u>		
	2019381268			<u>H02K 16 /-</u>	2019381145
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	2020281126	2022209207		2021204739	<u>H04N 21 /-</u>
2020281126	2021215172		<u>H01M 16 /-</u>		
<u>G05B 13 /-</u>	2021367385	<u>G07F 17 /-</u>		<u>H02K 19 /-</u>	2018209352
			2019420068		2018436153
2022202745		2018251021		2021204739	
	<u>G06F 30 /-</u>		<u>H01M 4 /-</u>		<u>H04N 3 /-</u>
<u>G05B 19 /-</u>		<u>G08C 17 /-</u>		<u>H02K 9 /-</u>	
	2019423287		2016395451	2021201572	2017223078
2019348372		2021206920	2021225217		
2021201674	<u>G06F 8 /-</u>			<u>H02N 2 /-</u>	<u>H04N 5 /-</u>
		<u>G09B 19 /-</u>	<u>H01M 8 /-</u>		
	2019461393			2017234375	2017223078
<u>G05B 23 /-</u>		2021200511	2016395451	<u>H02P 25 /-</u>	2017356847
	<u>G06F 9 /-</u>		2019420068		2021266362
2018251134		<u>G09B 5 /-</u>		2021204739	
2021266301	2021200669		<u>H01Q 1 /-</u>		<u>H04Q 9 /-</u>
	2021240176	2021200511		<u>H02S 20 /-</u>	2020220701
<u>G05D 1 /-</u>		<u>G09F 19 /-</u>	2018231813		
	<u>G06K 15 /-</u>				
2017278208			<u>H01Q 7 /-</u>		
	2018451720	2017303176			

## Applications Accepted - IPC Index cont'd

**H04R 25 /-**

2019282656  
2019289648

**H04R 9 /-**

2021203020

**H04S 7 /-**

2019392988  
2019394097

**H04W 24 /-**

2018206059  
2018209352  
2019413741

**H04W 28 /-**

2019421312

**H04W 4 /-**

2018209352  
2021221919

**H04W 48 /-**

2020208709  
2021221919

**H04W 56 /-**

2018206059

**H04W 72 /-**

2018206059  
2018401518  
2021202393  
2021203896

**H04W 76 /-**

2018206059  
2020208709  
2020214954  
2021206920

**H04W 8 /-**

2020214954  
2021206920

**H04W 84 /-**

2021206920  
2021221919

**H05K 1 /-**

2020250877

**H05K 3 /-**

2019437513  
2020250877

**H05K 9 /-**

2021266362



**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) Dyno Nobel Inc  
 (11) AU-B-2022100017  
 (21) 2022100017 (22) 27.01.2022  
 (54) Systems for automated loading of blastholes and methods related thereto  
 (51) Int. Cl.  
     *F42D 1/10* ( 2006.01 )  
     *E21B 41/00* ( 2006.01 )  
     *E21B 43/263* ( 2006.01 )  
     *E21B 47/00* ( 2012.01 )  
     *F42D 3/04* ( 2006.01 )  
 (45) 17.11.2022  
 (62) 2019212935  
 (72) AVERETT, Jeff; GILTNER, Scott;  
     O'CONNOR, Patrick  
 (74) FOUNDRY INTELLECTUAL PROPERTY PTY LTD

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(71) Fortescue Metals Group Ltd  
 (11) AU-B-2022100021  
 (21) 2022100021 (22) 28.01.2022  
 (54) Rail car absorber disassembly apparatus and method  
 (51) Int. Cl.  
     *B61G 7/04* ( 2006.01 )  
     *B30B 9/00* ( 2006.01 )  
     *B30B 15/04* ( 2006.01 )  
     *B61G 7/10* ( 2006.01 )  
     *B61G 11/02* ( 2006.01 )  
     *B61G 11/18* ( 2006.01 )  
     *B61G 7/14* ( 2006.01 )  
     *B61G 9/00* ( 2006.01 )  
 (45) 17.11.2022  
 (62) 2021218083  
 (72) VAN DER VEEN, Adriaan Piet;  
     GLENDEENING, Alex  
 (74) Davies Collison Cave Pty Ltd

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(71) Jet Black Products Pty Ltd  
 (11) AU-B-2021107652  
 (21) 2021107652 (22) 22.12.2021  
 (54) DEVICES AND COMPUTER TECHNOLOGY CONFIGURED TO ENABLE ENHANCED SIMULATED BICYCLE STEERING, FOR USE WITH A STATIONARY TRAINING SYSTEM  
 (51) Int. Cl.  
     *A63B 69/16* ( 2006.01 )  
     *G06F 3/03* ( 2006.01 )  
     *A63B 22/06* ( 2006.01 )  
     *A63B 24/00* ( 2006.01 )  
 (45) 17.11.2022  
 (62) PCT/AU2021/050387  
 (72) Simmonds, Tony  
 (74) FORWARD INTELLECTUAL PROPERTY PTY LTD

**Numerical Index**

2021107652 Jet Black Products Pty Ltd  
2022100017 Dyno Nobel Inc  
2022100021 Fortescue Metals Group Ltd

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**A63B 22 /-**

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**A63B 24 /-**

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**A63B 69 /-**

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**B30B 15 /-**

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**B30B 9 /-**

2022100021

**B61G 11 /-**

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**B61G 7 /-**

2022100021

**B61G 9 /-**

2022100021

**E21B 41 /-**

2022100017

**E21B 43 /-**

2022100017

**E21B 47 /-**

2022100017

**F42D 1 /-**

2022100017

**F42D 3 /-**

2022100017

**G06F 3 /-**

2021107652

**Opposition Proceedings**

(The name in parentheses is that of the opponent)

**Opposition Lodged**

2019285565 **Kraft Foods Schweiz Holding GmbH** ( Mars Incorporated )

**Patents Granted**

**Standard Patents**

2015207855	2016218977	2016244195	2016247131
2016256697	2016269530	2016276555	2016277476
2016278239	2016282334	2016298108	2016305521
2016325643	2016331955	2016332565	2016344553
2016349501	2016353533	2016355377	2016363456
2016363673	2016365824	2016372573	2016375176
2016376336	2016380988	2016381637	2016392473
2016416840	2017200233	2017200660	2017201328
2017201451	2017203241	2017203319	2017204375
2017204414	2017205774	2017207099	2017211526
2017212026	2017216512	2017218845	2017225809
2017228060	2017230387	2017230785	2017231594
2017235657	2017236806	2017236879	2017240509
2017242657	2017245366	2017246693	2017247061
2017248120	2017248121	2017248122	2017248325
2017250294	2017251098	2017251957	2017252204
2017252507	2017252563	2017254365	2017254533
2017256623	2017257257	2017259975	2017268458
2017270942	2017274412	2017276840	2017278220
2017278812	2017280000	2017283538	2017288809
2017289692	2017289696	2017290659	2017291058
2017292014	2017292179	2017295951	2017301543
2017301691	2017302396	2017308799	2017310356
2017313453	2017315323	2017316625	2017322089
2017323625	2017323871	2017329037	2017329732
2017333878	2017334864	2017336078	2017336523
2017337476	2017340245	2017343616	2017344024
2017345913	2017350817	2017353993	2017355420
2017356150	2017359048	2017363951	2017363988
2017365169	2017370653	2017371259	2017374901
2017377009	2017378287	2017385101	2017390163
2017400256	2018202824	2018204742	2018206111
2018206401	2018215661	2018234089	2018235441
2018237908	2018241490	2018248483	2018248702
2018250889	2018253464	2018254619	2018260666
2018260710	2018260727	2018260728	2018263683
2018264863	2018265333	2018272902	2018273789
2018273958	2018286373	2018293627	2018303670
2018306364	2018306520	2018309334	2018310177
2018314012	2018315753	2018317387	2018325525
2018332654	2018375131	2018379673	2018379992
2018388464	2018400751	2018417526	2018420117
2018438149	2018442433	2018445738	2018452738
2018454245	2019203057	2019211465	2019238711
2019238712	2019239048	2019240200	2019242446
2019243374	2019249762	2019256851	2019257500
2019258837	2019269879	2019281116	2019284034
2019290568	2019292299	2019294891	2019294941
2019297042	2019297083	2019297360	2019305982
2019312119	2019315262	2019316188	2019316554
2019323413	2019327101	2019327393	2019331101
2019339565	2019339800	2019347324	2019347974
2019351185	2019352075	2019355961	2019358721
2019359200	2019369918	2019385783	2019388390
2019395326	2019395328	2019396327	2019402113
2019411630	2019413418	2019416069	2019416369
2019422019	2019467174	2020201038	2020201226
2020201245	2020203261	2020203481	2020203701
2020204075	2020204233	2020205241	2020205324

**Patents Granted**

**Standard Patents**

2020205330	2020205421	2020205777	2020206280
2020207838	2020207840	2020208995	2020210152
2020210153	2020213340	2020217413	2020220049
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2020244514	2020250278	2020250287	2020252411
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2020260450	2020260499	2020260507	2020260512
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2020267258	2020273324	2020277475	2020281020
2020281150	2020286163	2020286287	2020286294
2020286303	2020289774	2020294270	2020323960
2020333565	2020349460	2020385372	2020386787
2020395850	2020400934	2020466063	2021200214
2021200247	2021200508	2021200577	2021200728
2021200767	2021200904	2021200951	2021201209
2021201251	2021201382	2021201443	2021201576
2021201646	2021202459	2021202467	2021202649
2021202817	2021203247	2021203410	2021203465
2021203503	2021204009	2021204087	2021204656
2021204773	2021206856	2021218112	2021238896
2021242669	2021242720	2021253926	2021290346
2021290347	2021290348	2022200799	2022200801
2022202292			

**Innovation Patents**

2021107671 2022100148

**Assignments Registered**

2005313863	Brian Investments Pty Ltd	The patent has been assigned to <b>Metso Minerals Oy</b>
2006209788	Brian Investments Pty Ltd	The patent has been assigned to <b>Metso Minerals Oy</b>
2006235226	Brian Investments Pty Ltd	The patent has been assigned to <b>Metso Minerals Oy</b>
2007216912	Haidnay Pty Ltd	The patent has been assigned to <b>Haidnay Innovation Company Pty Ltd</b>
2007289452	Arc Innovations Limited	The patent has been assigned to <b>VECTOR TECHNOLOGY SOLUTIONS LIMITED</b>
2008304581	Ivantis, Inc.	The patent has been assigned to <b>Alcon Inc.</b>
2008326619	Ivantis, Inc.	The patent has been assigned to <b>Alcon Inc.</b>
2009221859	Ivantis, Inc.	The patent has been assigned to <b>Alcon Inc.</b>
2009322146	Ivantis, Inc.	The patent has been assigned to <b>Alcon Inc.</b>
2010271218	Ivantis, Inc.	The patent has been assigned to <b>Alcon Inc.</b>
2010271274	Ivantis, Inc.	The patent has been assigned to <b>Alcon Inc.</b>
2012258318	Brian Investments Pty Ltd	The patent has been assigned to <b>Metso Minerals Oy</b>
2012264601	Estetra S.P.R.L	The patent has been assigned to <b>Mithra R&amp;D SA</b>
2012264602	Estetra S.P.R.L	The patent has been assigned to <b>Mithra R&amp;D SA</b>

**Assignments Registered**

2012276175 Zhou, Wenqiang The patent has been assigned to **Hunan Fangsheng Huamei Pharmaceutical Technology Co., Ltd.**

2012297612 Bonac Corporation The patent has been assigned to **Sumitomo Chemical Company, Limited**

2012320423 Estetra S.P.R.L. The patent has been assigned to **Mithra R&D SA**

2012331601 Infobridge Pte. Ltd. The patent has been assigned to **Gensquare LLC**

2012331602 Infobridge Pte. Ltd. The patent has been assigned to **Gensquare LLC**

2012334553 Infobridge Pte. Ltd. The patent has been assigned to **Gensquare LLC**

2012359022 Ivantis, Inc. The patent has been assigned to **Alcon Inc.**

2013203783 Brian Investments Pty Ltd The patent has been assigned to **Metso Minerals Oy**

2013203796 Brian Investments Pty Ltd The patent has been assigned to **Metso Minerals Oy**

2013207600 Ivantis, Inc. The patent has been assigned to **Alcon Inc.**

2013211395 Infobridge Pte. Ltd. The patent has been assigned to **Gensquare LLC**

2014200768 Ivantis, Inc. The patent has been assigned to **Alcon Inc.**

2014221283 Ivantis, Inc. The patent has been assigned to **Alcon Inc.**

2015201008 Ivantis, Inc. The patent has been assigned to **Alcon Inc.**

2015215939 Ivantis, Inc. The patent has been assigned to **Alcon Inc.**

2015218475 Ivantis, Inc. The patent has been assigned to **Alcon Inc.**

2015249102 Infobridge Pte. Ltd. The patent has been assigned to **Gensquare LLC**

2015249103 Infobridge Pte. Ltd. The patent has been assigned to **Gensquare LLC**

2015249104 Infobridge Pte. Ltd. The patent has been assigned to **Gensquare LLC**

2015249105 Infobridge Pte. Ltd. The patent has been assigned to **Gensquare LLC**

2015255239 Infobridge Pte. Ltd. The patent has been assigned to **Gensquare LLC**

2015255240 Infobridge Pte. Ltd. The patent has been assigned to **Gensquare LLC**

2015255241 Infobridge Pte. Ltd. The patent has been assigned to **Gensquare LLC**

2015255242 Infobridge Pte. Ltd. The patent has been assigned to **Gensquare LLC**

**Assignments Registered**

2015261606 Infobridge Pte. Ltd. The patent has been assigned to **Gensquare LLC**

2015261607 Infobridge Pte. Ltd. The patent has been assigned to **Gensquare LLC**

2015261608 Infobridge Pte. Ltd. The patent has been assigned to **Gensquare LLC**

2015261609 Infobridge Pte. Ltd. The patent has been assigned to **Gensquare LLC**

2015283861 Selane Products, Inc. The patent has been assigned to **Odin Sleep, LLC**

2016100205 Brian Investments Pty Ltd The patent has been assigned to **Metso Minerals Oy**

2016100213 Brian Investments Pty Ltd The patent has been assigned to **Metso Minerals Oy**

2016100339 W. Granowski Pty Ltd The patent has been assigned to **BlastOne International (Aust) Pty Limited**

2016203214 Infobridge Pte. Ltd. The patent has been assigned to **Gensquare LLC**

2016203215 Infobridge Pte. Ltd. The patent has been assigned to **Gensquare LLC**

2016203216 Infobridge Pte. Ltd. The patent has been assigned to **Gensquare LLC**

2016203217 Infobridge Pte. Ltd. The patent has been assigned to **Gensquare LLC**

2016203606 Ivantis, Inc. The patent has been assigned to **Alcon Inc.**

2016272057 East China University of Science and Technology The patent has been assigned to **Shanghai Yidian Pharmaceutical Technology Development Co., Ltd.**

2016307951 Ivantis, Inc. The patent has been assigned to **Alcon Inc.**

2017202552 Ivantis, Inc. The patent has been assigned to **Alcon Inc.**

2017254968 Infobridge Pte. Ltd. The patent has been assigned to **Gensquare LLC**

2018208516 LEO Pharma A/S The patent has been assigned to **AQILION AB**

2018211230 EXSOMED HOLDING COMPANY, LLC The patent has been assigned to **Exsomed Corporation**

2019223946 Ivantis, Inc. The patent has been assigned to **Alcon Inc.**

**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.

2019204655 **TherapeuticsMD, Inc.**

The earliest first regulatory approval date provided by the patentee 03 May 2022

For the goods BIJUVA estradiol (as hemihydrate)

**Extensions of Term of Standard Patents**

Extension of Term of a Standard Patent relating to Pharmaceutical Substances

**Applications Filed**

2020201002 **Novartis AG**

The earliest first regulatory approval date provided by the patentee 16 Jan 2020

For the goods BEOVU brolicizumab

2020201314 **Vertex Pharmaceuticals Incorporated**

The earliest first regulatory approval date provided by the patentee 09 Jul 2022

For the goods KALYDECO ivacaftor

**Applications Accepted**

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

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

2004207706 **Takeda Pharmaceutical Company Limited**

The earliest first regulatory approval date provided by the patentee 06 Sep 2022

For the goods RYEQO relugolix

Address for service : FPA Patent Attorneys Pty Ltd Level 19, South Tower 80 Collins Street Melbourne VIC 3000 AU

2013261127 **Novartis AG**

The earliest first regulatory approval date provided by the patentee 15 Jul 2022

For the goods SCEMBLIX asciminib

Address for service : Davies Collision Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

**Corrigenda**

In Vol 34 , No 36 , Page(s) 5077 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Alimentary Health Limited.; University College Cork - National University of Ireland, Cork, Application No. 2019213029, under INID (71) correct the applicant name to PrecisionBiotics Group Limited ; University College Cork - National University of Ireland, Cork

In Vol 36 , No 44 , Page(s) 6067 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Agilent Technologies, Inc., Application No. 2021278998, under INID (72) correct the co-inventor to SORENSEN, Morten Draeby

In Vol 36 , No 44 , Page(s) 6108 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name University Health Network, Application No. 2021252446, under INID (54) correct the title to read Compositions and methods for enhancing activation and cytolytic activity of CD8+ T cells through disruption of the SAGA (Spt-Ada-Gcn5-acetyltransferase) complex

In Vol 36 , No 45 , Page(s) 6162 under the heading **Amendments - Application for Amendments** Under the name Forty Seven, Inc., Patent No. 2018308364 correct the date of the statements to read 26 Sep 2022 and 21 Oct 2022

In Vol 36 , No 45 , Page(s) 6193 under the heading **PCT applications that have entered the National Phase - Name Index** Under the

**Corrigenda**

name GFD Gesellschaft für Diamantprodukte mbH, Application No. 2021255782, under INID (71) add co-applicant The Gillette Company LLC

**Specifications Republished**

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

2018227845	<b>Younger Mfg. Co. dba Younger Optics</b>
2020263507	<b>The NOCO Company</b>
2021201471	<b>Snap-on Incorporated</b>
2021223884	<b>BAE Systems PLC</b>