



**Australian Government**

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**IP Australia**

**AUSTRALIAN OFFICIAL JOURNAL**

**OF**

**PATENTS**



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## *General Information*

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

*Editorial enquiries*

*Contact information*

*Freedom of Information ACT*

*Professional Standards Board*

*Sales*

*Requests for Information under Section 194 (c)*

*Country Codes*

*Trade Mark and Designs Hearing Sessions*

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

## GUIDE TO THE USE OF THIS JOURNAL

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

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

### (i) FILING -

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

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

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

### (iii) ACCEPTANCE –

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

### (iv) OPPOSITION –

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

### (v) GRANTING –

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

### (vi) CERTIFICATION

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

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

## How To Identify Information Using "INID" Numbers

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

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

(22) 12.10.91

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

## How Australian Patent Documents are Numbered

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

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

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

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

**See Examples:**

2011236254 and 2000023658 (Standard Complete)

2011158589 (Innovation Complete)

2011902365 (Provisional)

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

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

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

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

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

For each of the categories

(i) Provisional Applications Filed, (ii)

Complete Applications Filed, (iii)

Applications Open to Public Inspection

(iv) Applications Accepted, and (v)

Innovation Patent Certified.

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

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

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

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

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

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

<u>ITEM</u>	<u>INID</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)
<u>Inventors names</u>	(72)
<u>Patent Attorneys</u>	(74)
Related by division	(62)

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



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

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

The following Numerical Indices are available:

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

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

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

The indices to use are

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

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

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

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

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

#### (10) Document identification

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

#### (20) Document filing data

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

#### (30) Priority data

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

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

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

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

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

**(50) Technical Information**

(51) International Patent Classification

(52) Domestic or national classification

(54) Title of invention

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

(57) Abstract or claim

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

(60) Related by cognate(s).

(61) Related by addition(s).

(62) Related by division(s).

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

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

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

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

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

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

(86) PCT Application Number

(87) PCT Publication Number

**NOTE**

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

**AU-A** = Pre-examination

**AU-B** = Post-examination

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

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

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

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

**AUSTRALIAN OFFICIAL JOURNAL OF PATENTS (Supplement) 12 October 2023**

**IP AUSTRALIA**

**AUSTRALIAN PATENT OFFICE**

***DEI GRATIA PTY LTD [2023] APO 50***

Patent Application: 2019200581

Title: LAST MILE LOGISTICS

Patent Applicant: DEI GRATIA PTY LTD

Delegate: Mr Kevin Restrick

Decision Date: 3 October 2023

Hearing Date: Written submissions filed on 30 August 2022

Catchwords: **PATENTS** - standard patent – examiner objection – inventive step - manner of manufacture – substance of the invention resides in a logistics scheme whose effectiveness relies upon business innovation rather than technical intervention - all claims lack a manner of manufacture – no patentable subject matter in application – application refused

Representation: Patent attorney for the applicant: FAL IP

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 26 Sep 2023 .

(71) 4DMedical Limited (21) 2023903124 (22) 28.09.2023 (54) METHOD OF DETECTING LUNG DISEASE BASED ON VENTILATION OF THE LUNG	(71) Bucci, A. (21) 2023903111 (22) 27.09.2023 (54) All-weather, self-driving snow making machine with a self-leveling system, rechargeable battery, and optional solar panels	(71) Conneely, S. (21) 2023903175 (22) 03.10.2023 (54) HOLES AW HOLE ENLARGING GUIDE WITH LOCATING PINS
(71) Actinogen Medical Limited (21) 2023903165 (22) 03.10.2023 (54) Tablet formulation	(71) Byrne, K.; Pagewood, B. (21) 2023903140 (22) 29.09.2023 (54) An equipment suspension system for suspended ceilings	(71) Costanza, J. (21) 2023903178 (22) 04.10.2023 (54) QR Golf Ball Tracking
(71) ADE Consulting Group Pty Ltd (21) 2023903143 (22) 29.09.2023 (54) METHOD FOR ASSESSING EXPOSURE TO AIRBORNE CONTAMINANTS	(71) Carbon Exchange Pty Ltd (21) 2023903122 (22) 28.09.2023 (54) Method of Quantifying an Indicative Soil Carbon Measure	(71) Crowds Now Pty Ltd (21) 2023903160 (22) 03.10.2023 (54) CROWD MANAGEMENT SYSTEM AND METHODS THEREFOR
(71) Agrawal, M. (21) 2023903148 (22) 30.09.2023 (54) Infopath based Tracking form for Responses to Further information requests (RFI Tracker)	(71) Cloud, W. (21) 2023903132 (22) 29.09.2023 (54) MODULAR AND AUTOMATED DISPENSER FOR DISCRETE OBJECTS	(71) De Angelis Enterprises Pty Ltd (21) 2023903155 (22) 01.10.2023 (54) Ornament Applicator
(71) Allen, J. (21) 2023903134 (22) 29.09.2023 (54) Storage container for the home to hold used handheld batteries	(71) Commonwealth Scientific and Industrial Research Organisation (21) 2023903145 (22) 29.09.2023 (54) Peptide-based hydrogels and dual system thereof	(71) DOT DESIGN GROUP PTY LTD (21) 2023903142 (22) 29.09.2023 (54) ECOFRIENDLY DECORATION DISPLAY SYSTEM
(71) AMADEUS S.A.S. (21) 2023903127 (22) 28.09.2023 (54) TOUCHPOINT DEVICE	(71) Commonwealth Scientific and Industrial Research Organisation (21) 2023903146 (22) 29.09.2023 (54) Self-assembling peptides with modifications	(71) Ebokolo-Jecop, A.M. (21) 2023903154 (22) 01.10.2023 (54) 3D crystal Stand Urn with light
(71) APPLIED ELECTRIC VEHICLES LTD (21) 2023903159 (22) 02.10.2023 (54) CONTINUOUS SERVICE ENERGY SYSTEM FOR AUTONOMOUS VEHICLE	(71) Conneely, S. (21) 2023903150 (22) 30.09.2023 (54) CONDUIT COUPLING NUT FASTENER	(71) Ecoengineers Pty Ltd (21) 2023903137 (22) 29.09.2023 (54) Acid Leach Process for Ferronickel Slag
(71) ArcActive Limited (21) 2023903125 (22) 28.09.2023 (54) Lead Acid Battery Management System	(71) Conneely, S. (21) 2023903151 (22) 30.09.2023 (54) CONDUIT COUPLING SOCKET ADAPTER	(71) Encap Hive Pty Ltd (21) 2023903147 (22) 30.09.2023 (54) NANOFIBROUS DERMAL MAT, TRANSDERMAL PATCHES, DRESSINGS AND DERMATOLOGICAL PRODUCTS INCLUDING SAME

Provisional Applications Filed - Name Index cont'd

(71) ENTION IP PTY LTD  
(21) 2023903176 (22) 04.10.2023  
(54) Radiology Networking and Reporting System

(71) Gaynor, B.  
(21) 2023903120 (22) 28.09.2023  
(54) Varroway - method for treating Varroa mite infestations in beehives

(71) Gillett, A.  
(21) 2023903166 (22) 03.10.2023  
(54) Pluggable Case for Data Networks

(71) Goddard-Winchester, M.; Mallett, B.; Olatunji, J.  
(21) 2023903119 (22) 28.09.2023  
(54) PASSIVE TEMPERATURE REGULATION IN SUPERCONDUCTING CIRCUITS

(71) Hadleigh Innovations Pty Ltd  
(21) 2023903126 (22) 28.09.2023  
(54) APPARATUS AND METHOD FOR ASSISTED INSTALLATION OF A MOUNTING FLANGE

(71) HALTER USA INC  
(21) 2023903136 (22) 29.09.2023  
(54) SYSTEM AND DEVICE FOR RELAYING WIRELESS MESSAGES

(71) Hardy Avenue Investments Pty Ltd  
(21) 2023903131 (22) 29.09.2023  
(54) Method of Personality Compatibility Assessment

Houston, R. see Sterling, S.  
(21) 2023903128

(71) Imtrade Australia Pty Ltd  
(21) 2023903115 (22) 27.09.2023  
(54) Pesticide formulation comprising diafenthuron

(71) IP Reserve Pty Ltd  
(21) 2023903129 (22) 28.09.2023  
(54) A COVER FOR USE IN POOLS

(71) James Cook University  
(21) 2023903116 (22) 27.09.2023  
(54) Glove Dispenser Device

(71) Jusand Nominees Pty Ltd  
(21) 2023903139 (22) 29.09.2023  
(54) SYSTEM AND METHOD OF FORMING A BLASTING VOID AND ASSOCIATED MINING METHOD

(71) Kingsley, R.  
(21) 2023903130 (22) 28.09.2023  
(54) Catching A Six

(71) LAL, J.  
(21) 2023903177 (22) 04.10.2023  
(54) Process for reducing the National incidence of cyber fraud and volume crime offences.

(71) Light-Weight Concrete Townsville Pty Ltd  
(21) 2023903110 (22) 27.09.2023  
(54) IMPROVED BLOCKOUTS FOR CONCRETE MOULDS

(71) LockDown Industries Limited  
(21) 2023903167 (22) 03.10.2023  
(54) FASTENER LOCK

Mallett, B. see Goddard-Winchester, M.  
(21) 2023903119

(71) McShane, T.  
(21) 2023903112 (22) 27.09.2023  
(54) RESPONSIVE TRAINING APPARATUS

(71) Miroslav Gubas  
(21) 2023903173 (22) 03.10.2023  
(54) Internal wall fabrication and installation method incorporating electrical supply, prefabricated door panels, heat joint panel connection, top and bottom track and simple re configuration of internal floorplan layout.

(71) Misti Labs Pty Ltd  
(21) 2023903171 (22) 03.10.2023  
(54) Nebulizer mask

(71) MLB Industrial Pty Ltd  
(21) 2023903117 (22) 28.09.2023  
(54) A RECHARGEABLE BATTERY PACK AND METHOD OF USE THEREOF

(71) O'Keefe, P.  
(21) 2023903118 (22) 28.09.2023  
(54) Dual chamber syringe for staged injections

(71) O'Keefe, P.  
(21) 2023903172 (22) 03.10.2023  
(54) A low-friction mobile easily penetrable partition for a dual chamber syringe

(71) Ohman, P.  
(21) 2023903161 (22) 03.10.2023  
(54) Hinged Gutter Guard

(71) Ohman, P.  
(21) 2023903162 (22) 03.10.2023  
(54) Gutter Guard Brush

(71) Ohman, P.  
(21) 2023903163 (22) 03.10.2023  
(54) Gutter Cleaning System

Olatunji, J. see Goddard-Winchester, M.  
(21) 2023903119

(71) Opifex Engineering Consultants Pty Ltd  
(21) 2023903138 (22) 29.09.2023  
(54) FOUNDATION SYSTEM

(71) Osteo-X Pty Ltd  
(21) 2023903114 (22) 27.09.2023  
(54) FIXATION ARRANGEMENT FOR INTRAMEDULLARY NAIL

(71) Pagden, K.  
(21) 2023903152 (22) 30.09.2023  
(54) Solar initiated Recipro-Kinetic power generation

Pagewood, B. see Byrne, K.  
(21) 2023903140

(71) QHEART MEDICAL PTY LTD  
(21) 2023903149 (22) 30.09.2023  
(54) Intraluminal Balloon Stent

(71) QTK Group Pty Ltd  
(21) 2023903123 (22) 28.09.2023  
(54) A Service Vehicle

(71) Rail, S.  
(21) 2023903153 (22) 01.10.2023  
(54) Responsive Earth Tubes

(71) Rioflex IP Pty Ltd  
(21) 2023903164 (22) 03.10.2023  
(54) IMPROVED REINFORCEMENT CHAIR

(71) Roberts, M.  
(21) 2023903158 (22) 02.10.2023  
(54) System and method for selecting items when the likelihood of reward for each item is uncertain.

(71) Rudge, L.  
(21) 2023903170 (22) 03.10.2023  
(54) Streetside tree maintenance

## Provisional Applications Filed - Name Index cont'd

(71) Sharer Pty Ltd  
(21) 2023903174 (22) 03.10.2023  
(54) Process for creating a payment platform using listed shares as the currency

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(71) SINGH, P.  
(21) 2023903156 (22) 02.10.2023  
(54) A PLEAT MAKING DEVICE

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(71) Spray Nozzle Engineering Pty Ltd  
(21) 2023903135 (22) 29.09.2023  
(54) Improved Protection Blow Off Cap and Nozzle System

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(71) Sterling, S.; Houston, R.  
(21) 2023903128 (22) 28.09.2023  
(54) Water Dispersible Material

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(71) St Vincent's Hospital Sydney Limited  
(21) 2023903113 (22) 27.09.2023  
(54) Molecular assay for detecting lentivirus

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(71) The Almar Group Pty Ltd  
(21) 2023903121 (22) 28.09.2023  
(54) VENTED PRIVACY SCREEN FOR USE IN A BATHROOM STALL

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(71) Waimea West Land Holdings Limited  
(21) 2023903133 (22) 29.09.2023  
(54) ORGANIC MATTER PROCESSING METHOD AND SYSTEM

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(71) Wallace, D.  
(21) 2023903141 (22) 29.09.2023  
(54) Shopping Trolley Steering Unit

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(71) WEIR SLURRY GROUP, INC  
(21) 2023903144 (22) 29.09.2023  
(54) A SLURRY PUMP IMPELLER

---

(71) Woodside Energy Technologies Pty Ltd  
(21) 2023903157 (22) 02.10.2023  
(54) METHOD AND SYSTEM FOR MERCURY REMOVAL AND CAPTURE IN A HYDROCARBON FEED STREAM

Numerical Index

<b>2023903110</b>	Light-Weight Concrete Townsville Pty Ltd	<b>2023903178</b>	Costanza, J.
<b>2023903111</b>	Bucceri, A.		
<b>2023903112</b>	McShane, T.		
<b>2023903113</b>	St Vincent's Hospital Sydney Limited		
<b>2023903114</b>	Osteo-X Pty Ltd		
<b>2023903115</b>	Imtrade Australia Pty Ltd		
<b>2023903116</b>	James Cook University		
<b>2023903117</b>	MLB Industrial Pty Ltd		
<b>2023903118</b>	O'Keeffe, P.		
<b>2023903119</b>	Goddard-Winchester, M.; Mallett, B.; Olatunji, J.		
<b>2023903120</b>	Gaynor, B.		
<b>2023903121</b>	The Almar Group Pty Ltd		
<b>2023903122</b>	Carbon Exchange Pty Ltd		
<b>2023903123</b>	QTK Group Pty Ltd		
<b>2023903124</b>	4DMedical Limited		
<b>2023903125</b>	ArcActive Limited		
<b>2023903126</b>	Hadleigh Innovations Pty Ltd		
<b>2023903127</b>	AMADEUS S.A.S.		
<b>2023903128</b>	Sterling, S.; Houston, R.		
<b>2023903129</b>	IP Reserve Pty Ltd		
<b>2023903130</b>	Kingsley, R.		
<b>2023903131</b>	Hardy Avenue Investments Pty Ltd		
<b>2023903132</b>	Cloud, W.		
<b>2023903133</b>	Waimea West Land Holdings Limited		
<b>2023903134</b>	Allen, J.		
<b>2023903135</b>	Spray Nozzle Engineering Pty Ltd		
<b>2023903136</b>	HALTER USA INC		
<b>2023903137</b>	Ecoengineers Pty Ltd		
<b>2023903138</b>	Opifex Engineering Consultants Pty Ltd		
<b>2023903139</b>	Jusand Nominees Pty Ltd		
<b>2023903140</b>	Byrne, K.; Pagewood, B.		
<b>2023903141</b>	Wallace, D.		
<b>2023903142</b>	DOT DESIGN GROUP PTY LTD		
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<b>2023903145</b>	Commonwealth Scientific and Industrial Research Organisation		
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<b>2023903148</b>	Agrawal, M.		
<b>2023903149</b>	QHEART MEDICAL PTY LTD		
<b>2023903150</b>	Conneely, S.		
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<b>2023903170</b>	Rudge, L.		
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<b>2023903172</b>	O'Keeffe, P.		
<b>2023903173</b>	Miroslav Gubas		
<b>2023903174</b>	Sharer Pty Ltd		
<b>2023903175</b>	Conneely, S.		
<b>2023903176</b>	ENTION IP PTY LTD		
<b>2023903177</b>	LAL, J.		

**Complete Applications Filed**

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Applications listed below were processed through the Patent Office Canberra during the period ending 26 Sep 2023 .

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

<hr/> <p>(71) Abiomed Europe GmbH (21) 2023237080 (22) 27.09.2023 (54) Blood pump with reinforced catheter (62) 2018262633</p> <hr/> <p>(71) ADVAGENE BIOPHARMA CO., LTD. (21) 2023237105 (22) 27.09.2023 (54) INTRANASAL VACCINE COMPOSITION AND METHOD FOR BOOSTING USING THE SAME (31) 63/523876 (32) 28.06.23 (33) US</p> <hr/> <p>(71) Advanced Lithium Electrochemistry Co., Ltd. (21) 2023237062 (22) 26.09.2023 (54) Preparation method of composite cathode material (31) 112116679 (32) 05.05.23 (33) TW</p> <hr/> <p>(71) Aktiebolaget SKF (21) 2023237107 (22) 27.09.2023 (54) BEARING ARRANGEMENT OF A HORIZONTAL GRINDING MILL AND METHOD FOR DETERMINING THE FILL RATE OF THE MILL (31) 102022211338.1 (32) 26.10.22 (33) DE</p> <hr/> <p>(71) Alcon Inc. (21) 2023237097 (22) 27.09.2023 (54) Ocular implant with pressure sensor and delivery system (62) 2021204344</p> <hr/> <p>(71) apceth GmbH &amp; Co. KG (21) 2023237078 (22) 27.09.2023 (54) Mesenchymal Stem Cells to Enhance Anti-Tumor Activity of Immunotherapy (62) 2017242899</p> <hr/> <p>(71) Apple Inc. (21) 2023237050 (22) 26.09.2023 (54) Inductor topology for phase noise reduction (62) 2022221582</p> <hr/> <p>(71) Apple Inc. (21) 2023237090 (22) 27.09.2023 (54) Physical activity and workout monitor (62) 2022201761</p> <hr/>	<p>(71) Apple Inc. (21) 2023237127 (22) 28.09.2023 (54) Crown input for a wearable electronic device (62) 2021212114</p> <hr/> <p>(71) Aristocrat Technologies, Inc. (21) 2023237043 (22) 26.09.2023 (54) SYSTEM AND METHOD FOR AT-TACHING AND INSTALLING A REEL STRIP TO A GAMING MACHINE REEL (31) 18/370,739 (32) 20.09.23 (33) US 63/411,212 29.09.22 US</p> <hr/> <p>(71) Aristocrat Technologies, Inc. (21) 2023237066 (22) 26.09.2023 (54) AUTOMATED PIXEL REFRESH MODE FOR ORGANIC LIGHT-EMITTING DIODE DISPLAYS USED IN CONTINUOUS-USE CONTEXTS (31) 18/474,074 (32) 25.09.23 (33) US 63/377,698 29.09.22 US</p> <hr/> <p>(71) Aristocrat Technologies Australia Pty Limited (21) 2023237113 (22) 27.09.2023 (54) A GAMING SYSTEM AND A METHOD OF GAMING (62) 2021212161</p> <hr/> <p>(71) Aristocrat Technologies Australia Pty Ltd (21) 2023237031 (22) 25.09.2023 (54) GAMING DEVICE WITH PRIZE AWARD BASED ON NUMERICAL SYMBOL SELECTION</p> <hr/> <p>(71) Aristocrat Technologies Australia Pty Ltd (21) 2023237143 (22) 28.09.2023 (54) GAMING DEVICE WITH PRIZE AWARD BASED ON ACCRUED AWARD TOTALS</p> <hr/> <p>(71) Assa Abloy AB (21) 2023237081 (22) 27.09.2023 (54) Ultra-wide band device for access control reader system (62) 2020247386</p> <hr/> <p><b>Association Institut de Myologie see Institut National de la Santé et de la Recherche Médicale</b> (21) 2023237125</p>	<hr/> <p>(71) Aveine (21) 2023237069 (22) 26.09.2023 (54) BEVERAGE POURING DEVICE, COMPRISING A CENTRAL AIR INJECTOR (62) 2017398983</p> <hr/> <p>(71) Barrette Outdoor Living, Inc. (21) 2023237126 (22) 28.09.2023 (54) CABLE RAIL WITH SERPENTINE CABLE (31) 63/412,242 (32) 30.09.22 (33) US 18/202,641 26.05.23 US</p> <hr/> <p>(71) BEA SA (21) 2023237072 (22) 26.09.2023 (54) LASER SCANNER FOR MONITORING A MONITORING REGION (62) 2018284001</p> <hr/> <p>(71) Beijing Baidu Netcom Science Technology Co., Ltd. (21) 2023237108 (22) 27.09.2023 (54) Method and apparatus for adjusting qubit frequency, electronic device and readable storage medium (31) 202310341847.5 (32) 31.03.23 (33) CN</p> <hr/> <p>(71) Beijing Baidu Netcom Science Technology Co., Ltd. (21) 2023237190 (22) 29.09.2023 (54) System for processing quantum task, method for processing quantum task and related apparatuses (31) 202310134319.2 (32) 09.02.23 (33) CN</p> <hr/> <p>(71) Beijing Eacon Technology Co., LTD. (21) 2023237086 (22) 27.09.2023 (54) Automatic cleaning apparatus for perception sensor and unmanned vehicle (31) 202222863175 .8 (32) 28.10.22 (33) CN</p> <hr/> <p>(71) BioNTech SE (21) 2023237054 (22) 26.09.2023 (54) POTENCY ASSAY FOR THERAPEUTIC POTENTIAL OF CODING NUCLEIC ACID (62) 2022336160</p> <hr/> <p>(71) Blackhawk Network, Inc. (21) 2023237091 (22) 27.09.2023 (54) Efficient stored-value card transactions (62) 2021212099</p>
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<p>(71) Boart Longyear Company (21) 2023237144 (22) 28.09.2023 (54) Percussive drill bit (31) 63/411304 (32) 29.09.22 (33) US</p>	<p><b>CHONGQING UNIVERSITY see SHAN-DONG HIGH-SPEED CONSTRUCTION MANAGEMENT GROUP CO., LTD</b> (21) 2023237070</p>	<p>(54) Devices, systems, and methods for sample collection (62) 2018207302</p>
<p>(71) Boehringer Ingelheim Vetmedica GmbH (21) 2023237139 (22) 28.09.2023 (54) Treatment of metabolic disorders in feline animals (62) 2021269354</p>	<p>(71) CLR-Chemisches Laboratorium Dr. Kurt Richter GmbH (21) 2023237059 (22) 26.09.2023 (54) Seed extract of Annona cherimola (62) 2020230944</p>	<p>(71) Dunne, W. (21) 2023237111 (22) 27.09.2023 (54) A POOL SCOOP AND NET</p>
<p>(71) Boston Scientific Scimed Inc (21) 2023237093 (22) 27.09.2023 (54) Circulatory support pump centering anchoring &amp; centering device (62) 2020334051</p>	<p>(71) CMR Surgical Limited (21) 2023237084 (22) 27.09.2023 (54) Controlling a surgical instrument (62) 2020365104</p>	<p>(71) Eiger BioPharmaceuticals, Inc.; The Board of Trustees of the Leland Stanford Junior University (21) 2023237119 (22) 28.09.2023 (54) BUFFERED FORMULATIONS OF EX-ENDIN (9-39) (62) 2017361539</p>
<p>(71) Cagent Vascular, Inc. (21) 2023237117 (22) 28.09.2023 (54) SYSTEMS AND METHODS OF DE-POSITING DRUG INTO TISSUE THROUGH SERRATIONS (62) 2017361422</p>	<p>(71) Coffey, R. (21) 2023237044 (22) 26.09.2023 (54) Tool station</p>	<p>(71) EOS Energy Technology Holdings, LLC (21) 2023237153 (22) 28.09.2023 (54) Bipolar electrode comprising a loaded carbon felt (62) 2018375287</p>
<p>(71) Caris Science, Inc. (21) 2023237051 (22) 26.09.2023 (54) OLIGONUCLEOTIDE PROBES AND USES THEREOF (62) 2017271579</p>	<p>(71) ConMed Corporation (21) 2023237089 (22) 27.09.2023 (54) Uterine manipulator (62) 2021245155</p>	<p>(71) Fortescue Future Industries Pty Ltd (21) 2023237147 (22) 28.09.2023 (54) Portable Offboard Power Unit for Electric Mining Equipment (62) 2021221809</p>
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<p>(71) CH4 Global, Inc. (21) 2023237100 (22) 27.09.2023 (54) Systems and methods for growing aquatic botanical material (31) 63/411,443 (32) 29.09.22 (33) US</p>	<p>(71) Decisive Farming Corp. (21) 2023237061 (22) 26.09.2023 (54) Agricultural enterprise management method and system (62) 2021236463</p>	<p>(71) Getac Technology Corporation (21) 2023237104 (22) 27.09.2023 (54) Vehicle camera (31) 18/217,659 (32) 03.07.23 (33) US</p>
<p>(71) CH4 Global, Inc. (21) 2023237101 (22) 27.09.2023 (54) Seaweed feed products and methods for processing seaweed (31) 63/411,342 (32) 29.09.22 (33) US 63/486,615 23.02.23 US</p>	<p>(71) Deere &amp; Company (21) 2023237132 (22) 28.09.2023 (54) Spring-loaded guide to reduce variation in a volumetric meter (62) 2021203841</p>	<p>(71) Glass Hardware Systems Pty Ltd (21) 2023237103 (22) 27.09.2023 (54) MOUNT FOR A PANEL</p>
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<p>(71) Drawbridge Health, Inc. (21) 2023237130 (22) 28.09.2023</p>	<p>(71) Deltatek Oil Tools Limited (21) 2023237053 (22) 26.09.2023 (54) Downhole sealing apparatus (31) 2215520.4 (32) 20.10.22 (33) GB</p>	<p>(71) Gritstone Bio, Inc. (21) 2023237057 (22) 26.09.2023 (54) Antigen-binding proteins targeting shared antigens (62) 2018395397</p>
<p>(71) Henan Tianyi Intelligent Information Co., Ltd (21) 2023237112 (22) 27.09.2023 (54) An Intelligent Control Method for Differential Wave Pulse Magnetic Field Acupoint Therapy Instrument (31) 202310118356.4 (32) 15.02.23 (33) CN</p>	<p>(71) Drawbridge Health, Inc. (21) 2023237130 (22) 28.09.2023</p>	<p>(71) An Intelligent Control Method for Differential Wave Pulse Magnetic Field Acupoint Therapy Instrument (31) 202310118356.4 (32) 15.02.23 (33) CN</p>

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(71) Hitachi, Ltd. (21) 2023237121 (22) 28.09.2023 (54) Apparatus, system, and method for supporting integrated energy management (31) 2022-180432 (32) 10.11.22 (33) JP	Centre National de la Recherche Scientifique (21) 2023237125 (22) 28.09.2023 (54) Allele-specific silencing therapy for Dynamain 2-related diseases (62) 2017369605	(71) Lam, T. (21) 2023237146 (22) 28.09.2023 (54) Magnetic levitating door (62) 2017363580
(71) Hollister Incorporated (21) 2023237120 (22) 28.09.2023 (54) Medical device package with flip cap having a snap fit (62) 2018225550	(71) International AIDS Vaccine Initiative; The Scripps Research Institute; Theracalone Sciences, Inc. (21) 2023237056 (22) 26.09.2023 (54) Human immunodeficiency virus (HIV)-neutralizing antibodies (62) 2020203853	(71) LG Electronics Inc. (21) 2023237136 (22) 28.09.2023 (54) Refrigerator (62) 2021204021
(71) Huawei Technologies Co., Ltd. (21) 2023237082 (22) 27.09.2023 (54) INDEX SIGNALING FOR REFERENCE PICTURE LIST STRUCTURES (62) 2019337644	(71) International Safety Components Ltd (21) 2023237140 (22) 28.09.2023 (54) Rope wrench	(71) Lindsey FireSense, LLC (21) 2023237096 (22) 27.09.2023 (54) ELECTRICAL POWER LINE MOUNTED FIRE WARNING SYSTEM (62) 2020263584
(71) Huawei Technologies Co., Ltd. (21) 2023237109 (22) 27.09.2023 (54) AN ENCODER, A DECODER AND CORRESPONDING METHODS FOR MERGE MODE (62) 2019383290	(71) International Safety Components Ltd (21) 2023237141 (22) 28.09.2023 (54) Rope wrench tether	(71) Lutz, T. (21) 2023237137 (22) 28.09.2023 (54) Systems and methods for de-oxygenation of a closed container (62) 2017345723
(71) Hunter Douglas Inc. (21) 2023237110 (22) 27.09.2023 (54) Covering for architectural features, and related systems, methods of operation, and manufacture (62) 2017251707	<b>JINKO SOLAR CO., LTD. see ZHEJIANG JINKO SOLAR CO., LTD.</b> (21) 2023237055	(71) Max-Planck-Gesellschaft zur Förderung der Wissenschaften e.V. (21) 2023237047 (22) 26.09.2023 (54) Low energy cleavable mass tag for quantitative proteomics (62) 2017359284
(71) Hussmann Corporation (21) 2023237085 (22) 27.09.2023 (54) Transparent door (62) 2021266331	(71) Kao, J. (21) 2023237142 (22) 28.09.2023 (54) SOCKET HOLDING FRAME	(71) Medline Industries, LP (21) 2023237074 (22) 26.09.2023 (54) Sensor for absorbent article (62) 2018231073
(71) InDex Pharmaceuticals AB (21) 2023237033 (22) 25.09.2023 (54) Cobitolimod for use in the treatment of inflammatory bowel disease (62) 2018265211	<b>Keeler, J.M. see Panosian, M.H.</b> (21) 2023237032	(71) Merit Technologies (Fu Jian) Co., Ltd. (21) 2023237102 (22) 27.09.2023 (54) ZIPPER STRUCTURE FOR SUIT-CASES, AND TROLLEY BAG (62) 2020404201
(71) Industrie Borla S.p.A. (21) 2023237077 (22) 27.09.2023 (54) FILTER FOR INFUSION MEDICAL LINES (31) 102022000019893 (32) 28.09.22 (33) IT	(71) Komatsu Ltd. (21) 2023237068 (22) 26.09.2023 (54) Management system of work site and management method of work site (62) 2020250714	<b>Mogrify Limited see National University of Singapore</b> (21) 2023237116
(71) Industrie Borla S.p.A. (21) 2023237092 (22) 27.09.2023 (54) FILTER FOR INFUSION MEDICAL LINES (31) 102022000020931 (32) 11.10.22 (33) IT	(71) Komatsu Ltd. (21) 2023237154 (22) 28.09.2023 (54) Construction site management device, output device, and construction site management method (62) 2021240259	<b>Monash University see National University of Singapore</b> (21) 2023237116
(71) Institut National de la Santé et de la Recherche Médicale; Association Institut de Myologie; Sorbonne Université;	(71) Kop-Coat, Inc. (21) 2023237075 (22) 26.09.2023 (54) METHOD AND RELATED SOLUTION FOR PROTECTING WOOD THROUGH ENHANCED PENETRATION OF WOOD PRESERVATIVES EMPLOYING BUFFERED AMINE OXIDES AND ALKOXYLATED OILS (62) 2022200223	(71) Mustapha, J.A. (21) 2023237071 (22) 26.09.2023 (54) Peripheral vascular filtration systems and methods (62) 2018290235
(71) Institut National de la Santé et de la Recherche Médicale; Association Institut de Myologie; Sorbonne Université;	(71) Lam, T.T. (21) 2023237076 (22) 27.09.2023 (54) I-SHAPED STRUCTURE FOR WAVE ENERGY SYSTEM	(71) National University of Singapore; Monash University; Mogrify Limited (21) 2023237116 (22) 28.09.2023 (54) Cell culture methods and compositions (62) 2020308962

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(71) Netflix, Inc.  
 (21) 2023237151 (22) 28.09.2023  
 (54) Systems and methods for streamlining multimedia content acquisition  
 (62) 2020370599

(71) Nimbus Lakshmi, Inc.  
 (21) 2023237060 (22) 26.09.2023  
 (54) TYK2 inhibitors and uses thereof  
 (62) 2021225251

(71) Northwestern University  
 (21) 2023237099 (22) 27.09.2023  
 (54) Trans-interfacial magnetic separation  
 (62) 2018281310

(71) Nova Eye, Inc.  
 (21) 2023237150 (22) 28.09.2023  
 (54) OPHTHALMIC SURGICAL INSTRUMENT AND METHOD OF USE  
 (31) 2022903468 (32) 17.11.22 (33) AU  
 2023902287 18.07.23 AU

(71) Nunhems B.V.  
 (21) 2023237123 (22) 28.09.2023  
 (54) Tomato variety NUN 01547 TOF  
 (31) 63/411458 (32) 29.09.22 (33) US

(71) Ocado Innovation Limited  
 (21) 2023237046 (22) 26.09.2023  
 (54) CONTAINER-MANOEUVRING APPARATUS  
 (62) 2019380566

(71) OMNISCIENT IMAGING, INC.  
 (21) 2023237088 (22) 27.09.2023  
 (54) OPTICAL, OPTOELECTRONIC, AND OPTOELECTROMECHANICAL SYSTEMS AND METHOD FOR USING THE SAME  
 (62) 2021440215

(71) Panosian, M.H.; Keeler, J.M.  
 (21) 2023237032 (22) 25.09.2023  
 (54) Clothing with integrated device support platform  
 (31) 18/370,901 (32) 21.09.23 (33) US  
 63/410,224 27.09.22 US

(71) Polaris Industries Inc.  
 (21) 2023237145 (22) 28.09.2023  
 (54) Hybrid utility vehicle  
 (62) 2020275400

(71) RAI Strategic Holdings, Inc.  
 (21) 2023237058 (22) 26.09.2023  
 (54) Near field communication for a tobacco-based article or package therefor  
 (62) 2017362054

(71) RedFlow R&D Pty Ltd  
 (21) 2023237048 (22) 26.09.2023  
 (54) Flowing electrolyte battery separator  
 (62) 2021258037

(71) Resnent, LLC  
 (21) 2023237098 (22) 27.09.2023  
 (54) Flexible-rigid hybrid endoscope and instrument attachments  
 (62) 2018255426

(71) SAMSUNG ELECTRONICS CO., LTD.  
 (21) 2023237095 (22) 27.09.2023  
 (54) Method and apparatus for synchronization signal design  
 (62) 2022203301

(71) SanBio, Inc.  
 (21) 2023237128 (22) 28.09.2023  
 (54) Medium, methods, cells and secreted factors for stem cell culture and therapy  
 (62) 2021218073

(71) SHANDONG HIGH-SPEED CONSTRUCTION MANAGEMENT GROUP CO., LTD; SHANDONG UNIVERSITY; CHONGQING UNIVERSITY  
 (21) 2023237070 (22) 26.09.2023  
 (54) DEVICE FOR MEASURING WHOLE STRESSES IN SOIL MASS, PORE WATER PRESSURE AND CUMULATIVE DEFORMATION UNDER MULTI-FIELD COUPLING AND METHOD THEREOF  
 (31) 2022112788392 (32) 19.10.22 (33) CN

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 (21) 2023237070

(71) Sheltered Wings, Inc. d/b/a Vortex Optics  
 (21) 2023237045 (22) 26.09.2023  
 (54) Rifle scope turret with tool-free zeroing  
 (62) 2020205633

(71) Shepherd, S.  
 (21) 2023237064 (22) 26.09.2023  
 (54) Self Levitating Metamaterial

(71) Signode Industrial Group LLC  
 (21) 2023237138 (22) 28.09.2023  
 (54) STRAPPING TOOL  
 (62) 2020270353

(71) SOLAR ANALYTICS PTY LTD  
 (21) 2023237115 (22) 27.09.2023

(54) Resource Supply Management System and Method  
 (62) 2021206801

(71) Sonos, Inc.  
 (21) 2023237094 (22) 27.09.2023  
 (54) Media playback system with voice assistance  
 (62) 2018338812

Sorbonne Universite see Institut National de la Santé et de la Recherche Médicale  
 (21) 2023237125

(71) Stemplant, LLC  
 (21) 2023237079 (22) 27.09.2023  
 (54) Method and apparatus for delivery of cell therapies  
 (62) 2017355939

(71) StrongLinx Pty Ltd  
 (21) 2023237049 (22) 26.09.2023  
 (54) MULTIPURPOSE STRAP APPARATUS  
 (31) 2023901068 (32) 12.04.23 (33) AU

(71) Surfline\Wavetrak, Inc.  
 (21) 2023237131 (22) 28.09.2023  
 (54) Automated detection of features and/or parameters within an ocean environment using image data  
 (62) 2022201244

(71) Temple University Of The Commonwealth System Of Higher Education  
 (21) 2023237152 (22) 28.09.2023  
 (54) Ischemia/Reperfusion injury  
 (62) 2017311405

(71) Terumo Kabushiki Kaisha  
 (21) 2023237114 (22) 27.09.2023  
 (54) IMAGE DIAGNOSIS CATHETER  
 (62) 2020248784

(71) The Board of Regents of The University of Texas System  
 (21) 2023237087 (22) 27.09.2023  
 (54) Methods and compositions for transport, storage, and delivery of nucleic acids and other molecules  
 (31) 63/411460 (32) 29.09.22 (33) US  
 63/466053 12.05.23 US

The Board of Trustees of the Leland Stanford Junior University see Eiger BioPharmaceuticals, Inc.  
 (21) 2023237119

Theraclone Sciences, Inc. see International AIDS Vaccine Initiative  
 (21) 2023237056

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**The Scripps Research Institute see International AIDS Vaccine Initiative**  
**(21)** 2023237056

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**(71)** The Sy-Klone Company, LLC  
**(21)** 2023237065 **(22)** 26.09.2023  
**(54)** Radial seal filter  
**(62)** 2021202580

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**The Trustees of the University of Pennsylvania see University of Florida Research Foundation, Inc.**  
**(21)** 2023237106

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**(71)** turner, c.  
**(21)** 2023237073 **(22)** 26.09.2023  
**(54)** Immersive reality mobile experience

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**Universidade Federal Do Espírito Santo – UFES see Vale S.A.**  
**(21)** 2023237052

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**(71)** University of Florida Research Foundation, Inc.; The Trustees of the University of Pennsylvania  
**(21)** 2023237106 **(22)** 27.09.2023  
**(54)** AAV VECTORS FOR TREATMENT OF DOMINANT RETINITIS PIGMENTOSA  
**(62)** 2017227776

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**(71)** Vale S.A.; Universidade Federal Do Espírito Santo – UFES  
**(21)** 2023237052 **(22)** 26.09.2023  
**(54)** Dust suppression resin and resin use  
**(31)** BR132022019265-0 **(32)** 26.09.22 **(33)** BR  
**(61)** 2015354330

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**(71)** Vitalant  
**(21)** 2023237133 **(22)** 28.09.2023  
**(54)** METHODS AND SYSTEMS FOR CRYOPRESERVATION AND RESUSPENSION OF BODY FLUIDS  
**(62)** 2019277108

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**(71)** W. L. Gore & Associates, Inc.  
**(21)** 2023237149 **(22)** 28.09.2023  
**(54)** Integrated aqueous shunt for glaucoma treatment  
**(62)** 2021203695

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**(71)** Wayne Fueling Systems LLC  
**(21)** 2023237148 **(22)** 28.09.2023  
**(54)** Intelligent fuel dispensers  
**(62)** 2017252185

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**(71)** Whirlpool Corporation  
**(21)** 2023237118 **(22)** 28.09.2023

**(54)** REMOVABLE BEAN HOPPER ASSEMBLY  
**(31)** 18/057,839 **(32)** 22.11.22 **(33)** US

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**(71)** Wi-Tronix, LLC  
**(21)** 2023237129 **(22)** 28.09.2023  
**(54)** Automated signal compliance monitoring and alerting system  
**(62)** 2020253312

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**(71)** Yue, W.  
**(21)** 2023237063 **(22)** 26.09.2023  
**(54)** MAGNETIC DATA CABLE  
**(31)** 202310377554.2 **(32)** 11.04.23 **(33)** CN

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**(71)** ZHEJIANG JINKO SOLAR CO., LTD.; JINKO SOLAR CO., LTD.  
**(21)** 2023237055 **(22)** 26.09.2023  
**(54)** PHOTOVOLTAIC CELL AND PHOTOVOLTAIC MODULE  
**(31)** 202310173021.2 **(32)** 14.02.23 **(33)** CN

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<b>2023237031</b>	Aristocrat Technologies Australia Pty Ltd	<b>2023237101</b>	CH4 Global, Inc.
<b>2023237032</b>	Panosian, M.H.; Keeler, J.M.	<b>2023237102</b>	Merit Technologies (Fu Jian) Co., Ltd.
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<b>2023237043</b>	Aristocrat Technologies, Inc.	<b>2023237104</b>	Getac Technology Corporation
<b>2023237044</b>	Coffey, R.	<b>2023237105</b>	ADVAGENE BIOPHARMA CO., LTD.
<b>2023237045</b>	Sheltered Wings, Inc. d/b/a Vortex Optics	<b>2023237106</b>	University of Florida Research Foundation, Inc.; The Trustees of the University of Pennsylvania
<b>2023237046</b>	Ocado Innovation Limited	<b>2023237107</b>	Aktiebolaget SKF
<b>2023237047</b>	Max-Planck-Gesellschaft zur Förderung der Wissenschaften e.V.	<b>2023237108</b>	Beijing Baidu Netcom Science Technology Co., Ltd.
<b>2023237048</b>	RedFlow R&D Pty Ltd	<b>2023237109</b>	Huawei Technologies Co., Ltd.
<b>2023237049</b>	StrongLinx Pty Ltd	<b>2023237110</b>	Hunter Douglas Inc.
<b>2023237050</b>	Apple Inc.	<b>2023237111</b>	Dunne, W.
<b>2023237051</b>	Caris Science, Inc.	<b>2023237112</b>	Henan Tianyi Intelligent Information Co., Ltd
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<b>2023237053</b>	Deltatek Oil Tools Limited	<b>2023237114</b>	Terumo Kabushiki Kaisha
<b>2023237054</b>	BioNTech SE	<b>2023237115</b>	SOLAR ANALYTICS PTY LTD
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<b>2023237057</b>	Gritstone Bio, Inc.	<b>2023237118</b>	Whirlpool Corporation
<b>2023237058</b>	RAI Strategic Holdings, Inc.	<b>2023237119</b>	Eiger BioPharmaceuticals, Inc.; The Board of Trustees of the Leland Stanford Junior University
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<b>2023237060</b>	Nimbus Lakshmi, Inc.	<b>2023237121</b>	Hitachi, Ltd.
<b>2023237061</b>	Decisive Farming Corp.	<b>2023237122</b>	China University of Mining and Technology
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<b>2023237063</b>	Yue, W.	<b>2023237125</b>	Institut National de la Santé et de la Recherche Médicale; Association Institut de Myologie; Sorbonne Université; Centre National de la Recherche Scientifique
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<b>2023237065</b>	The Sy-Klone Company, LLC	<b>2023237127</b>	Apple Inc.
<b>2023237066</b>	Aristocrat Technologies, Inc.	<b>2023237128</b>	SanBio, Inc.
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<b>2023237069</b>	Aveine	<b>2023237131</b>	SurflinWavetrak, Inc.
<b>2023237070</b>	SHANDONG HIGH-SPEED CONSTRUCTION MANAGEMENT GROUP CO., LTD; SHANDONG UNIVERSITY; CHONGQING UNIVERSITY	<b>2023237132</b>	Deere & Company
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<b>2023237076</b>	Lam, T.T.	<b>2023237138</b>	Signode Industrial Group LLC
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<b>2023237078</b>	apceth GmbH & Co. KG	<b>2023237140</b>	International Safety Components Ltd
<b>2023237079</b>	Stemplant, LLC	<b>2023237141</b>	International Safety Components Ltd
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<b>2023237083</b>	Crown Equipment Corporation	<b>2023237145</b>	Polaris Industries Inc.
<b>2023237084</b>	CMR Surgical Limited	<b>2023237146</b>	Lam, T.
<b>2023237085</b>	Hussmann Corporation	<b>2023237147</b>	Fortescue Future Industries Pty Ltd
<b>2023237086</b>	Beijing Eacon Technology Co., LTD.	<b>2023237148</b>	Wayne Fueling Systems LLC
<b>2023237087</b>	The Board of Regents of The University of Texas System	<b>2023237149</b>	W. L. Gore & Associates, Inc.
<b>2023237088</b>	OMNISCIENT IMAGING, INC.	<b>2023237150</b>	Nova Eye, Inc.
<b>2023237089</b>	ConMed Corporation	<b>2023237151</b>	Netflix, Inc.
<b>2023237090</b>	Apple Inc.	<b>2023237152</b>	Temple University Of The Commonwealth System Of Higher Education
<b>2023237091</b>	Blackhawk Network, Inc.	<b>2023237153</b>	EOS Energy Technology Holdings, LLC
<b>2023237092</b>	Industrie Borla S.p.A.	<b>2023237154</b>	Komatsu Ltd.
<b>2023237093</b>	Boston Scientific Scimed Inc	<b>2023237190</b>	Beijing Baidu Netcom Science Technology Co., Ltd.
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<b>2023237095</b>	SAMSUNG ELECTRONICS CO., LTD.		
<b>2023237096</b>	Lindsey FireSense, LLC		
<b>2023237097</b>	Alcon Inc.		
<b>2023237098</b>	Resnent, LLC		
<b>2023237099</b>	Northwestern University		
<b>2023237100</b>	CH4 Global, Inc.		

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

Applications listed below were processed through the Patent Office Canberra during the period ending 26 Sep 2023 .  
(This list may contain multiple listings of a patent application where there are multiple applicants for that patent.)

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**Butler Technology Pty Ltd see Cohen, B.**  
**(21)** 2023100086

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**(71)** Cohen, B.; Butler Technology Pty Ltd  
**(21)** 2023100086      **(22)** 27.09.2023  
**(54)** A drop tray  
**(62)** 2021221498

**Numerical Index**

**2023100086** Cohen, B.; Butler Technology Pty 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

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- 2003248179 ( 14 )    2003248188 ( 14 )    2003248315 ( 14 )
- 2003248371 ( 14 )    2003248379 ( 14 )    2003260192 ( 14 )
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- 2003275090 ( 14 )    2003275152 ( 14 )    2003275158 ( 14 )
- 2003275178 ( 14 )    2003275209 ( 14 )    2003275248 ( 14 )
- 2003275251 ( 14 )    2003276362 ( 14 )    2003277018 ( 14 )
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- 2003299140 ( 14 )

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- 2004223161 ( 14 )    2004224368 ( 14 )    2004245954 ( 14 )
  
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- 2005221717 ( 14 )    2005222626 ( 14 )    2005222641 ( 14 )
- 2005222998 ( 14 )    2005223000 ( 14 )    2005223267 ( 14 )
- 2005224056 ( 14 )    2005224091 ( 14 )    2005224981 ( 14 )
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- 2005226671 ( 14 )    2005228934 ( 14 )    2005234374 ( 14 )
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- 2006201047 ( 14 )    2006201084 ( 14 )    2006201204 ( 14 )
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- 2006232959 ( 14 )    2006253893 ( 14 )    2006256483 ( 14 )
  
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- 2008201238 ( 14 )    2008201934 ( 14 )    2008202992 ( 14 )
- 2008203176 ( 14 )    2008203177 ( 14 )    2008203215 ( 14 )
- 2008224830 ( 14 )    2008226828 ( 14 )    2008227380 ( 14 )
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- 2009200979 ( 14 )    2009212793 ( 14 )    2009223219 ( 14 )
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- 2009226910 ( 14 )    2009226975 ( 14 )    2009226988 ( 14 )
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- 2010200881 ( 14 )    2010201958 ( 14 )    2010225454 ( 14 )
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- 2011201120 ( 14 )    2011201174 ( 14 )    2011201182 ( 14 )
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- 2012201445 ( 14 )    2012201475 ( 14 )    2012201502 ( 14 )
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2019357433 ( 1B )	2019357507 ( 1B )	2019357592 ( 1B )
2019357593 ( 1B )	2019357601 ( 1B )	2019357608 ( 1B )
2019358207 ( 1B )	2019358244 ( 1B )	2019358444 ( 1B )
2019358704 ( 1B )	2019358878 ( 1B )	2019358979 ( 1B )
2019359141 ( 1B )	2019359364 ( 1B )	2019359375 ( 1B )
2019359381 ( 1B )	2019359452 ( 1B )	2019359457 ( 1B )
2019359475 ( 1B )	2019359539 ( 1B )	2019359778 ( 1B )
2019360094 ( 1B )	2019360123 ( 1B )	2019360211 ( 1B )
2019360341 ( 1B )	2019360932 ( 1B )	2019362467 ( 1B )
2019363169 ( 1B )	2019363232 ( 1B )	2019363347 ( 1B )
2019387068 ( 5C )	2019414240 ( 5C )	2019415806 ( 5C )
2019431390 ( 5C )	2019431527 ( 4D )	2019433619 ( 4A )
2019434866 ( 4C )	2019435407 ( 4A )	2019436353 ( 5C )
2019471277 ( 5C )		

**2020**

2020100419 ( 22E )	2020104483 ( 22E )	2020204542 ( 4C )
2020217492 ( 5C )	2020224377 ( 5C )	2020227049 ( 4C )
2020230313 ( 14 )	2020234409 ( 5C )	2020235315 ( 5C )
2020235319 ( 5C )	2020236971 ( 5C )	2020237077 ( 5C )
2020237376 ( 5C )	2020238495 ( 5C )	2020241387 ( 5C )
2020242059 ( 5C )	2020271386 ( 5C )	2020271618 ( 5C )
2020273287 ( 4D )	2020277119 ( 14 )	2020278231 ( 5C )
2020279039 ( 5C )	2020279611 ( 5C )	2020377311 ( 5C )
2020423756 ( 5C )	2020425673 ( 5C )	2020431122 ( 5C )

**2021**

2021101310 ( 22E )	2021101312 ( 22E )	2021101315 ( 22E )
2021101316 ( 22E )	2021101318 ( 22E )	2021101319 ( 22E )
2021101320 ( 22E )	2021101321 ( 22E )	2021101322 ( 22E )
2021101325 ( 22E )	2021101326 ( 22E )	2021101329 ( 22E )
2021101332 ( 22E )	2021101335 ( 22E )	2021101339 ( 22E )
2021101340 ( 22E )	2021101341 ( 22E )	2021101342 ( 22E )

2021101343 ( 22E ) 2021101344 ( 22E ) 2021101345 ( 22E )  
 2021101346 ( 22E ) 2021101347 ( 22E ) 2021101348 ( 22E )  
 2021101349 ( 22E ) 2021101352 ( 22E ) 2021101355 ( 22E )  
 2021101360 ( 22E ) 2021101361 ( 22E ) 2021101362 ( 22E )  
 2021101363 ( 22E ) 2021101364 ( 22E ) 2021101366 ( 22E )  
 2021101367 ( 22E ) 2021101369 ( 22E ) 2021101370 ( 22E )  
 2021101371 ( 22E ) 2021101372 ( 22E ) 2021101373 ( 22E )  
 2021101374 ( 22E ) 2021101375 ( 22E ) 2021101376 ( 22E )  
 2021101377 ( 22E ) 2021101379 ( 22E ) 2021101380 ( 22E )  
 2021101381 ( 22E ) 2021101383 ( 22E ) 2021101384 ( 22E )  
 2021101385 ( 22E ) 2021101386 ( 22E ) 2021101394 ( 22E )  
 2021101395 ( 22E ) 2021101396 ( 22E ) 2021101397 ( 22E )  
 2021101398 ( 22E ) 2021101399 ( 22E ) 2021101400 ( 22E )  
 2021101402 ( 22E ) 2021101406 ( 22E ) 2021101409 ( 22E )  
 2021101411 ( 22E ) 2021101415 ( 22E ) 2021101417 ( 22E )  
 2021101421 ( 22E ) 2021101426 ( 22E ) 2021101427 ( 22E )  
 2021101430 ( 22E ) 2021101431 ( 22E ) 2021101434 ( 22E )  
 2021101435 ( 22E ) 2021201137 ( 5C ) 2021201911 ( 14 )  
 2021203094 ( 5C ) 2021203287 ( 4C ) 2021203397 ( 4C )  
 2021203400 ( 4C ) 2021203805 ( 25D ) 2021204509 ( 5C )  
 2021204751 ( 5C ) 2021206790 ( 4C ) 2021206853 ( 4C )  
 2021209160 ( 5C ) 2021209280 ( 5C ) 2021209289 ( 5C )  
 2021209326 ( 5C ) 2021209352 ( 4C ) 2021215271 ( 5C )  
 2021215303 ( 5C ) 2021218236 ( 5C ) 2021225215 ( 25D )  
 2021232716 ( 5C ) 2021232810 ( 4C ) 2021234854 ( 5C )  
 2021236480 ( 5C ) 2021236524 ( 5C ) 2021236572 ( 5C )  
 2021240183 ( 5C ) 2021240185 ( 5C ) 2021240197 ( 5C )  
 2021240228 ( 5C ) 2021240278 ( 5C ) 2021245188 ( 5C )  
 2021245237 ( 5C ) 2021249209 ( 5C ) 2021250857 ( 4C )  
 2021258098 ( 12C ) 2021267059 ( 5C ) 2021269386 ( 5C )

**2022**

2022200841 ( 25D ) 2022224782 ( 4C ) 2022224790 ( 5C )  
 2022231733 ( 4C ) 2022259798 ( 4C ) 2022902824 ( 12AN )  
 2022902902 ( 12AN )

**2023**

2023201335 ( 4B ) 2023204307 ( 1B ) 2023204388 ( 7AN )  
 2023204569 ( 7AN ) 2023204675 ( 7AN ) 2023204704 ( 7AN )

**Assignments before Grant, Section 113**

**2017**

2017299673 Janssen Pharmaceutica NV The application has been assigned to **Janssen Biotech, Inc.**

2017351802 Covestro (Netherlands) B.V. The application has been assigned to **Stratasys, Inc.**

**2018**

2018282282 Wilson & Gilkes Pty Ltd The application has been assigned to **Opie Manufacturing Group Pty Ltd**

2018304881 Roberge, Christophe; Rech, Anthony; MedinCell; Cros, Jean-Manuel The application has been assigned to **MEDINCELL S.A.**

**2019**

2019401166 Kimble, Bernard; Treadwell, Michael; Sigdel, Ankita; Eco-librium Biologicals Holdings Limited; Ford, Stephen The application has been assigned to **CELLORA LIMITED**

**2020**

2020249800 Strix Guangzhou Limited; Strix Limited The application has been assigned to **Strix (China) Limited**

**Assignments before Grant, Section 113**

2020318326 Obshchestvo S Ogranichennoj Otvetstvennostyu "Neftekamskij Mashinostroitelnyj Zavod" The application has been assigned to **KLPP Insurance and Reinsurance Company LTD**

2020341679 Apton Biosystems, Inc. The application has been assigned to **Pacific Biosciences of California, Inc.**

2020435503 Suzhou Zhanrong Pharma Ltd. The application has been assigned to **F. Hoffmann-La Roche AG**

**2021**

2021211382 Australis Aquaculture, LLC The application has been assigned to **Australis Holdings, Inc.**

2021221622 Metso Outotec Sweden AB The application has been assigned to **Metso Outotec Finland Oy**

2021298219 Freeline Therapeutics Limited The application has been assigned to **Syncona IP Holdco (2) Limited**

2021306693 Strix Limited; Strix Guangzhou Limited The application has been assigned to **Strix (China) Limited**

**2022**

2022203302 Aromyx Corporation The application has been assigned to **Suntory Holdings Limited**

2022206800 Swedish Biomimetics 3000 Limited The application has been assigned to **Nova Primary Manufacturing Limited**

2022242818 BIOTHERYX, INC. The application has been assigned to **Yissum Research Development Company of the Hebrew University of Jerusalem, Ltd.**

2022902883 European Metals Holdings Ltd The application has been assigned to **GEOMET sro**

**2023**

2023204394 Apton Biosystems, Inc. The application has been assigned to **Pacific Biosciences of California, Inc.**

2023900752 Australia River&Stone Culture Development PTY LTD The application has been assigned to **Zhang, Wei; Qian, Yiyong; Zhang, Shichao**

2023902710 Binnie, Fergus; Ritchie, Christopher; Surman, Peter; Shi, Zhen; Long, Yuefeng The application has been assigned to **Douglas Pharmaceuticals 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.

**2012**

2012271836 **Nostrum Technologies LLC** An application to extend the time from 12 Jun 2022 to 12 Jun 2023 in which to pay a renewal fee

**Extensions of Time, Section 223**

has been filed . Address for service - Walker IP PO Box 637 South Melbourne VIC 3205 AU

**2018**

2018348179 **Rafii, E.** An application to extend the time from 11 Oct 2022 to 11 Aug 2023 in which to pay a continuation fee has been filed . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

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

**2011**

2011226976 **DMS Composites Pty Ltd** The time in which to pay a renewal fee has been extended to 30 Apr 2023 . Address for service - Allens Patent & Trade Mark Attorneys Deutsche Bank Place Corner Hunter and Phillip Streets SYDNEY NSW 2000 AU

**2018**

2018100811 **Queensland Bullbars** The time in which to pay a renewal fee has been extended to 18 May 2023 . Address for service - Jones Tulloch PO BOX 181 Kew East VIC 3102 AU

2018204350 **Queensland Bullbars** The time in which to pay a continuation fee has been extended to 18 May 2023 . Address for service - Jones Tulloch PO BOX 181 Kew East VIC 3102 AU

2018263999 **TMJ Orthopaedics Pty Ltd** The time in which to pay a continuation fee has been extended to 13 Jul 2023 . Address for service - Actuate Patents L11, 65 York St Sydney NSW 2000 AU

**2019**

2019332898 **Faunaphotonics Agriculture & Environmental A/S** The time in which to request examination has been extended to 06 Sep 2023 . Address for service - Franke Hyland Pty Ltd PO Box 356 NORTH RYDE BC NSW 1670 AU

2019351262 **Sigilon Therapeutics, Inc.** The time in which to request examination has been extended to 04 Oct 2023 . Address for service - Pearce IP Pty Ltd L5, 20 Bond St SYDNEY NSW 2000 AU

2019351573 **Willow IP Pty Ltd** The time in which to request examination has been extended to 27 Sep 2023 . Address for service - FORWARD INTELLECTUAL PROPERTY PTY LTD U 3 127 Crown Rd Queenscliff NSW 2096 AU

2019352457 **Reed Advanced Materials Pty Ltd** The time in which to request examination has been extended to 04 Oct 2023 . Address for service - WRAYS PTY LTD L7 863 Hay St Perth WA 6000 AU

**2020**

2020234409 **LG Electronics Inc.** The time in which to gain acceptance has been extended to 15 Dec 2023 . Address for service - Dentons Patent Attorneys Australasia Limited 18 Viaduct Harbour Avenue Auckland CBD 1142 NZ

**2021**

2021275607 **2 V INDUSTRIES, INC.** The time in which to enter the National Phase has been extended to 08 May 2023 . Address for service - Griffith Hack Level 15, 376-390 Collins Street Melbourne VIC 3000 AU

**Extensions of Time, Section 223**

2021346299 **Fakhari, V.** The time in which to pay the acceptance fee has been extended to 11 Sep 2023 . Address for service - Vahid Fakhari Unit 40a, 302, Burns Bay Road Lane Cove NSW 2066 AU

**2023**

2023203314 **Vycellix, Inc.** The time in which to request examination has been extended to 14 Sep 2023 . Address for service - Franke Hyland Pty Ltd PO Box 356 NORTH RYDE BC NSW 1670 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.

**2019**

2019226718 Compounds that modulates AMPA receptor function **University College Cardiff Consultants Limited** The nature of the amendment is as shown in the statement(s) filed 21 Sep 2023 . Address for service - FPA Patent Attorneys Pty Ltd Level 19, South Tower 80 Collins Street Melbourne VIC 3000 AU

2019400494 Drinking device **air up group GmbH** The nature of the amendment is as shown in the statement(s) filed 15 Sep 2023 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

**2020**

2020203853 Human immunodeficiency virus (HIV)-neutralizing antibodies **The Scripps Research Institute ; International AIDS Vaccine Initiative ; Theraclone Sciences, Inc.** The nature of the amendment is as shown in the statement(s) filed 14 Sep 2023 . Address for service - FB Rice Pty Ltd L 33 477 Collins Street Melbourne VIC 3000 AU

2020226565 Neighbouring sample selection for intra prediction **Beijing Bytedance Network Technology Co., Ltd. ; ByteDance Inc.** The nature of the amendment is as shown in the statement(s) filed 30 Aug 2023 . Address for service - Griffith Hack Level 15, 376-390 Collins Street Melbourne VIC 3000 AU

2020295083 Method for manufacturing vacuum heat insulator and vacuum heat insulator **Yazaki Energy System Corporation** The nature of the amendment is as shown in the statement(s) filed 04 Aug 2023 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

**2021**

2021266331 Transparent door **Hussmann Corporation** The nature of the amendment is as shown in the statement(s) filed 31 Aug 2023 . Address for service - Griffith Hack Level 10 161 Collins St MELBOURNE VIC 3000 AU

**2022**

2022201087 ADELMIROL FOR USE IN DISEASES CHARACTERIZED BY INSUFFICIENT AGONISM OF PPAR-GAMMA RECEPTOR

**Amendments**

**Epitech Group S.p.A.** The nature of the amendment is as shown in the statement(s) filed 14 Sep 2023 . Address for service - Phillips Ormonde Fitzpatrick PO Box 323 COLLINS STREET WEST VIC 8007 AU

**Amendments Made****2016**

2016368099 **Merck Patent GmbH; Pfizer, Inc.** The nature of the amendment is as shown in the statement(s) filed 05 Jun 2023

**2017**

2017330212 **Apple Inc.** The nature of the amendment is: Amend the name of the inventor to read Barlier, Guillaume; Bauer, Sebastian; Cranfill, Elizabeth Caroline; Guzman, Aurelio; Jon, Tiffany S.; Manzari, Johnnie B.; Ryan, Nicole R.; Scapel, Nicholas; Triverio, Marco; Van Os, Marcel; Wilson, Christopher and Yerkes, Giancarlo

2017362054 **RAI Strategic Holdings, Inc.** The nature of the amendment is: Application is to proceed under the number 2017101944

2017379879 **Ohio State Innovation Foundation** The nature of the amendment is as shown in the statement(s) filed 29 Jun 2023

**2018**

2018249533 **University Of Washington; Institute For Research In Biomedicine** The nature of the amendment is as shown in the statement(s) filed 24 May 2023

2018279787 **Apple Inc.** The nature of the amendment is: Amend the name of the inventor to read Dye, Alan C.; Ive, Jonathan P.; Souza Dos Santos, Andre; Behzadi, Arian; Manzari, Johnnie B.; Sorrentino III, Billy; Hermans, Caroline; Irani, Cyrus Daniel; Preston, Daniel Trent; Harris, Elliott; Kim, Emilie; Cao, Frederic; Johnson, Garrett; Paul, Grant; Brasket, Jeffrey A.; Malia, Joseph A.; Berezka, Marek and Pivonka, Pavel

2018346105 **Prevail Therapeutics, Inc.** The nature of the amendment is as shown in the statement(s) filed 06 Jul 2023

2018348359 **Douglas Pharmaceuticals Ltd.** The nature of the amendment is as shown in the statement(s) filed 26 Jun 2023

**2019**

2019101062 **Apple Inc.** The nature of the amendment is as shown in the statement(s) filed 20 Jun 2023

2019392264 **Sirtex Medical Inc.** The nature of the amendment is: Amend the name of the inventor to read DRAKE, Jesse; MCCARTHY, Justin; PARROTT, David; ROSE, Joshua; THRAILKILL, Patrick T.; GALLAGHER, Charlotte A.; CUTULI, Kate; THOMPSON, Diana Sulas and COLLINS, Zachary

2019440194 **Rubberbras Ltda** The nature of the amendment is: Application is to proceed under the number 2019101851

**2020**

2020201969 **Apple Inc.** The nature of the amendment is: Amend the name of the inventor to read DYE, Alan C.; IVE, Jonathan P.; SOUZA DOS SANTOS, Andre; BEHZADI, Arian; MANZARI, Johnnie B.; SORRENTINO III, Billy; HERMANS, Caroline; IRANI, Cyrus Daniel; PRESTON, Daniel Trent; HARRIS, Elliott; KIM, Emilie; CAO, Frederic;

**Amendments**

JOHNSON, Garrett; PAUL, Grant; BRASKET, Jeffrey A.; MALIA, Joseph A.; BEREZA, Marek and PIVONKA, Pavel

2020213402 **Apple Inc.** The nature of the amendment is: Amend the name of the inventor to read BARLIER, Guillaume; BAUER, Sebastian; CRANFILL, Elizabeth Caroline; GUZMAN, Aurelio; JON, Tiffany S.; MANZARI, Johnnie B.; RYAN, Nicole R.; SCAPEL, Nicholas; TRIV-ERIO, Marco; VAN OS, Marcel; WILSON, Christopher and YERKES, Giancarlo

2020294208 **Apple Inc.** The nature of the amendment is: Amend the name of the inventor to read BARLIER, Guillaume; BAUER, Sebastian; CRANFILL, Elizabeth Caroline; GUZMAN, Aurelio; JON, Tiffany S.; MANZARI, Johnnie B.; RYAN, Nicole R.; SCAPEL, Nicholas; TRIV-ERIO, Marco; VAN OS, Marcel; WILSON, Christopher and YERKES, Giancarlo

**2021**

2021203177 **Apple Inc.** The nature of the amendment is: Amend the name of the inventor to read DYE, Alan C.; IVE, Jonathan P.; SOUZA DOS SANTOS, Andre; BEHZADI, Arian; MANZARI, Johnnie B.; SORRENTINO III, Billy; HERMANS, Caroline; IRANI, Cyrus Daniel; PRESTON, Daniel Trent; HARRIS, Elliott; KIM, Emilie; CAO, Frederic; JOHNSON, Garrett; PAUL, Grant; BRASKET, Jeffrey A.; MALIA, Joseph A.; BEREZA, Marek and PIVONKA, Pavel

2021203726 **The J. David Gladstone Institutes; The Regents of the University of California; Ithaca College** The nature of the amendment is as shown in the statement(s) filed 04 Jul 2023

2021204783 **Beijing Tusen Weilai Technology Co., Ltd.** The nature of the amendment is: Amend the priority details to read 202010686900.1 16 Jul 2020 CN

2021215135 **Schneider Electric (Australia) Pty Limited** The nature of the amendment is: Application is to proceed under the number 2021107682

2021384158 **TAIHO PHARMACEUTICAL CO., LTD.** The nature of the amendment is as shown in the statement(s) filed 28 Sep 2023

**2022**

2022200965 **Apple Inc.** The nature of the amendment is: Amend the name of the inventor to read BARLIER, Guillaume; BAUER, Sebastian; CRANFILL, Elizabeth Caroline; GUZMAN, Aurelio; JON, Tiffany S.; MANZARI, Johnnie B.; RYAN, Nicole R.; SCAPEL, Nicholas; TRIV-ERIO, Marco; VAN OS, Marcel; WILSON, Christopher and YERKES, Giancarlo

2022211161 **NASOGASTRIC FEEDING SOLUTIONS LTD** The nature of the amendment is as shown in the statement(s) filed 20 Sep 2023

2022227515 **BLUESHIFT, LLC DBA OUTWARD TECHNOLOGIES** The nature of the amendment is: Amend the name of the inventor to read BREWER, Andrew, Timon and GARVEY, Ryan

2022232471 **SCHLUMBERGER TECHNOLOGY B.V.** The nature of the amendment is as shown in the statement(s) filed 21 Sep 2023

**Amendments**

2022261124 **DANA-FARBER CANCER INSTITUTE, INC.** The nature of the amendment is as shown in the statement(s) filed 15 Sep 2023

**2023**

2023204616 **Apple Inc.** The nature of the amendment is: Amend the name of the inventor to read Dye, Alan C.; Ive, Jonathan P.; Souza Dos Santos, Andre; Behzadi, Arian; Manzari, Johnnie B.; Sorrentino III, Billy; Hermans, Caroline; Irani, Cyrus Daniel; Preston, Daniel Trent; Harris, Elliott; Kim, Emilie; Cao, Frederic; Johnson, Garrett; Paul, Grant; Brasket, Jeffrey A.; Malia, Joseph A.; Bereza, Marek and Pivonka, Pavel

2023219926 **Apple Inc.** The nature of the amendment is: Amend the name of the inventor to read Barlier, Guillaume; Bauer, Sebastian; Cranfill, Elizabeth Caroline; Guzman, Aurelio; Jon, Tiffany S.; Manzari, Johnnie B.; Ryan, Nicole R.; Scapel, Nicholas; Triverio, Marco; Van Os, Marcel; Wilson, Christopher and Yerkes, Giancarlo

**Alteration of Name(s) of Applicant(s)/Patentee(s)****2015**

2015393664 Ingenieria Wiseconn S.A. The name of the patentee has been altered to **Ingenieria WiseConn SpA**

**2016**

2016268158 Arizona Board of Regents on behalf of Arizona State University; Regents of the University of Minnesota; Crestovo Holdings LLC The name of the patentee has been altered to **Arizona Board of Regents on behalf of Arizona State University; Regents of the University of Minnesota; Finch Therapeutics Holdings LLC**

**2019**

2019206438 Aurigene Discovery Technologies Limited The name of the applicant has been altered to **Aurigene Oncology Limited**

2019375193 Aurigene Discovery Technologies Limited The name of the applicant has been altered to **Aurigene Oncology Limited**

**2020**

2020253522 Dow AgroSciences LLC The name of the applicant has been altered to **CORTEVA AGRISCIENCE LLC**

**2021**

2021240256 Levitas, Inc. The name of the applicant has been altered to **LevitasBio, Inc.**

**2022**

2022203294 Arizona Board of Regents on behalf of Arizona State University; Regents of the University of Minnesota; Crestovo Holdings LLC The name of the applicant has been altered to **Finch Therapeutics Holdings LLC; Arizona Board of Regents on behalf of Arizona State University; Regents of the University of Minnesota**

202227929 TRANSWORLD TECHNOLOGIES INC. The name of the applicant has been altered to **TRANSWORLD TECHNOLOGIES INC.; Deuss, J.**

**Amendments**

2022902819 Touchlight Aquaculture Limited The name of the applicant has been altered to **Touchlight Aquaculture Limited; Stonehaven Incubate AG**

**Notice of Intention to Amend under Section 105 pursuant to the Federal Court Rules**

Australian Patent/Patent Application 2012247900 in the name(s) of Bruckbauer, W.

Applications Open to Public Inspection

Name Index

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

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**A.L.M Holding Company see Ergon Asphalt & Emulsions, Inc.**

(21) 2023233155

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(71) Abiomed Europe GmbH  
 (11) AU-A-2023237080  
 (21) 2023237080 (22) 27.09.2023  
 (54) Blood pump with reinforced catheter  
 (51) Int. Cl.  
**A61M 60/13** ( 2021.01 )  
 (43) 12.10.2023  
 (62) 2018262633  
 (72) SIESS, Thorsten; KIRCHHOFF, Frank  
 (74) Spruson & Ferguson

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(71) Adare Pharmaceuticals, Inc.  
 (11) AU-A-2023233115  
 (21) 2023233115 (22) 20.09.2023  
 (54) METHODS OF TREATING EOSINOPHILIC ESOPHAGITIS  
 (51) Int. Cl.  
**A61K 31/56** ( 2006.01 )  
**A61K 9/20** ( 2006.01 )  
**A61P 1/04** ( 2006.01 )  
 (43) 12.10.2023  
 (62) 2017312660  
 (72) Meltzer, Brian; Comer, Gail  
 (74) Pizzey's Patent and Trade Mark Attorneys Pty Ltd

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(71) Advaxis, Inc.  
 (11) AU-A-2023233129  
 (21) 2023233129 (22) 21.09.2023  
 (54) Compositions and methods for lyophilization of bacteria or listeria strains  
 (51) Int. Cl.  
**C12N 1/04** ( 2006.01 )  
**A61K 9/19** ( 2006.01 )  
**A61K 35/74** ( 2015.01 )  
**C07K 14/195** ( 2006.01 )  
**C12N 15/74** ( 2006.01 )  
 (43) 12.10.2023  
 (62) 2018336988  
 (72) FELA, David; WALLECHA, Anu; GRACE, Mike; GOSSE, Melissa  
 (74) FB Rice Pty Ltd

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(71) AgriGate Australia Pty Ltd  
 (11) AU-A-2022202067  
 (21) 2022202067 (22) 25.03.2022  
 (54) Storage assembly, method and system of storing a perishable organic liquid  
 (51) Int. Cl.  
**B65D 88/74** ( 2006.01 )  
**A01J 9/04** ( 2006.01 )  
**A23C 3/00** ( 2006.01 )  
**A23C 3/04** ( 2006.01 )  
**B65D 85/80** ( 2006.01 )

**B65D 88/12** ( 2006.01 )  
 (43) 12.10.2023  
 (72) Askew, Peter Ronald  
 (74) GLMR

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(71) AGRIX IP PTY LTD  
 (11) AU-A-2022201987  
 (21) 2022201987 (22) 23.03.2022  
 (54) Soil Sample Collection Device  
 (51) Int. Cl.  
**E21B 25/06** ( 2006.01 )  
**E21B 49/02** ( 2006.01 )  
**G01N 1/08** ( 2006.01 )  
**E02D 1/04** ( 2006.01 )  
 (43) 12.10.2023  
 (72) Verbeek, Ignatius; Morris, Stuart  
 (74) AGRIX IP PTY LTD

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(71) aiFree Interactive Technology Co., Ltd.  
 (11) AU-A-2023233138  
 (21) 2023233138 (22) 21.09.2023  
 (54) WEARABLE INTERFACE FOR INTELLIGENT HEALTH PROMOTION SERVICE SYSTEM  
 (51) Int. Cl.  
**A61F 5/01** ( 2006.01 )  
**A61B 5/24** ( 2021.01 )  
 (43) 12.10.2023  
 (62) 2021203775  
 (72) CHANG, CHIEN-HSIANG; CHEN, PENG-TING; CHEN, PIN-JUN; LIEN, WEI-CHIH; LIN, YANG-CHENG; WU, PEI-YUN  
 (74) HENRY HUGHES IP LTD

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(71) AIM Intelligent Machines, Inc.  
 (11) AU-A-2022287567  
 (21) 2022287567 (22) 13.12.2022  
 (54) Autonomous control of on-site movement of powered earth-moving construction or mining vehicles  
 (51) Int. Cl.  
**G05D 1/02** ( 2020.01 )  
**E02F 9/20** ( 2006.01 )  
**G01C 21/36** ( 2006.01 )  
**G01S 17/89** ( 2020.01 )  
**G01S 19/47** ( 2010.01 )  
**G05B 19/46** ( 2006.01 )  
 (31) 17/970,427 (32) 20.10.22 (33) US  
 63/318,774 10.03.22 US  
 (43) 12.10.2023  
 (72) Kottaba, Robert; Sadilek, Adam  
 (74) Davies Collison Cave Pty Ltd

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(71) Aizoon S.r.l.  
 (11) AU-A-2023201841  
 (21) 2023201841 (22) 24.03.2023  
 (54) METHOD FOR ESTIMATING A VARIABLE OF INTEREST ASSOCIATED TO A GIVEN DISEASE AS A FUNCTION

OF A PLURALITY OF DIFFERENT OMICS DATA, CORRESPONDING DEVICE, AND COMPUTER PROGRAM PRODUCT

(51) Int. Cl.  
**G06N 3/08** ( 2023.01 )  
**G06N 20/10** ( 2019.01 )  
**G16H 50/20** ( 2018.01 )  
**G16H 50/30** ( 2018.01 )  
 (31) 10202200005861 (32) 24.03.22 (33) IT  
 (43) 12.10.2023  
 (72) Manganaro, Lorenzo; Sabbatini, Gianmarco; Bianco, Selene; Cipollini, Francesca; Colombi, Davide; Vattakunnel, Shaji; Falco, Paolo  
 (74) PHILLIPS ORMONDE FITZPATRICK

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(71) Alcon Inc.  
 (11) AU-A-2023237097  
 (21) 2023237097 (22) 27.09.2023  
 (54) Ocular implant with pressure sensor and delivery system  
 (51) Int. Cl.  
**A61B 3/16** ( 2006.01 )  
**A61F 2/14** ( 2006.01 )  
**A61F 2/16** ( 2006.01 )  
**A61F 9/00** ( 2006.01 )  
**A61F 9/007** ( 2006.01 )  
 (43) 12.10.2023  
 (62) 2021204344  
 (72) VAN METER, David Theodore; GALT, Kenneth M.  
 (74) Davies Collison Cave Pty Ltd

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(71) Angel Group Co., Ltd.  
 (11) AU-A-2023233183  
 (21) 2023233183 (22) 22.09.2023  
 (54) SUBSTITUTE CURRENCY FOR GAMING, INSPECTION DEVICE, AND MANUFACTURING METHOD OF SUBSTITUTE CURRENCY FOR GAMING, AND MANAGEMENT SYSTEM FOR TABLE GAMES  
 (51) Int. Cl.  
**G06Q 50/10** ( 2012.01 )  
**A63F 1/06** ( 2006.01 )  
**A63F 11/00** ( 2006.01 )  
 (43) 12.10.2023  
 (62) 2021286265  
 (72) Shigeta, Yasushi  
 (74) Pizzey's Patent and Trade Mark Attorneys Pty Ltd

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(71) Angel Group Co., Ltd.  
 (11) AU-A-2023233184  
 (21) 2023233184 (22) 22.09.2023  
 (54) SHUFFLED PLAYING CARDS AND MANUFACTURING METHOD THEREOF  
 (51) Int. Cl.  
**A63F 1/12** ( 2006.01 )

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**A63F 1/02** ( 2006.01 )  
**(43)** 12.10.2023  
**(62)** 2021218046  
**(72)** Shigeta, Yasushi  
**(74)** Pizzeys Patent and Trade Mark Attorneys Pty Ltd

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**(71)** apceth GmbH & Co. KG  
**(11)** AU-A-2023237078  
**(21)** 2023237078 **(22)** 27.09.2023

**(54)** Mesenchymal Stem Cells to Enhance Anti-Tumor Activity of Immunotherapy

**(51)** Int. Cl.  
**C12N 5/0775** ( 2010.01 )  
**A61K 35/17** ( 2015.01 )  
**A61K 35/28** ( 2015.01 )  
**C07K 14/54** ( 2006.01 )  
**C07K 16/30** ( 2006.01 )  
**C12N 5/077** ( 2010.01 )  
**C12N 5/0783** ( 2010.01 )

**(43)** 12.10.2023  
**(62)** 2017242899  
**(72)** Hermann, Felix; Günther, Christine; Geumann, Ulf  
**(74)** James & Wells Intellectual Property

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**(71)** Apple Inc.  
**(11)** AU-A-2023233133  
**(21)** 2023233133 **(22)** 21.09.2023  
**(54)** User interfaces for digital identification  
**(51)** Int. Cl.

**G06F 3/06** ( 2006.01 )  
**G06F 21/32** ( 2013.01 )  
**G06Q 99/00** ( 2006.01 )  
**H04L 9/32** ( 2006.01 )

**(43)** 12.10.2023  
**(62)** 2022235545  
**(72)** Pons Bordes, Pablo; Fasoli, Gianpaolo; Gentles, Tyler; Kindarji, Bruno; Kostka, Petr; Narula, Rohit; Silver, David W.; Sykora, Libor; Yang, Ka  
**(74)** FPA Patent Attorneys Pty Ltd

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**(71)** Apple Inc.  
**(11)** AU-A-2023233200  
**(21)** 2023233200 **(22)** 22.09.2023  
**(54)** Emoji recording and sending  
**(51)** Int. Cl.

**G06T 13/40** ( 2011.01 )  
**H04N 21/81** ( 2011.01 )

**(43)** 12.10.2023  
**(62)** 2022203285  
**(72)** Anzures, Freddy Allen; Bauer, Sebastian; Guzman, Aurelio; Scapel, Nicolas; Dye, Alan C.; King, Nicholas V.; Pham, Hoan; Barlier, Guillaume Pierre André; Bernstein, Jeffrey Traer; Hoffnung, Amir; Malia, Joseph A.; Yerkes, Giancarlo; Wilson, Christopher; Rickwald, Jason; Jones, Matthew  
**(74)** FPA Patent Attorneys Pty Ltd

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**(71)** Apple Inc.  
**(11)** AU-A-2023237050  
**(21)** 2023237050 **(22)** 26.09.2023  
**(54)** Inductor topology for phase noise reduction

**(51)** Int. Cl.  
**H03B 1/04** ( 2006.01 )  
**H01F 17/00** ( 2006.01 )  
**H03B 5/08** ( 2006.01 )  
**H03B 27/00** ( 2006.01 )

**(43)** 12.10.2023  
**(62)** 2022221582  
**(72)** Li, Yi-An; Hussein, Ahmed I.; Zhao, Yi  
**(74)** FPA Patent Attorneys Pty Ltd

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**(71)** Apple Inc.  
**(11)** AU-A-2023237090  
**(21)** 2023237090 **(22)** 27.09.2023  
**(54)** Physical activity and workout monitor  
**(51)** Int. Cl.

**G06F 19/00** ( 2018.01 )  
**(43)** 12.10.2023  
**(62)** 2022201761  
**(72)** Blahnik, Jay; Butcher, Gary Ian; Chen, Kevin Will; Graham, David Chance; Keen, Daniel S.; Rushing, Justin Shane; Shortlidge, T. Allan; Davydov, Anton M.; Dye, Alan C.; Ive, Jonathan P.; Kennedy, Zachery; Minjack, Zachary; Park, Dennis S.; Schmitt, Brian  
**(74)** FPA Patent Attorneys Pty Ltd

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**(71)** APPLE INC.  
**(11)** AU-A-2023233175  
**(21)** 2023233175 **(22)** 22.09.2023  
**(54)** Methods for adjusting and/or controlling immersion associated with user interfaces

**(51)** Int. Cl.  
**G06F 3/01** ( 2006.01 )  
**G06F 3/0362** ( 2013.01 )  
**G06F 3/0481** ( 2022.01 )

**(43)** 12.10.2023  
**(62)** 2021349382  
**(72)** Henderson, Nicholas W.; Kawashima, Ieyuki; Lemay, Stephen O.; Pas-trana Vicente, Israel; Holder, Wesley M.; Faulkner, Jeffrey M.; Sorrentino III, William A.; Dye, Alan C.; Hankey, M. Evans; Jaede, Julian; Ive, Jonathan P.; Butcher, Gary Ian; Dessero, James M.; Bauerly, Kristi E.; Boesel, Benjamin H.; Chiu, Shi-Sang; Huang, David H.; Dargan, Dorian D.  
**(74)** FPA Patent Attorneys Pty Ltd

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**(71)** Arcadia Power, Inc.  
**(11)** AU-A-2023201766  
**(21)** 2023201766 **(22)** 21.03.2023  
**(54)** Systems and methods of utility data triangulation to verify data accuracy  
**(51)** Int. Cl.

**G06Q 30/04** ( 2012.01 )  
**G06Q 50/06** ( 2012.01 )  
**(31)** 17/701,776 **(32)** 23.03.22 **(33)** US  
**(43)** 12.10.2023  
**(72)** Tucker, John; Riley, Jason; Prabhu, San; Garcia, Ruben  
**(74)** Spruson & Ferguson

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**(71)** Arcadia Power, Inc.  
**(11)** AU-A-2023201767

**(21)** 2023201767 **(22)** 21.03.2023  
**(54)** Systems and methods of determining data of energy utilities  
**(51)** Int. Cl.  
**G06Q 50/06** ( 2012.01 )  
**G06Q 30/04** ( 2012.01 )  
**G06Q 40/10** ( 2023.01 )  
**(31)** 17/701,791 **(32)** 23.03.22 **(33)** US  
**(43)** 12.10.2023  
**(72)** Tucker, John; Lopuch, Daniel  
**(74)** Spruson & Ferguson

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**(71)** Aristocrat Technologies, Inc.  
**(11)** AU-A-2023201313  
**(21)** 2023201313 **(22)** 03.03.2023  
**(54)** Electronic Gaming Device Having Look-up Tables Associated with Targeted Volatility and Win Liability Controls

**(51)** Int. Cl.  
**G07F 17/32** ( 2006.01 )  
**(31)** 17/704,949 **(32)** 25.03.22 **(33)** US  
**(43)** 12.10.2023  
**(72)** Hawkins, Ryan; Klepzig, Stephanie; Honeycutt, Robert  
**(74)** James & Wells Intellectual Property

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**(71)** Aristocrat Technologies Australia Pty Limited  
**(11)** AU-A-2023233150  
**(21)** 2023233150 **(22)** 21.09.2023  
**(54)** A GAMING MACHINE AND A METHOD OF OPERATING A GAMING MACHINE  
**(51)** Int. Cl.  
**A63F 13/00** ( 2014.01 )  
**(43)** 12.10.2023  
**(62)** 2018217284  
**(72)** MEYER, Jason  
**(74)** Griffith Hack

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**(71)** Assa Abloy AB  
**(11)** AU-A-2023237081  
**(21)** 2023237081 **(22)** 27.09.2023  
**(54)** Ultra-wide band device for access control reader system  
**(51)** Int. Cl.  
**G07C 9/28** ( 2020.01 )  
**G01S 13/02** ( 2006.01 )  
**G07C 9/29** ( 2020.01 )  
**H04W 4/02** ( 2018.01 )

**(43)** 12.10.2023  
**(62)** 2020247386  
**(72)** PIRCH, Hans-Juergen; EINBERG, Fredrik Carl Stefan; JONSSON, Tomas Lars; PREVOST, Sylvain Jacques; STEFFL, Jan; FRANK, Hans Gunnar  
**(74)** Davies Collison Cave Pty Ltd

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**(71)** Avacta Life Sciences Limited  
**(11)** AU-A-2023208125  
**(21)** 2023208125 **(22)** 26.07.2023  
**(54)** Scaffold proteins  
**(51)** Int. Cl.  
**C07K 14/81** ( 2006.01 )  
**C12N 15/62** ( 2006.01 )

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 (62) 2018295447  
 (72) Platt, Geoff William; Spence, Graham  
 Robert Pye-Smith  
 (74) O'Sullivan's Patent and Trade Mark At-  
 torneys Pty Ltd

(71) Aveine  
 (11) AU-A-2023237069  
 (21) 2023237069 (22) 26.09.2023  
 (54) BEVERAGE POURING DEVICE, COM-  
 PRISING A CENTRAL AIR INJECTOR  
 (51) Int. Cl.  
*B01F 3/04* ( 2006.01 )  
*B01F 5/04* ( 2006.01 )  
*B01F 13/00* ( 2006.01 )  
*B01F 15/00* ( 2006.01 )  
*B01F 15/02* ( 2006.01 )  
 (43) 12.10.2023  
 (62) 2017398983  
 (72) Naigeon, Nicolas; Kamenoff, Nicolas;  
 Robert, Matthieu  
 (74) Madderns Pty Ltd

(71) BEA SA  
 (11) AU-A-2023237072  
 (21) 2023237072 (22) 26.09.2023  
 (54) LASER SCANNER FOR MONITORING  
 A MONITORING REGION  
 (51) Int. Cl.  
*G01S 17/10* ( 2020.01 )  
*E05F 15/43* ( 2015.01 )  
*E05F 15/74* ( 2015.01 )  
*G01S 7/487* ( 2006.01 )  
*G01S 17/42* ( 2006.01 )  
*G01S 17/46* ( 2006.01 )  
*G01S 17/88* ( 2006.01 )  
 (43) 12.10.2023  
 (62) 2018284001  
 (72) VAN LOO, Sébastien; MEYERS, Marc;  
 CAMPAS, Théodoros; KLEIN, Jean-  
 François  
 (74) Krouzer IP

(71) Beijing Baidu Netcom Science Techno-  
 logy Co., Ltd.  
 (11) AU-A-2023237108  
 (21) 2023237108 (22) 27.09.2023  
 (54) Method and apparatus for adjusting  
 qubit frequency, electronic device and  
 readable storage medium  
 (51) Int. Cl.  
*G01R 33/32* ( 2006.01 )  
 (31) 202310341847.5 (32) 31.03.23 (33) CN  
 (43) 12.10.2023  
 (72) LI, Li; GUO, Xueyi  
 (74) FB Rice Pty Ltd

(71) Beijing Tusen Zhitu Technology Co.,  
 Ltd.  
 (11) AU-A-2023201569  
 (21) 2023201569 (22) 14.03.2023  
 (54) Graphics processing unit invoking  
 method, central processing unit and ap-  
 paratus  
 (51) Int. Cl.  
*G06F 9/48* ( 2006.01 )

(31) 202210297294.3 (32) 24.03.22 (33) CN  
 (43) 12.10.2023  
 (72) SUN, Pangbo; WU, Hao; JIN, Jiang-  
 ming  
 (74) FB Rice Pty Ltd

(71) BHP Innovation Pty Ltd  
 (11) AU-A-2023226656  
 (21) 2023226656 (22) 05.09.2023  
 (54) A METHOD OF PACKAGING RAILWAY  
 WAGON COMPONENTS  
 (51) Int. Cl.  
*B65D 85/68* ( 2006.01 )  
*B65D 90/00* ( 2006.01 )  
*B61D 17/04* ( 2006.01 )  
 (43) 12.10.2023  
 (62) PCT/AU2023/050132  
 (72) Lynch, Murray  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) BioNTech SE  
 (11) AU-A-2023237054  
 (21) 2023237054 (22) 26.09.2023  
 (54) POTENCY ASSAY FOR THERAPEUT-  
 IC POTENTIAL OF CODING NUCLEIC  
 ACID  
 (51) Int. Cl.  
*C12N 15/67* ( 2006.01 )  
*A61K 31/7088* ( 2006.01 )  
*A61K 39/12* ( 2006.01 )  
*A61K 39/215* ( 2006.01 )  
*C12N 15/10* ( 2006.01 )  
 (43) 12.10.2023  
 (62) 2022336160  
 (72) Haas, Heinrich; Schumacher, Jens;  
 Tenzer, Stefan  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) BISSELL Inc.  
 (11) AU-A-2023201035  
 (21) 2023201035 (22) 22.02.2023  
 (54) SURFACE CLEANING APPARATUS  
 WITH STEAM  
 (51) Int. Cl.  
*A47L 11/34* ( 2006.01 )  
*A47L 7/02* ( 2006.01 )  
*A47L 11/30* ( 2006.01 )  
*A47L 11/40* ( 2006.01 )  
 (31) 17/704,626 (32) 25.03.22 (33) US  
 (43) 12.10.2023  
 (72) RESCH, Jacob; WOODCOX, Andrew;  
 HOFFMANN, Jeremy W.  
 (74) Griffith Hack

(71) Blackhawk Network, Inc.  
 (11) AU-A-2023237091  
 (21) 2023237091 (22) 27.09.2023  
 (54) Efficient stored-value card transactions  
 (51) Int. Cl.  
*G06Q 40/00* ( 2023.01 )  
*G06Q 20/22* ( 2012.01 )  
*G06Q 20/28* ( 2012.01 )  
*G06Q 20/34* ( 2012.01 )  
*G06Q 30/06* ( 2023.01 )

(43) 12.10.2023  
 (62) 2021212099  
 (72) ANSARI, Ansar  
 (74) Davies Collison Cave Pty Ltd

(71) Boston Scientific Scimed, Inc.  
 (11) AU-A-2023233140  
 (21) 2023233140 (22) 21.09.2023  
 (54) Systems and methods for planning  
 medical procedures  
 (51) Int. Cl.  
*A61B 34/10* ( 2016.01 )  
 (43) 12.10.2023  
 (62) 2021258038  
 (72) LONG, Jerry T.; HARRAH, Timothy  
 P.; CRAFT, Brandon W.; STOKLEY,  
 Elizabeth A.; KOERNER, Sebastian;  
 SPERRY, Erik; SCHNEIDER, Chad;  
 HERA, Mark  
 (74) Spruson & Ferguson

(71) Boston Scientific Scimed Inc  
 (11) AU-A-2023237093  
 (21) 2023237093 (22) 27.09.2023  
 (54) Circulatory support pump centering an-  
 choring & centering device  
 (51) Int. Cl.  
*A61M 60/00* ( 2021.01 )  
 (43) 12.10.2023  
 (62) 2020334051  
 (72) STRUTHERS, Brett C.; JANCARIC,  
 Thomas P.; CHOUINARD, Paul F.;  
 ANAND, Umang  
 (74) Spruson & Ferguson

(71) Canon Kabushiki Kaisha  
 (11) AU-A-2023233212  
 (21) 2023233212 (22) 22.09.2023  
 (54) Cartridge, process cartridge, and elec-  
 trophotographic image generation  
 device  
 (51) Int. Cl.  
*G03G 21/18* ( 2006.01 )  
*G03G 15/08* ( 2006.01 )  
 (43) 12.10.2023  
 (62) 2021273659  
 (72) SATO, Masaaki; YAMASHITA,  
 Masatoshi; NISHIYA, Satoshi; KANNO,  
 Kazuhiko  
 (74) Spruson & Ferguson

(71) Canva Pty Ltd  
 (11) AU-A-2023233202  
 (21) 2023233202 (22) 22.09.2023  
 (54) Systems, methods, and user interfaces  
 for editing digital assets  
 (51) Int. Cl.  
*G06F 3/0481* ( 2022.01 )  
*G06F 3/01* ( 2006.01 )  
*G06F 3/0482* ( 2013.01 )  
*G09G 5/30* ( 2006.01 )  
 (43) 12.10.2023  
 (62) 2022203064  
 (72) Perkins, Melanie; Faccin, Jessica; Pea-  
 cock, Andrew James; Ogden-Doyle,  
 Lucinda Phoebe  
 (74) FPA Patent Attorneys Pty Ltd



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- (71) Canva Pty Ltd  
 (11) AU-A-2023233204  
 (21) 2023233204 (22) 22.09.2023  
 (54) Systems and methods for remotely controlling electronic presentations  
 (51) Int. Cl.  
*H04L 67/025* ( 2022.01 )  
*G06Q 10/06* ( 2023.01 )  
*H04L 12/18* ( 2006.01 )  
*H04L 65/1069* ( 2022.01 )  
*G06F 3/048* ( 2013.01 )  
*G06F 16/438* ( 2019.01 )  
*H04M 3/56* ( 2006.01 )  
*H04N 7/15* ( 2006.01 )  
 (43) 12.10.2023  
 (62) 2021221388  
 (72) Burns, James Ross; Heng, Fu Xiu; Enoka, Samuel; Fernando, Ashwanth  
 (74) FPA Patent Attorneys Pty Ltd
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- China Coal Technology & Engineering Group Co., Ltd. see Shanghai, Tiandi Mining Equipment Technology Co., Ltd**  
 (21) 2022279410
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- (71) Clean Air-Engineering - Maritime, Inc.  
 (11) AU-A-2023233191  
 (21) 2023233191 (22) 22.09.2023  
 (54) Movable emission control system for auxiliary diesel engines  
 (51) Int. Cl.  
*F01N 3/035* ( 2006.01 )  
*B01D 53/94* ( 2006.01 )  
*F01N 3/10* ( 2006.01 )  
*F01N 13/00* ( 2010.01 )  
 (43) 12.10.2023  
 (62) 2022201687  
 (72) TONSICH, Nicholas G.  
 (74) Griffith Hack
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- (71) CLR-Chemisches Laboratorium Dr. Kurt Richter GmbH  
 (11) AU-A-2023237059  
 (21) 2023237059 (22) 26.09.2023  
 (54) Seed extract of *Annona cherimola*  
 (51) Int. Cl.  
*A61K 8/9789* ( 2017.01 )  
*A61K 36/185* ( 2006.01 )  
*A61P 17/04* ( 2006.01 )  
*A61Q 19/00* ( 2006.01 )  
 (43) 12.10.2023  
 (62) 2020230944  
 (72) JOHN, Sabrina; STEINMÜLLER, Anne; PRADE, Heiko  
 (74) Spruson & Ferguson
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- (71) CMR Surgical Limited  
 (11) AU-A-2023237084  
 (21) 2023237084 (22) 27.09.2023  
 (54) Controlling a surgical instrument  
 (51) Int. Cl.  
*A61B 34/00* ( 2016.01 )  
*A61B 34/30* ( 2016.01 )  
*A61B 34/35* ( 2016.01 )  
*A61B 90/00* ( 2016.01 )
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- A61B 34/20* ( 2016.01 )  
 (43) 12.10.2023  
 (62) 2020365104  
 (72) DEANE, Gordon Thomas; VEITCH, Graham John  
 (74) FB Rice Pty Ltd
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- (71) ConMed Corporation  
 (11) AU-A-2023237089  
 (21) 2023237089 (22) 27.09.2023  
 (54) Uterine manipulator  
 (51) Int. Cl.  
*A61B 17/42* ( 2006.01 )  
*A61B 17/00* ( 2006.01 )  
*A61B 17/12* ( 2006.01 )  
*A61B 18/00* ( 2006.01 )  
 (43) 12.10.2023  
 (62) 2021245155  
 (72) WU, Xiao; OKONIEWSKI, Gregory; HOLBROOKS, Ashley  
 (74) Griffith Hack
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- (71) Crown Equipment Corporation  
 (11) AU-A-2023237083  
 (21) 2023237083 (22) 27.09.2023  
 (54) Use of electronic badges in aisle passing maneuvers  
 (51) Int. Cl.  
*B66F 9/24* ( 2006.01 )  
*B66F 17/00* ( 2006.01 )  
*G05D 1/02* ( 2020.01 )  
 (43) 12.10.2023  
 (62) 2017281532  
 (72) Buchmann, Juergen; Mancini, Lewis H.; Simon, Andreas; Sick, Sebastian  
 (74) Griffith Hack
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- Curis, Inc. see Genentech, Inc.**  
 (21) 2023237067
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- D.E. Shaw Research, LLC see Relay Therapeutics, Inc.**  
 (21) 2023233205
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- Dana-Farber Cancer Institute, Inc. see The Children's Medical Center Corporation**  
 (21) 2023233195
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- (71) Decisive Farming Corp.  
 (11) AU-A-2023237061  
 (21) 2023237061 (22) 26.09.2023  
 (54) Agricultural enterprise management method and system  
 (51) Int. Cl.  
*G06Q 10/06* ( 2023.01 )  
*G06Q 50/02* ( 2012.01 )  
 (43) 12.10.2023  
 (62) 2021236463  
 (72) SCHMALTZ, Remi; COOLIDGE, Michael; DONALD, Garth  
 (74) Spruson & Ferguson
- 
- (71) Deere & Company  
 (11) AU-A-2023200707  
 (21) 2023200707 (22) 09.02.2023  
 (54) Height adjustable control surface  
 (51) Int. Cl.  
*G05G 1/02* ( 2006.01 )  
*G05G 1/01* ( 2008.04 )  
*G05G 1/04* ( 2006.01 )  
*G05G 9/047* ( 2006.01 )  
 (31) 22164314.1 (32) 25.03.22 (33) EP  
 (43) 12.10.2023  
 (72) Ulla, Bjorninen; Vesa, Siltanen; Sami, Horkko  
 (74) Davies Collison Cave Pty Ltd
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- (71) Deere & Company  
 (11) AU-A-2023200710  
 (21) 2023200710 (22) 09.02.2023  
 (54) Chopper system with wear indicator  
 (51) Int. Cl.  
*A01D 45/10* ( 2006.01 )  
 (31) 17/656,271 (32) 24.03.22 (33) US  
 (43) 12.10.2023  
 (72) Malani, Yogesh V.; Burch, Guy; Rodrigue, Todd J.  
 (74) Davies Collison Cave Pty Ltd
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- (71) Dexcom, Inc.  
 (11) AU-A-2023237012  
 (21) 2023237012 (22) 25.09.2023  
 (54) Sharing continuous glucose data and reports  
 (51) Int. Cl.  
*A61B 5/00* ( 2006.01 )  
*A61B 5/145* ( 2006.01 )  
*G06F 13/00* ( 2006.01 )  
*G06Q 50/22* ( 2018.01 )  
*G16H 10/60* ( 2018.01 )  
 (43) 12.10.2023  
 (62) 2021236556  
 (72) WIEDEBACK, Daniel Justin; DELMORE, Shane Philip; SLOAN, Jeremy Crawford; SCHUMACHER, Justin E.  
 (74) FB Rice Pty Ltd
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- (71) Ecolab USA Inc.  
 (11) AU-A-2022202049  
 (21) 2022202049 (22) 24.03.2022  
 (54) Alternative additives to enhance slurry dewatering  
 (51) Int. Cl.  
*C02F 11/147* ( 2019.01 )  
*C01F 7/148* ( 2022.01 )  
*F26B 5/00* ( 2006.01 )  
*C22B 3/22* ( 2006.01 )  
*C02F 103/10* ( 2006.01 )  
 (43) 12.10.2023  
 (61) 2015223407  
 (72) Urbani, Carl Nicholas  
 (74) Spruson & Ferguson
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- (71) Ecolab USA Inc.  
 (11) AU-A-2023233127  
 (21) 2023233127 (22) 21.09.2023  
 (54) Generation of peroxyformic acid through polyhydric alcohol formate  
 (51) Int. Cl.  
*A61L 2/18* ( 2006.01 )  
*A01N 37/00* ( 2006.01 )

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- A01N 37/16** ( 2006.01 )  
**A23C 7/02** ( 2006.01 )  
**A61K 9/08** ( 2006.01 )  
**C07C 327/26** ( 2006.01 )  
**C07C 407/00** ( 2006.01 )  
**C07C 409/24** ( 2006.01 )  
**(43)** 12.10.2023  
**(62)** 2022200907  
**(72)** LI, Junzhong; BREWSTER, Allison; STAUB, Richard; LANGE, Steven; CHERITU, Tizazu; FAST, Jonathan P.; HANSON, Catherine  
**(74)** Spruson & Ferguson
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- (71)** Ergon Asphalt & Emulsions, Inc.; A.L.M Holding Company  
**(11)** AU-A-2023233155  
**(21)** 2023233155 **(22)** 22.09.2023  
**(54)** CRUDE STEROL AS AN ADDITIVE IN ASPHALT BINDER  
**(51)** Int. Cl.  
**C08L 95/00** ( 2006.01 )  
**A61K 31/56** ( 2006.01 )  
**C04B 26/26** ( 2006.01 )  
**C08K 5/05** ( 2006.01 )  
**E01C 1/00** ( 2006.01 )  
**G01N 33/42** ( 2006.01 )  
**(43)** 12.10.2023  
**(62)** 2022202528  
**(72)** Reinke, Gerald H.; Baumgardner, Gaylon L.; Hanz, Andrew  
**(74)** Dark IP
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- (71)** Etavolt Pte Ltd; Nanyang Technological University  
**(11)** AU-A-2023201745  
**(21)** 2023201745 **(22)** 21.03.2023  
**(54)** METHODS AND APPARATUS FOR REGENERATION OF DEGRADED PHOTOVOLTAIC SOLAR CELLS  
**(51)** Int. Cl.  
**H02S 50/10** ( 2014.01 )  
**H01L 31/042** ( 2014.01 )  
**H01M 10/617** ( 2014.01 )  
**(31)** SG10202203156P **(32)** 28.03.22 **(33)** SG  
**(43)** 12.10.2023  
**(72)** WANG Chang-Kai, Stanley; LING, Zhi Peng; LIM Qiu Xuan, Cherylidine; SO, Yong Heng  
**(74)** Michael Buck IP
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- (71)** Fisher & Paykel Healthcare Limited  
**(11)** AU-A-2023233102  
**(21)** 2023233102 **(22)** 20.09.2023  
**(54)** TUBES FOR MEDICAL SYSTEMS  
**(51)** Int. Cl.  
**A61M 16/08** ( 2006.01 )  
**(43)** 12.10.2023  
**(62)** 2021221607  
**(72)** STOKS, Elmo Benson; MALLINSON, Jayananda  
**(74)** AJ PARK
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- (71)** FISHER & PAYKEL HEALTHCARE LIMITED  
**(11)** AU-A-2023233177  
**(21)** 2023233177 **(22)** 22.09.2023
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- (54)** BREATHING ASSISTANCE APPARATUS  
**(51)** Int. Cl.  
**A61M 16/06** ( 2006.01 )  
**(43)** 12.10.2023  
**(62)** 2021254530  
**(72)** MCAULEY, Alastair Edwin; GLEESON, Oliver; ERSTICH, Evan Stuart; FREEMAN, Simon Eric; DAVIES, Neil Glen; SCHOENBERG, Stephen John; LAW, Kamman; PRENTICE, Craig Robert  
**(74)** AJ PARK
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- (71)** GEA Farm Technologies, Inc.  
**(11)** AU-A-2023237024  
**(21)** 2023237024 **(22)** 25.09.2023  
**(54)** Safety valve for an automatic dairy animal milker unit backflusher and teat dip applicator  
**(51)** Int. Cl.  
**A01J 7/02** ( 2006.01 )  
**(43)** 12.10.2023  
**(62)** 201202216  
**(72)** TORGERSON, Kevin L.; HEDLUND, Nathan; STUESSEL, Matthew J.  
**(74)** Spruson & Ferguson
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- (71)** Genentech, Inc.; Curis, Inc.  
**(11)** AU-A-2023237067  
**(21)** 2023237067 **(22)** 26.09.2023  
**(54)** Pyridyl inhibitors of hedgehog signalling  
**(51)** Int. Cl.  
**C07D 213/38** ( 2006.01 )  
**A61K 31/4418** ( 2006.01 )  
**A61K 31/4427** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07D 213/40** ( 2006.01 )  
**C07D 213/56** ( 2006.01 )  
**C07D 213/70** ( 2006.01 )  
**C07D 213/75** ( 2006.01 )  
**C07D 213/81** ( 2006.01 )  
**C07D 213/82** ( 2006.01 )  
**C07D 401/12** ( 2006.01 )  
**C07D 401/14** ( 2006.01 )  
**C07D 405/12** ( 2006.01 )  
**C07D 409/12** ( 2006.01 )  
**C07D 413/12** ( 2006.01 )  
**C07D 417/04** ( 2006.01 )  
**C07D 417/12** ( 2006.01 )  
**C07F 9/142** ( 2006.01 )  
**(43)** 12.10.2023  
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**(72)** GUNZNER, Janet; SUTHERLIN, Daniel; STANLEY, Mark; BAO, Liang; CASTANEDO, Georgette; LALONDE, Rebecca; WANG, Shumei; REYNOLDS, Mark; SAVAGE, Scott; MALESKY, Kimberly; DINA, Michael  
**(74)** Spruson & Ferguson
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**(21)** 2023201784
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- (71)** Gileno, D.; Gileno, L.  
**(11)** AU-A-2023201784  
**(21)** 2023201784 **(22)** 22.03.2023
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- (54)** A BUILDING THAT RISES WITH FLOOD WATERS  
**(51)** Int. Cl.  
**E04H 9/14** ( 2006.01 )  
**B63B 35/44** ( 2006.01 )  
**E02D 27/00** ( 2006.01 )  
**E02D 27/50** ( 2006.01 )  
**(31)** 2022900780 **(32)** 28.03.22 **(33)** AU  
**(43)** 12.10.2023  
**(72)** Gileno, Daniel  
**(74)** IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD
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- (71)** Globberide, Inc.  
**(11)** AU-A-2023200622  
**(21)** 2023200622 **(22)** 07.02.2023  
**(54)** FISHING SPINNING REEL  
**(51)** Int. Cl.  
**A01K 89/01** ( 2006.01 )  
**(31)** 2022-045008 **(32)** 22.03.22 **(33)** JP  
**(43)** 12.10.2023  
**(72)** NAGAI, Ryou  
**(74)** K&L Gates
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- (71)** GNG Electrical Pty Ltd  
**(11)** AU-A-2023237040  
**(21)** 2023237040 **(22)** 26.09.2023  
**(54)** GENERATION LOAD CONTROL  
**(51)** Int. Cl.  
**G05F 5/00** ( 2006.01 )  
**H02J 3/14** ( 2006.01 )  
**(43)** 12.10.2023  
**(62)** 2021218121  
**(72)** ROGERS, Gregory Neville  
**(74)** Murray Trento & Associates Pty Ltd
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- (71)** GRAY CONSULTING, INC.  
**(11)** AU-A-2022388902  
**(21)** 2022388902 **(22)** 31.10.2022  
**(54)** A PRIVACY ENABLED SYSTEM AND METHOD FOR MANAGING LOGISTICS FOR CLINICAL STUDY PARTICIPANTS  
**(51)** Int. Cl.  
**G16H 10/20** ( 2018.01 )  
**G06Q 50/00** ( 2012.01 )  
**(31)** PCT/US2022/021443 **(32)** 22.03.22 **(33)** US  
**(43)** 12.10.2023  
**(72)** WING, Will; GRAY, Scott; BRUMBACK, Donna; SNYDER, Brent; SMITH, Trevor  
**(74)** Adams Pluck
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- (71)** Hindustan Petroleum Corporation Limited  
**(11)** AU-A-2022316519  
**(21)** 2022316519 **(22)** 26.05.2022  
**(54)** Valuable chemicals production from co-liquefaction of bioliquor and biomass  
**(51)** Int. Cl.  
**B09B 3/80** ( 2022.01 )  
**B09B 3/40** ( 2022.01 )  
**B09B 3/70** ( 2022.01 )  
**C10G 3/00** ( 2006.01 )  
**(31)** 202221017061 **(32)** 25.03.22 **(33)** IN

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 (74) James & Wells Intellectual Property

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(71) HONEYWELL INTERNATIONAL INC.  
 (11) AU-A-2023201130  
 (21) 2023201130 (22) 24.02.2023  
 (54) SYSTEM AND METHOD FOR PROVIDING SECURITY TO LEGACY DEVICES  
 (51) Int. Cl.  
*G06F 21/12* ( 2013.01 )  
*G06F 13/12* ( 2006.01 )  
*G06F 21/60* ( 2013.01 )  
*G06F 21/71* ( 2013.01 )  
 (31) 63/323,356 (32) 24.03.22 (33) US  
 (43) 12.10.2023  
 (72) REYNOLDS, Brian R.  
 (74) FPA Patent Attorneys Pty Ltd

(71) Huawei Digital Power Technologies Co., Ltd.  
 (11) AU-A-2023201822  
 (21) 2023201822 (22) 23.03.2023  
 (54) POWER MECHANISM, SWITCH, POWER CONVERSION APPARATUS, AND POWER SUPPLY SYSTEM  
 (51) Int. Cl.  
*H02H 7/20* ( 2006.01 )  
*H02H 3/00* ( 2006.01 )  
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*H02M 1/36* ( 2007.01 )  
*H02S 50/00* ( 2014.01 )  
 (31) 202210295906.5 (32) 24.03.22 (33) CN  
 (43) 12.10.2023  
 (72) Sun, Jisheng; Ma, Jianfei; Zhang, Xiufeng; Tian, Xiaokang  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Huawei Technologies Co., Ltd.  
 (11) AU-A-2023233136  
 (21) 2023233136 (22) 21.09.2023  
 (54) VIDEO PICTURE PREDICTION METHOD AND APPARATUS  
 (51) Int. Cl.  
*H04N 19/52* ( 2014.01 )  
*H04N 19/105* ( 2014.01 )  
 (43) 12.10.2023  
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 (72) Chen, Huanbang; Yang, Haitao  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Huawei Technologies Co., Ltd.  
 (11) AU-A-2023237082  
 (21) 2023237082 (22) 27.09.2023  
 (54) INDEX SIGNALING FOR REFERENCE PICTURE LIST STRUCTURES  
 (51) Int. Cl.  
*H04N 13/00* ( 2018.01 )  
 (43) 12.10.2023  
 (62) 2019337644  
 (72) Hendry, Fnu; Wang, Ye-Kui  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Hussmann Corporation  
 (11) AU-A-2023237085  
 (21) 2023237085 (22) 27.09.2023  
 (54) Transparent door  
 (51) Int. Cl.  
*E06B 3/04* ( 2006.01 )  
*A47F 3/04* ( 2006.01 )  
*E06B 3/02* ( 2006.01 )  
*E06B 3/08* ( 2006.01 )  
*E06B 3/20* ( 2006.01 )  
*E06B 3/66* ( 2006.01 )  
 (43) 12.10.2023  
 (62) 2021266331  
 (72) LaMONTAGNE, Rick M.; ESTES, Michael S.; PEW, Stephen; SUNKARA, Saicharan  
 (74) Griffith Hack

(71) iCell Gene Therapeutics, LLC  
 (11) AU-A-2023233207  
 (21) 2023233207 (22) 22.09.2023  
 (54) Chimeric antigen receptors (CARs), compositions and methods of use thereof  
 (51) Int. Cl.  
*C07K 14/705* ( 2006.01 )  
*C07K 14/725* ( 2006.01 )  
*C07K 16/28* ( 2006.01 )  
*C07K 19/00* ( 2006.01 )  
*C12N 5/0783* ( 2010.01 )  
 (43) 12.10.2023  
 (62) 2021203481  
 (72) MA, Yupo; PINZ, Kevin; JIANG, Xun; WADA, Masayuki; CHEN, Kevin  
 (74) Spruson & Ferguson

(71) Immatix Biotechnologies GmbH  
 (11) AU-A-2023233214  
 (21) 2023233214 (22) 22.09.2023  
 (54) NOVEL PEPTIDES AND COMBINATION OF PEPTIDES FOR USE IN IMMUNOTHERAPY AGAINST PROSTATE CANCER AND OTHER CANCERS  
 (51) Int. Cl.  
*C07K 14/47* ( 2006.01 )  
*A61K 39/00* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
 (43) 12.10.2023  
 (62) 2023204661  
 (72) Mahr, Andrea; Weinschenk, Toni; Schoor, Oliver; Fritsche, Jens; Singh, Harpreet; Müller, Phillip; Leibold, Julia; Goldfinger, Valentina  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) ImmunoGen, Inc.  
 (11) AU-A-2023233173  
 (21) 2023233173 (22) 22.09.2023  
 (54) Therapeutic combinations comprising anti-FOLR1 immunoconjugates  
 (51) Int. Cl.  
*C07K 16/28* ( 2006.01 )  
*A61K 39/395* ( 2006.01 )  
*C07K 16/30* ( 2006.01 )  
*C07K 16/46* ( 2006.01 )

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 (62) 2016323968  
 (72) PONTE, Jose; PINKAS, Jan; RUIZ-SOTO, Rodrigo R.  
 (74) FB Rice Pty Ltd

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(71) Incyte Corporation  
 (11) AU-A-2023233128  
 (21) 2023233128 (22) 21.09.2023  
 (54) HETEROCYCLIC COMPOUNDS AS IMMUNOMODULATORS  
 (51) Int. Cl.  
*C07D 413/14* ( 2006.01 )  
*A61K 31/423* ( 2006.01 )  
*A61P 37/00* ( 2006.01 )  
 (43) 12.10.2023  
 (62) 2019245288  
 (72) WU, Liangxing; LI, Jingwei; YAO, Wenqing  
 (74) Houlihan Intellectual Property Pty Ltd

(71) InDex Pharmaceuticals AB  
 (11) AU-A-2023237033  
 (21) 2023237033 (22) 25.09.2023  
 (54) Cobitolimod for use in the treatment of inflammatory bowel disease  
 (51) Int. Cl.  
*A61K 31/7105* ( 2006.01 )  
*A61P 1/04* ( 2006.01 )  
*A61P 29/00* ( 2006.01 )  
 (43) 12.10.2023  
 (62) 2018265211  
 (72) ZARGARI, Arezou; ADMYRE, Charlotte; SANDWALL, Pernilla; KNITTEL, Thomas; ZERHOUNI, Peter  
 (74) FB Rice Pty Ltd

(71) INGTEAM POWER TECHNOLOGY, S.A.  
 (11) AU-A-2023201125  
 (21) 2023201125 (22) 24.02.2023  
 (54) METHOD FOR OBTAINING SWITCHING ANGLES FOR A POWER ELECTRONIC CONVERTER, AND ASSOCIATED CONVERSION SYSTEM  
 (51) Int. Cl.  
*H02M 7/539* ( 2006.01 )  
*H02M 1/12* ( 2006.01 )  
 (31) EP22382284.2 (32) 28.03.22 (33) EP  
 (43) 12.10.2023  
 (72) MADARIAGA ZUBIMENDI, Danel  
 (74) Griffith Hack

(71) International AIDS Vaccine Initiative; The Scripps Research Institute; Theraclo Science, Inc.  
 (11) AU-A-2023237056  
 (21) 2023237056 (22) 26.09.2023  
 (54) Human immunodeficiency virus (HIV)-neutralizing antibodies  
 (51) Int. Cl.  
*C07K 16/00* ( 2006.01 )  
*A61K 39/42* ( 2006.01 )  
 (43) 12.10.2023  
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 (72) DOORES, Katherine; CHAN-HUI, Po-ying; HUBER, Michael; KAMIN-

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**(74)** FB Rice Pty Ltd

**(71)** Janssen Pharmaceutica NV  
**(11)** AU-A-2023237026  
**(21)** 2023237026 **(22)** 25.09.2023  
**(54)** Methods and kits for treating depression  
**(51)** Int. Cl.  
**A61K 31/135** ( 2006.01 )  
**A61K 45/06** ( 2006.01 )  
**(43)** 12.10.2023  
**(62)** 2021215155  
**(72)** SINGH, Jaskaran; CAERS, Ivo; DALY, Ella; DREVETS, Wayne C.  
**(74)** Spruson & Ferguson

**(71)** Jinko Solar (Haining) Co., Ltd.  
**(11)** AU-A-2023233149  
**(21)** 2023233149 **(22)** 21.09.2023  
**(54)** PHOTOVOLTAIC CELL, METHOD FOR FORMING SAME, AND PHOTOVOLTAIC MODULE  
**(51)** Int. Cl.  
**H01L 23/544** ( 2006.01 )  
**H01L 31/0236** ( 2006.01 )  
**H01L 31/054** ( 2014.01 )  
**H01L 31/18** ( 2006.01 )  
**(43)** 12.10.2023  
**(62)** 2022206801  
**(72)** Yang, Nannan; Jin, Jingsheng; Zhang, Bike  
**(74)** Madderns Pty Ltd

**(71)** Jinko Solar (Haining) Co., Ltd.  
**(11)** AU-A-2023237037  
**(21)** 2023237037 **(22)** 25.09.2023  
**(54)** PHOTOVOLTAIC MODULE AND METHOD FOR MANUFACTURING PHOTOVOLTAIC MODULE  
**(51)** Int. Cl.  
**H02S 40/36** ( 2014.01 )  
**H01L 31/05** ( 2014.01 )  
**(43)** 12.10.2023  
**(62)** 2022218482  
**(72)** Guo, Zhiqiu; Huang, Shiliang; Guan, Yingli  
**(74)** Madderns Pty Ltd

**Jinko Solar Co., Ltd. see Zhejiang Jinko Solar Co., Ltd.**  
**(21)** 2023233148

**Jinko Solar Co., Ltd. see Zhejiang Jinko Solar Co., Ltd.**  
**(21)** 2023233208

**(71)** Kabushiki Kaisha Toshiba  
**(11)** AU-A-2022221423  
**(21)** 2022221423 **(22)** 23.08.2022  
**(54)** ELECTROLYTIC DEVICE AND METHOD OF DRIVING ELECTROLYTIC DEVICE  
**(51)** Int. Cl.  
**C25B 15/025** ( 2021.01 )  
**C25B 1/135** ( 2021.01 )  
**C25B 1/27** ( 2021.01 )  
**C25B 3/26** ( 2021.01 )  
**C25B 15/08** ( 2006.01 )  
**(31)** 2022-045880 **(32)** 22.03.22 **(33)** JP  
**(43)** 12.10.2023  
**(72)** YAMAGIWA, Masakazu; ONO, Akihiko; KUDO, Yuki; KIYOTA, Yasuhiro; KOFUJI, Yusuke; KITAGAWA, Ryota; MIKOSHIBA, Satoshi  
**(74)** Griffith Hack

**(71)** Kabushiki Kaisha Toshiba  
**(11)** AU-A-2022221428  
**(21)** 2022221428 **(22)** 23.08.2022  
**(54)** CARBON DIOXIDE ELECTROLYTIC DEVICE AND METHOD OF CONTROLLING CARBON DIOXIDE ELECTROLYTIC DEVICE  
**(51)** Int. Cl.  
**C25B 3/26** ( 2021.01 )  
**B01D 61/42** ( 2006.01 )  
**C25B 15/02** ( 2021.01 )  
**C25B 15/023** ( 2021.01 )  
**C25B 15/08** ( 2006.01 )  
**(31)** 2022-040387 **(32)** 15.03.22 **(33)** JP  
**(43)** 12.10.2023  
**(72)** KIYOTA, Yasuhiro; JUNG, Hyangmi; KUDO, Yuki; MIKOSHIBA, Satoshi; KITAGAWA, Ryota  
**(74)** Griffith Hack

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**(21)** 2023201785

**(71)** Kalliontzis, G.; Kalliontzis, J.  
**(11)** AU-A-2023201785  
**(21)** 2023201785 **(22)** 22.03.2023  
**(54)** A Hinge Jig and a Jamb Alignment Tool  
**(51)** Int. Cl.  
**B27F 5/12** ( 2006.01 )  
**B25B 11/02** ( 2006.01 )  
**E05D 11/00** ( 2006.01 )  
**(31)** 2022900714 **(32)** 22.03.22 **(33)** AU  
**(43)** 12.10.2023  
**(72)** Kalliontzis, George; Kalliontzis, Jim  
**(74)** LESICAR MAYNARD ANDREWS PTY LTD

**(71)** Komatsu Ltd.  
**(11)** AU-A-2023201379  
**(21)** 2023201379 **(22)** 06.03.2023  
**(54)** Work machine and display system  
**(51)** Int. Cl.  
**E02F 9/26** ( 2006.01 )  
**B60R 1/23** ( 2022.01 )  
**E02F 5/32** ( 2006.01 )  
**(31)** 2022-049946 **(32)** 25.03.22 **(33)** JP

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**(72)** TSUMURA, Souichi; ANDOU, Tomoki  
**(74)** Spruson & Ferguson

**(71)** Komatsu Ltd.  
**(11)** AU-A-2023233137  
**(21)** 2023233137 **(22)** 21.09.2023  
**(54)** System of controlling unmanned vehicle and method of controlling unmanned vehicle  
**(51)** Int. Cl.  
**G05D 1/02** ( 2020.01 )  
**B60Q 1/34** ( 2006.01 )  
**(43)** 12.10.2023  
**(62)** 20220287517  
**(72)** SHIGA, Tatsuya; YAMASHITA, Kouichi; AWAMORI, Katsuki; TANAKA, Daisuke  
**(74)** Spruson & Ferguson

**(71)** Komatsu Ltd.  
**(11)** AU-A-2023237068  
**(21)** 2023237068 **(22)** 26.09.2023  
**(54)** Management system of work site and management method of work site  
**(51)** Int. Cl.  
**E02F 9/20** ( 2006.01 )  
**G08G 1/00** ( 2006.01 )  
**G08G 1/09** ( 2006.01 )  
**G08G 1/16** ( 2006.01 )  
**(43)** 12.10.2023  
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**(72)** HIRANAKA, Takashi; TOKU, Isao  
**(74)** Spruson & Ferguson

**(71)** Kop-Coat, Inc.  
**(11)** AU-A-2023237075  
**(21)** 2023237075 **(22)** 26.09.2023  
**(54)** METHOD AND RELATED SOLUTION FOR PROTECTING WOOD THROUGH ENHANCED PENETRATION OF WOOD PRESERVATIVES EMPLOYING BUFFERED AMINE OXIDES AND ALKOXYLATED OILS  
**(51)** Int. Cl.  
**A61K 31/335** ( 2006.01 )  
**(43)** 12.10.2023  
**(62)** 2022200223  
**(72)** Clawson Jr., Ronald W.; Cheeks, Charles N.  
**(74)** Pizzeys Patent and Trade Mark Attorneys Pty Ltd

**(71)** Lallitude LLC  
**(11)** AU-A-2023201857  
**(21)** 2023201857 **(22)** 07.03.2023  
**(54)** Toy Construction Kit and Tile  
**(51)** Int. Cl.  
**A63H 33/08** ( 2006.01 )  
**(87)** WO2023/177559  
**(31)** 17/709,412 **(32)** 13.03.22 **(33)** US  
**(43)** 12.10.2023  
**(72)** Wang, Howard  
**(74)** Belyea IP

**(71)** Lumus Ltd.  
**(11)** AU-A-2023229615

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 (54) OPTICAL SYSTEMS INCLUDING LOE WITH THREE STAGE EXPANSION  
 (51) Int. Cl.  
*G02B 27/00* ( 2006.01 )  
*F21V 8/00* ( 2006.01 )  
*G02B 27/01* ( 2006.01 )  
 (43) 12.10.2023  
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 (74) Wallington-Dummer

(71) Maxeon Solar Pte. Ltd.  
 (11) AU-A-2023233224  
 (21) 2023233224 (22) 25.09.2023  
 (54) Electrical pathway intermittent fault detection  
 (51) Int. Cl.  
*H02S 50/00* ( 2014.01 )  
 (43) 12.10.2023  
 (62) 2020404892  
 (72) HAN, Katherine; STEWART, Jack; HAN, Hai-Yue  
 (74) Southern Cross Intellectual Property

(71) Max-Planck-Gesellschaft zur Förderung der Wissenschaften e.V.  
 (11) AU-A-2023237047  
 (21) 2023237047 (22) 26.09.2023  
 (54) Low energy cleavable mass tag for quantitative proteomics  
 (51) Int. Cl.  
*C07C 317/04* ( 2006.01 )  
*G01N 33/68* ( 2006.01 )  
 (43) 12.10.2023  
 (62) 2017359284  
 (72) Meissner, Felix; Mann, Matthias; Meier, Florian; Virreira Winter, Sebastian; Zychlinsky, Arturo  
 (74) Davies Collison Cave Pty Ltd

(71) MEDECO PTY LTD  
 (11) AU-A-2023229594  
 (21) 2023229594 (22) 15.09.2023  
 (54) LARYNGEAL MASK AIRWAY  
 (51) Int. Cl.  
*A61M 16/04* ( 2006.01 )  
*A61M 16/08* ( 2006.01 )  
*A61M 16/01* ( 2006.01 )  
 (43) 12.10.2023  
 (62) PCT/AU2022/050209  
 (72) ANDERSON, Alexandra; ANDERSON, Daniel  
 (74) Michael Buck IP

(71) MedImmune, LLC  
 (11) AU-A-2023208166  
 (21) 2023208166 (22) 27.07.2023  
 (54) BISPECIFIC BINDING PROTEINS AND USES THEREOF  
 (51) Int. Cl.  
*C07K 16/18* ( 2006.01 )  
*A61K 39/395* ( 2006.01 )  
*C07K 16/28* ( 2006.01 )  
*C07K 16/46* ( 2006.01 )

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 (62) 2020204497  
 (72) Kasturirangan, Srinath; Gao, Changshou; Rainey, Godfrey; Morrow, Michelle; Dobson, Claire Louise; Drabic, Stacey; Schofield, Darren; Carlesso, Gianluca; Pollizzi, Kristen; Mazor, Yariv; Oberst, Michael; Hammond, Scott A.; Lobo, Brian; Manikwar, Prakash; Seaman, Jonathan; Dovedi, Simon; Herbst, Ronald  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Medizinische Universität Innsbruck  
 (11) AU-A-2023206089  
 (21) 2023206089 (22) 17.07.2023  
 (54) Improved pharmacokinetics and cholecystokinin-2 receptor (CCK2R) targeting for diagnosis and therapy  
 (51) Int. Cl.  
*C07K 7/06* ( 2006.01 )  
*A61K 38/08* ( 2019.01 )  
 (43) 12.10.2023  
 (62) 2021204691  
 (72) Von Guggenberg Zu Riedhofen, Elisabeth; Klingler, Maximilian  
 (74) FB Rice Pty Ltd

(71) Medline Industries, LP  
 (11) AU-A-2023237074  
 (21) 2023237074 (22) 26.09.2023  
 (54) Sensor for absorbent article  
 (51) Int. Cl.  
*A61F 13/42* ( 2006.01 )  
*A61F 5/48* ( 2006.01 )  
*A61F 13/00* ( 2006.01 )  
*A61F 13/514* ( 2006.01 )  
 (43) 12.10.2023  
 (62) 2018231073  
 (72) Love, Daniel; Noskowitz, David; Anastasov, Vladimir  
 (74) Griffith Hack

(71) MERCK SERONO S.A.  
 (11) AU-A-2023233151  
 (21) 2023233151 (22) 21.09.2023  
 (54) L-VALINATE OF HYDROXYPROPYLTHIAZOLIDINE CARBOXAMIDE DERIVATIVE AND SALT FORM, CRYSTALL POLYMORPH THEREOF  
 (51) Int. Cl.  
*C07D 277/06* ( 2006.01 )  
*A61K 31/426* ( 2006.01 )  
*A61K 45/06* ( 2006.01 )  
*A61P 15/00* ( 2006.01 )  
*A61P 15/06* ( 2006.01 )  
 (43) 12.10.2023  
 (62) 2021218009  
 (72) NAXOS PAGE, Patrick; SCHWARZ, Matthias; JORAND-LEBRUN, Catherine; QUATTROPANI, Anna; POMEL, Vincent  
 (74) Collison & Co

(71) Merit Technologies (Fu Jian) Co., Ltd.  
 (11) AU-A-2023237102  
 (21) 2023237102 (22) 27.09.2023

(54) ZIPPER STRUCTURE FOR SUIT-CASES, AND TROLLEY BAG  
 (51) Int. Cl.  
*A45C 13/10* ( 2006.01 )  
 (43) 12.10.2023  
 (62) 2020404201  
 (72) HOU, Yishun; YU, Qun  
 (74) LAMINAR IP PTY LTD

(71) Mingsight Pharmaceuticals, Inc.  
 (11) AU-A-2023237034  
 (21) 2023237034 (22) 25.09.2023  
 (54) Treatment of cancer  
 (51) Int. Cl.  
*C07D 487/04* ( 2006.01 )  
*A61K 31/52* ( 2006.01 )  
 (43) 12.10.2023  
 (62) 2022201717  
 (72) NIESMAN, Michael; ZHANG, Kai  
 (74) FB Rice Pty Ltd

(71) Mitsubishi Heavy Industries, Ltd.  
 (11) AU-A-2023200809  
 (21) 2023200809 (22) 14.02.2023  
 (54) Hydrogen production system  
 (51) Int. Cl.  
*C01B 3/04* ( 2006.01 )  
*C01B 6/00* ( 2006.01 )  
 (31) 2022-051877 (32) 28.03.22 (33) JP  
 (43) 12.10.2023  
 (72) TANAKA, Atsushi; SEIKI, Yoshio; SETO, Shuntaro; ITO, Hideki; NISHINO, Hidekazu; TOYODA, Ichirou  
 (74) Davies Collison Cave Pty Ltd

(71) M-TECHX. INC.  
 (11) AU-A-2023233190  
 (21) 2023233190 (22) 22.09.2023  
 (54) Nanofiber production device and nanofiber production method  
 (51) Int. Cl.  
*D01D 5/08* ( 2006.01 )  
*D04H 3/16* ( 2006.01 )  
 (43) 12.10.2023  
 (62) 2021206844  
 (72) IKEGAYA, Morihiko; SOTA, Hiroyoshi  
 (74) Griffith Hack

(71) Mustapha, J.A.  
 (11) AU-A-2023237071  
 (21) 2023237071 (22) 26.09.2023  
 (54) Peripheral vascular filtration systems and methods  
 (51) Int. Cl.  
*A61B 17/00* ( 2006.01 )  
*A61B 17/12* ( 2006.01 )  
*A61B 17/22* ( 2006.01 )  
*A61B 17/221* ( 2006.01 )  
*A61F 2/01* ( 2006.01 )  
*A61M 25/00* ( 2006.01 )  
*A61M 29/00* ( 2006.01 )  
 (43) 12.10.2023  
 (62) 2018290235  
 (72) Mustapha, Jihad A.  
 (74) Spruson & Ferguson

Applications Open to Public Inspection - Name Index cont'd

(71) Mutuma, T.M.  
 (11) AU-A-2023201849  
 (21) 2023201849 (22) 24.03.2023  
 (54) Pillow  
 (51) Int. Cl.  
     **A47G 9/10** ( 2006.01 )  
     A47G 9/00 ( 2006.01 )  
 (31) 2022900753 (32) 25.03.22 (33) AU  
 (43) 12.10.2023  
 (72) Mutuma, Taurai; Khoury, Edward  
     Joseph  
 (74) Armour IP

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**Nanyang Technological University see Eta-volt Pte Ltd**  
 (21) 2023201745

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**Nationwide Children's Hospital, Inc. see Ohio State Innovation Foundation**  
 (21) 2023233078

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(71) Neuboron Therapy System Ltd.  
 (11) AU-A-2023237017  
 (21) 2023237017 (22) 25.09.2023  
 (54) RADIATION THERAPY SYSTEM, AND OPERATION PROCEDURE OF POSITIONING DEVICE THEREOF  
 (51) Int. Cl.  
     **A61N 5/10** ( 2006.01 )  
 (43) 12.10.2023  
 (62) 2020374665  
 (72) CHEN, Wei-Lin; GONG, Qiu-Ping  
 (74) Madderns Pty Ltd

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(71) Nevro Corporation  
 (11) AU-A-2023237038  
 (21) 2023237038 (22) 26.09.2023  
 (54) SPINAL CORD MODULATION FOR INDUCING PARESTHETIC AND ANESTHETIC EFFECTS, AND ASSOCIATED SYSTEMS AND METHODS  
 (51) Int. Cl.  
     **A61N 1/36** ( 2006.01 )  
 (43) 12.10.2023  
 (62) 2021203590  
 (72) Alataris, Konstantinos; Walker, Andre B.; Parker, Jon  
 (74) RnB IP Pty Ltd

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(71) Nimbus Lakshmi, Inc.  
 (11) AU-A-2023237060  
 (21) 2023237060 (22) 26.09.2023  
 (54) TYK2 inhibitors and uses thereof  
 (51) Int. Cl.  
     **C07D 487/04** ( 2006.01 )  
     **C07D 519/00** ( 2006.01 )  
     **C07F 5/02** ( 2006.01 )  
 (43) 12.10.2023  
 (62) 2021225251  
 (72) GREENWOOD, Jeremy Robert; HARRIMAN, Geraldine C.; LEIT DE MORADEI, Silvana Marcel; MASSE, Craig E.; MCLEAN, Thomas H.; MONDAL, Sayan  
 (74) Spruson & Ferguson

(71) NOODOE GROUP INC.  
 (11) AU-A-2023201646  
 (21) 2023201646 (22) 16.03.2023  
 (54) ELECTRIC VEHICLE CHARGING STATION MANAGEMENT METHODS AND SYSTEMS FOR ROAMING CHARGING  
 (51) Int. Cl.  
     **B60L 53/66** ( 2019.01 )  
     **B60L 53/65** ( 2019.01 )  
     **G05D 11/10** ( 2006.01 )  
 (31) 111110660 (32) 22.03.22 (33) TW  
 (43) 12.10.2023  
 (72) Liou, Yu-Ting; Hu, Chia-Wei; Chen, Yan-Ming; Hou, Yi-An  
 (74) James & Wells Intellectual Property

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(71) Northwestern University  
 (11) AU-A-2023237099  
 (21) 2023237099 (22) 27.09.2023  
 (54) Trans-interfacial magnetic separation  
 (51) Int. Cl.  
     **B01L 3/00** ( 2006.01 )  
     **G01N 33/48** ( 2006.01 )  
     **G01N 33/50** ( 2006.01 )  
     **G01N 33/53** ( 2006.01 )  
     **G01N 33/543** ( 2006.01 )  
     **G01N 33/549** ( 2006.01 )  
 (43) 12.10.2023  
 (62) 2018281310  
 (72) Kelso, David M.; Agarwal, Abhishek K.; McFall, Sally M.; Westberg, Tom; Butzler, Matthew Austin; Reed, Jennifer L.  
 (74) Davies Collison Cave Pty Ltd

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(71) Ocado Innovation Limited  
 (11) AU-A-2023237046  
 (21) 2023237046 (22) 26.09.2023  
 (54) CONTAINER-MANOEUVRING APPARATUS  
 (51) Int. Cl.  
     **B65G 1/04** ( 2006.01 )  
     **B65G 54/02** ( 2006.01 )  
 (43) 12.10.2023  
 (62) 2019380566  
 (72) CLARK, Sean; ZAMMIT, Joseph; THOMAS, Ben; INGRAM-TEDD, Andrew John; WHELAN, Matthew; SHARP, David; CLARKE, Paul  
 (74) Griffith Hack

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(71) Ohio State Innovation Foundation; Nationwide Children's Hospital, Inc.  
 (11) AU-A-2023233078  
 (21) 2023233078 (22) 19.09.2023  
 (54) Intrathecal Delivery Of Recombinant Adeno-Associated Virus 9  
 (51) Int. Cl.  
     **A61K 48/00** ( 2006.01 )  
     **C12N 15/864** ( 2006.01 )  
 (43) 12.10.2023  
 (62) 2020203844  
 (72) KASPAR, Brian K.; PORENSKY, Paul; BURGHESE, Arthur; FOUST, Kevin  
 (74) WRAYS PTY LTD

(71) Oji Holdings Corporation  
 (11) AU-A-2023233174  
 (21) 2023233174 (22) 22.09.2023  
 (54) PRINTED MATERIAL, METHOD FOR PRODUCING PRINTED MATERIAL AND PRINTING MEDIUM FOR LASER PRINTING  
 (51) Int. Cl.  
     **B32B 27/06** ( 2006.01 )  
     **B31B 50/88** ( 2017.01 )  
     **B31D 1/02** ( 2006.01 )  
     **B32B 7/023** ( 2019.01 )  
     **B32B 27/10** ( 2006.01 )  
     **B32B 27/20** ( 2006.01 )  
     **B41M 5/26** ( 2006.01 )  
     **D21H 17/67** ( 2006.01 )  
     **D21H 19/38** ( 2006.01 )  
     **D21H 27/30** ( 2006.01 )  
     **G09F 3/00** ( 2006.01 )  
     **G09F 3/02** ( 2006.01 )  
 (43) 12.10.2023  
 (62) 2021274324  
 (72) Sato, So; Kawanami, Yusei; Takahashi, Satoshi; Banzashi, Go  
 (74) PHILLIPS ORMONDE FITZPATRICK

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(71) Ophirex, Inc.  
 (11) AU-A-2023233187  
 (21) 2023233187 (22) 22.09.2023  
 (54) Phospholipase A2 inhibitors for immediate treatment of venom toxicity that causes hemolysis, cerebral edema, and acute kidney injury  
 (51) Int. Cl.  
     **A61K 31/404** ( 2006.01 )  
     **A61K 31/16** ( 2006.01 )  
     **A61K 31/19** ( 2006.01 )  
 (43) 12.10.2023  
 (62) 2017257185  
 (72) LEWIN, Matthew R.  
 (74) Spruson & Ferguson

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(71) Parousia Investments Pty Ltd  
 (11) AU-A-2023233152  
 (21) 2023233152 (22) 21.09.2023  
 (54) A METHOD AND SYSTEM FOR ENABLING A PAYMENT  
 (51) Int. Cl.  
     **G06Q 20/32** ( 2012.01 )  
 (43) 12.10.2023  
 (62) 2021206777  
 (72) ARGYROPOULOS, Arthur  
 (74) Griffith Hack

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(71) Peter Butcher  
 (11) AU-A-2022201905  
 (21) 2022201905 (22) 18.03.2022  
 (54) Wave generator  
 (51) Int. Cl.  
     **B63B 34/75** ( 2020.01 )  
     **B63B 34/70** ( 2020.01 )  
     **B63B 1/18** ( 2006.01 )  
 (43) 12.10.2023  
 (72) BUTCHER, Peter  
 (74) Spruson & Ferguson

Applications Open to Public Inspection - Name Index cont'd

- (71) Pfizer Inc.  
 (11) AU-A-2023214269  
 (21) 2023214269 (22) 09.08.2023  
 (54) RSV F protein mutants  
 (51) Int. Cl.  
*C07K 14/005* ( 2006.01 )  
*A61K 39/12* ( 2006.01 )  
*A61K 39/155* ( 2006.01 )
- (43) 12.10.2023  
 (62) 2021202522  
 (72) Che, Ye; Dormitzer, Philip Ralph; Gribenko, Alexey Vyacheslavovich; Handke, Luke David; Prasad, Avvari Krishna; Qiu, Xiayang; Ruppen, Mark Edward; Song, Xi; Swanson, Kena Anne; Kodali, Srinivas; Xu, Xin; Efferen, KariAnn Sweeney; Cai, Ping; Tompkins, Kristin Rachael; Nunez, Lorna Del Pilar  
 (74) ALLENS PATENT & TRADE MARK ATTORNEYS
- 
- (71) Pfizer Inc.; The Regents of the University of California; The Board of Trustees of the Leland Stanford Junior University  
 (11) AU-A-2023219940  
 (21) 2023219940 (22) 24.08.2023  
 (54) Anti-IL-2 antibodies and compositions and uses thereof  
 (51) Int. Cl.  
*C07K 16/24* ( 2006.01 )  
*A61K 39/00* ( 2006.01 )
- (43) 12.10.2023  
 (62) 2016340989  
 (72) RONDON, Isaac J.; CRELLIN, Natasha; BESSETTE, Paul; TROTTA, Eleonora; BLUESTONE, Jeffrey A.; ELY, Lauren K.; GARCIA, Kenan Christopher  
 (74) Spruson & Ferguson
- 
- (71) President and Fellows of Harvard College  
 (11) AU-A-2023237028  
 (21) 2023237028 (22) 25.09.2023  
 (54) SC-beta cells and compositions and methods for generating the same  
 (51) Int. Cl.  
*C12N 5/071* ( 2010.01 )
- (43) 12.10.2023  
 (62) 2020289721  
 (72) PETERSON, Quinn P.; PAGLIUCA, Felicia J.; MELTON, Douglas A.; MILLMAN, Jeffrey R.; SEGEL, Michael Saris; GURTLER, Mads  
 (74) Spruson & Ferguson
- 
- (71) Prysmian S.p.A.  
 (11) AU-A-2023201647  
 (21) 2023201647 (22) 16.03.2023  
 (54) Fiber routing insert and optical junction or distribution box  
 (51) Int. Cl.  
*G02B 6/44* ( 2006.01 )
- (31) 102022000005621 (32) 22.03.22 (33) IT  
 (43) 12.10.2023  
 (72) PADDICK, Nathan; FRAMPTON, Simon James  
 (74) Davies Collison Cave Pty Ltd
- 
- (71) Qualcomm Incorporated  
 (11) AU-A-2023236294  
 (21) 2023236294 (22) 25.09.2023  
 (54) MULTIPLE HISTORY BASED NON-ADJACENT MVPs FOR WAVEFRONT PROCESSING OF VIDEO CODING  
 (51) Int. Cl.  
*H04N 19/436* ( 2014.01 )  
*H04N 19/52* ( 2014.01 )
- (43) 12.10.2023  
 (62) 2019302660  
 (72) PHAM VAN, Luong; CHIEN, Wei-Jung; SEREGIN, Vadim; KARCZEWICZ, Marta; HUANG, Han  
 (74) Madderns Pty Ltd
- 
- (71) RAI Strategic Holdings, Inc.  
 (11) AU-A-2023237058  
 (21) 2023237058 (22) 26.09.2023  
 (54) Near field communication for a tobacco-based article or package therefor  
 (51) Int. Cl.  
*G06Q 10/08* ( 2023.01 )  
*G06Q 30/02* ( 2023.01 )
- (43) 12.10.2023  
 (62) 2017362054  
 (72) SUR, Rajesh; HUNT, Eric T.; SEARS, Stephen B.  
 (74) FB Rice Pty Ltd
- 
- (71) RedFlow R&D Pty Ltd  
 (11) AU-A-2023237048  
 (21) 2023237048 (22) 26.09.2023  
 (54) Flowing electrolyte battery separator  
 (51) Int. Cl.  
*H01M 2/14* ( 2006.01 )  
*H01M 2/18* ( 2006.01 )  
*H01M 8/18* ( 2006.01 )
- (43) 12.10.2023  
 (62) 2021258037  
 (72) WINTER, Alexander Rudolf  
 (74) Spruson & Ferguson
- 
- (71) Regents of the University of Minnesota  
 (11) AU-A-2023233318  
 (21) 2023233318 (22) 25.09.2023  
 (54) THERAPEUTIC COMPOUNDS AND METHODS  
 (51) Int. Cl.  
*C07K 16/28* ( 2006.01 )  
*A61K 35/17* ( 2015.01 )  
*C07K 16/46* ( 2006.01 )  
*C12N 5/00* ( 2006.01 )  
*C12N 5/0783* ( 2010.01 )
- (43) 12.10.2023  
 (62) 2016336451  
 (72) Vallera, Daniel Attilio; Miller, Jeffrey S.  
 (74) Pizzeyes Patent and Trade Mark Attorneys Pty Ltd
- 
- (71) Relay Therapeutics, Inc.; D.E. Shaw Research, LLC  
 (11) AU-A-2023233205  
 (21) 2023233205 (22) 22.09.2023
- 
- (54) SHP2 phosphatase inhibitors and methods of use thereof  
 (51) Int. Cl.  
*C07D 401/14* ( 2006.01 )  
*C07D 221/20* ( 2006.01 )  
*C07D 241/18* ( 2006.01 )  
*C07D 401/04* ( 2006.01 )  
*C07D 401/06* ( 2006.01 )  
*C07D 401/12* ( 2006.01 )  
*C07D 405/14* ( 2006.01 )  
*C07D 417/04* ( 2006.01 )  
*C07D 417/06* ( 2006.01 )  
*C07D 471/04* ( 2006.01 )  
*C07D 487/04* ( 2006.01 )  
*C07D 487/20* ( 2006.01 )  
*C07D 491/10* ( 2006.01 )  
*C07D 491/107* ( 2006.01 )  
*C07D 491/20* ( 2006.01 )
- (43) 12.10.2023  
 (62) 2019240299  
 (72) TAYLOR, Alexander M.; LESCARBEAU, André; KELLEY, Elizabeth H.; SHORTSLEEVES, Kelley C.; WALTERS, W. Patrick; MURCKO, Mark Andrew; MCLEAN, Thomas H.; GUNAYDIN, Hakan; GIORDANETTO, Fabrizio; THERRIEN, Eric  
 (74) Spruson & Ferguson
- 
- (71) Resnent, LLC  
 (11) AU-A-2023237098  
 (21) 2023237098 (22) 27.09.2023  
 (54) Flexible-rigid hybrid endoscope and instrument attachments  
 (51) Int. Cl.  
*A61B 1/00* ( 2006.01 )
- (43) 12.10.2023  
 (62) 2018255426  
 (72) NOYES, Willard S.  
 (74) Spruson & Ferguson
- 
- (71) SAMSUNG ELECTRONICS CO., LTD.  
 (11) AU-A-2023237095  
 (21) 2023237095 (22) 27.09.2023  
 (54) Method and apparatus for synchronization signal design  
 (51) Int. Cl.  
*H04J 11/00* ( 2006.01 )  
*H04J 13/00* ( 2011.01 )
- (43) 12.10.2023  
 (62) 2022203301  
 (72) ONGGOSANUSI, Eko; SI, Hongbo; LIU, Le; NAM, Younghan; GAO, Yuguang  
 (74) Griffith Hack
- 
- (71) Sasano, R.  
 (11) AU-A-2023201818  
 (21) 2023201818 (22) 23.03.2023  
 (54) A gripper device  
 (51) Int. Cl.  
*A63B 21/00* ( 2006.01 )  
*A63B 23/12* ( 2006.01 )
- (31) 63/323,088 (32) 24.03.22 (33) US  
 63/420,106 28.10.22 US  
 (43) 12.10.2023  
 (72) Sasano, Remy  
 (74) Cooper IP Pty Ltd

Applications Open to Public Inspection - Name Index cont'd

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(71) Saudi Arabian Mining Company (Ma'aden)  
 (11) AU-A-2022202093  
 (21) 2022202093 (22) 28.03.2022  
 (54) Integrated process to upgrade low grade calcareous phosphate ore with low CO2 emissions and low Phosphogypsum waste  
 (51) Int. Cl.  
 C01B 25/32 ( 2006.01 )  
 C01B 7/03 ( 2006.01 )  
 C01B 17/50 ( 2006.01 )  
 C01B 17/74 ( 2006.01 )  
 C01B 21/38 ( 2006.01 )  
 C01F 11/18 ( 2006.01 )  
 C05B 3/00 ( 2006.01 )  
 (43) 12.10.2023  
 (72) AQEL, Malik Mohammad Odeh  
 (74) AJ PARK

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(71) Saudi Arabian Mining Company (Ma'aden)  
 (11) AU-A-2022202129  
 (21) 2022202129 (22) 29.03.2022  
 (54) POLLUTED CO2 CAPTURING WITH LIME PRODUCED FROM PHOSPHOGYPSUM CALCINATION USING SULFUR AS NON-CO2 FUEL  
 (51) Int. Cl.  
 C01F 11/18 ( 2006.01 )  
 C01B 25/30 ( 2006.01 )  
 C01F 11/22 ( 2006.01 )  
 (31) EP22164736.5 (32) 28.03.22 (33) EP  
 (43) 12.10.2023  
 (72) AQEL, Malik Mohammad Odeh  
 (74) AJ PARK

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(71) Schneider Electric (Australia) Pty Limited  
 (11) AU-A-2023233227  
 (21) 2023233227 (22) 25.09.2023  
 (54) ELECTRICAL SYSTEM, APPARATUS AND METHOD  
 (51) Int. Cl.  
 H01H 9/02 ( 2006.01 )  
 H01R 13/46 ( 2006.01 )  
 (43) 12.10.2023  
 (62) 2021215135  
 (72) Lifran, Xavier  
 (74) Madderns Pty Ltd

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(71) Schneider Electric Systems USA, Inc.  
 (11) AU-A-2023201103  
 (21) 2023201103 (22) 24.02.2023  
 (54) MULTI-FACTOR AUTHENTICATION OF INDUSTRIAL ASSETS  
 (51) Int. Cl.  
 G06F 21/44 ( 2013.01 )  
 G05B 15/02 ( 2006.01 )  
 G05B 23/02 ( 2006.01 )  
 H04L 9/32 ( 2006.01 )  
 H04W 12/06 ( 2021.01 )  
 (31) 17/705,838 (32) 28.03.22 (33) US  
 (43) 12.10.2023  
 (72) REDMOND, James  
 (74) RnB IP Pty Ltd

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(71) SemiosBio Technologies Inc.  
 (11) AU-A-2022201997  
 (21) 2022201997 (22) 23.03.2022  
 (54) STABILIZED MATING DISRUPTION FORMULATIONS, DEVICES, METHODS, USES, AND SYSTEMS TO DISRUPT MATING AMONGST CAROB MOTHS  
 (51) Int. Cl.  
 A01N 35/02 ( 2006.01 )  
 A01M 1/02 ( 2006.01 )  
 A01M 1/20 ( 2006.01 )  
 A01N 25/06 ( 2006.01 )  
 A01N 25/22 ( 2006.01 )  
 A01M 7/00 ( 2006.01 )  
 A01N 25/02 ( 2006.01 )  
 (43) 12.10.2023  
 (72) Frewin, Andrew Jordan; Hazell, Jordan Richard; Cooke, Laura Maria; Coulson, Michael; Gilbert, Michael; Service, Katrina Margaret  
 (74) mdp Patent and Trade Mark Attorneys

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(71) Shanghai, Tiandi Mining Equipment Technology Co., Ltd; China Coal Technology & Engineering Group Co., Ltd.  
 (11) AU-A-2022279410  
 (21) 2022279410 (22) 06.06.2022  
 (54) Online identification method for the fault of drive shaft fracture in the rocker arm of a drum-type shearer  
 (51) Int. Cl.  
 G01C 21/18 ( 2006.01 )  
 (31) 202210312823.2 (32) 28.03.22 (33) CN  
 (43) 12.10.2023  
 (72) ZHUANG, Deyu; ZHAO, Guorui; LIU, Bo; LIU, Hongrui; LUO, Kun; GUO, Dai  
 (74) Davies Collison Cave Pty Ltd

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(71) Sheltered Wings, Inc. d/b/a Vortex Optics  
 (11) AU-A-2023237045  
 (21) 2023237045 (22) 26.09.2023  
 (54) Rifle scope turret with tool-free zeroing  
 (51) Int. Cl.  
 G02B 7/02 ( 2021.01 )  
 F41G 1/16 ( 2006.01 )  
 F41G 1/28 ( 2006.01 )  
 F41G 1/38 ( 2006.01 )  
 G02B 23/14 ( 2006.01 )  
 G02B 23/16 ( 2006.01 )  
 (43) 12.10.2023  
 (62) 2020205633  
 (72) HAMILTON, David; MORELL, Rob; TOY, Seth; PARKS, Scott  
 (74) Spruson & Ferguson

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(71) Snelgar, C.  
 (11) AU-A-2022202103  
 (21) 2022202103 (22) 28.03.2022  
 (54) Shoe that is two directional  
 (51) Int. Cl.  
 A43B 3/10 ( 2006.01 )  
 A43B 3/00 ( 2022.01 )

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(43) 12.10.2023  
 (72) Snelgar, Cameron  
 (74) Cameron Snelgar

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(71) Sonos, Inc.  
 (11) AU-A-2023237094  
 (21) 2023237094 (22) 27.09.2023  
 (54) Media playback system with voice assistance  
 (51) Int. Cl.  
 H04N 21/422 ( 2011.01 )  
 G06F 3/16 ( 2006.01 )  
 G06F 9/451 ( 2018.01 )  
 G10L 15/00 ( 2013.01 )  
 G10L 15/08 ( 2006.01 )  
 G10L 15/22 ( 2006.01 )  
 G10L 17/22 ( 2013.01 )  
 H04N 21/436 ( 2011.01 )  
 H04N 21/439 ( 2011.01 )  
 (43) 12.10.2023  
 (62) 2018338812  
 (72) WILBERDING, Dayn; TOLOMEI, John  
 (74) Spruson & Ferguson

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(71) Spin Master Ltd.  
 (11) AU-A-2023237014  
 (21) 2023237014 (22) 25.09.2023  
 (54) Assembly with object in housing and mechanism to open housing  
 (51) Int. Cl.  
 A63H 13/02 ( 2006.01 )  
 (43) 12.10.2023  
 (62) 2021201889  
 (72) MCDONALD, David; LAI, Victor; CHARBONNEAU, Anne N.; HASHEMI, Hamid R.  
 (74) FB Rice Pty Ltd

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(71) Sterlite Technologies Limited  
 (11) AU-A-2023201000  
 (21) 2023201000 (22) 21.02.2023  
 (54) OPTICAL FIBERS WITH IMPROVED BEND PERFORMANCE AND MANUFACTURING METHOD THEREOF  
 (51) Int. Cl.  
 G02B 6/036 ( 2006.01 )  
 C03B 37/018 ( 2006.01 )  
 C03B 37/023 ( 2006.01 )  
 (31) 202211018078 (32) 28.03.22 (33) IN  
 (43) 12.10.2023  
 (72) Malviya, Apeksha; Balakrishnan, Janarthanan; Gupta, Priya; Kumar, Shubham; Reddy, Srinivas; Pandey, Anand  
 (74) LAMINAR IP PTY LTD

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(71) Stinger Advanced Manufacturing Corporation  
 (11) AU-A-2023233198  
 (21) 2023233198 (22) 22.09.2023  
 (54) Systems and methods for non-continuous deposition of a component  
 (51) Int. Cl.  
 B22F 3/00 ( 2021.01 )  
 B22F 3/11 ( 2006.01 )  
 B22F 3/24 ( 2006.01 )  
 B22F 5/00 ( 2006.01 )



Applications Open to Public Inspection - Name Index cont'd

(43) 12.10.2023  
 (62) 2020253392  
 (72) STEINBERG, Alexander Gabriel; AL-EXANDRE, Rex Thomas  
 (74) AJ PARK

(71) Strom, M.  
 (11) AU-A-2023201674  
 (21) 2023201674 (22) 17.03.2023  
 (54) MULTI-DISCOUNT PERCENTAGE AWARDS GAMING SYSTEM.  
 (51) Int. Cl.  
 G07F 17/32 ( 2006.01 )  
 (31) 63/322,377 (32) 22.03.22 (33) US  
 (43) 12.10.2023  
 (72) Strom, Mark  
 (74) IP Guardian Pty Ltd

(71) SUMITOMO ELECTRIC INDUSTRIES, LTD.; SUMITOMO ELECTRIC TOYAMA CO., LTD.  
 (11) AU-A-2023204173  
 (21) 2023204173 (22) 20.01.2023  
 (54) Metal Porous Body  
 (51) Int. Cl.  
 C22C 1/08 ( 2006.01 )  
 (31) 2022-048338 (32) 24.03.22 (33) JP  
 (43) 12.10.2023  
 (72) TAKEYAMA, Tomoharu; OKUNO, Kazuki; OGAWA, Mitsuyasu; HOSOE, Akihisa; TSUCHIDA, Hitoshi; MAJIMA, Masatoshi; NISHIMURA, Junichi; FUJIMAKI, Akihiro  
 (74) Spruson & Ferguson

SUMITOMO ELECTRIC TOYAMA CO., LTD.  
 see SUMITOMO ELECTRIC INDUSTRIES, LTD.  
 (21) 2023204173

(71) Sungrow Power Supply Co., Ltd.  
 (11) AU-A-2023201696  
 (21) 2023201696 (22) 20.03.2023  
 (54) Method and device for determining coverage in HIL testing, and storage medium  
 (51) Int. Cl.  
 G06F 11/36 ( 2006.01 )  
 G01R 31/01 ( 2020.01 )  
 G05B 19/04 ( 2006.01 )  
 (31) 202210294110.8 (32) 24.03.22 (33) CN  
 (43) 12.10.2023  
 (72) GONG, Cunhao  
 (74) FB Rice Pty Ltd

(71) Sungrow Renewables Development Co. Ltd.  
 (11) AU-A-2023201025  
 (21) 2023201025 (22) 22.02.2023  
 (54) Slope protection device and slope protection system  
 (51) Int. Cl.  
 E02D 17/20 ( 2006.01 )  
 (31) 202220668323.8 (32) 24.03.22 (33) CN

(43) 12.10.2023  
 (72) WANG, Rongxiang; CHEN, Yanhua; ZHAO, Fuqiang; REN, Qing; XU, Ming  
 (74) Davies Collison Cave Pty Ltd

(71) Super Lock Up Leads  
 (11) AU-A-2022201962  
 (21) 2022201962 (22) 22.03.2022  
 (54) Super Lock Up Lead is a dog and pet lead that allows the animal to be securely locked when the lead is wrapped around a pole or similar. The lead attaches around the neck or body of the dog or pet to provide safety and prevent theft. The lockable parts are a combination of a padlock and eyelet holes within the reinforced lead body to provide the safety and theft prevention solution.  
 (51) Int. Cl.  
 A01K 27/00 ( 2006.01 )  
 (43) 12.10.2023  
 (72) Praetz, Alison  
 (74) Super Lock Up Leads

(71) SUPERSONIC IMAGINE  
 (11) AU-A-2023201684  
 (21) 2023201684 (22) 17.03.2023  
 (54) Method and system for evaluating an assumed wave propagation speed in a medium  
 (51) Int. Cl.  
 G01N 29/07 ( 2006.01 )  
 G01H 5/00 ( 2006.01 )  
 G01S 15/04 ( 2006.01 )  
 G01S 15/06 ( 2006.01 )  
 (31) 22315072.3 (32) 23.03.22 (33) EP  
 (43) 12.10.2023  
 (72) Zhang, Bo  
 (74) Ellis Terry

(71) SUZHOU INNOVATIVE SPORTS GOODS CO., LTD.  
 (11) AU-A-2022408198  
 (21) 2022408198 (22) 29.04.2022  
 (54) REBOUND ASSEMBLY AND CORRESPONDING PORTABLE BASKETBALL GOAL SYSTEM  
 (51) Int. Cl.  
 A63B 19/00 ( 2006.01 )  
 (31) 202210303580.6 (32) 24.03.22 (33) CN  
 (43) 12.10.2023  
 (72) ZHANG, Rongliang  
 (74) Alder IP Pty Ltd

(71) Swan Hill Engineering Pty Ltd  
 (11) AU-A-2022211915  
 (21) 2022211915 (22) 05.08.2022  
 (54) Run-Off Water Removal System  
 (51) Int. Cl.  
 E04D 13/064 ( 2006.01 )  
 E04D 13/072 ( 2006.01 )  
 E04H 5/08 ( 2006.01 )  
 (43) 12.10.2023  
 (72) McCalman, Laurie; Kirk, Aston  
 (74) Sandercock & Cowie

(71) Takeda GmbH  
 (11) AU-A-2023210647  
 (21) 2023210647 (22) 04.08.2023  
 (54) Antibodies Neutralizing GM-CSF For Use In The Treatment Of Rheumatoid Arthritis Or As Analgesics  
 (51) Int. Cl.  
 C07K 16/24 ( 2006.01 )  
 A61K 39/00 ( 2006.01 )  
 (43) 12.10.2023  
 (62) 2020203917  
 (72) WAGNER, Thomas; CARLSSON, Malin; STAUM KALTOFT, Margit  
 (74) WRAYS PTY LTD

(71) Tape-Pro Drywall Tools Pty Limited  
 (11) AU-A-2023201400  
 (21) 2023201400 (22) 07.03.2023  
 (54) AN IMPROVED ROLLER FOR USE IN PLASTERBOARD FINISHING  
 (51) Int. Cl.  
 E04F 21/165 ( 2006.01 )  
 (31) 2022900784 (32) 28.03.22 (33) AU  
 (43) 12.10.2023  
 (72) GILL, Thomas Charles  
 (74) IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD

(71) Tata Consultancy Services Limited  
 (11) AU-A-2023201583  
 (21) 2023201583 (22) 14.03.2023  
 (54) METHOD AND SYSTEM FOR FINDING ONE OR MORE UNIQUE ENTITIES IN DATA  
 (51) Int. Cl.  
 G06F 16/215 ( 2019.01 )  
 G06F 16/22 ( 2019.01 )  
 (31) 202221017195 (32) 25.03.22 (33) IN  
 (43) 12.10.2023  
 (72) Takawane, Adesh Ramdas; Patwardhan, Nikhil Girish; Kandasamy, Kalaiselvan; Roy, Ashim; Kulkarni, Rupali Kedar  
 (74) James & Wells Intellectual Property

(71) Techtronic Cordless GP  
 (11) AU-A-2023201731  
 (21) 2023201731 (22) 20.03.2023  
 (54) Garden tool with toollessly interchangeable wheel  
 (51) Int. Cl.  
 A01D 34/73 ( 2006.01 )  
 A01D 34/00 ( 2006.01 )  
 (31) 63/323,013 (32) 23.03.22 (33) US  
 (43) 12.10.2023  
 (72) CHUNG, Koon For; WANG, Yan Jia  
 (74) Spruson & Ferguson

(71) Tencent America LLC  
 (11) AU-A-2023233211  
 (21) 2023233211 (22) 22.09.2023  
 (54) Method and Aparatus for Signaling Predictor Candidate List Size  
 (51) Int. Cl.  
 H04N 19/103 ( 2014.01 )  
 H04N 19/105 ( 2014.01 )  
 H04N 19/107 ( 2014.01 )

Applications Open to Public Inspection - Name Index cont'd

**H04N 19/109** ( 2014.01 )  
**(43)** 12.10.2023  
**(62)** 2020269390  
**(72)** XU, Xiaozhong; LI, Xiang; LIU, Shan  
**(74)** Golja Haines & Friend

**(71)** Terra Quantum AG  
**(11)** AU-A-2023200761  
**(21)** 2023200761 **(22)** 10.02.2023  
**(54)** A METHOD AND SYSTEM FOR AUTHENTICATING AN OPTICAL FIBER KEY  
**(51)** Int. Cl.  
**G01J 11/00** ( 2006.01 )  
**H04L 9/08** ( 2006.01 )  
**(31)** 22163917.2 **(32)** 23.03.22 **(33)** EP  
**(43)** 12.10.2023  
**(72)** ZHDANOVA, Ekaterina; VYATKIN, Mikhail; YAROVIKOV, Mikhail; SMIRNOV, Alexander; GUTOR, Alexander; LESOVIK, Gordey  
**(74)** Griffith Hack

**The Board of Trustees of the Leland Stanford Junior University see Pfizer Inc.**  
**(21)** 2023219940

**(71)** The Children's Medical Center Corporation; Dana-Farber Cancer Institute, Inc.  
**(11)** AU-A-2023233195  
**(21)** 2023233195 **(22)** 22.09.2023  
**(54)** Calmodulin inhibitors, Chk2 inhibitors and RSK inhibitors for the treatment of ribosomal disorders and ribosomopathies  
**(51)** Int. Cl.  
**A61K 31/4375** ( 2006.01 )  
**A61K 31/145** ( 2006.01 )  
**A61K 31/4418** ( 2006.01 )  
**(43)** 12.10.2023  
**(62)** 2017295262  
**(72)** BRADNER, James; QI, Jun; BUCKLEY, Dennis; ZON, Leonard I.; MACARI, Elizabeth  
**(74)** FB Rice Pty Ltd

**(71)** The Florey Institute of Neuroscience and Mental Health  
**(11)** AU-A-2023233145  
**(21)** 2023233145 **(22)** 21.09.2023  
**(54)** PEPTIDE-BASED DELIVERY OF AGENTS  
**(51)** Int. Cl.  
**A61K 47/64** ( 2017.01 )  
**A61K 9/00** ( 2006.01 )  
**A61K 31/713** ( 2006.01 )  
**A61K 47/54** ( 2017.01 )  
**A61K 48/00** ( 2006.01 )  
**A61K 49/00** ( 2006.01 )  
**A61P 21/00** ( 2006.01 )  
**A61P 25/00** ( 2006.01 )  
**A61P 27/02** ( 2006.01 )  
**C07K 1/107** ( 2006.01 )  
**C07K 14/755** ( 2006.01 )  
**C12N 15/113** ( 2010.01 )

**(43)** 12.10.2023  
**(62)** 2021368859  
**(72)** SHABANPOOR, Fazel; TURNER, Bradley  
**(74)** Davies Collison Cave Pty Ltd

**Theraclone Sciences, Inc. see International AIDS Vaccine Initiative**  
**(21)** 2023237056

**(71)** The Raymond Corporation  
**(11)** AU-A-2023201823  
**(21)** 2023201823 **(22)** 23.03.2023  
**(54)** Systems and Methods for Material Handling Vehicle Safety Reinforcement  
**(51)** Int. Cl.  
**B66F 17/00** ( 2006.01 )  
**B66F 9/075** ( 2006.01 )  
**F16P 3/12** ( 2006.01 )  
**(31)** 63/323,888 **(32)** 25.03.22 **(33)** US  
**(43)** 12.10.2023  
**(72)** PORTER, Randy D.; VANDERPOOL, Joshua D.  
**(74)** GLMR

**The Regents of the University of California see Pfizer Inc.**  
**(21)** 2023219940

**(71)** The Regents of the University of California  
**(11)** AU-A-2023237013  
**(21)** 2023237013 **(22)** 25.09.2023  
**(54)** Nucleic acid synthesis and sequencing using tethered nucleoside triphosphates  
**(51)** Int. Cl.  
**C12Q 1/68** ( 2018.01 )  
**C12P 19/34** ( 2006.01 )  
**(43)** 12.10.2023  
**(62)** 2017280335  
**(72)** Arlow, Daniel; Palluk, Sebastian  
**(74)** FOUNDRY INTELLECTUAL PROPERTY PTY LTD

**The Scripps Research Institute see International AIDS Vaccine Initiative**  
**(21)** 2023237056

**(71)** The Sy-Klone Company, LLC  
**(11)** AU-A-2023237065  
**(21)** 2023237065 **(22)** 26.09.2023  
**(54)** Radial seal filter  
**(51)** Int. Cl.  
**B01D 46/24** ( 2006.01 )  
**B01D 46/52** ( 2006.01 )  
**(43)** 12.10.2023  
**(62)** 2021202580  
**(72)** Ehrenberg, Eric L.; Moredock, James G.  
**(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-A-2023233125  
**(21)** 2023233125 **(22)** 21.09.2023  
**(54)** Anti-KRAS-G12D T cell receptors  
**(51)** Int. Cl.  
**C07K 14/725** ( 2006.01 )  
**C07K 14/82** ( 2006.01 )

**(43)** 12.10.2023  
**(62)** 2017306038  
**(72)** TRAN, Eric; LU, Yong-Chen; PA-SETTO, Anna; ROBBINS, Paul F.; ROSENBERG, Steven A.; ZHENG, Zhili  
**(74)** Spruson & Ferguson

**(71)** Toshiba Lighting & Technology Corporation

**(11)** AU-A-2023200678  
**(21)** 2023200678 **(22)** 08.02.2023  
**(54)** GAS PURIFICATION DEVICE  
**(51)** Int. Cl.

**A61L 9/20** ( 2006.01 )  
**A61L 2/10** ( 2006.01 )  
**F24F 8/167** ( 2021.01 )  
**F24F 8/22** ( 2021.01 )  
**F24F 13/20** ( 2006.01 )  
**H01L 33/00** ( 2010.01 )  
**(31)** 2022-049340 **(32)** 25.03.22 **(33)** JP  
 2022-054937 30.03.22 JP  
**(43)** 12.10.2023

**(72)** TSUZAKI, Osamu; FUJIOKA, Atsushi; NAKANO, Hiroki; KAWAUCHI, Yuga; SHIRAKAWA, Osamu; KIKI, Manabu; SASAKI, Jun; MATSUMOTO, Takuma  
**(74)** Griffith Hack

**(71)** Transportation IP Holdings, LLC

**(11)** AU-A-2023201592  
**(21)** 2023201592 **(22)** 15.03.2023  
**(54)** VEHICLE CONTROL SYSTEM AND METHOD  
**(51)** Int. Cl.

**B60L 5/28** ( 2006.01 )  
**B60L 5/10** ( 2006.01 )  
**B60L 5/24** ( 2006.01 )  
**B60L 5/36** ( 2006.01 )  
**B60L 5/38** ( 2006.01 )  
**B60L 9/00** ( 2019.01 )  
**B60L 50/53** ( 2019.01 )  
**(31)** 63/323,780 **(32)** 25.03.22 **(33)** US  
 18/177,870 03.03.23 US  
**(43)** 12.10.2023

**(72)** Prasad, Rekha Doddarangaiah; Kumar, Ajith Kuttannair; Wolff, Jeffrey John  
**(74)** PHILLIPS ORMONDE FITZPATRICK

**(71)** Transportation IP Holdings, LLC

**(11)** AU-A-2023201747  
**(21)** 2023201747 **(22)** 21.03.2023  
**(54)** FUEL SYSTEM TEST APPARATUS AND METHOD  
**(51)** Int. Cl.

**F02D 41/22** ( 2006.01 )  
**B67D 7/04** ( 2010.01 )  
**(31)** 17/702,919 **(32)** 24.03.22 **(33)** US  
**(43)** 12.10.2023  
**(72)** Wright, David; Baldwin, David  
**(74)** PHILLIPS ORMONDE FITZPATRICK

Applications Open to Public Inspection - Name Index cont'd

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(71) Ubiquitous Energy, Inc.  
 (11) AU-A-2023237023  
 (21) 2023237023 (22) 25.09.2023  
 (54) Method and system for multilayer transparent electrode for transparent photovoltaic devices  
 (51) Int. Cl.  
*H01L 31/0468* (2014.01)  
*H01L 33/42* (2010.01)  
 (43) 12.10.2023  
 (62) 2019338554  
 (72) BARR, Miles C.; PANDEY, Richa; SYKES, Matthew E.; LOVE, John A.; FLORES, Gabriel A.  
 (74) Spruson & Ferguson

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(71) United States of America, as represented by the Secretary, Department of Health and Human Services, C/O National Institute of Health, Office of Technology Transfer  
 (11) AU-A-2023233209  
 (21) 2023233209 (22) 22.09.2023  
 (54) Methods of preparing anti-human papillomavirus antigen T cells  
 (51) Int. Cl.  
*C12N 5/0783* (2010.01)  
*A61K 35/14* (2015.01)  
 (43) 12.10.2023  
 (62) 2020233702  
 (72) HINRICHS, Christian S.; ROSENBERG, Steven A.  
 (74) Spruson & Ferguson

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(71) Vanda Pharmaceuticals Inc.  
 (11) AU-A-2023233141  
 (21) 2023233141 (22) 21.09.2023  
 (54) Method of treatment with tradipitant  
 (51) Int. Cl.  
*A61K 31/4439* (2006.01)  
*A61P 17/04* (2006.01)  
 (43) 12.10.2023  
 (62) 2021202956  
 (72) Polymeropoulos, Mihael H.; Licamele, Louis William  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

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(71) VIDEO GAMING TECHNOLOGIES, INC.  
 (11) AU-A-2023233142  
 (21) 2023233142 (22) 21.09.2023  
 (54) System and method for providing a game with dynamic symbol stacking  
 (51) Int. Cl.  
*G07F 17/32* (2006.01)  
 (43) 12.10.2023  
 (62) 2021202528  
 (72) CUDDY, Ryan; NELSON, Lyndsay  
 (74) Griffith Hack

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(71) Viljevac, M.  
 (11) AU-A-2022202105  
 (21) 2022202105 (22) 28.03.2022

(54) APPARATUS AND METHOD FOR ACCESSING A RACKING SYSTEM  
 (51) Int. Cl.  
*B66F 11/04* (2006.01)  
*B65G 1/02* (2006.01)  
*B66F 7/02* (2006.01)  
*B66F 17/00* (2006.01)  
*A47B 47/00* (2006.01)  
*A47B 47/02* (2006.01)  
*A47B 53/02* (2006.01)  
 (43) 12.10.2023  
 (72) Viljevac, Miroslav  
 (74) WRAYS PTY LTD

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(71) Vorwerk & Co. Interholding GmbH  
 (11) AU-A-2023200812  
 (21) 2023200812 (22) 14.02.2023  
 (54) Food preparation apparatus with protection device against overheating  
 (51) Int. Cl.  
*A47J 36/24* (2006.01)  
*A47J 27/00* (2006.01)  
*A47J 44/00* (2006.01)  
*G01K 7/18* (2006.01)  
*G01K 7/22* (2006.01)  
*G01K 15/00* (2006.01)  
*H05B 1/02* (2006.01)  
 (31) 22163403.3 (32) 22.03.22 (33) EP  
 (43) 12.10.2023  
 (72) Tietz, Sebastian; Feckler, Gereon; Kraut-Reinkober, Stefan; Yan, Wenjie; Lang, Torsten  
 (74) FPA Patent Attorneys Pty Ltd

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(71) Werewolf Therapeutics, Inc.  
 (11) AU-A-2023237030  
 (21) 2023237030 (22) 25.09.2023  
 (54) Activatable interleukin 12 polypeptides and methods of use thereof  
 (51) Int. Cl.  
*C07K 14/55* (2006.01)  
*A61K 38/00* (2006.01)  
*C07K 19/00* (2006.01)  
 (43) 12.10.2023  
 (62) 2019271149  
 (72) WINSTON, William; HICKLIN, Daniel; BHASKAR, Vinay; EVNIN, Luke; BAEUERLE, Patrick; SALMERON GARCIA, Jose Andres; BRODKIN, Heather; WESCHE, Helger; LIN, Shuoyen Jack; SEIDEL-DUGAN, Cynthia  
 (74) Spruson & Ferguson

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(71) WILD FLAVORS, INC.  
 (11) AU-A-2023233188  
 (21) 2023233188 (22) 22.09.2023  
 (54) NATURAL COLORANTS AND PROCESSES OF MAKING THE SAME  
 (51) Int. Cl.  
*C09B 61/00* (2006.01)  
*A23L 5/43* (2016.01)  
*C09B 69/00* (2006.01)  
*D06P 1/34* (2006.01)  
*D06P 1/46* (2006.01)

(43) 12.10.2023  
 (62) 2021225149  
 (72) HORN, Gregory; MURPHY, Lori; WU, Shaowen; HILALY, Ahmad; STIDHAM, Laura  
 (74) AJ PARK

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(71) Willand (Beijing) Technology Co., LTD.  
 (11) AU-A-2023201850  
 (21) 2023201850 (22) 24.03.2023  
 (54) METHOD FOR DETERMINING INFORMATION, REMOTE TERMINAL, AND MOWER  
 (51) Int. Cl.  
*G05D 1/02* (2020.01)  
*G05D 1/00* (2006.01)  
 (31) 202210303714.4 (32) 24.03.22 (33) CN  
 202210689378.1 17.06.22 CN  
 202310193827.8 28.02.23 CN  
 202310179526.X 28.02.23 CN  
 (43) 12.10.2023  
 (72) Chen, Zichong; Lin, Degan; Lv, Zhuo; Wang, You; Hu, Yue; Yu, Tianning; Li, Chunhong; Li, Shuai; Tang, Weijie  
 (74) Madders Pty Ltd

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(71) Wonderland Switzerland AG  
 (11) AU-A-2023233154  
 (21) 2023233154 (22) 21.09.2023  
 (54) Handle adjustment mechanism and child crib therewith  
 (51) Int. Cl.  
*A47D 7/02* (2006.01)  
*A47D 9/00* (2006.01)  
 (43) 12.10.2023  
 (62) 2020382899  
 (72) HU, Jun-jie  
 (74) Griffith Hack

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(71) Worn Again Technologies Limited  
 (11) AU-A-2023233181  
 (21) 2023233181 (22) 22.09.2023  
 (54) RECYCLING PROCESS  
 (51) Int. Cl.  
*C08J 11/08* (2006.01)  
*C08B 1/00* (2006.01)  
*C08J 3/09* (2006.01)  
*C08L 1/02* (2006.01)  
 (43) 12.10.2023  
 (62) 2020265790  
 (72) WALKER, Adam; REID, Joshua E.S.; HAURU, Lauri  
 (74) James & Wells Intellectual Property

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(71) Yuhan Corporation  
 (11) AU-A-2023233096  
 (21) 2023233096 (22) 20.09.2023  
 (54) Anti-TIGIT antibodies and uses thereof  
 (51) Int. Cl.  
*C07K 16/28* (2006.01)  
*A61K 39/00* (2006.01)  
*A61K 47/68* (2017.01)  
 (43) 12.10.2023  
 (62) 2019229076  
 (72) LEE, Kwang-Hoon; LEE, June Hyung; LEE, Na Rae; JEONG, Eunjeong; PARK, Young Bong; CHANG, Nakho;

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

LEE, Eun-Jung; KIM, Ki Hong; CHOI, Sunghyun; CHOI, Byung Hyun; PARK, Ju Young; SONG, Moo Young; LEE, Jong-Seo; KIM, Kyu-Tae; KO, Bong-Kook

(74) FB Rice Pty Ltd

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(71) Zhejiang Jinko Solar Co., Ltd.; Jinko Solar Co., Ltd.

(11) AU-A-2023233148

(21) 2023233148 (22) 21.09.2023

(54) SOLAR CELL AND PRODUCTION METHOD THEREOF, PHOTOVOLTAIC MODULE

(51) Int. Cl.

*H01L 31/0216* ( 2014.01 )

*H01L 31/0224* ( 2006.01 )

*H01L 31/0475* ( 2014.01 )

*H01L 31/18* ( 2006.01 )

(43) 12.10.2023

(62) 2022205182

(72) Zhang, Bike; Jin, Jingsheng; Zhang, Xinyu; Yang, Nannan

(74) Madderns Pty Ltd

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(71) Zhejiang Jinko Solar Co., Ltd.; Jinko Solar Co., Ltd.

(11) AU-A-2023233208

(21) 2023233208 (22) 22.09.2023

(54) SOLAR CELL AND PRODUCTION METHOD THEREOF, PHOTOVOLTAIC MODULE

(51) Int. Cl.

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(72) Shen, Mengchao; Wang, Lipeng; Yang, Zhongxiang; Wang, Zhao; Yang, Jie; Zhang, Xinyu

(74) Madderns Pty Ltd

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<b>C07D 519 /-</b> 2023237060	<b>C12N 15 /-</b> 2023208125 2023233078 2023233129 2023233145 2023237054	<b>E04F 21 /-</b> 2023201400	<b>G01N 1 /-</b> 2022201987	<b>G06F 11 /-</b> 2023201696	<b>G10L 15 /-</b> 2023237094
<b>C07F 5 /-</b> 2023237060	<b>C12N 5 /-</b> 2023233207 2023233209 2023233318 2023237028 2023237078	<b>E04H 5 /-</b> 2022211915	<b>G01N 29 /-</b> 2023201684	<b>G06F 13 /-</b> 2023201130 2023237012	<b>G10L 17 /-</b> 2023237094
<b>C07F 9 /-</b> 2023237067	<b>C12N 9 /-</b> 2023233207 2023233209 2023233318 2023237028 2023237078	<b>E04H 9 /-</b> 2023201784	<b>G01N 33 /-</b> 2023233155 2023237047 2023237099	<b>G06F 16 /-</b> 2023201583 2023233204	
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			<b>G01S 13 /-</b> 2023237081		
			<b>G01S 15 /-</b> 2023201684		



Applications Open to Public Inspection - IPC Index cont'd

<b><u>G16H 10 /-</u></b> 2022388902 2023237012	<b><u>H03B 5 /-</u></b> 2023237050
<b><u>G16H 50 /-</u></b> 2023201841	<b><u>H04J 11 /-</u></b> 2023237095
<b><u>H01F 17 /-</u></b> 2023237050	<b><u>H04J 13 /-</u></b> 2023237095
<b><u>H01H 9 /-</u></b> 2023233227	<b><u>H04L 12 /-</u></b> 2023233204
<b><u>H01L 23 /-</u></b> 2023233149	<b><u>H04L 65 /-</u></b> 2023233204
<b><u>H01L 29 /-</u></b> 2023233208	<b><u>H04L 67 /-</u></b> 2023233204
<b><u>H01L 31 /-</u></b> 2023201745 2023233148 2023233149 2023233208 2023237023 2023237037	<b><u>H04L 9 /-</u></b> 2023200761 2023201103 2023233133
<b><u>H01L 33 /-</u></b> 2023200678 2023237023	<b><u>H04M 3 /-</u></b> 2023233204
<b><u>H01M 10 /-</u></b> 2023201745	<b><u>H04N 13 /-</u></b> 2023237082
<b><u>H01M 2 /-</u></b> 2023237048	<b><u>H04N 19 /-</u></b> 2023233136 2023233211 2023236294
<b><u>H01M 8 /-</u></b> 2023237048	<b><u>H04N 21 /-</u></b> 2023233200 2023237094
<b><u>H01R 13 /-</u></b> 2023233227	<b><u>H04N 7 /-</u></b> 2023233204
<b><u>H02H 3 /-</u></b> 2023201822	<b><u>H04W 12 /-</u></b> 2023201103
<b><u>H02H 7 /-</u></b> 2023201822	<b><u>H04W 4 /-</u></b> 2023237081
<b><u>H02J 3 /-</u></b> 2023237040	<b><u>H05B 1 /-</u></b> 2023200812
<b><u>H02M 1 /-</u></b> 2023201125 2023201822	<b><u>No IPC Mark</u></b>
<b><u>H02M 7 /-</u></b> 2023201125	
<b><u>H02S 40 /-</u></b> 2023237037	
<b><u>H02S 50 /-</u></b> 2023201745 2023201822 2023233224	
<b><u>H03B 1 /-</u></b> 2023237050	
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(This list may contain multiple listings of a patent where there are multiple patentees for that patent.)

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**(11)** AU-A-2023100081

**(21)** 2023100081      **(22)** 11.09.2023

**(54)** MULTI-PURPOSE BRUSH

**(51)** Int. Cl.

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**A47L 13/26** ( 2006.01 )

**(45)** 12.10.2023

**(62)** 2017338792

**(72)** Barsoum, Denise; Shoolman, David  
Keith; Ciampa, Giovanni; Levy, Charles;  
Smith, Robert John

**(74)** Alder IP Pty Ltd

**Numerical Index**

**2023100081** Barsoum, D.

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**A61K 38/16** ( 2006.01 )  
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 (72) BEDI, Vijay; BEDI, Vivek; ROBERTS, Matthew  
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**H04N 7/15** ( 2006.01 )  
**G06F 3/04815** ( 2022.01 )  
**G06T 19/00** ( 2011.01 )  
**H04N 7/14** ( 2006.01 )  
**H04N 13/275** ( 2018.01 )  
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 (72) LAFONTAINE, Marcel; MARCOUX, Jonathan; MARCHAND, Alan  
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**B01D 27/08** ( 2006.01 )  
**B01D 29/96** ( 2006.01 )  
**B01D 35/027** ( 2006.01 )  
**B01D 35/153** ( 2006.01 )  
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**A01P 7/00** ( 2006.01 )  
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**A61P 13/12** ( 2006.01 )  
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 (54) TARGETING CONJUGATES COMPRISING EFFECTOR MOLECULES AND USES THEREOF  
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**A61P 7/00** (2006.01)  
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**A61K 47/68** (2017.01)  
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**G06F 9/445** (2018.01)  
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**G06F 11/34** (2006.01)  
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**A61K 31/445** (2006.01)  
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**A61K 9/06** (2006.01)  
**A61K 31/137** (2006.01)  
**A61K 31/14** (2006.01)  
**A61K 31/167** (2006.01)  
**A61K 47/10** (2017.01)  
**A61K 47/18** (2017.01)  
**A61K 47/20** (2006.01)  
**A61K 47/22** (2006.01)  
**A61K 47/38** (2006.01)  
**A61P 23/02** (2006.01)  
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 (54) FUSION PROTEINS, PHARMACEUTICAL COMPOSITIONS, AND THERAPEUTIC APPLICATIONS  
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**C07K 14/55** (2006.01)
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**C07K 14/54** (2006.01)  
**C07K 16/00** (2006.01)  
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**C07K 5/117** (2006.01)  
**A23L 33/18** (2016.01)  
**A61K 38/00** (2006.01)  
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**A61P 11/00** (2006.01)  
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**G06V 20/62** (2022.01)  
**G06F 1/16** (2006.01)  
**G06F 3/00** (2006.01)  
**G06F 3/03** (2006.01)  
**G06F 3/04842** (2022.01)  
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**G06F 40/166** (2020.01)  
**G06V 30/40** (2022.01)  
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C12H 1/22 ( 2006.01 )  
B08B 7/00 ( 2006.01 )  
B08B 9/08 ( 2006.01 )  
C12H 1/07 ( 2006.01 )  
C12H 1/16 ( 2006.01 )  
C12L 11/00 ( 2006.01 )  
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H02M 3/137 ( 2006.01 )  
B60L 53/22 ( 2019.01 )  
H02M 3/06 ( 2006.01 )  
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A61M 16/06 ( 2006.01 )  
G06T 7/60 ( 2017.01 )  
G16H 20/30 ( 2018.01 )  
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C07K 16/28 ( 2006.01 )  
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H02S 20/32 ( 2014.01 )  
F24S 25/63 ( 2018.01 )  
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**B01J 20/18** ( 2006.01 )  
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**A01N 37/02** ( 2006.01 )  
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(74) mdp Patent and Trade Mark Attorneys
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(51) Int. Cl.  
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**A46D 1/00** ( 2006.01 )  
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**G01F 15/061** ( 2022.01 )  
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**(74)** Griffith Hack

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 OF VOIDED POLYMER PARTICLES  
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**C08K 5/134** ( 2006.01 )  
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 GERSTER, Michèle  
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**(51)** Int. Cl.  
**A23L 33/00** ( 2016.01 )  
**A23L 33/115** ( 2016.01 )  
**A23L 33/125** ( 2016.01 )  
**A23L 33/15** ( 2016.01 )  
**A23L 33/155** ( 2016.01 )

**A23L 33/16** ( 2016.01 )  
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**A61J 1/20** ( 2006.01 )  
**B65D 81/32** ( 2006.01 )  
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 TROUILLY, Jean-Luc  
**(74)** K&L Gates

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**(54)** CONTAINERS WITH SELECTIVE DIS-  
 SOLVED GAS CONTENT  
**(51)** Int. Cl.  
**A61K 9/00** ( 2006.01 )  
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 BOUREZG, Zouaoui  
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**(54)** DUAL PIEZOELECTRIC STACK PLUN-  
 GER SUB-ASSEMBLY  
**(51)** Int. Cl.  
**A61M 5/142** ( 2006.01 )  
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**(72)** PIZZOCHERO, Alessandro E.  
**(74)** FB Rice Pty Ltd

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 PANY  
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**(54)** INSTRUMENT DELIVERY DEVICES,  
 SYSTEMS, AND METHODS  
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**A61M 25/01** ( 2006.01 )  
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**A61M 25/08** ( 2006.01 )  
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 Bart, D.; WILKINSON, Bradley, M.;  
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 Megan  
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**(72)** HABERLAND, Annekathrin; MÜLLER,  
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 Peter  
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 TROLLING A GAS THROUGH-FLOW  
**(51)** Int. Cl.  
**F16K 1/12** ( 2006.01 )  
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**(72)** BINDER, Robert  
**(74)** Davies Collison Cave Pty Ltd

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**(51)** Int. Cl.  
**A01H 3/00** ( 2006.01 )  
**A01N 63/25** ( 2020.01 )  
**C07K 14/32** ( 2006.01 )  
**C12N 1/20** ( 2006.01 )  
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 John Patrick; ZHU, Hong; ALFORD,  
 Betsy; REIMICHE, Courtney Brooke;  
 DUMIGAN, Christopher Robert;  
 CURTIS, Damian  
**(74)** Ribeiro IP Limited

**(71)** BIOGEN MA INC.  
**(11)** AU-A-2022252236  
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 LATERAL SCLEROSIS  
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 (54) NOVEL COMBINATIONS OF ANTIBODIES AND USES THEREOF  
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 A61K 35/00 ( 2006.01 )  
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 (51) Int. Cl.  
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 A61K 31/165 ( 2006.01 )  
 A61K 31/27 ( 2006.01 )  
 A61K 31/395 ( 2006.01 )  
 A61K 38/19 ( 2006.01 )  
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(71) BLASTONE TECHNOLOGY PTY LTD  
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 (74) Michael Buck IP

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 A61B 18/04 ( 2006.01 )  
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 A61F 7/12 ( 2006.01 )  
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**G06F 9/54** ( 2006.01 )  
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**F28C 3/08** ( 2006.01 )  
**F28D 1/03** ( 2006.01 )  
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(54) SYSTEMS AND METHODS FOR TRANSACTION CARD-BASED AUTHENTICATION  
(51) Int. Cl.  
**H04W 12/06** ( 2021.01 )  
**G06F 21/77** ( 2013.01 )  
**G06Q 20/34** ( 2012.01 )  
**G06Q 20/38** ( 2012.01 )  
**H04L 9/32** ( 2006.01 )
- (87) WO2022/203990  
(31) 17/214,073 (32) 26.03.21 (33) US  
(43) 29.09.2022  
(72) OSBORN, Kevin; EDWARDS, Samuel Patrick; NGO, Vincent Vy  
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- (71) CAPITAL ONE SERVICES, LLC  
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(54) A NETWORK-ENABLED SMART APPARATUS AND SYSTEMS AND METHODS FOR ACTIVATING AND PROVISIONING SAME  
(51) Int. Cl.  
**H04W 4/50** ( 2018.01 )  
**H04B 5/00** ( 2006.01 )  
**H04L 12/28** ( 2006.01 )  
**H04W 4/70** ( 2018.01 )  
**H04W 4/80** ( 2018.01 )  
**H04W 84/12** ( 2009.01 )  
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(43) 29.09.2022  
(72) OSBORN, Kevin; RULE, Jeffrey  
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(21) 2022258447 (22) 13.04.2022  
(54) AAV COMPOSITIONS HAVING HIGH EXPRESSION LEVELS IN BRAIN
- (51) Int. Cl.  
**A61K 35/761** ( 2015.01 )  
**C07K 14/075** ( 2006.01 )  
**C12N 15/113** ( 2010.01 )  
**A61K 48/00** ( 2006.01 )  
**C12N 15/00** ( 2006.01 )
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(21) 2022254833 (22) 04.04.2022  
(54) COMBUSTION SYSTEM USING, AS AN OXIDISER, A MIXTURE OF MOLECULAR OXYGEN AND A DEHYDRATED GAS OBTAINED FROM COMBUSTION FUMES  
(51) Int. Cl.  
**F23J 15/00** ( 2006.01 )  
**F23J 15/04** ( 2006.01 )  
**F23J 15/06** ( 2006.01 )  
**F23J 15/08** ( 2006.01 )  
**F23L 7/00** ( 2006.01 )  
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**F23N 5/00** ( 2006.01 )
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(72) ZEMMOURI, Jaouad  
(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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(21) 2022246767 (22) 22.03.2022  
(54) PRESSURE-REGULATING AND ADJUSTING CONNECTOR FOR INFUSION  
(51) Int. Cl.  
**A61M 5/48** ( 2006.01 )  
**A61M 39/10** ( 2006.01 )  
**A61M 39/24** ( 2006.01 )
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(72) JADHAV, Amarsinh Deeliprao; MENON, Muralikrishna; AUSTIN, Abin; MALVIYA, Rahul; NALAWADE, Praveen  
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(54) PROTECTIVE MEMBRANE FOR MEDICAL LUER CONNECTORS  
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(72) UNDERWOOD, Wesley; WINE, Jason Andrew  
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 (21) 2022255667 (22) 15.02.2022  
 (54) NEEDLELESS CONNECTOR DISINFECTATION DEVICES AND METHODS  
 (51) Int. Cl.  
     **A61M 5/00** ( 2006.01 )  
     **A61M 39/16** ( 2006.01 )  
     **A61M 39/18** ( 2006.01 )  
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 (72) MASON, Gene; MANSOUR, George; SARAF, Priya; BATRA, Nimish  
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 (54) NEEDLELESS CONNECTOR HAVING CHECK VALVE WITH ASYMMETRIC VALVE DESIGN AND PRIMARY SEAL SUPPORT  
 (51) Int. Cl.  
     **A61M 39/24** ( 2006.01 )  
     **A61M 39/26** ( 2006.01 )  
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 (31) 17/307,624 (32) 04.05.21 (33) US  
 (43) 10.11.2022  
 (72) ODA, Todd; MANSOUR, George; FRAUSTO, Tomas; SALEH, Ali; RAO, Archana; SHEVGOOR, Siddarth  
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(71) CHEMRING SENSORS & ELECTRONIC SYSTEMS, INC.  
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 (21) 2022252323 (22) 31.03.2022  
 (54) DEVICES AND METHODS FOR NUCLEIC ACID IDENTIFICATION IN SAMPLES  
 (51) Int. Cl.  
     **B01L 3/00** ( 2006.01 )  
     **C12Q 1/6844** ( 2018.01 )  
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     **G01S 13/56** ( 2006.01 )  
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     **G01S 5/02** ( 2010.01 )  
     **G01S 5/16** ( 2006.01 )  
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 (74) Dentons Patent Attorneys Australasia Limited

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 (11) AU-A-2022245724  
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 (54) CONFIGURATION METHOD AND APPARATUS FOR TERMINAL DEVICE, AND COMMUNICATION DEVICE  
 (51) Int. Cl.  
     **H04W 4/40** ( 2018.01 )  
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 (54) PCNA INHIBITORS AND EGFR INHIBITORS FOR CANCER TREATMENT  
 (51) Int. Cl.  
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     **C07D 217/26** ( 2006.01 )  
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 (43) 03.11.2022  
 (72) LINGEMAN, Robert; MALKAS, Linda, H.; HICKEY, Robert, J.  
 (74) RNB IP PTY LTD

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 (11) AU-A-2022229020  
 (21) 2022229020 (22) 02.03.2022  
 (54) LOWER FOLDING DEVICE FOR FORMING DUMPLINGS  
 (51) Int. Cl.  
     **A23P 20/20** ( 2016.01 )  
     **A21C 11/00** ( 2006.01 )  
     **A21C 11/16** ( 2006.01 )  
     **A23P 30/20** ( 2016.01 )  
 (87) WO2022/186602  
 (31) 10-2021-0027478 (32) 02.03.21 (33) KR  
 (43) 09.09.2022  
 (72) JANG, Bong Jin; JUNG, Da Woon; KIM, Se Jin; BAE, Soon Suk; KIM, Sang Cheol; LEE, Yong Gyu  
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 (51) Int. Cl.  
     **A23P 20/20** ( 2016.01 )  
     **A21C 11/00** ( 2006.01 )  
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     **A21C 11/16** ( 2006.01 )  
     **A23P 30/20** ( 2016.01 )  
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 (54) METHOD FOR PRODUCING LOW NICKEL MATTE BY SMELTING, REDUCTION AND SULFIDATION OF NICKEL OXIDE ORE  
 (51) Int. Cl.  
     **C22B 5/10** ( 2006.01 )  
     **C22B 5/08** ( 2006.01 )  
     **C22B 23/02** ( 2006.01 )  
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 (54) METHOD AND KIT FOR IDENTIFYING ANTIMICROBIAL AGENTS AND EFFECTIVE CONCENTRATIONS THEREOF  
 (51) Int. Cl.  
     **G01N 33/569** ( 2006.01 )  
     **C07K 16/08** ( 2006.01 )  
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 (72) COX, Christopher R.; LOGAN, Andrew J.  
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 (54) TWO-LAYER MULTI-STRAND CABLE HAVING IMPROVED SURFACE FRACTURE ENERGY  
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     **B60C 9/00** ( 2006.01 )  
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- (71) COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN  
 (11) AU-A-2022270963  
 (21) 2022270963 (22) 11.04.2022  
 (54) TWO-LAYER MULTI-STRAND CABLE HAVING IMPROVED FRACTURE SURFACE ENERGY  
 (51) Int. Cl.  
*D07B 1/06* ( 2006.01 )  
*B60C 9/00* ( 2006.01 )  
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 (31) 2104820 (32) 07.05.21 (33) FR  
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 (11) AU-A-2022270964  
 (21) 2022270964 (22) 11.04.2022  
 (54) TWO-LAYER MULTI-STRAND CABLE HAVING IMPROVED SURFACE FRACTURE ENERGY  
 (51) Int. Cl.  
*D07B 1/06* ( 2006.01 )  
*B60C 9/00* ( 2006.01 )  
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 (72) CHEVALLEY, Marianna; LAURENT, Stéphane; BARBAT, Romain; GI-ANETTI, Alexandre; RENAUX, Benoît  
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- (71) COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN  
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 (21) 2022288325 (22) 30.05.2022  
 (54) RUBBER COMPOSITION BASED ON HIGHLY SATURATED ELASTOMER AND BUTADIENE-STYRENE COPOLYMER  
 (51) Int. Cl.  
*C08L 9/00* ( 2006.01 )  
*B65G 15/32* ( 2006.01 )  
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 (72) FLEURY, Etienne; HIDROT, Jean-Denis  
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 (21) 2022288590 (22) 30.05.2022  
 (54) CONVEYOR BELT COMPRISING A COMPOSITION BASED ON HIGHLY SATURATED ELASTOMER  
 (51) Int. Cl.  
*C08L 23/08* ( 2006.01 )  
*B65G 15/32* ( 2006.01 )  
*C08L 23/16* ( 2006.01 )  
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 (54) A COMPOSTING TOILET  
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*A47K 11/02* ( 2006.01 )  
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 (72) PETER, Richard Lewis  
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- (71) CONOCOPHILLIPS COMPANY  
 (11) AU-A-2022270686  
 (21) 2022270686 (22) 05.05.2022  
 (54) PROPPANT FROM CAPTURED CARBON  
 (51) Int. Cl.  
*B28B 11/00* ( 2006.01 )  
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*B28B 13/02* ( 2006.01 )  
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 (21) 2022246898 (22) 31.03.2022  
 (54) AUTOMATED MACHINE-ASSISTED DETECTION OF DRY EYE DISEASE CONDITIONS IN HUMAN EYES CAPTURED USING DIGITAL CAMERA SYSTEMS  
 (51) Int. Cl.  
*A61B 3/00* ( 2006.01 )  
*A61B 5/00* ( 2006.01 )  
*G06T 7/70* ( 2017.01 )  
*G16H 30/40* ( 2018.01 )  
*A61F 9/007* ( 2006.01 )  
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 (31) 17/220,535 (32) 01.04.21 (33) US  
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 (54) PROCESS FOR GASIFYING A CARBON-CONTAINING SUBSTANCE BY MOLTEN SALT CATALYSIS, AND ASSOCIATED PLANT  
 (51) Int. Cl.  
*C10B 49/14* ( 2006.01 )
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 C01F 11/24 ( 2006.01 )  
 C10B 7/10 ( 2006.01 )  
 C10B 53/00 ( 2006.01 )  
 C10B 53/07 ( 2006.01 )  
 C10G 9/34 ( 2006.01 )  
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 (72) LEPINAY, Maxime  
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- (71) CUINI, E.  
 (11) AU-A-2022242109  
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 (54) SYSTEM FOR CHOOSING A FOOTWEAR  
 (51) Int. Cl.  
*A43D 1/02* ( 2006.01 )  
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 (72) CUINI, Enrico  
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 (54) HEAT EXCHANGER AND AIR TREATMENT DEVICE  
 (51) Int. Cl.  
*F28F 3/08* ( 2006.01 )  
*F28F 3/00* ( 2006.01 )  
*F28D 9/00* ( 2006.01 )  
 (87) WO2022/186302  
 (31) 202110236018.1 (32) 03.03.21 (33) CN  
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*C12N 15/01* ( 2006.01 )  
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 (72) DANTAS JUNIOR, Luzo  
 (74) LUZO DANTAS JUNIOR
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- (71) DEBUT BIOTECHNOLOGY, INC.  
 (11) AU-A-2022256988  
 (21) 2022256988 (22) 13.04.2022  
 (54) FLAVONOID AND ANTHOCYANIN BIOPRODUCTION USING MICROORGANISM HOSTS  
 (51) Int. Cl.  
*C12N 15/74* ( 2006.01 )  
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 (11) AU-A-2022227205  
 (21) 2022227205 (22) 25.02.2022  
 (54) CUTTING APPARATUS  
 (51) Int. Cl.  
**B23D 57/00** ( 2006.01 )  
 (87) WO2022/180258  
 (31) 2102708.1 (32) 25.02.21 (33) GB  
 (43) 01.09.2022  
 (72) CONWAY, Greg; CONWAY, Sean  
 (74) Summit IP
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- (71) DEEPMIND TECHNOLOGIES LIMITED  
 (11) AU-A-2022281121  
 (21) 2022281121 (22) 27.05.2022  
 (54) GENERATING NEURAL NETWORK OUTPUTS BY CROSS ATTENTION OF QUERY EMBEDDINGS OVER A SET OF LATENT EMBEDDINGS  
 (51) Int. Cl.  
**G06N 3/04** ( 2023.01 )  
**G06N 3/08** ( 2023.01 )  
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 (43) 01.12.2022  
 (72) JAEGLER, Andrew Coulter; ALAYRAC, Jean-Baptiste; BORGEAUD DIT AVOCAT, Sebastian; IONESCU, Catalin-Dumitru; DOERSCH, Carl; DING, Fengning; VINYALS, Oriol; HÉNAFF, Olivier Jean; KOPPULA, Skanda Kumar; ZORAN, Daniel; BROCK, Andrew; SHELHAMER, Evan Gerard; ZISSERMAN, Andrew; CARREIRA, Joao  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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- (71) DENKA COMPANY LIMITED  
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 (21) 2022251654 (22) 29.03.2022  
 (54) INFLUENZA VACCINE  
 (51) Int. Cl.  
**A61K 39/145** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**A61P 31/16** ( 2006.01 )  
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 (31) 2021-057975 (32) 30.03.21 (33) JP  
 (43) 06.10.2022  
 (72) MITSUMATA, Ryotaro; NARAHARA, Tomohiro  
 (74) PHILLIPS ORMONDE FITZPATRICK
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 (11) AU-A-2022332351  
 (21) 2022332351 (22) 07.07.2022  
 (54) WIRELESS DETONATOR ARRANGEMENT  
 (51) Int. Cl.  
**F42D 3/04** ( 2006.01 )  
**F42B 3/10** ( 2006.01 )  
**F42C 15/42** ( 2006.01 )  
**F42D 1/02** ( 2006.01 )
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**F42D 1/055** ( 2006.01 )  
 (87) WO2023/028621  
 (31) 2021/06078 (32) 24.08.21 (33) ZA  
 (43) 02.03.2023  
 (72) LIEBENBERG, Abraham Johannes; MULLER, Elmar Lennox  
 (74) Gestalt Law Pty Ltd
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 (54) SURFACE TREATMENT TOOL  
 (51) Int. Cl.  
**A47L 11/30** ( 2006.01 )  
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 (31) 2104339.3 (32) 26.03.21 (33) GB  
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 (51) Int. Cl.  
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 (74) K&L Gates
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 (51) Int. Cl.  
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- B65D 3/06** ( 2006.01 )  
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 (72) DOMINGOS, Jared  
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 (51) Int. Cl.  
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**A61P 1/00** ( 2006.01 )  
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 (72) KINDERMANN, Maik; LETINOIS, Ulla; MONTEIRO TAMASSIA, Luis; Fernando; STEMMLER, René, Tobias; WALKER, Nicola  
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 (51) Int. Cl.  
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(51) Int. Cl.				
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(21) 2022226605 (22) 22.02.2022	(21) 2021439633 (22) 08.04.2021			(21) 2022229818 (22) 03.03.2022
(54) COMPOSITIONS AND METHODS TO IMPROVE THE THERAPEUTIC BENEFIT OF SUBOPTIMALLY ADMINISTERED COMPOUNDS AND THERAPIES FOR THE TREATMENT OF DISEASES	(54) HOUSEHOLD APPLIANCE AND OPERATING METHOD THEREOF			(54) COCHLEAR IMPLANT SYSTEM WITH IMPROVED INPUT SIGNAL-TO-NOISE RATIO
(51) Int. Cl.	(51) Int. Cl.			(51) Int. Cl.
<b>A61K 31/336</b> ( 2006.01 )	<b>G01R 19/165</b> ( 2006.01 )			<b>A61N 1/36</b> ( 2006.01 )
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(72) BROWN, Dennis				(74) Spruson & Ferguson
(74) Madderns Pty Ltd				
(71) EDWARDS LIFESCIENCES CORPORATION	(71) EMENDO BIO INC.			(71) EQUINOR ENERGY AS
(11) AU-A-2022259589	(11) AU-A-2022232622			(11) AU-A-2022231622
(21) 2022259589 (22) 13.04.2022	(21) 2022232622 (22) 10.03.2022			(21) 2022231622 (22) 24.02.2022
(54) DELIVERY SYSTEMS FOR IMPLANTS	(54) STRATEGIES FOR KNOCK-INS AT C3 SAFE HARBOR SITES			(54) IMPROVED INFLOW CONTROL DEVICE
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	(72) EMMANUEL, Rafi; GOLAN, MASHIACH, Michal; DICKEN, Joseph			(74) FB Rice Pty Ltd
	(74) FB Rice Pty Ltd			
(71) EDWARDS LIFESCIENCES CORPORATION	(71) EMERGING COMPOUNDS TREATMENT TECHNOLOGIES, INC.			(71) ESSITY HYGIENE AND HEALTH AKTIEBOLAG
(11) AU-A-2022261983	(11) AU-A-2022248996			(11) AU-A-2021444041
(21) 2022261983 (22) 21.04.2022	(21) 2022248996 (22) 24.03.2022			
(54) EXPANDABLE PROSTHETIC HEART VALVE WITH FLATTENED APICES	(54) SYSTEM AND METHOD FOR SEPARATING COMPETING ANIONS FROM PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS) IN WATER			
(51) Int. Cl.	(51) Int. Cl.			
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 (54) WALL FRAMING BRACKET AND ASSEMBLY  
 (51) Int. Cl.  
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 (72) WRIGHT, Benjamin Neil  
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 (11) AU-A-2022264780  
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 (54) METHODS FOR MAKING A YOGURT PRODUCT  
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 (54) DEVICE AND METHOD FOR MIXING FLUIDS AND FOR PRODUCING A FLUID MIXTURE  
 (51) Int. Cl.  
*B01F 25/314* ( 2022.01 )  
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 (54) A SYNERGISTIC PLANT GROWTH STIMULANT COMPOSITION COMPRISING POTASSIUM MONO/DIFORMATE AND METAL ION COMPOUNDS TO ENHANCED METABOLIC ACTIVITIES IN PLANTS  
 (51) Int. Cl.  
*A01N 43/00* ( 2006.01 )  
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 (51) Int. Cl.  
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*G06Q 40/02* ( 2023.01 )  
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 (74) FB Rice Pty Ltd

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**C12N 15/113** ( 2010.01 )  
**A61K 31/713** ( 2006.01 )  
**A61P 1/16** ( 2006.01 )  
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 (72) BRUNETTI PIERRI, Nicola; PICCOLO, Pasquale; FERRIERO, Rosa  
 (74) FB Rice Pty Ltd

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 (54) INHIBITING UBIQUITIN-SPECIFIC PROTEASE 1 (USP1)  
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**A61K 31/519** ( 2006.01 )  
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 (72) BERRY, Loren; BUCKMELTER, Alexandre Joseph  
 (74) Davies Collison Cave Pty Ltd

(71) FRANK, K.  
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**E03C 1/20** ( 2006.01 )  
**E03F 3/04** ( 2006.01 )  
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 (72) FRANK, Keith  
 (74) Westmark IP

(71) FRANTS, D.  
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 (54) SECONDHAND SMOKE FILTER DEVICE  
 (51) Int. Cl.  
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**A24F 13/00** ( 2006.01 )  
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 (72) FRANTS, Daniil  
 (74) RnB IP Pty Ltd

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 (11) AU-A-2022245306  
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 (54) METHODS AND SYSTEMS FOR DETECTING CANCER VIA NUCLEIC ACID METHYLATION ANALYSIS  
 (51) Int. Cl.  
**C12Q 1/68** ( 2018.01 )  
**C12Q 1/6876** ( 2018.01 )  
**G16B 5/20** ( 2019.01 )  
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 (72) MAHAJAN, Shivani; GOULD, Billie; ULZ, Peter  
 (74) FB Rice Pty Ltd

(71) FRESENIUS MEDICAL CARE DEUTSCHLAND GMBH  
 (11) AU-A-2022260476  
 (21) 2022260476 (22) 21.04.2022  
 (54) METHOD FOR CONTROLLING A BLOOD TREATMENT DEVICE, AND DEVICES  
 (51) Int. Cl.  
**A61M 1/16** ( 2006.01 )  
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 (72) KOPPERSCHMIDT, Pascal  
 (74) Davies Collison Cave Pty Ltd

(71) FRIO UK LIMITED  
 (11) AU-A-2022242848  
 (21) 2022242848 (22) 20.01.2022  
 (54) A PORTABLE COOLING UNIT AND A PORTABLE STORAGE UNIT  
 (51) Int. Cl.  
**F25D 7/00** ( 2006.01 )  
 (87) WO2022/200754  
 (31) 2104346.8 (32) 26.03.21 (33) GB  
 (43) 29.09.2022  
 (72) WOLSEY, Christopher  
 (74) Michael Buck IP

(71) FUJI OIL HOLDINGS INC.  
 (11) AU-A-2022244773  
 (21) 2022244773 (22) 23.03.2022  
 (54) METHOD FOR PRODUCING TEXTURED PROTEIN MATERIAL, AND TEXTURED PROTEIN MATERIAL  
 (51) Int. Cl.  
**A23J 3/26** ( 2006.01 )  
**A23L 11/00** ( 2021.01 )  
**A23L 13/00** ( 2016.01 )  
 (87) WO2022/202884  
 (31) 2021-051020 (32) 25.03.21 (33) JP  
 (43) 29.09.2022  
 (72) HASHIMOTO, Shuzo  
 (74) Davies Collison Cave Pty Ltd

(71) FUJITSU GENERAL LIMITED  
 (11) AU-A-2022244707

(21) 2022244707 (22) 16.03.2022  
 (54) AIR CONDITIONER  
 (51) Int. Cl.  
**F25B 49/02** ( 2006.01 )  
**F24F 11/36** ( 2018.01 )  
**F25B 1/00** ( 2006.01 )  
 (87) WO2022/202571  
 (31) 2021-053853 (32) 26.03.21 (33) JP  
 (43) 29.09.2022  
 (72) KONDO Masahiro  
 (74) Spruson & Ferguson

(71) FUJITSU GENERAL LIMITED  
 (11) AU-A-2022249485  
 (21) 2022249485 (22) 16.03.2022  
 (54) HEAT EXCHANGER, AND OUTDOOR UNIT COMPRISING SAID HEAT EXCHANGER  
 (51) Int. Cl.  
**F24F 1/18** ( 2011.01 )  
**F24F 1/50** ( 2011.01 )  
 (87) WO2022/209919  
 (31) 2021-056043 (32) 29.03.21 (33) JP  
 (43) 06.10.2022  
 (72) MAEMA Yoshinari; SHIMANO Daiki  
 (74) Spruson & Ferguson

(71) GALVANIZE THERAPEUTICS, INC.  
 (11) AU-A-2022246157  
 (21) 2022246157 (22) 25.03.2022  
 (54) MULTI-ELECTRODE SYSTEM AND METHOD FOR DEDUCING TREATMENT EFFECT OUTCOMES  
 (51) Int. Cl.  
**A61B 18/14** ( 2006.01 )  
 (87) WO2022/204479  
 (31) 63/166,145 (32) 25.03.21 (33) US  
 (43) 29.09.2022  
 (72) CASTELLVI, Quim; NEAL II, Robert E.  
 (74) Pizzey's Patent and Trade Mark Attorneys Pty Ltd

(71) GELITA AG  
 (11) AU-A-2022241942  
 (21) 2022241942 (22) 23.03.2022  
 (54) RECOMBINANT TYPE II COLLAGEN FOR THERAPEUTIC USE  
 (51) Int. Cl.  
**A61P 19/02** ( 2006.01 )  
**A61K 38/39** ( 2006.01 )  
 (87) WO2022/200422  
 (31) 10 2021 202 830.6 (32) 23.03.21 (33) DE  
 (43) 29.09.2022  
 (72) HAUSMANN, Stephan; FRECH, Hans-Ulrich; OESSER, Steffen; HAHN, Martin  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) GENENTECH, INC.  
 (11) AU-A-2022254674  
 (21) 2022254674 (22) 06.04.2022  
 (54) OXAZEPINE COMPOUNDS AND USES THEREOF IN THE TREATMENT OF CANCER  
 (51) Int. Cl.  
**C07D 498/06** ( 2006.01 )  
**A61K 31/553** ( 2006.01 )

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

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**C07D 519/00** ( 2006.01 )  
**(87)** WO2022/216762  
**(31)** PCT/ (32) 08.04.21 (33) CN  
 CN2021/085959  
**(43)** 13.10.2022  
**(72)** GAZZARD, Lewis J.; GREEN, Samantha Alyson; KELLEY, Elizabeth H.; LANDRY, Matthew Leo; MALHOTRA, Sushant; RAVETZ, Benjamin David; SIU, Michael; TERRETT, Jack Alexander; WEI, BinQing; DO, Steven; CHENG, Yun-Xing; CHENG, Limin; XIN, Jianfeng; HE, Mingtao; WU, Guosheng; SUN, Yinlei; SHAO, Cheng; LU, Aijun; ZHANG, Yulai  
**(74)** Griffith Hack
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- (71)** GENEQUANTUM HEALTHCARE (SUZHOU) CO., LTD.  
**(11)** AU-A-2022232548  
**(21)** 2022232548 (22) 07.03.2022  
**(54)** ANTIBODY-IMMUNE AGONIST CONJUGATE AND APPLICATIONS THEREOF  
**(51)** Int. Cl.  
**A61K 47/65** ( 2017.01 )  
**A61P 35/00** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )  
**(87)** WO2022/188740  
**(31)** PCT/ (32) 08.03.21 (33) CN  
 CN2021/079609  
**(43)** 15.09.2022  
**(72)** SONG, Paul H.; QIN, Gang; LIU, Chong  
**(74)** ALLENS PATENT & TRADE MARK ATTORNEYS
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- (71)** GENEQUANTUM HEALTHCARE (SUZHOU) CO., LTD.; BRIGHTGENE BIOMEDICAL TECHNOLOGY CO., LTD.  
**(11)** AU-A-2022232674  
**(21)** 2022232674 (22) 07.03.2022  
**(54)** ANTI-HER2 ANTIBODY-IMMUNE AGONIST CONJUGATE AND APPLICATIONS THEREOF  
**(51)** Int. Cl.  
**A61K 47/68** ( 2017.01 )  
**A61P 35/00** ( 2006.01 )  
**C07D 471/04** ( 2006.01 )  
**(87)** WO2022/188743  
**(31)** PCT/ (32) 08.03.21 (33) CN  
 CN2021/079611  
**(43)** 15.09.2022  
**(72)** SONG, Paul H.; QIN, Gang; YUAN, Jiandong; LIU, Chong  
**(74)** ALLENS PATENT & TRADE MARK ATTORNEYS
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- (71)** GENERAL MILLS, INC.  
**(11)** AU-A-2021433069  
**(21)** 2021433069 (22) 12.03.2021  
**(54)** STABILIZED FROZEN DAIRY PRODUCTS AND MIXES COMPRISING DENATURIZED WHEY PROTEIN  
**(51)** Int. Cl.  
**A23C 9/123** ( 2006.01 )  
**A23C 9/13** ( 2006.01 )  
**A23G 9/40** ( 2006.01 )  
**(87)** WO2022/189820
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- (43)** 15.09.2022  
**(72)** MIMOUNI, Arnaud; AUBERT, Sophie; MAYEUX, Lucile  
**(74)** FB Rice Pty Ltd
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- (71)** GENFIT  
**(11)** AU-A-2022261427  
**(21)** 2022261427 (22) 22.04.2022  
**(54)** QUANTITATIVE DETECTION OF MICRORNAS  
**(51)** Int. Cl.  
**C12Q 1/6876** ( 2018.01 )  
**(87)** WO2022/223781  
**(31)** 17/237,789 (32) 22.04.21 (33) US  
**(43)** 27.10.2022  
**(72)** MAJD, Zouher; BUTTOLO, Romain  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** GI BIOME  
**(11)** AU-A-2022243439  
**(21)** 2022243439 (22) 21.03.2022  
**(54)** LACTOBACILLUS PLANTARUM GB104 STRAIN AND COMPOSITION COMPRISING SAME FOR PREVENTION OR TREATMENT OF CANCER  
**(51)** Int. Cl.  
**A61K 35/747** ( 2015.01 )  
**A23K 10/16** ( 2016.01 )  
**A23K 10/30** ( 2016.01 )  
**A23L 33/105** ( 2016.01 )  
**A23L 33/135** ( 2016.01 )  
**A61K 36/062** ( 2006.01 )  
**A61K 36/07** ( 2006.01 )  
**A61K 36/346** ( 2006.01 )  
**A61K 36/8945** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**(87)** WO2022/203303  
**(31)** 10-2021-0036881 (32) 22.03.21 (33) KR  
**(43)** 29.09.2022  
**(72)** JANG, Myung Ho; YANG, Bo-Gie; KIM, A-Ram  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** GILEAD SCIENCES, INC.  
**(11)** AU-A-2022256476  
**(21)** 2022256476 (22) 14.04.2022  
**(54)** METHODS OF PREPARING CARBANUCLEOSIDES USING AMIDES  
**(51)** Int. Cl.  
**C07D 487/04** ( 2006.01 )  
**C07C 235/04** ( 2006.01 )  
**(87)** WO2022/221514  
**(31)** 63/175,724 (32) 16.04.21 (33) US  
**(43)** 20.10.2022  
**(72)** JOHNSON, Trevor C.; KRAFT, Matthew; YOUNG, Marshall D.  
**(74)** FPA Patent Attorneys Pty Ltd
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- (71)** GLO PHARMA, INC.  
**(11)** AU-A-2022245251  
**(21)** 2022245251 (22) 23.03.2022  
**(54)** MULTISOME LIPID VESICLES FOR DELIVERY OF COSMETIC AGENTS  
**(51)** Int. Cl.  
**C07K 7/08** ( 2006.01 )  
**A61K 8/14** ( 2006.01 )  
**A61K 9/107** ( 2006.01 )
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- A61K 9/127** ( 2006.01 )  
**A61P 17/00** ( 2006.01 )  
**A61Q 19/08** ( 2006.01 )  
**(87)** WO2022/204308  
**(31)** 63/165,603 (32) 24.03.21 (33) US  
 63/271,645 25.10.21 US  
 63/285,860 03.12.21 US  
**(43)** 29.09.2022  
**(72)** FOLDVARI, Marianna; LOVE, Robert A.  
**(74)** FB Rice Pty Ltd
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- (71)** GÖTZE, J.  
**(11)** AU-A-2021437857  
**(21)** 2021437857 (22) 28.03.2021  
**(54)** DEVICE FOR HOLDING UP UTENSILS FOR DAILY USE  
**(51)** Int. Cl.  
**A47L 9/00** ( 2006.01 )  
**A47B 81/02** ( 2006.01 )  
**(87)** WO2022/207025  
**(43)** 06.10.2022  
**(72)** GÖTZE, Joan  
**(74)** Jogias Patent and Trade Mark Attorneys
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- (71)** GRAY CONSULTING, INC.  
**(11)** AU-A-2022388902  
**(21)** 2022388902 (22) 31.10.2022  
**(54)** A PRIVACY ENABLED SYSTEM AND METHOD FOR MANAGING LOGISTICS FOR CLINICAL STUDY PARTICIPANTS  
**(51)** Int. Cl.  
**G16H 10/20** ( 2018.01 )  
**G06Q 50/00** ( 2012.01 )  
**(31)** PCT/ (32) 22.03.22 (33) US  
 US2022/021443  
**(43)** 12.10.2023  
**(72)** WING, Will; GRAY, Scott; BRUMBACK, Donna; SNYDER, Brent; SMITH, Trevor  
**(74)** Adams Pluck
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- (71)** GUO, Q.  
**(11)** AU-A-2022362476  
**(21)** 2022362476 (22) 12.10.2022  
**(54)** CLASS-A AMPLIFICATION APPARATUS  
**(51)** Int. Cl.  
**G03F 1/30** ( 2012.01 )  
**(87)** WO2023/061387  
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**(43)** 20.04.2023  
**(72)** GUO, Qiaoshi; LAU, Kin Tak; LI, Yongdong  
**(74)** Bella ZHANG
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- (71)** HALIA THERAPEUTICS, INC.  
**(11)** AU-A-2022246081  
**(21)** 2022246081 (22) 23.03.2022  
**(54)** PYRIMIDINE DERIVATIVES USEFUL AS LRRK2 KINASE INHIBITORS  
**(51)** Int. Cl.  
**C07D 239/47** ( 2006.01 )

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

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**A61P 25/28** ( 2006.01 )  
**C07D 239/52** ( 2006.01 )  
**C07D 401/12** ( 2006.01 )  
**C07D 401/14** ( 2006.01 )  
**C07D 403/12** ( 2006.01 )  
**C07D 403/14** ( 2006.01 )  
**C07D 405/14** ( 2006.01 )  
**C07D 413/14** ( 2006.01 )  
**C07D 451/02** ( 2006.01 )  
**(87)** WO2022/204299  
**(31)** 63/164,804 **(32)** 23.03.21 **(33)** US  
**(43)** 29.09.2022  
**(72)** BEARSS, David J.; KAUWE, John Sai Keong III; MOLLARD, Alexis Henri Abel  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** HALLIBURTON ENERGY SERVICES, INC.  
**(11)** AU-A-2021448675  
**(21)** 2021448675 **(22)** 29.05.2021  
**(54)** USING EXPANDABLE METAL AS AN ALTERNATE TO EXISTING METAL TO METAL SEALS  
**(51)** Int. Cl.  
**E21B 33/127** ( 2006.01 )  
**E21B 33/12** ( 2006.01 )  
**F16J 15/3232** ( 2016.01 )  
**(87)** WO2022/255986  
**(31)** 17/334,731 **(32)** 29.05.21 **(33)** US  
**(43)** 08.12.2022  
**(72)** MURPHY, Robert Travis; APICHARTTHABRUT, Terapat; FRIPP, Michael Linley  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** HALLIBURTON ENERGY SERVICES, INC.  
**(11)** AU-A-2021452757  
**(21)** 2021452757 **(22)** 21.06.2021  
**(54)** ADDITIVE MANUFACTURED FLOATS FOR USE IN A DOWNHOLE ENVIRONMENT  
**(51)** Int. Cl.  
**E21B 43/12** ( 2006.01 )  
**E21B 34/08** ( 2006.01 )  
**E21B 43/08** ( 2006.01 )  
**(87)** WO2022/271149  
**(31)** 17/353,125 **(32)** 21.06.21 **(33)** US  
**(43)** 29.12.2022  
**(72)** MCCHESENEY, Ryan W.; GRECI, Stephen Michael; FRIPP, Michael Linley  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** HALLIBURTON ENERGY SERVICES, INC.  
**(11)** AU-A-2022287907  
**(21)** 2022287907 **(22)** 07.06.2022  
**(54)** WHIPSTOCK WITH ONE OR MORE HIGH-EXPANSION MEMBERS FOR PASSING THROUGH SMALL RESTRICTIONS  
**(51)** Int. Cl.  
**E21B 29/06** ( 2006.01 )  
**E21B 7/06** ( 2006.01 )  
**E21B 33/124** ( 2006.01 )  
**E21B 43/26** ( 2006.01 )  
**(87)** WO2022/261088  
**(31)** 63/197,945 **(32)** 07.06.21 **(33)** US
- 63/197,924 07.06.21 US  
63/197,886 07.06.21 US  
17/833,672 06.06.22 US  
**(43)** 15.12.2022  
**(72)** STEELE, David Joe  
**(74)** Spruson & Ferguson
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- (71)** HALLIBURTON ENERGY SERVICES, INC.  
**(11)** AU-A-2022288615  
**(21)** 2022288615 **(22)** 07.06.2022  
**(54)** 10,000-PSI MULTILATERAL FRACKING SYSTEM WITH LARGE INTERNAL DIAMETERS FOR UNCONVENTIONAL MARKET  
**(51)** Int. Cl.  
**E21B 29/06** ( 2006.01 )  
**E21B 7/06** ( 2006.01 )  
**E21B 43/267** ( 2006.01 )  
**(87)** WO2022/261056  
**(31)** 63/197,886 **(32)** 07.06.21 **(33)** US  
63/197,945 07.06.21 US  
63/197,924 07.06.21 US  
17/833,617 06.06.22 US  
**(43)** 15.12.2022  
**(72)** STEELE, David Joe; KELSEY, Matthew James  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** HALLIBURTON ENERGY SERVICES, INC.  
**(11)** AU-A-2022291366  
**(21)** 2022291366 **(22)** 07.06.2022  
**(54)** ISOLATION SLEEVE WITH HIGH-EXPANSION SEALS FOR PASSING THROUGH SMALL RESTRICTIONS  
**(51)** Int. Cl.  
**E21B 29/06** ( 2006.01 )  
**E21B 33/124** ( 2006.01 )  
**E21B 43/267** ( 2006.01 )  
**(87)** WO2022/261076  
**(31)** 63/197,945 **(32)** 07.06.21 **(33)** US  
63/197,924 07.06.21 US  
63/197,886 07.06.21 US  
17/833,656 06.06.22 US  
**(43)** 15.12.2022  
**(72)** STEELE, David Joe  
**(74)** Spruson & Ferguson
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- (71)** HALLIBURTON ENERGY SERVICES, INC.  
**(11)** AU-A-2022291838  
**(21)** 2022291838 **(22)** 16.06.2022  
**(54)** MATERIAL TEST SUB INCLUDING ONE OR MORE RETAINER ASSEMBLIES FOR DOWNHOLE ENVIRONMENTAL EXPOSURE  
**(51)** Int. Cl.  
**E21B 49/08** ( 2006.01 )  
**G01N 1/02** ( 2006.01 )  
**(87)** WO2022/266282  
**(31)** 63/211,973 **(32)** 17.06.21 **(33)** US  
17/841,111 15.06.22 US  
**(43)** 22.12.2022  
**(72)** MURRAY, Fraser; YU, Shanshan; VU, Thanh Nam  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** HALLIBURTON ENERGY SERVICES, INC.  
**(11)** AU-A-2022293488  
**(21)** 2022293488 **(22)** 16.06.2022  
**(54)** MATERIAL TEST SUB INCLUDING ONE OR MORE GROOVES OR POCKETS FOR DOWNHOLE ENVIRONMENTAL EXPOSURE  
**(51)** Int. Cl.  
**E21B 49/08** ( 2006.01 )  
**G01N 1/02** ( 2006.01 )  
**(87)** WO2022/266294  
**(31)** 63/211,973 **(32)** 17.06.21 **(33)** US  
17/841,363 15.06.22 US  
**(43)** 22.12.2022  
**(72)** MURRAY, Fraser; YU, Shanshan; VU, Thanh Nam  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** HANGZHOU APELOA MEDICINE RESEARCH INSTITUTE CO., LTD.; APELOA PHARMACEUTICAL CO., LTD.  
**(11)** AU-A-2021436754  
**(21)** 2021436754 **(22)** 10.11.2021  
**(54)** BICYCLIC HETEROCYCLIC FGFR4 INHIBITOR, PHARMACEUTICAL COMPOSITION AND PREPARATION COMPRISING SAME, AND APPLICATION THEREOF  
**(51)** Int. Cl.  
**C07D 401/14** ( 2006.01 )  
**A61K 31/519** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**A61P 35/02** ( 2006.01 )  
**C07D 471/04** ( 2006.01 )  
**(87)** WO2022/199045  
**(31)** 202110326618.7 **(32)** 26.03.21 **(33)** CN  
**(43)** 29.09.2022  
**(72)** ZHAN, Weiqiang; WANG, Zhanguo; CHEN, Weiliang; JIN, Yaofeng; LV, Jianhua; LIANG, Sai; GUO, Xuejie; ZHU, Fangmeng  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** HAULOTTE GROUP  
**(11)** AU-A-2022253350  
**(21)** 2022253350 **(22)** 08.04.2022  
**(54)** AERIAL WORK PLATFORM, AND METHOD FOR CONTROLLING AN AERIAL WORK PLATFORM  
**(51)** Int. Cl.  
**B66F 11/04** ( 2006.01 )  
**F04B 17/03** ( 2006.01 )  
**F04B 49/06** ( 2006.01 )  
**F04B 49/20** ( 2006.01 )  
**F04C 2/08** ( 2006.01 )  
**F15B 11/04** ( 2006.01 )  
**F15B 11/16** ( 2006.01 )  
**(87)** WO2022/214638  
**(31)** FR2103671 **(32)** 09.04.21 **(33)** FR  
**(43)** 13.10.2022  
**(72)** DESSEUX, Didier  
**(74)** Michael Buck IP
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- (71)** HELIX NANOTECHNOLOGIES, INC.  
**(11)** AU-A-2022228575  
**(21)** 2022228575 **(22)** 03.03.2022

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

<p>(54) COMPOSITIONS INCLUDING SBI ADJUVANTS AND METHODS OF USE THEREOF</p> <p>(51) Int. Cl.  <b>A61K 39/12</b> ( 2006.01 )  <b>A61K 39/385</b> ( 2006.01 )  <b>A61P 31/14</b> ( 2006.01 )</p> <p>(87) WO2022/187424</p> <p>(31) 63/156,860 (32) 04.03.21 (33) US</p> <p>(43) 09.09.2022</p> <p>(72) BACKMAN, Kyle; DHAR, Nikhil; EROSHENKO, Nikolai; GILL, Taylor; JAMMEH, Kemo; KEAVENEY, Marianna; QUINN, Justin; RAJANIEMI, Hannu; WEBSTER, Everett</p> <p>(74) FB Rice Pty Ltd</p>	<p>2107067.7 18.05.21 GB</p> <p>2107069.3 18.05.21 GB</p> <p>2107070.1 18.05.21 GB</p> <p>2107071.9 18.05.21 GB</p> <p>2107073.5 18.05.21 GB</p> <p>2107074.3 18.05.21 GB</p> <p>2107076.8 18.05.21 GB</p> <p>2107078.4 18.05.21 GB</p> <p>2107079.2 18.05.21 GB</p> <p>2107080.0 18.05.21 GB</p> <p>(43) 29.09.2022</p> <p>(72) WRAGG, Barney; MULLER, Joe; SCHRODER, Peter; WILLIAMS, Richard; TAIT, Chris; LAMBERT, Thomas</p> <p>(74) RnB IP Pty Ltd</p>	<p>(54) METHOD FOR SWITCHING GRID-TIED MODE AND OFF-GRID MODE, AND ENERGY STORAGE SYSTEM</p> <p>(51) Int. Cl.  <b>H02J 3/38</b> ( 2006.01 )</p> <p>(87) WO2022/198598</p> <p>(43) 29.09.2022</p> <p>(72) DONG, Mingxuan; XIN, Kai</p> <p>(74) Halfords IP</p>
<p>(71) HEMERA S.R.L.; HUMANITAS MIRA-SOLE S.P.A.</p> <p>(11) AU-A-2022239859</p> <p>(21) 2022239859 (22) 18.03.2022</p> <p>(54) METHOD FOR OBTAINING TUMOR-HYPOXIA EDUCATED REGENERATIVE MACROPHAGES AND USE THEREOF IN REGENERATIVE MEDICINE</p> <p>(51) Int. Cl.  <b>C12N 5/0786</b> ( 2010.01 )  <b>A61K 35/15</b> ( 2015.01 )  <b>A61P 25/00</b> ( 2006.01 )</p> <p>(87) WO2022/195114</p> <p>(31) 10202100006569 (32) 18.03.21 (33) IT</p> <p>(43) 22.09.2022</p> <p>(72) DECIMO, Ilaria; BIFARI, Francesco; DOLCI, Sissi; FUMAGALLI, Guido Francesco; LOCATI, Massimo</p> <p>(74) FB Rice Pty Ltd</p>	<p>(71) Hindustan Petroleum Corporation Limited</p> <p>(11) AU-A-2022316519</p> <p>(21) 2022316519 (22) 26.05.2022</p> <p>(54) Valuable chemicals production from co-liquefaction of bioliquor and biomass</p> <p>(51) Int. Cl.  <b>B09B 3/80</b> ( 2022.01 )  <b>B09B 3/40</b> ( 2022.01 )  <b>B09B 3/70</b> ( 2022.01 )  <b>C10G 3/00</b> ( 2006.01 )</p> <p>(31) 202221017061 (32) 25.03.22 (33) IN</p> <p>(43) 12.10.2023</p> <p>(72) LAVANYA, Meesala; CHAKRADHAR, Pedapati; PRAMOD, Kumar</p> <p>(74) James &amp; Wells Intellectual Property</p>	<p>(71) HUAWEI DIGITAL POWER TECHNOLOGIES CO., LTD.</p> <p>(11) AU-A-2021439922</p> <p>(21) 2021439922 (22) 09.04.2021</p> <p>(54) ENERGY STORAGE SYSTEM, CONTROL METHOD FOR ENERGY STORAGE SYSTEM, AND PHOTOVOLTAIC POWER GENERATION SYSTEM</p> <p>(51) Int. Cl.  <b>H02J 7/00</b> ( 2006.01 )  <b>H01M 10/44</b> ( 2006.01 )</p> <p>(87) WO2022/213338</p> <p>(43) 13.10.2022</p> <p>(72) LI, Lin; WU, Zhipeng; YU, Bo</p> <p>(74) Halfords IP</p>
<p>(71) HENKEL AG &amp; CO. KGAA</p> <p>(11) AU-A-202226294</p> <p>(21) 202226294 (22) 21.01.2022</p> <p>(54) FLAME-RETARDANT ADHESIVE COMPOSITION FOR STRUCTURAL WOOD BONDING</p> <p>(51) Int. Cl.  <b>C08G 18/12</b> ( 2006.01 )  <b>C08G 18/30</b> ( 2006.01 )  <b>C08G 18/48</b> ( 2006.01 )  <b>C08G 18/50</b> ( 2006.01 )  <b>C08G 18/76</b> ( 2006.01 )</p> <p>(87) WO2022/179772</p> <p>(31) 21159469.2 (32) 26.02.21 (33) EP</p> <p>(43) 01.09.2022</p> <p>(72) MECKEL-JONAS, Claudia; FRANKEN, Uwe; THEBILLE, Patrick</p> <p>(74) Spruson &amp; Ferguson</p>	<p>(71) HITACHI ENERGY SWITZERLAND AG</p> <p>(11) AU-A-2022266021</p> <p>(21) 2022266021 (22) 01.03.2022</p> <p>(54) ELECTROMAGNETIC RELAY</p> <p>(51) Int. Cl.  <b>H01H 50/14</b> ( 2006.01 )  <b>H01H 50/54</b> ( 2006.01 )  <b>H01H 50/56</b> ( 2006.01 )  <b>H01H 1/26</b> ( 2006.01 )  <b>H01H 50/08</b> ( 2006.01 )</p> <p>(87) WO2022/228751</p> <p>(31) 202141019840 (32) 30.04.21 (33) IN</p> <p>(43) 03.11.2022</p> <p>(72) V, Loganadhan; M, Uthayakumar; S, Shambhulingappa; AJ, Manjunath</p> <p>(74) FB Rice Pty Ltd</p>	<p>(71) HUAWEI TECHNOLOGIES CO., LTD.</p> <p>(11) AU-A-202250360</p> <p>(21) 2022250360 (22) 29.03.2022</p> <p>(54) COMMUNICATION METHOD AND APPARATUS</p> <p>(51) Int. Cl.  <b>H04B 17/309</b> ( 2015.01 )  <b>H04W 72/04</b> ( 2023.01 )</p> <p>(87) WO2022/206782</p> <p>(31) 202110363822.6 (32) 02.04.21 (33) CN</p> <p>(43) 06.10.2022</p> <p>(72) FAN, Bo; ZHANG, Xi; CHEN, Lei; YUAN, Shitong; LIU, Fengwei; ZHANG, Yongping</p> <p>(74) PHILLIPS ORMONDE FITZPATRICK</p>
<p>(71) HENNY PENNY CORPORATION</p> <p>(11) AU-A-2022246137</p> <p>(21) 2022246137 (22) 21.03.2022</p> <p>(54) AUTOMATED FOOD FRYING SYSTEMS</p> <p>(51) Int. Cl.  <b>A47J 37/12</b> ( 2006.01 )</p> <p>(87) WO2022/200775</p> <p>(31) 2103943.3 (32) 22.03.21 (33) GB</p> <p>2107058.6 18.05.21 GB</p> <p>2107062.8 18.05.21 GB</p> <p>2107064.4 18.05.21 GB</p>	<p>(71) HOLLOWAY, D.</p> <p>(11) AU-A-2022241366</p> <p>(21) 2022241366 (22) 16.03.2022</p> <p>(54) WATERCRAFT FIN</p> <p>(51) Int. Cl.  <b>B63B 32/62</b> ( 2020.01 )  <b>B32B 17/10</b> ( 2006.01 )</p> <p>(87) WO2022/192947</p> <p>(31) 2021900783 (32) 18.03.21 (33) AU</p> <p>(43) 22.09.2022</p> <p>(72) HOLLOWAY, Daniel</p> <p>(74) Raven IP</p>	<p>(71) HUAWEI TECHNOLOGIES CO., LTD.</p> <p>(11) AU-A-202258263</p> <p>(21) 2022258263 (22) 08.04.2022</p> <p>(54) COMMUNICATION METHOD AND DEVICE</p> <p>(51) Int. Cl.  <b>H04W 24/02</b> ( 2009.01 )</p> <p>(87) WO2022/218214</p> <p>(31) 202110406269.X (32) 15.04.21 (33) CN</p> <p>(43) 20.10.2022</p> <p>(72) HU, Xingxing; GENG, Tingting</p> <p>(74) Spruson &amp; Ferguson</p>
<p>(71) HUAWEI DIGITAL POWER TECHNOLOGIES CO., LTD.</p> <p>(11) AU-A-2021435844</p> <p>(21) 2021435844 (22) 25.03.2021</p>	<p>(71) HUAWEI DIGITAL POWER TECHNOLOGIES CO., LTD.</p> <p>(11) AU-A-2021435844</p> <p>(21) 2021435844 (22) 25.03.2021</p>	<p>(71) HUBER+SUHNER AG</p> <p>(11) AU-A-2022233700</p> <p>(21) 2022233700 (22) 04.03.2022</p> <p>(54) OPTICAL CONNECTIVITY MODULE AND CHASSIS</p> <p>(51) Int. Cl.  <b>G02B 6/44</b> ( 2006.01 )</p> <p>(87) WO2022/189272</p> <p>(31) 10 2021 105 665.9 (32) 09.03.21 (33) DE</p>

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 (54) A ROBOTIC LAWN MOWER WITH ENHANCED CUTTING PROPERTIES  
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 (74) Spruson & Ferguson
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 (72) JOHNSON, David, T.; ECKERSLEY, Evan; SCIRE, Ben; HUBBARD, Emily; WOO, Isaiah; FARILL, Colin; KITCHIN, Carter; FENG, Xue; RUSHTON, Charles; MILLER, Phil; MELLO, Tommy; JONES, Donald, Edward; MOORE, Mason  
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 (54) METHOD FOR EXTRACTION AND TRANSFORMATION BY TRANS-ESTERIFICATION OF PHTHALATES CONTAINED IN PVC PLASTICS MATERIALS  
 (51) Int. Cl.  
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 B29B 17/02 ( 2006.01 )  
 C07C 67/02 ( 2006.01 )  
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 (72) CADRAN, Nicolas; CHAUMONNOT, Alexandra; COUPARD, Vincent; DELCROIX, Damien; JACQUIN, Marc; PASQUIER, David  
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 (54) METHOD FOR EXTRACTION AND TRANSFORMATION OF PHTHALATES CONTAINED IN PVC PLASTICS BY MEANS OF ALCOHOL  
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(74) WRAYS PTY LTD
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(51) Int. Cl.  
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(43) 06.10.2022  
(72) TERUI Koki; HIGUCHI Takahide; YAMAMOTO Tetsuya  
(74) Davies Collison Cave Pty Ltd
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- (71) JFE STEEL CORPORATION  
(11) AU-A-2021437808  
(21) 2021437808 (22) 03.12.2021  
(54) RAW MATERIAL PARTICLES FOR PRODUCTION OF AGGLOMERATE, METHOD FOR PRODUCING RAW MATERIAL PARTICLES FOR PRODUCTION OF AGGLOMERATE, AGGLOMERATE, METHOD FOR PRODUCING AGGLOMERATE, AND METHOD FOR PRODUCING REDUCED IRON  
(51) Int. Cl.  
**C22B 1/14** ( 2006.01 )  
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(43) 06.10.2022  
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(74) FB Rice Pty Ltd



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 (54) TETRAHYDRONAPHTHALENE COMPOUND, AND PREPARATION METHOD THEREFOR AND USE THEREOF IN MEDICINE  
 (51) Int. Cl.  
**C07D 401/14** ( 2006.01 )  
**A61K 31/4725** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07D 403/14** ( 2006.01 )  
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 (72) YANG, Fanglong; YU, Nan; LIU, Zhiwei; HE, Feng; TAO, Weikang  
 (74) Davies Collison Cave Pty Ltd
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- (71) JINAN UNIVERSITY; SHANGHAI INSTITUTE OF ORGANIC CHEMISTRY, CHINESE ACADEMY OF SCIENCES  
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 (21) 2022234998 (22) 07.03.2022  
 (54) PYRIDOPYRIMIDINE-BASED COMPOUND AND APPLICATION THEREOF  
 (51) Int. Cl.  
**C07D 471/04** ( 2006.01 )  
**A61K 31/519** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
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 (54) SMALL MOLECULE INHIBITORS OF MAMMALIAN SLC6A19 FUNCTION  
 (51) Int. Cl.  
**A61K 31/429** ( 2006.01 )  
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**G01N 33/68** ( 2006.01 )  
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 (74) FPA Patent Attorneys Pty Ltd
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- (71) JPMORGAN CHASE BANK, N.A.  
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 (21) 2022277121 (22) 28.04.2022  
 (54) SYSTEM AND METHOD FOR AUTOMATICALLY COMPUTING RECOVERY METRICS AND SUGGESTING RECOVERY PLANS VIA REAL-TIME TELEMETRY  
 (51) Int. Cl.  
**G06F 11/00** ( 2006.01 )  
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 (54) CRYSTAL FORM OF FLUORINE-SUBSTITUTED PYRIDOPYRAZOLE COMPOUND AND PREPARATION METHOD THEREFOR  
 (51) Int. Cl.  
**C07D 471/04** ( 2006.01 )  
**A61K 31/4353** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
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 (54) METHODS FOR DOSING AND TREATMENT WITH A COMBINATION OF A CHECKPOINT INHIBITOR THERAPY AND A CAR T CELL THERAPY  
 (51) Int. Cl.  
**A61K 39/00** ( 2006.01 )  
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 (74) AJ PARK
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 (54) COMBINATION OF A CAR T CELL THERAPY AND AN IMMUNOMODULATORY COMPOUND FOR TREATMENT OF LYMPHOMA  
 (51) Int. Cl.
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**A61K 31/5377** ( 2006.01 )  
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- (71) KEMIN INDUSTRIES, INC.  
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 (54) NITRITE REPLACEMENT (CURING AIDS) CONTAINING NATURAL INGREDIENTS  
 (51) Int. Cl.  
**A23L 5/43** ( 2016.01 )  
**A23B 4/027** ( 2006.01 )  
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- (71) KEMIRA OYJ  
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 (21) 2022256804 (22) 13.04.2022  
 (54) POLYMER DISPERSION, ITS USE AND METHOD FOR ITS MANUFACTURE  
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**C08L 93/04** ( 2006.01 )  
**D21H 17/62** ( 2006.01 )  
**D21H 21/16** ( 2006.01 )  
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 (74) Griffith Hack
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 (11) AU-A-2022240607  
 (21) 2022240607 (22) 16.03.2022  
 (54) DC COOKING APPLIANCE  
 (51) Int. Cl.  
**F24C 7/06** ( 2006.01 )  
**A23L 5/10** ( 2016.01 )  
**A47J 37/06** ( 2006.01 )  
**H05B 3/20** ( 2006.01 )  
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 (72) REISCHMANN, Michael; WILLIAMS, Phillip  
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 (54) STANDARD-SIZED REINFORCING BAR INTEGRATED WITH BUTT JOINT DEVICE, AND METHOD FOR CONSTRUCTING REINFORCING BAR STRUCTURE BY USING SAME  
 (51) Int. Cl.  
*E04C 5/16* ( 2006.01 )  
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 (72) KIM, Yongkeun; KIM, Taekyung  
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 (54) COMPOSITIONS COMPRISING NKG2D, CXCR2, AND DAP10/DAP12 FUSION POLYPEPTIDES AND METHODS OF USE THEREOF  
 (51) Int. Cl.  
*A61K 39/00* ( 2006.01 )  
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*A61P 35/00* ( 2006.01 )  
*C12N 5/10* ( 2006.01 )  
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*C12N 15/87* ( 2006.01 )  
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 (54) SYSTEM AND METHOD FOR CONTROLLING WORK MACHINE  
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 (72) NAKANO, Kei; TSUMURA, Souichi  
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 (21) 2022276566 (22) 18.05.2022  
 (54) PRESSURE REGULATOR FOR A LIQUID  
 (51) Int. Cl.  
*G05D 16/06* ( 2006.01 )  
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 (72) DRECHSEL, Arno  
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 (54) COAXIAL LIQUID PRESSURE REGULATOR  
 (51) Int. Cl.  
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 (72) DRECHSEL, Arno  
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 (54) MUON TELESCOPE AND NEUTRON DETECTOR, SYSTEM FOR MEASURING AND CHARACTERIZING LARGE VOLUMES, AND METHODS  
 (51) Int. Cl.  
*G01N 9/24* ( 2006.01 )  
*G01T 1/20* ( 2006.01 )  
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*G01T 3/06* ( 2006.01 )  
*G01T 3/08* ( 2006.01 )  
*G01V 5/04* ( 2006.01 )  
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 (74) Cooper IP Pty Ltd

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 (21) 2022246917 (22) 01.04.2022  
 (54) VIRAL VECTORS FOR CANCER THERAPY  
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*C12N 15/86* ( 2006.01 )  
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 (54) CROSS FLOW HEAT TRANSFER APPARATUS  
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 (54) FUNCTION-DEFICIENT GRANULE BOUND STARCH SYNTHASE GENE AND FAGOPYRUM PLANT INCLUDING SAME  
 (51) Int. Cl.  
*C12N 15/54* ( 2006.01 )  
*A01H 1/06* ( 2006.01 )  
*A01H 6/00* ( 2018.01 )  
*C12N 15/01* ( 2006.01 )  
*C12N 15/29* ( 2006.01 )  
 (87) WO2022/176997  
 (31) 2021-026491 (32) 22.02.21 (33) JP  
 (43) 25.08.2022  
 (72) YASUI Yasuo; UENO Mariko; KAWATE Yasumasa  
 (74) PHILLIPS ORMONDE FITZPATRICK

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 (11) AU-A-2022222977  
 (21) 2022222977 (22) 21.02.2022  
 (54) FUNCTION-DEFICIENT TRANSCRIPTION FACTOR-LIKE GENE AND SELF-PROPAGATING BUCKWHEAT PLANT UTILIZING SAME  
 (51) Int. Cl.  
*C12N 15/29* ( 2006.01 )  
*A01H 5/02* ( 2018.01 )  
*A01H 6/00* ( 2018.01 )  
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 (72) YASUI Yasuo; UENO Mariko; KAWATE Yasumasa  
 (74) PHILLIPS ORMONDE FITZPATRICK

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 (11) AU-A-2022271275  
 (21) 2022271275 (22) 05.05.2022  
 (54) TARGET MEASUREMENT  
 (51) Int. Cl.  
*G01N 33/536* ( 2006.01 )  
*G01N 33/543* ( 2006.01 )  
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 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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 (54) Toy Construction Kit and Tile  
 (51) Int. Cl.  
**A63H 33/08** ( 2006.01 )  
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 (72) Wang, Howard  
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 (54) AUTONOMOUS GEOGRAPHICAL LOCATION DETERMINATION USING MESH NETWORK  
 (51) Int. Cl.  
**H04W 4/02** ( 2018.01 )  
 (87) WO2022/212390  
 (31) 17/218,359 (32) 31.03.21 (33) US  
 (43) 06.10.2022  
 (72) KARLGAARD, Matt; RADGOWSKI, John  
 (74) Davies Collison Cave Pty Ltd
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 (11) AU-A-2022253075  
 (21) 2022253075 (22) 08.04.2022  
 (54) PROCESS FOR IMPROVING CARBON CONVERSION EFFICIENCY  
 (51) Int. Cl.  
**C12P 7/06** ( 2006.01 )  
**B01D 53/62** ( 2006.01 )  
**C12M 1/00** ( 2006.01 )  
**C12N 1/20** ( 2006.01 )  
**C12P 7/18** ( 2006.01 )  
**C12P 7/26** ( 2006.01 )  
**C12P 7/52** ( 2006.01 )  
**C12P 7/56** ( 2006.01 )  
**C12P 7/6409** ( 2022.01 )  
 (87) WO2022/217280  
 (31) 63/173,247 (32) 09.04.21 (33) US  
 (43) 13.10.2022  
 (72) CONRADO, Robert John; SIMPSON, Sean Dennis; MARTIN, Michael Emerson; BROMLEY, Jason Carl; ROSIN, Richard Russell  
 (74) SR Intellectual Property
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- (71) LANZATECH, INC.  
 (11) AU-A-2022253493  
 (21) 2022253493 (22) 08.04.2022  
 (54) FLEXIBLE FERMENTATION PLATFORM FOR IMPROVED CONVERSION OF CARBON DIOXIDE INTO PRODUCTS  
 (51) Int. Cl.
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- (71) LANZATECH, INC.  
 (11) AU-A-2022253950  
 (21) 2022253950 (22) 08.04.2022  
 (54) PROCESS AND APPARATUS FOR PROVIDING A FEEDSTOCK  
 (51) Int. Cl.  
**C12P 7/06** ( 2006.01 )  
**B01D 53/62** ( 2006.01 )  
**C12M 1/00** ( 2006.01 )  
**C12N 1/20** ( 2006.01 )  
**C12P 5/02** ( 2006.01 )  
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**C12P 7/52** ( 2006.01 )  
**C12P 7/56** ( 2006.01 )  
**C12P 7/6409** ( 2022.01 )  
 (87) WO2022/217282  
 (31) 63/173,243 (32) 09.04.21 (33) US  
 (43) 13.10.2022  
 (72) CONRADO, Robert John  
 (74) SR Intellectual Property
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- (71) LANZATECH, INC.  
 (11) AU-A-2022254776  
 (21) 2022254776 (22) 08.04.2022  
 (54) INTEGRATED FERMENTATION AND ELECTROLYSIS PROCESS FOR IMPROVING CARBON CAPTURE EFFICIENCY  
 (51) Int. Cl.  
**C12P 7/06** ( 2006.01 )  
**B01D 53/62** ( 2006.01 )  
**C12M 1/00** ( 2006.01 )  
**C12N 1/20** ( 2006.01 )  
**C12P 5/02** ( 2006.01 )  
**C12P 7/18** ( 2006.01 )  
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**C12P 7/52** ( 2006.01 )  
**C12P 7/56** ( 2006.01 )  
**C12P 7/6409** ( 2022.01 )  
 (87) WO2022/217275  
 (31) 63/173,262 (32) 09.04.21 (33) US  
 (43) 13.10.2022  
 (72) CONRADO, Robert John; SIMPSON, Sean Dennis; MARTIN, Michael Emerson
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 (74) SR Intellectual Property
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 (11) AU-A-2022254777  
 (21) 2022254777 (22) 08.04.2022  
 (54) METHOD OF CONTROLLING GAS FERMENTATION PLATFORM FOR IMPROVED CONVERSION OF CARBON DIOXIDE INTO PRODUCTS  
 (51) Int. Cl.  
**C12P 7/06** ( 2006.01 )  
**B01D 53/62** ( 2006.01 )  
**C12M 1/00** ( 2006.01 )  
**C12M 1/34** ( 2006.01 )  
**C12N 1/20** ( 2006.01 )  
**C12P 5/02** ( 2006.01 )  
**C12P 7/18** ( 2006.01 )  
**C12P 7/26** ( 2006.01 )  
**C12P 7/52** ( 2006.01 )  
**C12P 7/56** ( 2006.01 )  
 (87) WO2022/217286  
 (31) 63/173,243 (32) 09.04.21 (33) US  
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 (43) 13.10.2022  
 (72) CONRADO, Robert John; BROMLEY, Jason Carl; SIMPSON, Sean Dennis; MARTIN, Michael Emerson  
 (74) SR Intellectual Property
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- (71) LARITZCO INTERNATIONAL CO., LTD.  
 (11) AU-A-2022255748  
 (21) 2022255748 (22) 07.04.2022  
 (54) VALUE-PRESERVING COMMODITY TRANSACTION REBATING METHOD AND SYSTEM  
 (51) Int. Cl.  
**G06Q 30/00** ( 2023.01 )  
**G06Q 30/02** ( 2023.01 )  
 (87) WO2022/214011  
 (31) 202110382661.5 (32) 09.04.21 (33) CN  
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 (72) HO, Cheng-Yi  
 (74) ALDRICH PROJECTS PTY LTD
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 (21) 2022257629 (22) 07.04.2022  
 (54) COFFEE PERCOLATOR AND METHOD OF DELIVERING COFFEE  
 (51) Int. Cl.  
**A47J 31/00** ( 2006.01 )  
**A47J 31/36** ( 2006.01 )  
**A47J 31/46** ( 2006.01 )  
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 (72) NOCERA, Roberto; BOLZAN, Stefano  
 (74) WRAYS PTY LTD
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 (11) AU-A-2022264758  
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 (54) METHODS OF CALIBRATION OF A STEREO LITHOGRAPHY SYSTEM  
 (51) Int. Cl.  
**B29C 64/393** ( 2017.01 )  
**B33Y 30/00** ( 2015.01 )  
**B33Y 50/02** ( 2015.01 )  
**C12M 3/00** ( 2006.01 )  
**G01D 18/00** ( 2006.01 )  
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 (31) 63/179,876 (32) 26.04.21 (33) US  
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 (11) AU-A-2022272750  
 (21) 2022272750 (22) 10.05.2022  
 (54) COMMUNICATING A NUMBER OF RESOURCE BLOCKS (RBS) PARAMETER AND A MAPPING TYPES PARAMETER FOR PHYSICAL UPLINK CONTROL CHANNEL (PUCCH) CONFIGURATION  
 (51) Int. Cl.  
**H04L 5/00** ( 2006.01 )  
**H04L 27/26** ( 2006.01 )  
**H04W 76/00** ( 2018.01 )  
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 (31) 63/186,404 (32) 10.05.21 (33) US  
 (43) 17.11.2022  
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 (74) FPA Patent Attorneys Pty Ltd
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- (71) LEVITY CROP SCIENCE LIMITED  
 (11) AU-A-202225720  
 (21) 202225720 (22) 24.02.2022  
 (54) AGRICULTURAL COMPOSITION FOR ENHANCED SILICON UPTAKE AND DISTRIBUTION IN PLANTS  
 (51) Int. Cl.  
**A01N 47/30** ( 2006.01 )  
**A01N 47/36** ( 2006.01 )  
**A01P 21/00** ( 2006.01 )  
 (87) WO2022/180396  
 (31) 2102806.3 (32) 26.02.21 (33) GB  
 (43) 01.09.2022  
 (72) MARKS, David; WESTON, Anna  
 (74) Madderns Pty Ltd
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- (71) LG ELECTRONICS INC.  
 (11) AU-A-202226033  
 (21) 202226033 (22) 23.02.2022  
 (54) CLOTHING TREATMENT APPARATUS AND METHOD FOR CONTROLLING CLOTHING TREATMENT APPARATUS  
 (51) Int. Cl.  
**D06F 34/06** ( 2020.01 )  
**D06F 34/10** ( 2020.01 )  
**D06F 34/18** ( 2020.01 )  
**D06F 34/20** ( 2020.01 )
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- (71) LG ELECTRONICS INC.  
 (11) AU-A-2022263167  
 (21) 2022263167 (22) 22.04.2022  
 (54) REFRIGERATOR  
 (51) Int. Cl.  
**F25D 23/02** ( 2006.01 )  
**A47B 96/20** ( 2006.01 )  
**F21K 9/61** ( 2016.01 )  
**F21V 23/00** ( 2015.01 )  
**F21V 33/00** ( 2006.01 )  
**F25D 27/00** ( 2006.01 )  
**F21W 131/305** ( 2006.01 )  
 (87) WO2022/225377  
 (31) 10-2021-0053269 (32) 23.04.21 (33) KR  
 (43) 27.10.2022  
 (72) KIM, Junghun  
 (74) Dentons Patent Attorneys Australasia Limited
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- (71) LG ELECTRONICS INC.  
 (11) AU-A-2022405977  
 (21) 2022405977 (22) 30.11.2022  
 (54) SHOE CARE APPARATUS  
 (51) Int. Cl.  
**A47L 23/20** ( 2006.01 )  
**A47B 61/04** ( 2006.01 )  
**A47L 23/18** ( 2006.01 )  
**A61L 2/07** ( 2006.01 )
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 (11) AU-A-2022234175  
 (21) 2022234175 (22) 07.03.2022  
 (54) LAUNDRY TREATING APPARATUS  
 (51) Int. Cl.  
**D06F 58/08** ( 2006.01 )  
**D06F 37/40** ( 2006.01 )  
**D06F 37/42** ( 2006.01 )  
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 (72) YOON, Juhan; LEE, Manseok  
 (74) Dentons Patent Attorneys Australasia Limited
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 (11) AU-A-2022234603  
 (21) 2022234603 (22) 08.03.2022  
 (54) LAUNDRY TREATING APPARATUS  
 (51) Int. Cl.  
**D06F 58/08** ( 2006.01 )  
**D06F 37/40** ( 2006.01 )  
**D06F 37/42** ( 2006.01 )  
 (87) WO2022/191582  
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 (74) Dentons Patent Attorneys Australasia Limited
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 (11) AU-A-2022263167  
 (21) 2022263167 (22) 22.04.2022  
 (54) REFRIGERATOR  
 (51) Int. Cl.  
**F25D 23/02** ( 2006.01 )  
**A47B 96/20** ( 2006.01 )  
**F21K 9/61** ( 2016.01 )  
**F21V 23/00** ( 2015.01 )  
**F21V 33/00** ( 2006.01 )  
**F25D 27/00** ( 2006.01 )  
**F21W 131/305** ( 2006.01 )  
 (87) WO2022/225377  
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 (21) 202226033 (22) 23.02.2022  
 (54) CLOTHING TREATMENT APPARATUS AND METHOD FOR CONTROLLING CLOTHING TREATMENT APPARATUS  
 (51) Int. Cl.  
**D06F 34/06** ( 2020.01 )  
**D06F 34/10** ( 2020.01 )  
**D06F 34/18** ( 2020.01 )  
**D06F 34/20** ( 2020.01 )
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 (11) AU-A-2022406019  
 (21) 2022406019 (22) 06.12.2022  
 (54) SHOE MAINTENANCE DEVICE  
 (51) Int. Cl.  
**A47L 23/20** ( 2006.01 )  
**A47B 61/04** ( 2006.01 )  
**A61L 2/07** ( 2006.01 )  
**F26B 3/02** ( 2006.01 )  
**F26B 9/00** ( 2006.01 )  
**F26B 21/00** ( 2006.01 )  
**F26B 21/08** ( 2006.01 )  
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 (74) Dentons Patent Attorneys Australasia Limited
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 (54) SELF-HOISTING CRANE AND METHOD OF MOUNTING AND OPERATING SUCH CRANE  
 (51) Int. Cl.  
**B66C 23/20** ( 2006.01 )  
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 (31) PA 2021 70216 (32) 07.05.21 (33) DK  
 (43) 10.11.2022  
 (72) HEDEGAARD, Simon  
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 (11) AU-A-2022236555  
 (21) 2022236555 (22) 18.03.2022  
 (54) DOG SACHET  
 (51) Int. Cl.  
**A23K 20/163** ( 2016.01 )  
**A23K 40/30** ( 2016.01 )  
**A23K 50/48** ( 2016.01 )  
**B65D 65/46** ( 2006.01 )  
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 (74) Murray Trento & Associates Pty Ltd
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 (11) AU-A-2022261060  
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 (54) DYNAMIC GRAPHICAL CONTAINERS

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**G06Q 10/10** ( 2023.01 )  
**G06Q 50/10** ( 2012.01 )  
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(31) 17/239,227 (32) 23.04.21 (33) US  
(43) 27.10.2022  
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(74) Pangaea IP Consultants

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(11) AU-A-2022266164  
(21) 2022266164 (22) 22.04.2022  
(54) MEDICAL OPTICAL FIBER WITH PROTECTIVE TIP ENCAPSULATION  
(51) Int. Cl.  
**G02B 6/24** ( 2006.01 )  
**A61B 18/22** ( 2006.01 )  
**G02B 6/02** ( 2006.01 )  
**G02B 6/26** ( 2006.01 )  
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(31) 63/179,487 (32) 25.04.21 (33) US  
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(72) KHACHATUROV, Arkady  
(74) Spruson & Ferguson

(71) LUXCREO (BEIJING) INC.  
(11) AU-A-2022291205  
(21) 2022291205 (22) 09.06.2022  
(54) ADDITIVE MANUFACTURING APPARATUS AND METHOD  
(51) Int. Cl.  
**B29C 64/286** ( 2017.01 )  
**B29C 35/08** ( 2006.01 )  
**B29C 64/129** ( 2017.01 )  
**B33Y 30/00** ( 2015.01 )  
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(72) ZHU, Guang; YANG, Mike Shang-Yu; STROHECKER, Michael Robert  
(74) Spruson & Ferguson

(71) LYV LIFE INC. DBA CORA  
(11) AU-A-2022261851  
(21) 2022261851 (22) 18.04.2022  
(54) MENSTRUAL DISC AND METHODS OF USE  
(51) Int. Cl.  
**A61F 13/15** ( 2006.01 )  
**A61F 5/44** ( 2006.01 )  
**A61F 5/455** ( 2006.01 )  
**A61F 13/20** ( 2006.01 )  
**A61F 13/24** ( 2006.01 )  
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(31) 63/176,685 (32) 19.04.21 (33) US  
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(72) BRUSH, Jennifer; SANDROLINI, Emma; METZ, Marla; NEWMAN, Morgen  
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(71) MA, M.  
(11) AU-A-2022257157  
(21) 2022257157 (22) 13.04.2022

(54) MICRO BUBBLE GENERATION METHOD AND GENERATION DEVICE  
(51) Int. Cl.  
**B01F 23/20** ( 2022.01 )  
**B01F 23/70** ( 2022.01 )  
**B01F 35/00** ( 2022.01 )  
(87) WO2022/218333  
(31) 202110406058.6 (32) 15.04.21 (33) CN  
(43) 20.10.2022  
(72) MA, Minxiang  
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(11) AU-A-2022242666  
(21) 2022242666 (22) 22.03.2022  
(54) ASSISTIVE MOVEMENT TRAINING APPARATUS FOR THE DISABLED  
(51) Int. Cl.  
**A63B 69/00** ( 2006.01 )  
**A61G 5/14** ( 2006.01 )  
**A61H 1/02** ( 2006.01 )  
**A61H 3/00** ( 2006.01 )  
**A63B 21/068** ( 2006.01 )  
**A63B 22/20** ( 2006.01 )  
**A63B 23/04** ( 2006.01 )  
**A63B 71/00** ( 2006.01 )  
(87) WO2022/200296  
(31) 21163978.6 (32) 22.03.21 (33) EP  
(43) 29.09.2022  
(72) BLOMBERG, Fredrik, Gardsteig; TUVASTENSLAND, Christian; LINDAAS, André  
(74) WRAYS PTY LTD

(71) MANUFACTURING RESOURCES INTERNATIONAL, INC.  
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(21) 2022238796 (22) 14.03.2022  
(54) FAN CONTROL FOR ELECTRONIC DISPLAY ASSEMBLIES  
(51) Int. Cl.  
**G01R 22/06** ( 2006.01 )  
**G01R 22/10** ( 2006.01 )  
**G02B 1/11** ( 2015.01 )  
**G02F 1/133** ( 2006.01 )  
**G02F 1/1333** ( 2006.01 )  
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(11) AU-A-2022246101  
(21) 2022246101 (22) 24.03.2022  
(54) PHARMACEUTICAL COMPOSITIONS COMPRISING ZOLMITRIPTAN  
(51) Int. Cl.  
**A61K 31/422** ( 2006.01 )  
**A61K 9/00** ( 2006.01 )  
**A61K 9/16** ( 2006.01 )  
(87) WO2022/204399  
(31) 63/165,938 (32) 25.03.21 (33) US  
63/306,377 03.02.22 US  
(43) 29.09.2022  
(72) WOOD, Michael; LILLIE, James  
(74) RNB IP PTY LTD

(71) MAREL A/S  
(11) AU-A-2022235154  
(21) 2022235154 (22) 07.03.2022  
(54) A CONVEYOR SYSTEM  
(51) Int. Cl.  
**B65G 15/60** ( 2006.01 )  
**B65G 15/62** ( 2006.01 )  
(87) WO2022/189323  
(31) 21161254.4 (32) 08.03.21 (33) EP  
(43) 15.09.2022  
(72) PEDERSEN, Bjørn Heide  
(74) FB Rice Pty Ltd

(71) MAREL A/S  
(11) AU-A-2022240902  
(21) 2022240902 (22) 11.03.2022  
(54) A GRIPPER DEVICE CONFIGURED TO BE ATTACHED TO A ROBOTIC DEVICE AND TO PICK UP A FOOD PRODUCT FROM A PICK UP AREA AND TO RELEASE IT FROM A RE-LEASING LOCATION TO A RECEIVING LOCATION  
(51) Int. Cl.  
**B25J 11/00** ( 2006.01 )  
**B25J 15/00** ( 2006.01 )  
(87) WO2022/194701  
(31) 21163772.3 (32) 19.03.21 (33) EP  
(43) 22.09.2022  
(72) DALGAARD, Jens Kongensholm  
(74) FB Rice Pty Ltd

(71) MASSACHUSETTS INSTITUTE OF TECHNOLOGY; THE REGENTS OF THE UNIVERSITY OF CALIFORNIA  
(11) AU-A-2022258839  
(21) 2022258839 (22) 16.04.2022  
(54) VIRAL TARGETING OF HEMATOPOIETIC STEM CELLS  
(51) Int. Cl.  
**C07K 14/005** ( 2006.01 )  
**C12N 15/10** ( 2006.01 )  
**C12N 15/86** ( 2006.01 )  
(87) WO2022/221745  
(31) 63/176,120 (32) 16.04.21 (33) US  
(43) 20.10.2022  
(72) BIRNBAUM, Michael; DOBSON, Connor; GAGLIONE, Stephanie; ROYBAL, Kole; BURNETT, Cassandra  
(74) RnB IP Pty Ltd

(71) MEDGENE THERAPEUTICS, INC.  
(11) AU-A-2022257812  
(21) 2022257812 (22) 11.03.2022  
(54) METHOD FOR ACTIVATING AND PROLIFERATING CD8 T CELLS EXPOSED TO ANTIGEN, CD8 T CELLS, PREPARED THEREBY, HAVING ENHANCED ANTICANCER ACTIVITY, AND USE THEREOF  
(51) Int. Cl.  
**C12N 5/0783** ( 2010.01 )  
**A61K 35/17** ( 2015.01 )  
**A61P 31/00** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07K 14/47** ( 2006.01 )

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**(72)** SEONG, Rho Hyun; NAH, Jin Woo  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** MEDTRONIC, INC.  
**(11)** AU-A-2022226585  
**(21)** 2022226585 **(22)** 24.02.2022  
**(54)** NEUROSTIMULATION USING TIME-INTERLEAVED CASCADE OF BI-POLAR ELECTRODE COMBINATIONS  
**(51)** Int. Cl.  
**A61N 1/36** ( 2006.01 )  
**A61N 1/05** ( 2006.01 )  
**(87)** WO2022/183201  
**(31)** 63/153,201 **(32)** 24.02.21 **(33)** US 17/652,245 23.02.22 US  
**(43)** 01.09.2022  
**(72)** KRAMER, Jeffery M.; CLELAND, Andrew J.; LITVAK, Leonid M.  
**(74)** FB Rice Pty Ltd
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- (71)** MEDTRONIC, INC.  
**(11)** AU-A-2022227540  
**(21)** 2022227540 **(22)** 21.02.2022  
**(54)** DETERMINING ELECTRODE COMBINATIONS FOR SENSING  
**(51)** Int. Cl.  
**A61N 1/36** ( 2006.01 )  
**A61B 5/24** ( 2021.01 )  
**A61N 1/05** ( 2006.01 )  
**A61N 1/372** ( 2006.01 )  
**(87)** WO2022/182611  
**(31)** 63/153,020 **(32)** 24.02.21 **(33)** US  
**(43)** 01.09.2022  
**(72)** DINSMOOR, David A.; HINCAPIE, Juan G.; LITVAK, Leonid M.  
**(74)** FB Rice Pty Ltd
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**(11)** AU-A-2022245215  
**(21)** 2022245215 **(22)** 22.03.2022  
**(54)** CD38 CHIMERIC CO-STIMULATING RECEPTOR AND USES THEREOF  
**(51)** Int. Cl.  
**C07K 16/30** ( 2006.01 )  
**A61K 35/17** ( 2015.01 )  
**A61P 35/00** ( 2006.01 )  
**A61P 35/02** ( 2006.01 )  
**A61P 37/02** ( 2006.01 )  
**C07K 16/40** ( 2006.01 )  
**(87)** WO2022/204129  
**(31)** 63/164,355 **(32)** 22.03.21 **(33)** US 63/275,327 03.11.21 US 63/274,250 01.11.21 US  
**(43)** 29.09.2022  
**(72)** SADELAIN, Michel; THEMELI, Maria; SJÖSTRAND, Maria; KATSAROU, Afroditi  
**(74)** IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD
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- (71)** METSO FINLAND OY  
**(11)** AU-A-2021440994  
**(21)** 2021440994 **(22)** 14.04.2021  
**(54)** EXTRACTION OF METALS FROM LITHIUM-ION BATTERY MATERIAL  
**(51)** Int. Cl.  
**C22B 7/00** ( 2006.01 )  
**C22B 23/00** ( 2006.01 )  
**C22B 26/12** ( 2006.01 )  
**(87)** WO2022/219221  
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**(74)** IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD
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- (71)** MICRONIZING TECHNOLOGIES, LLC  
**(11)** AU-A-2022228244  
**(21)** 2022228244 **(22)** 03.03.2022  
**(54)** CONFIGURABLE APPARATUS AND METHODS FOR DECORTICATING, COMMUNUTING, AND LIBERATING FIBERS AND HURD FROM HEMP STALKS AND RELATED MATERIALS
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- (71)** MERCK SHARP & DOHME LLC  
**(11)** AU-A-2022238805  
**(21)** 2022238805 **(22)** 15.03.2022  
**(54)** PRO DRUGS OF PDE10 COMPOUNDS  
**(51)** Int. Cl.  
**C07D 417/14** ( 2006.01 )  
**A61K 31/506** ( 2006.01 )  
**A61P 25/18** ( 2006.01 )  
**(87)** WO2022/197647  
**(31)** 63/162,333 **(32)** 17.03.21 **(33)** US  
**(43)** 22.09.2022  
**(72)** MITTAL, Sachin; SKUDLAREK, Jason, W.; RAHEEM, Izzat, T.  
**(74)** ALLENS PATENT & TRADE MARK ATTORNEYS
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- (71)** METAGENOMI, INC.  
**(11)** AU-A-2022237663  
**(21)** 2022237663 **(22)** 18.03.2022  
**(54)** MULTIPLEX EDITING WITH CAS ENZYMES  
**(51)** Int. Cl.  
**C12N 9/22** ( 2006.01 )  
**C12N 5/0783** ( 2010.01 )  
**C12N 15/10** ( 2006.01 )  
**C12N 15/113** ( 2010.01 )  
**(87)** WO2022/198080  
**(31)** 63/163,510 **(32)** 19.03.21 **(33)** US 63/186,506 10.05.21 US 63/241,916 08.09.21 US  
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**(72)** THOMAS, Brian; BROWN, Christopher; DEVOTO, Audra; BUTTERFIELD, Cristina; ALEXANDER, Lisa; GOLTSMAN, Daniela, S., A.; COST, Greg; LAMOTHE, Rebecca; ESPINOSA, Diego  
**(74)** FB Rice Pty Ltd
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- (71)** USING SELECTIVE DIFFERENTIAL FRAGMENTATION  
**(51)** Int. Cl.  
**B02C 13/28** ( 2006.01 )  
**B02C 13/14** ( 2006.01 )  
**B02C 13/282** ( 2006.01 )  
**(87)** WO2022/187506  
**(31)** 63/155,870 **(32)** 03.03.21 **(33)** US  
**(43)** 09.09.2022  
**(72)** SAMPLE, Steven, L.; SAMPLE, Edward, W.  
**(74)** WRAYS PTY LTD
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- (71)** MIE UNIVERSITY; THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS  
**(11)** AU-A-2022239051  
**(21)** 2022239051 **(22)** 18.03.2022  
**(54)** PHARMACEUTICAL COMPOSITION FOR AMELIORATING ACUTE LUNG INJURY AND ACUTE WORSENING OF PULMONARY FIBROSIS  
**(51)** Int. Cl.  
**C07K 16/12** ( 2006.01 )  
**A61K 38/10** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**A61K 39/085** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**A61P 1/16** ( 2006.01 )  
**A61P 7/00** ( 2006.01 )  
**A61P 11/00** ( 2006.01 )  
**A61P 13/12** ( 2006.01 )  
**A61P 37/04** ( 2006.01 )  
**A61P 43/00** ( 2006.01 )  
**C07K 7/06** ( 2006.01 )  
**C07K 7/08** ( 2006.01 )  
**C07K 16/40** ( 2006.01 )  
**C12N 15/13** ( 2006.01 )  
**C12N 15/31** ( 2006.01 )  
**C12P 21/08** ( 2006.01 )  
**G01N 33/53** ( 2006.01 )  
**G01N 33/68** ( 2006.01 )  
**(87)** WO2022/196816  
**(31)** 2021-046301 **(32)** 19.03.21 **(33)** JP 2021-173381 22.10.21 JP  
**(43)** 22.09.2022  
**(72)** GABAZZA, Esteban; GABAZZA, Corina; CANN, Isaac  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** MILLENNIUM PHARMACEUTICALS, INC.  
**(11)** AU-A-2022266584  
**(21)** 2022266584 **(22)** 25.04.2022  
**(54)** ANTI-CLEC12A ANTIBODIES AND USES THEREOF  
**(51)** Int. Cl.  
**C07K 16/28** ( 2006.01 )  
**(87)** WO2022/232044  
**(31)** 63/179,755 **(32)** 26.04.21 **(33)** US  
**(43)** 03.11.2022  
**(72)** YOSHIHARA, Tomoki  
**(74)** Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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- (71)** MILWAUKEE ELECTRIC TOOL CORPORATION  
**(11)** AU-A-2022241881  
**(21)** 2022241881 **(22)** 25.03.2022

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- (51) Int. Cl.  
**H02P 1/32** ( 2006.01 )  
**B25F 5/00** ( 2006.01 )  
**H02K 3/28** ( 2006.01 )  
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 (74) Davies Collison Cave Pty Ltd

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- 20220133 26.01.22 NO **A61K 9/127** ( 2006.01 ) **A61K 31/519** ( 2006.01 )  
**(43)** 17.11.2022 **A61K 31/7115** ( 2006.01 ) **A61P 5/00** ( 2006.01 )  
**(72)** FREDRIKSEN, Agnete Brunsvik; BER- **A61K 31/712** ( 2006.01 ) **A61P 15/00** ( 2006.01 )  
 SAAS, Audun Trygve Haugen; GRAN- **A61K 31/7125** ( 2006.01 ) **A61P 35/00** ( 2006.01 )  
 UM, Stine; MYRSET, Heidi  
**(74)** FB Rice Pty Ltd  


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**(71)** OJAI RETINAL TECHNOLOGY, LLC  
**(11)** AU-A-2022287887  
**(21)** 2022287887 **(22)** 03.05.2022  
**(54)** RETINAL IRRADIATION SYSTEM  
 AND METHOD TO IMPROVE OCULAR  
 FUNCTION AND HEALTH IN THE  
 NORMALLY AGING EYE  
**(51)** Int. Cl.  
**A61F 9/008** ( 2006.01 )  
**(87)** WO2022/260781  
**(31)** 17/341,666 **(32)** 08.06.21 **(33)** US  
 17/379,027 19.07.21 US  
**(43)** 15.12.2022  
**(72)** LUTTRULL, Jeffrey K.  
**(74)** Griffith Hack  


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**(71)** OJAI RETINAL TECHNOLOGY, LLC  
**(11)** AU-A-2022291348  
**(21)** 2022291348 **(22)** 09.05.2022  
**(54)** RETINAL PHOTOTHERAPY SYSTEM  
 AND METHOD HAVING FIXED PARA-  
 METERS  
**(51)** Int. Cl.  
**A61N 5/067** ( 2006.01 )  
**A61F 9/008** ( 2006.01 )  
**A61F 9/007** ( 2006.01 )  
**(87)** WO2022/260792  
**(31)** 17/341,666 **(32)** 08.06.21 **(33)** US  
**(43)** 15.12.2022  
**(72)** LUTTRULL, Jeffrey K.  
**(74)** Griffith Hack  


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**(71)** OKA ROCK BOLT TECHNOLOGIES  
 PTY LIMITED  
**(11)** AU-A-2022266849  
**(21)** 2022266849 **(22)** 27.04.2022  
**(54)** A DRILL HEAD INJECTION SYSTEM  
 FOR A SELF-DRILLING ROCK BOLT  
 ASSEMBLY  
**(51)** Int. Cl.  
**E21D 20/00** ( 2006.01 )  
**E02D 5/80** ( 2006.01 )  
**E02D 7/22** ( 2006.01 )  
**E21D 20/02** ( 2006.01 )  
**E21D 21/00** ( 2006.01 )  
**(87)** WO2022/226592  
**(31)** 2021901240 **(32)** 27.04.21 **(33)** AU  
 2021901394 11.05.21 AU  
 2021901470 17.05.21 AU  
**(43)** 03.11.2022  
**(72)** LEVEY, Mark Anthony  
**(74)** GLMR  


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**(71)** OMEGA THERAPEUTICS, INC.  
**(11)** AU-A-2022262355  
**(21)** 2022262355 **(22)** 21.04.2022  
**(54)** TISSUE-SPECIFIC NUCLEIC ACID  
 DELIVERY BY MIXED CATIONIC LIP-  
 ID PARTICLES  
**(51)** Int. Cl.  
**A61K 9/127** ( 2006.01 )  
**(87)** WO2022/226139  
**(31)** 63/178,050 **(32)** 22.04.21 **(33)** US  
**(43)** 27.10.2022  
**(72)** PATIL, Vishwesh Ashok; SARISOZEN,  
 Can; FERREIRA GOMES COSTA,  
 Daniel  
**(74)** FPA Patent Attorneys Pty Ltd  


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**(71)** ONE ENERGY ENTERPRISES INC.  
**(11)** AU-A-2022237341  
**(21)** 2022237341 **(22)** 09.03.2022  
**(54)** ENERGY STORAGE SYSTEMS AND  
 METHODS  
**(51)** Int. Cl.  
**H01L 23/00** ( 2006.01 )  
**(87)** WO2022/197504  
**(31)** 17/201,679 **(32)** 15.03.21 **(33)** US  
**(43)** 22.09.2022  
**(72)** KENT, Jerome; MOLLAYOUSEF, Amir,  
 Sohrabi  
**(74)** Spruson & Ferguson  


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**(71)** ONO PHARMACEUTICAL CO., LTD.  
**(11)** AU-A-2022251752  
**(21)** 2022251752 **(22)** 31.03.2022  
**(54)** ABHD6 ANTAGONIST  
**(51)** Int. Cl.  
**C07D 405/14** ( 2006.01 )  
**A61K 9/20** ( 2006.01 )  
**A61K 31/136** ( 2006.01 )  
**A61K 31/4439** ( 2006.01 )  
**A61K 31/501** ( 2006.01 )  
**A61K 45/00** ( 2006.01 )  
**A61P 9/06** ( 2006.01 )  
**A61P 19/10** ( 2006.01 )  
**A61P 21/02** ( 2006.01 )  
**A61P 25/04** ( 2006.01 )  
**A61P 25/06** ( 2006.01 )  
**A61P 25/08** ( 2006.01 )  
**A61P 25/24** ( 2006.01 )  
**A61P 29/00** ( 2006.01 )  
**A61P 43/00** ( 2006.01 )  
**C07D 409/14** ( 2006.01 )  
**C07D 417/14** ( 2006.01 )  
**C07D 487/04** ( 2006.01 )  
**C07D 495/04** ( 2006.01 )  
**C07D 495/14** ( 2006.01 )  
**C07D 513/04** ( 2006.01 )  
**(87)** WO2022/211060  
**(31)** 2021-062790 **(32)** 01.04.21 **(33)** JP  
**(43)** 06.10.2022  
**(72)** YOSHIDA, Atsushi; HYAKUTAKE, Ry-  
 uichi; NAGASHIMA, Nozomu; MISU,  
 Ryosuke; MORI, Shohei  
**(74)** Spruson & Ferguson  


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**(71)** ORPHAGEN PHARMACEUTICALS,  
 INC.  
**(11)** AU-A-2022243555  
**(21)** 2022243555 **(22)** 25.03.2022  
**(54)** PYRAZOLOPYRIMIDINONE COM-  
 POUNDS  
**(51)** Int. Cl.  
**C07D 487/04** ( 2006.01 )  


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**(71)** ORTHOFIX US LLC  
**(11)** AU-A-2022245125  
**(21)** 2022245125 **(22)** 15.03.2022  
**(54)** SPINAL INTERBODY DEVICES WITH  
 DENSITY GRADIENTS AND ASSOCI-  
 ATED METHODS  
**(51)** Int. Cl.  
**A61F 2/44** ( 2006.01 )  
**A61B 17/70** ( 2006.01 )  
**A61F 2/28** ( 2006.01 )  
**(87)** WO2022/203900  
**(31)** 17/208,546 **(32)** 22.03.21 **(33)** US  
**(43)** 29.09.2022  
**(72)** FANG, Samuel; BRAITHWAITE, East-  
 on; DEWILLIE, Brian  
**(74)** FB Rice Pty Ltd  


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**(71)** OSE IMMUNOTHERAPEUTICS  
**(11)** AU-A-2022253351  
**(21)** 2022253351 **(22)** 08.04.2022  
**(54)** NEW SCAFFOLD FOR BIFUNCTION-  
 AL MOLECULES WITH IMPROVED  
 PROPERTIES  
**(51)** Int. Cl.  
**C07K 16/28** ( 2006.01 )  
**A61K 38/20** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07K 14/54** ( 2006.01 )  
**C07K 14/55** ( 2006.01 )  
**C12N 15/13** ( 2006.01 )  
**C12N 15/62** ( 2006.01 )  
**(87)** WO2022/214653  
**(31)** 21305462.0 **(32)** 09.04.21 **(33)** EP  
 21200350.3 30.09.21 EP  
**(43)** 13.10.2022  
**(72)** POIRIER, Nicolas; MORELLO, Aurore;  
 MARY, Caroline; SEITÉ, Margaux  
**(74)** PHILLIPS ORMONDE FITZPATRICK  


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**(71)** OTSUKA PHARMACEUTICAL FACT-  
 ORY, INC.  
**(11)** AU-A-2022250169  
**(21)** 2022250169 **(22)** 30.03.2022  
**(54)** MULTILAYER FILM AND LIQUID  
 AGENT CONTAINER  
**(51)** Int. Cl.  
**B32B 27/32** ( 2006.01 )  
**B32B 27/00** ( 2006.01 )  
**B32B 27/36** ( 2006.01 )  
**B65D 65/40** ( 2006.01 )  
**(87)** WO2022/210899  
**(31)** 2021-063708 **(32)** 02.04.21 **(33)** JP  
**(43)** 06.10.2022  
**(72)** TOKIEDA Junji; INOUE Takanori;  
 OTANI Shingo; KAJIHARA Yasuyuki;  
 SHOJI Hidenari  
**(74)** Davies Collision Cave Pty Ltd

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

<p>(71) OURA HEALTH OY (11) AU-A-2022246657 (21) 2022246657 (22) 31.03.2022 (54) ANOVULATORY CYCLE DETECTION FROM WEARABLE-BASED PHYSIOLOGICAL DATA (51) Int. Cl. A61B 10/00 ( 2006.01 ) G16H 50/20 ( 2018.01 ) (87) WO2022/212739 (31) 63/169,314 (32) 01.04.21 (33) US 17/709,736 31.03.22 US (43) 06.10.2022 (72) THIGPEN, Nina; GOTLIEB, Neta; PHO, Gerald; ASCHBACHER, Kirstin (74) Spruson &amp; Ferguson</p>	<p>(31) 63/169,314 (32) 01.04.21 (33) US 17/710,013 31.03.22 US (43) 06.10.2022 (72) THIGPEN, Nina; GOTLIEB, Neta; PHO, Gerald; ASCHBACHER, Kirstin; NOUJAIM, Cristina (74) Spruson &amp; Ferguson</p>	<p>(87) WO2022/204756 (31) 2021900937 (32) 30.03.21 (33) AU (43) 06.10.2022 (72) SCHLAM, Ryan (74) Griffith Hack</p>
<p>(71) OURA HEALTH OY (11) AU-A-2022246658 (21) 2022246658 (22) 31.03.2022 (54) PREGNANCY DETECTION FROM WEARABLE-BASED PHYSIOLOGICAL DATA (51) Int. Cl. A61B 5/00 ( 2006.01 ) A61B 5/01 ( 2006.01 ) A61B 5/024 ( 2006.01 ) A61B 5/08 ( 2006.01 ) (87) WO2022/212744 (31) 63/169,314 (32) 01.04.21 (33) US 17/709,938 31.03.22 US (43) 06.10.2022 (72) THIGPEN, Nina; GOTLIEB, Neta; PHO, Gerald; ASCHBACHER, Kirstin (74) Spruson &amp; Ferguson</p>	<p>(71) OURA HEALTH OY (11) AU-A-2022249148 (21) 2022249148 (22) 31.03.2022 (54) MISCARRIAGE IDENTIFICATION AND PREDICTION FROM WEARABLE-BASED PHYSIOLOGICAL DATA (51) Int. Cl. A61B 5/01 ( 2006.01 ) (87) WO2022/212755 (31) 63/169,314 (32) 01.04.21 (33) US 17/710,045 31.03.22 US (43) 06.10.2022 (72) THIGPEN, Nina Nicole; GOTLIEB, Neta A.; PHO, Gerald; ASCHBACHER, Kirstin Elizabeth (74) Spruson &amp; Ferguson</p>	<p>(71) PERSONAL GENOME DIAGNOSTICS INC. (11) AU-A-2022270021 (21) 2022270021 (22) 11.02.2022 (54) SYNTHETIC POLYNUCLEOTIDES AND METHOD OF USE THEREOF IN GENETIC ANALYSIS (51) Int. Cl. C12N 15/09 ( 2006.01 ) C12N 15/10 ( 2006.01 ) C12Q 1/6855 ( 2018.01 ) C12Q 1/686 ( 2018.01 ) C12Q 1/6876 ( 2018.01 ) (87) WO2022/235315 (31) 63/185,732 (32) 07.05.21 (33) US (43) 10.11.2022 (72) THOMPSON, John; MURPHY, Derek; CERQUEIRA, Gustavo; MADDOX, Cindy; KEEFER, Laurel (74) PHILLIPS ORMONDE FITZPATRICK</p>
<p>(71) OURA HEALTH OY (11) AU-A-2022249145 (21) 2022249145 (22) 31.03.2022 (54) FERTILITY PREDICTION FROM WEARABLE-BASED PHYSIOLOGICAL DATA (51) Int. Cl. A61B 10/00 ( 2006.01 ) G16H 50/20 ( 2018.01 ) (87) WO2022/212741 (31) 63/169,314 (32) 01.04.21 (33) US 17/709,773 31.03.22 US (43) 06.10.2022 (72) THIGPEN, Nina; GOTLIEB, Neta; PHO, Gerald; ASCHBACHER, Kirstin (74) Spruson &amp; Ferguson</p>	<p>(71) OURA HEALTH OY (11) AU-A-2022252334 (21) 2022252334 (22) 31.03.2022 (54) PREGNANCY-RELATED COMPLICATION IDENTIFICATION AND PREDICTION FROM WEARABLE-BASED PHYSIOLOGICAL DATA (51) Int. Cl. A61B 5/01 ( 2006.01 ) A61B 5/00 ( 2006.01 ) (87) WO2022/212758 (31) 63/169,314 (32) 01.04.21 (33) US 17/710,095 31.03.22 US (43) 06.10.2022 (72) THIGPEN, Nina; GOTLIEB, Neta; PHO, Gerald; ASCHBACHER, Kirstin (74) Spruson &amp; Ferguson</p>	<p>(71) PIKE THERAPEUTICS INC., 1219014 B.C. LTD (11) AU-A-2022255944 (21) 2022255944 (22) 07.04.2022 (54) PHARMACEUTICAL COMPOSITION AND METHOD FOR TREATING SEIZURE DISORDERS (51) Int. Cl. A61K 31/05 ( 2006.01 ) A61K 9/00 ( 2006.01 ) A61K 9/70 ( 2006.01 ) A61P 25/08 ( 2006.01 ) C07C 39/23 ( 2006.01 ) (87) WO2022/215030 (31) 17/225,654 (32) 08.04.21 (33) US (43) 13.10.2022 (72) PLAKOGIANNIS, Fotios M.; LATHER, Tamanna; MODI, Nisarg; BOROVINSKAYA, Marina (74) Eagar &amp; Associates Pty Ltd</p>
<p>(71) OURA HEALTH OY (11) AU-A-2022249147 (21) 2022249147 (22) 31.03.2022 (54) LABOR ONSET AND BIRTH IDENTIFICATION AND PREDICTION FROM WEARABLE-BASED PHYSIOLOGICAL DATA (51) Int. Cl. A61B 5/01 ( 2006.01 ) A61B 5/00 ( 2006.01 ) A61B 5/024 ( 2006.01 ) A61B 5/08 ( 2006.01 ) (87) WO2022/212750</p>	<p>(71) OXFORD BIODYNAMICS PLC (11) AU-A-2022230780 (21) 2022230780 (22) 03.03.2022 (54) CHROMOSOME INTERACTION MARKERS (51) Int. Cl. C12Q 1/6883 ( 2018.01 ) C12Q 1/6886 ( 2018.01 ) (87) WO2022/185062 (31) 63/156,659 (32) 04.03.21 (33) US 63/282,284 23.11.21 US (43) 09.09.2022 (72) RAMADASS, Aroul Selvam; HUNTER, Ewan; AKOULITCHEV, Alexandre (74) ALLENS PATENT &amp; TRADE MARK ATTORNEYS</p>	<p>(71) PIONEER HI-BRED INTERNATIONAL, INC. (11) AU-A-2022266783 (21) 2022266783 (22) 27.04.2022 (54) CLUBROOT RESISTANCE IN BRASSICA (51) Int. Cl. C12N 15/82 ( 2006.01 ) (87) WO2022/232258 (31) 63/181,608 (32) 29.04.21 (33) US (43) 03.11.2022 (72) ATWOOD, Sarah; BOHN, Jennifer; CHILAKAMARRI, Sunita R.; FALAK, Igor; HUANG, Xliuqiang; JETTY, Siva S. Ammiraju; JOBGEN, Scott Charles (74) Oxygene IP</p>
<p>(71) PAYLOAD INDUSTRIES PTY LTD (11) AU-A-2022251145 (21) 2022251145 (22) 30.03.2022 (54) AN EXCAVATOR BUCKET (51) Int. Cl. E02F 3/40 ( 2006.01 ) E02F 3/14 ( 2006.01 )</p>	<p>(71) PAYLOAD INDUSTRIES PTY LTD (11) AU-A-2022251145 (21) 2022251145 (22) 30.03.2022 (54) AN EXCAVATOR BUCKET (51) Int. Cl. E02F 3/40 ( 2006.01 ) E02F 3/14 ( 2006.01 )</p>	<p>(71) CLUBROOT RESISTANCE IN BRASSICA (51) Int. Cl. C12N 15/82 ( 2006.01 ) (87) WO2022/232258 (31) 63/181,608 (32) 29.04.21 (33) US (43) 03.11.2022 (72) ATWOOD, Sarah; BOHN, Jennifer; CHILAKAMARRI, Sunita R.; FALAK, Igor; HUANG, Xliuqiang; JETTY, Siva S. Ammiraju; JOBGEN, Scott Charles (74) Oxygene IP</p>

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

- (71) PLOTLOGIC PTY LTD  
(11) AU-A-2022313688  
(21) 2022313688 (22) 18.07.2022  
(54) GEOLOGICAL SURFACE-SCANNING APPARATUS  
(51) Int. Cl.  
G01S 7/481 ( 2006.01 )  
G01J 3/02 ( 2006.01 )  
G01J 3/42 ( 2006.01 )  
G01N 21/17 ( 2006.01 )  
G01N 21/954 ( 2006.01 )  
G01S 17/04 ( 2020.01 )  
G01V 8/10 ( 2006.01 )  
G01V 8/14 ( 2006.01 )  
(87) WO2023/000021  
(31) 2021104296 (32) 19.07.21 (33) AU  
(43) 26.01.2023  
(72) JOB, Andrew; EDGAR, Michael; AUAD, Marina; GARLAN, Matthew  
(74) Spruson & Ferguson
- 
- (71) POLYPLAS INTERNATIONAL PTY LTD  
(11) AU-A-2022226005  
(21) 2022226005 (22) 28.02.2022  
(54) MODULAR FRAMING SYSTEM  
(51) Int. Cl.  
E04B 1/19 ( 2006.01 )  
E04B 1/18 ( 2006.01 )  
E04C 3/04 ( 2006.01 )  
F16B 12/50 ( 2006.01 )  
(87) WO2022/178596  
(31) 2021900523 (32) 26.02.21 (33) AU  
2021901267 29.04.21 AU  
(43) 01.09.2022  
(72) LUSCOMBE, Peter; WONG, Daryl  
(74) Argon IP Advisory Pty Ltd
- 
- (71) PPC BROADBAND FIBER LTD.  
(11) AU-A-2022249157  
(21) 2022249157 (22) 31.03.2022  
(54) WINDOW CUTTING TOOL FOR MULTI-FIBER CABLE  
(51) Int. Cl.  
G02B 6/44 ( 2006.01 )  
(87) WO2022/212800  
(31) 63/169,195 (32) 31.03.21 (33) US  
(43) 06.10.2022  
(72) ETHERIDGE, Harvey; TREZISE, Shaun  
(74) Adams Pluck
- 
- (71) PRC-DESOTO INTERNATIONAL, INC.  
(11) AU-A-2022229530  
(21) 2022229530 (22) 04.03.2022  
(54) CORROSION INHIBITING COATING COMPOSITIONS  
(51) Int. Cl.  
C09D 5/08 ( 2006.01 )  
C09D 5/44 ( 2006.01 )  
C09D 7/48 ( 2018.01 )  
(87) WO2022/187845  
(31) 63/157,062 (32) 05.03.21 (33) US  
(43) 09.09.2022  
(72) FERLIC, Megan Elizabeth; DACKO, Christopher Andrew; MCQUOWN, Stephen Glenn; YETTER, JR., John Robert; MAYO, Michael Allen; FURAR, Elizabeth Anne; HILS, Cedric John;  
MARTIN, Justin Jonathan; LIM, Mary Lyn Chong  
(74) Minter Ellison
- 
- (71) PRC-DESOTO INTERNATIONAL, INC.  
(11) AU-A-2022230472  
(21) 2022230472 (22) 04.03.2022  
(54) COATING COMPOSITIONS COMPRISING A POLYSULFIDE CORROSION INHIBITOR  
(51) Int. Cl.  
C09D 5/08 ( 2006.01 )  
C09D 5/44 ( 2006.01 )  
C09D 7/48 ( 2018.01 )  
(87) WO2022/187844  
(31) 63/157,099 (32) 05.03.21 (33) US  
(43) 09.09.2022  
(72) FURAR, Elizabeth Anne; FERLIC, Megan Elizabeth; DACKO, Christopher Andrew; MCQUOWN, Stephen Glenn; YETTER, JR., John Robert; HILS, Cedric John; MARTIN, Justin Jonathan; LIM, Mary Lyn Chong  
(74) Minter Ellison
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- (71) PRC-DESOTO INTERNATIONAL, INC.  
(11) AU-A-2022252479  
(21) 2022252479 (22) 14.03.2022  
(54) HYBRID DUAL CURE COMPOSITIONS  
(51) Int. Cl.  
C08G 75/045 ( 2016.01 )  
C08G 59/50 ( 2006.01 )  
C08G 59/66 ( 2006.01 )  
C08L 81/02 ( 2006.01 )  
C09D 181/02 ( 2006.01 )  
(87) WO2022/213016  
(31) 63/200,780 (32) 29.03.21 (33) US  
(43) 06.10.2022  
(72) FU, Na; SRIVATSAN, Nagarajan; PENG, Shane Xiufeng  
(74) Minter Ellison
- 
- (71) PRC-DESOTO INTERNATIONAL, INC.  
(11) AU-A-2022253329  
(21) 2022253329 (22) 08.04.2022  
(54) ULTRA-VIOLET RESISTANT COATING COMPOSITION  
(51) Int. Cl.  
C09D 5/33 ( 2006.01 )  
C08K 3/04 ( 2006.01 )  
C09D 5/03 ( 2006.01 )  
C09D 7/61 ( 2018.01 )  
C08K 3/22 ( 2006.01 )  
(87) WO2022/217279  
(31) 63/172,611 (32) 08.04.21 (33) US  
(43) 13.10.2022  
(72) TANG, Guangliang; KHUDIAKOV, Mikhail; YE, Zhen  
(74) Minter Ellison
- 
- (71) PRECISION PLANTING LLC  
(11) AU-A-2022275210  
(21) 2022275210 (22) 05.04.2022  
(54) AIR SEEDER ROW UNITS, SEEDING IMPLEMENTS, AND RELATED METHODS  
(51) Int. Cl.  
A61B 49/06 ( 2006.01 )  
A61B 63/111 ( 2006.01 )  
A61B 63/32 ( 2006.01 )  
A61C 7/08 ( 2006.01 )  
A61C 7/20 ( 2006.01 )  
(87) WO2022/238775  
(31) 63/187,069 (32) 11.05.21 (33) US  
(43) 17.11.2022  
(72) FRANK, William  
(74) Griffith Hack
- 
- (71) PRIA VOID GMBH  
(11) AU-A-2022241923  
(21) 2022241923 (22) 22.03.2022  
(54) USE OF D-ENANTIOMERIC PEPTIDE LIGANDS OF MONOMERIC  $\alpha$ -SYNUCLEIN FOR THE THERAPY OF VARIOUS SYNUCLEINOPATHIES  
(51) Int. Cl.  
A61K 38/10 ( 2006.01 )  
A61P 25/28 ( 2006.01 )  
(87) WO2022/200327  
(31) 10 2021 107 061.9 (32) 22.03.21 (33) DE  
(43) 29.09.2022  
(72) WILLBOLD, Dieter; MOHRLÜDER, Jeannine; SEVENICH, Marc; ALTENDORF, Tim; SANTUR, Karoline Bianka  
(74) PHILLIPS ORMONDE FITZPATRICK
- 
- (71) PROTAGONIST THERAPEUTICS, INC.  
(11) AU-A-2022249095  
(21) 2022249095 (22) 31.03.2022  
(54) CONJUGATED HEPICIDIN MIMETICS  
(51) Int. Cl.  
C07K 7/64 ( 2006.01 )  
A61P 3/02 ( 2006.01 )  
C07K 7/06 ( 2006.01 )  
C07K 7/50 ( 2006.01 )  
C07K 7/52 ( 2006.01 )  
C07K 7/54 ( 2006.01 )  
(87) WO2022/212696  
(31) 63/169,527 (32) 01.04.21 (33) US  
63/169,533 01.04.21 US  
63/169,538 01.04.21 US  
63/325,323 30.03.22 US  
(43) 06.10.2022  
(72) BHANDARI, Ashok; ZHANG, Jie; BOURNE, Gregory Thomas; SMYTHE, Mark Leslie; TRAN, Tran Trung; ROOPA, Taranath  
(74) Davies Collison Cave Pty Ltd
- 
- (71) PROTAGONIST THERAPEUTICS, INC.  
(11) AU-A-2022249097  
(21) 2022249097 (22) 31.03.2022  
(54) CONJUGATED HEPICIDIN MIMETICS  
(51) Int. Cl.  
C07K 7/50 ( 2006.01 )  
A61P 3/02 ( 2006.01 )  
C07K 7/52 ( 2006.01 )  
C07K 7/54 ( 2006.01 )  
C07K 7/64 ( 2006.01 )  
C07K 14/575 ( 2006.01 )  
(87) WO2022/212700  
(31) 63/169,545 (32) 01.04.21 (33) US  
63/325,328 30.03.22 US

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

- (43) 06.10.2022  
 (72) BOURNE, Gregory Thomas; BHANDARI, Ashok  
 (74) Davies Collison Cave Pty Ltd
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- (71) PULSE BIOSCIENCES, INC.  
 (11) AU-A-2022263951  
 (21) 2022263951 (22) 18.03.2022  
 (54) CIRCUMFERENTIAL ABLATION DEVICES AND METHODS  
 (51) Int. Cl.  
**A61B 18/14** ( 2006.01 )  
 (87) WO2022/231726  
 (31) 63/180,022 (32) 26.04.21 (33) US  
 63/253,119 06.10.21 US  
 (43) 03.11.2022  
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**A61D 7/00** ( 2006.01 )  
**A61M 5/30** ( 2006.01 )  
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**G01N 1/00** ( 2006.01 )  
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**B29D 11/00** ( 2006.01 )  
**G02B 3/00** ( 2006.01 )  
**G02B 27/00** ( 2006.01 )  
**G02C 7/02** ( 2006.01 )  
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 A61K 45/06 ( 2006.01 )  
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 (54) POLYNUCLEOTIDE COMPOSITIONS,  
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 (51) Int. Cl.  
 A61K 9/51 ( 2006.01 )  
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 A61K 9/12 ( 2006.01 )  
 A61K 47/24 ( 2006.01 )  
 A61K 48/00 ( 2006.01 )  
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 (54) POLYNUCLEOTIDE COMPOSITIONS,  
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 (51) Int. Cl.  
 C12N 15/11 ( 2006.01 )  
 A61K 9/00 ( 2006.01 )  
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 B22D 41/22 ( 2006.01 )  
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**A61P 11/00** ( 2006.01 )  
**B82Y 5/00** ( 2011.01 )  
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 (54) WATER TREATMENT MODULES AND METHOD OF USE THEREOF  
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**C02F 1/28** ( 2023.01 )  
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 (54) AN INHALER MONITORING DEVICE  
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**G06Q 30/00** ( 2023.01 )  
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 (54) SUBSTRATE FOR IMMOBILIZING SUBSTANCE, AND USE THEREOF  
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**G01N 33/547** ( 2006.01 )  
**C12M 1/00** ( 2006.01 )  
**G01N 21/63** ( 2006.01 )  
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 (51) Int. Cl.  
**A44C 5/02** ( 2006.01 )  
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 (54) QUAT-FREE POWDERED DISINFECTANT/SANITIZER  
 (51) Int. Cl.  
*A01N 25/12* ( 2006.01 )  
*A01N 37/16* ( 2006.01 )  
*A01N 59/00* ( 2006.01 )  
*A01N 59/02* ( 2006.01 )  
*A01N 59/14* ( 2006.01 )  
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*A01P 1/00* ( 2006.01 )  
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 (72) SIMMONS, Ryan, Alexander  
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 (54) GASKET APPARATUS AND METHOD OF FORMING  
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*F16J 15/08* ( 2006.01 )  
*F16L 23/20* ( 2006.01 )  
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 (72) PATON, Mark D  
 (74) Michael Buck IP

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 (54) ALK-5 INHIBITORS AND USES THEREOF  
 (51) Int. Cl.  
*A61K 31/502* ( 2006.01 )  
*A61K 31/44* ( 2006.01 )  
*A61K 31/4427* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
*C07D 213/74* ( 2006.01 )  
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 (72) FRANZ, Bettina; SIDDIQUI-JAIN, Adam; WARNER, Steven, L.  
 (74) FPA Patent Attorneys Pty Ltd

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 (21) 2022253074 (22) 08.04.2022  
 (54) TAAR1 AND SEROTONIN MODULATORS, AND PHARMACEUTICAL COMPOSITIONS, AND METHODS OF USE THEREOF  
 (51) Int. Cl.  
*A61K 31/335* ( 2006.01 )  
*A61K 31/357* ( 2006.01 )  
*A61K 31/4353* ( 2006.01 )  
*C07D 313/10* ( 2006.01 )  
*C07D 313/12* ( 2006.01 )  
*C07D 471/04* ( 2006.01 )  
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 (72) HODGETTS, Kevin, Julian; XIE, Ling-hong  
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*A23L 2/52* ( 2006.01 )  
*A23L 33/105* ( 2016.01 )  
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 (54) SOLID COMPOSITION HAVING GREEN LAVENDER SCENT  
 (51) Int. Cl.  
*A23F 3/30* ( 2006.01 )  
*A23F 3/16* ( 2006.01 )

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 (72) OSANAI, Taisuke  
 (74) Davies Collison Cave Pty Ltd

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 (54) SOLID COMPOSITION HAVING FLORAL SCENT  
 (51) Int. Cl.  
*A23L 5/00* ( 2016.01 )  
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*A23L 2/56* ( 2006.01 )  
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 (72) OSANAI, Taisuke  
 (74) Davies Collison Cave Pty Ltd

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 (54) COMPOSITION FOR IMPROVING BLOOD CHOLESTEROL LEVEL  
 (51) Int. Cl.  
*A23L 33/175* ( 2016.01 )  
*A61K 31/4164* ( 2006.01 )  
*A61P 3/06* ( 2006.01 )  
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 (31) 2021-074318 (32) 26.04.21 (33) JP  
 (43) 03.11.2022  
 (72) KATSUBE, Makoto; WATANABE, Hiroshi; MURAYAMA, Norihito  
 (74) Davies Collison Cave Pty Ltd

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 (54) COMPOSITION FOR STIMULATING IMMUNE CELL METABOLISM  
 (51) Int. Cl.  
*A61K 31/4172* ( 2006.01 )  
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*A61P 35/00* ( 2006.01 )  
*A61P 37/04* ( 2006.01 )  
*A61P 43/00* ( 2006.01 )  
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 (72) KATSUBE, Makoto; WATANABE, Hiroshi; OZAWA, Mariko  
 (74) Davies Collison Cave Pty Ltd

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*A23L 33/175* ( 2016.01 )  
*A61K 31/4172* ( 2006.01 )  
*A61K 36/07* ( 2006.01 )  
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 (54) COMPOSITION FOR INCREASING LEUKOCYTES AND/OR BASOPHILS  
 (51) Int. Cl.  
 A23L 33/175 ( 2016.01 )  
 A61K 31/4172 ( 2006.01 )  
 A61P 37/04 ( 2006.01 )
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 (51) Int. Cl.  
 A61K 31/4172 ( 2006.01 )  
 A23L 33/175 ( 2016.01 )  
 A61P 3/00 ( 2006.01 )  
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 A61P 7/00 ( 2006.01 )  
 A61P 7/06 ( 2006.01 )  
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 (54) DELIVERY DEVICE FOR ADMINISTERING FLUID TO AN EYE  
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 A61F 9/00 ( 2006.01 )  
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 B01D 53/00 ( 2006.01 )  
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 B01D 53/62 ( 2006.01 )  
 B01J 20/00 ( 2006.01 )
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 C07D 417/04 ( 2006.01 )  
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 A01N 43/80 ( 2006.01 )  
 A01N 25/02 ( 2006.01 )  
 A01N 25/08 ( 2006.01 )  
 A01P 7/00 ( 2006.01 )
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 (54) HERBICIDAL COMPOUNDS  
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 A61K 35/74 ( 2015.01 )  
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 A61P 3/00 ( 2006.01 )  
 C07K 14/195 ( 2006.01 )  
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 E06B 9/54 ( 2006.01 )  
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**(51)** Int. Cl.  
**B65D 65/46** ( 2006.01 )  
**A47J 31/40** ( 2006.01 )  
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**(72)** KUHL, Norbert  
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**(21)** 2022246282 **(22)** 24.03.2022  
**(54)** RNF4 TARGETING COMPOUNDS AND USES THEREOF  
**(51)** Int. Cl.  
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**(51)** Int. Cl.  
**A61K 51/04** ( 2006.01 )  
**A61K 51/08** ( 2006.01 )  
**C07B 59/00** ( 2006.01 )  
**C07F 7/12** ( 2006.01 )  
**A61K 101/02** ( 2006.01 )  
**A61K 103/30** ( 2006.01 )  
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**(72)** WESTER, Hans-Jürgen; PARZINGER, Mara; FAHNAUER, Markus Frederik  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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**(51)** Int. Cl.  
**H01M 4/04** ( 2006.01 )  
**H01M 4/131** ( 2010.01 )  
**H01M 4/133** ( 2010.01 )  
**H01M 4/134** ( 2010.01 )  
**H01M 4/66** ( 2006.01 )  
**H01M 4/70** ( 2006.01 )  
**H01M 10/04** ( 2006.01 )  
**H01M 10/0525** ( 2010.01 )  
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**H01M 50/533** ( 2021.01 )  
**H01M 50/536** ( 2021.01 )  
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**(72)** SUBRAMANIAN, Aditya; FAUTEUX, Denis Gaston; GENG, Dan; LI, Jin Wei  
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**(54)** A DEVICE FOR SHIELDING AT LEAST ONE QUANTUM COMPONENT  
**(51)** Int. Cl.  
**H01L 23/552** ( 2006.01 )  
**B82Y 10/00** ( 2011.01 )  
**G06N 10/00** ( 2022.01 )  
**H01L 23/38** ( 2006.01 )  
**H01L 29/66** ( 2006.01 )  
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**(74)** PHILLIPS ORMONDE FITZPATRICK
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**(11)** AU-A-2022256751  
**(21)** 2022256751 **(22)** 12.04.2022  
**(54)** RENDERING OF OCCLUDED AUDIO ELEMENTS  
**(51)** Int. Cl.  
**H04S 7/00** ( 2006.01 )  
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**(72)** FALK, Tommy; DE BRUIJN, Werner  
**(74)** AJ PARK
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**(54)** SPATIALLY-BOUNDED AUDIO ELEMENTS WITH DERIVED INTERIOR REPRESENTATION  
**(51)** Int. Cl.  
**H04S 7/00** ( 2006.01 )  
**H04R 5/027** ( 2006.01 )  
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**(74)** AJ PARK
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**(54)** ADJUSTMENT BASED LOCAL ILLUMINATION COMPENSATION  
**(51)** Int. Cl.  
**H04N 19/172** ( 2014.01 )  
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**(74)** PHILLIPS ORMONDE FITZPATRICK
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**(51)** Int. Cl.  
**H04N 19/52** ( 2014.01 )  
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**(72)** ZHAO, Liang; ZHAO, Xin; LIU, Shan  
**(74)** Davies Collison Cave Pty Ltd
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**(11)** AU-A-2022228569  
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**(54)** THYROID HORMONE RECEPTOR BETA AGONIST COMPOUNDS  
**(51)** Int. Cl.  
**A61K 31/4184** ( 2006.01 )  
**C07D 235/04** ( 2006.01 )  
**C07D 235/06** ( 2006.01 )  
**C07D 403/12** ( 2006.01 )  
**(87)** WO2022/187403  
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**(51)** Int. Cl.  
**A61N 1/05** ( 2006.01 )  
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*C08G 18/00* ( 2006.01 )  
*C08L 75/00* ( 2006.01 )  
*C09D 175/00* ( 2006.01 )  
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G01N 33/53 ( 2006.01 )  
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B01D 53/047 ( 2006.01 )  
C01B 3/50 ( 2006.01 )  
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 (74) Patent Attorney Services
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**C02F 1/44** ( 2023.01 )  
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2021430668	TAROKO DOOR & WINDOW TECHNOLOGIES, INC.	2022229020	CJ CHEILJEDANG CORPORATION
2021431053	RAYNER INTRAOCULAR LENSES LIMITED	2022229275	AKEBIA THERAPEUTICS, INC.
2021432633	KIMBERLY-CLARK WORLDWIDE, INC.	2022229530	PRC-DESOTO INTERNATIONAL, INC.
2021433069	GENERAL MILLS, INC.	2022229617	CJ CHEILJEDANG CORPORATION
2021435844	HUAWEI DIGITAL POWER TECHNOLOGIES CO., LTD.	2022229687	AUSSAN LABORATORIES PTY LTD
2021436402	SHIMADZU CORPORATION	2022229818	ENVOY MEDICAL CORPORATION
2021436642	ABB SCHWEIZ AG	2022229835	CAELI ENERGIE
2021436754	HANGZHOU APELOA MEDICINE RESEARCH INSTITUTE CO., LTD.; APELOA PHARMACEUTICAL CO., LTD.	2022229867	TIHIVE
2021437529	JFE STEEL CORPORATION	2022229922	ARCHER-DANIELS-MIDLAND COMPANY
2021437808	JFE STEEL CORPORATION	2022230013	SHANGHAI JEMINCARE PHARMACEUTICAL CO., LTD.; JIANGXI JEMINCARE GROUP CO., LTD
2021437857	GÖTZE, J.	2022230060	SELLE ROYAL GROUP S.P.A.
2021438040	XUZHOU HEAVY MACHINERY CO., LTD.	2022230245	JELLAGEN LTD
2021438150	QINGDAO HAIER REFRIGERATOR CO., LTD.; HAIER SMART HOME CO., LTD.	2022230329	ARIEL SCIENTIFIC INNOVATIONS LTD.
2021439254	INNOMOTICS GMBH	2022230472	PRC-DESOTO INTERNATIONAL, INC.
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2021440994	METSO FINLAND OY	2022231432	WHISPER AERO INC.
2021443688	TECHTRONIC CORDLESS GP	2022231622	EQUINOR ENERGY AS
2021443789	BYD COMPANY LIMITED	2022231890	UPL CORPORATION LIMITED; UPL EUROPE LTD.
2021444041	ESSITY HYGIENE AND HEALTH AKTIEBOLAG	2022232309	AVEDRO, INC.
2021445786	THESS PTY LTD	2022232548	GENEQUANTUM HEALTHCARE (SUZHOU) CO., LTD.
2021448648	CNGR ADVANCED MATERIAL CO., LTD.; CHANGSHA ZHUORUI METALLURGY ENVIRONMENT TECHNOLOGY DEVELOPMENT CO., LTD.	2022232622	EMENDOBIO INC.
2021448675	HALLIBURTON ENERGY SERVICES, INC.	2022232642	DOMINGOS, J.
2021449023	MITSUBISHI ELECTRIC CORPORATION	2022232674	GENEQUANTUM HEALTHCARE (SUZHOU) CO., LTD.; BRIGHTGENE BIO-MEDICAL TECHNOLOGY CO., LTD.
2021452757	HALLIBURTON ENERGY SERVICES, INC.	2022232903	COBIO DIAGNOSTICS INC.
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2022222149	KYOTO UNIVERSITY; NISSEY DELICA CORP.	2022233141	RENEW HEALTH LIMITED
2022222977	KYOTO UNIVERSITY; NISSEY DELICA CORP.	2022233194	NEXT LEVEL RACING SIMULATIONS PTY LTD
2022223531	JANSSSEN BIOTECH, INC.	2022233684	SIKAVELIS, F.
2022225054	ncdh Group AG	2022233700	HUBER+SUHNER AG
2022225093	TEKNOLOGIAN TUTKIMUSKESKUS VTT OY	2022233849	AKERSHUS UNIVERSITETSSYKEHUS HF
2022225664	MOV'NTEC; ADELINE, V.	2022233852	BIOINVENT INTERNATIONAL AB; UNIVERSITY OF SOUTHAMPTON
2022225720	LEVITY CROP SCIENCE LIMITED	2022233957	REDBIOTEC AG
2022225754	ROBERTO DEMEGLIO S.P.A.	2022233992	KIM, Y.
2022225803	WILLOWOOD CHEMICALS LIMITED	2022234175	LG ELECTRONICS INC.
2022225981	BIOZIPCODE, INC.	2022234302	JNANA THERAPEUTICS INC.
2022226005	POLYPLAS INTERNATIONAL PTY LTD	2022234603	LG ELECTRONICS INC.
2022226033	LG ELECTRONICS INC.	2022234797	VENN BIOSCIENCES CORPORATION
2022226241	CHERISH HEALTH, INC.	2022234998	JINAN UNIVERSITY; SHANGHAI INSTITUTE OF ORGANIC CHEMISTRY, CHINESE ACADEMY OF SCIENCES
2022226294	HENKEL AG & CO. KGAA	2022235154	MAREL A/S
2022226332	ARRAY TECHNOLOGIES, INC.	2022236306	IONOMR INNOVATIONS, INC.
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2022226605	EDISON ONCOLOGY	2022236742	COMPO CLOSET LTD
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2022227540	MEDTRONIC, INC.	2022237663	METAGENOMI, INC.
2022227650	ARTISAN DEVELOPMENT LABS, INC.	2022237675	XYZAGEN, INC.
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2022228016	WILLOWOOD CHEMICALS LIMITED	2022238034	NICOVENTURES TRADING LIMITED
2022228244	MICRONIZING TECHNOLOGIES, LLC	2022238796	MANUFACTURING RESOURCES INTERNATIONAL, INC.
2022228368	NEXUS SPINE, LLC	2022238805	MERCK SHARP & DOHME LLC
2022228465	SORKIN, F.	2022238812	AI THERAPEUTICS, INC.
2022228569	TERNIS PHARMACEUTICALS, INC.	2022238918	NORTHWESTERN UNIVERSITY

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2022239614	TRAINED THERAPEUTIX DISCOVERY, INC.; ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	2022245394	PX ING, LLC
2022239859	HEMERA S.R.L.; HUMANITAS MIRASOLE S.P.A.	2022245478	SUNTORY HOLDINGS LIMITED
2022240607	KENYON INTERNATIONAL, INC.	2022245610	RIKEN; R-NANOBIO CO. LTD.
2022240779	XYZAGEN, INC.	2022245724	CHINA MOBILE COMMUNICATION CO., LTD RESEARCH INSTITUTE; CHINA MOBILE COMMUNICATIONS GROUP CO., LTD.
2022240902	MAREL A/S	2022245736	BRIGHTGENE BIO-MEDICAL TECHNOLOGY CO., LTD.; BRIGHTGENE PHARMACEUTICAL (SUZHOU) CO. LTD.
2022241034	TRANSOCEAN SEDCO FOREX VENTURES LIMITED	2022245900	ARIENS COMPANY
2022241366	HOLLOWAY, D.	2022245984	BOSTON DYNAMICS, INC.
2022241385	ADMARE THERAPEUTICS SOCIETY; PROVINCIAL HEALTH SERVICES AUTHORITY; UVIC INDUSTRY PARTNERSHIPS INC.	2022245986	WRIGHT, E.
2022241645	BOSTON DYNAMICS, INC.	2022245991	BIOCONSORTIA, INC.
2022241646	BOSTON DYNAMICS, INC.	2022246019	BINDER GMBH
2022241783	UNIVERSITY OF MASSACHUSETTS	2022246065	RECODE THERAPEUTICS, INC.; THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM
2022241850	SORANUS ARGE VE DANISMANLIK HIZMETLERI SANAYI TICARET ANONIM SIRKETI	2022246077	BECTON, DICKINSON AND COMPANY
2022241881	MILWAUKEE ELECTRIC TOOL CORPORATION	2022246081	HALIA THERAPEUTICS, INC.
2022241914	ACLARIS WATER INNOVATIONS GMBH , LINDAU , ZWEIGNIEDERLASSUNG REBSTEIN	2022246101	MAPLIGHT THERAPEUTICS, INC.
2022241923	PRIAVOID GMBH	2022246137	HENNY PENNY CORPORATION
2022241942	GELITA AG	2022246157	GALVANIZE THERAPEUTICS, INC.
2022241986	BOSTON DYNAMICS, INC.	2022246161	REGENERON PHARMACEUTICALS, INC.
2022241988	NEUROCRINE BIOSCIENCES, INC.	2022246182	BROADRIDGE FINANCIAL SOLUTIONS, INC.
2022241991	CAPITAL ONE SERVICES, LLC	2022246282	TECHNION RESEARCH & DEVELOPMENT FOUNDATION LIMITED
2022242009	KING'S COLLEGE LONDON	2022246301	AR MEDICAL TECHNOLOGIES INCORPORATED
2022242084	DEXTRON TECHNOLOGY LTD	2022246555	SUREDROPS, LLC
2022242109	CUINI, E.	2022246591	LANDIS+GYR TECHNOLOGY, INC.
2022242178	ZINNIA IP NOMINEE PTY LTD	2022246593	JUNO THERAPEUTICS, INC.
2022242666	MADE FOR MOVEMENT GROUP AS	2022246641	PULSE NEEDLEFREE SYSTEMS, INC.; OTSUKA PHARMACEUTICAL CO., LTD.
2022242709	AMPLIFIED GLOBAL LTD.	2022246657	OURA HEALTH OY
2022242740	DUKE UNIVERSITY	2022246658	OURA HEALTH OY
2022242741	BOSTON DYNAMICS, INC.	2022246660	WASHINGTON UNIVERSITY
2022242810	PX ING, LLC	2022246677	BASF CORPORATION
2022242817	RECODE THERAPEUTICS, INC.	2022246680	EVAPCO, INC.
2022242828	RECODE THERAPEUTICS, INC.	2022246687	REGENERON PHARMACEUTICALS, INC.
2022242848	FRIO UK LIMITED	2022246724	UOP LLC
2022242902	ICARUS MEDICAL, LLC	2022246767	CAREFUSION 303, INC.
2022242992	SENSEYE, INC.	2022246825	THE LUBRIZOL CORPORATION
2022243033	Yokogawa Electric Corporation	2022246847	THE REGENTS OF THE UNIVERSITY OF COLORADO, A BODY CORPORATE; ALLIANCE FOR SUSTAINABLE ENERGY, LLC
2022243070	DANTAS JUNIOR, L.	2022246850	JAZZ PHARMACEUTICALS IRELAND LTD.
2022243369	NTT COMMUNICATIONS CORPORATION	2022246851	REJUVENATION TECHNOLOGIES INC.
2022243439	GI BIOME	2022246872	AQUASOURCE TECHNOLOGIES CORPORATION
2022243555	ORPHAGEN PHARMACEUTICALS, INC.	2022246877	BECTON, DICKINSON AND COMPANY
2022243562	THE GENERAL HOSPITAL CORPORATION	2022246898	CORNEACARE, INC.
2022243600	SUMITOMO PHARMA ONCOLOGY, INC.	2022246917	KRYSTAL BIOTECH, INC.
2022243654	Yokogawa Electric Corporation	2022247379	Q-BOT LIMITED
2022243958	NOKIA TECHNOLOGIES OY	2022247382	SEECHANGE TECHNOLOGIES LIMITED
2022243959	INVENTIO AG	2022247418	FERTIS INDIA PVT LTD
2022244220	BOSTON DYNAMICS, INC.	2022247744	SUNTORY HOLDINGS LIMITED
2022244322	DEXTRON TECHNOLOGY LTD	2022248214	INVENTIO AG
2022244381	SYNOLOGIC OPERATING COMPANY, INC.	2022248664	NIPPON SHINYAKU CO., LTD.
2022244467	NOVARTIS AG	2022248726	BASF SE
2022244479	ADAMA MAKHTESHIM LTD.	2022248775	THE UNIVERSITY OF TOKYO; HANAVAX INC.
2022244707	FUJITSU GENERAL LIMITED	2022248996	EMERGING COMPOUNDS TREATMENT TECHNOLOGIES, INC.
2022244773	FUJI OIL HOLDINGS INC.	2022249010	BLOCK, INC.
2022244937	JUMBO DRUG BANK CO., LTD.	2022249055	TUCKER, R.D.
2022245073	INVENTIO AG	2022249092	TRISALUS LIFE SCIENCES, INC.
2022245125	ORTHOFIX US LLC	2022249095	PROTAGONIST THERAPEUTICS, INC.
2022245215	MEMORIAL SLOAN-KETTERING CANCER CENTER; SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH; MEMORIAL HOSPITAL FOR CANCER AND ALLIED DISEASES; STICHTING VUMC	2022249097	PROTAGONIST THERAPEUTICS, INC.
2022245235	APNIMED, INC. (DELAWARE)	2022249112	THE ALFRED E. MANN FOUNDATION FOR SCIENTIFIC RESEARCH
2022245251	GLO PHARMA, INC.	2022249145	OURA HEALTH OY
2022245253	RESPIRATORY ANALYTICS	2022249147	OURA HEALTH OY
2022245292	NEUMIRNA THERAPEUTICS APS	2022249148	OURA HEALTH OY
2022245301	FRANTS, D.	2022249157	PPC BROADBAND FIBER LTD.
2022245306	FREENOME HOLDINGS, INC.		
2022245317	CAPITAL ONE SERVICES, LLC		

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2022249170	STERILEX, LLC	2022254291	BYONDIS B.V.
2022249176	REGENERON PHARMACEUTICALS, INC.	2022254314	BAE SYSTEMS PLC
2022249223	AMBRX, INC.	2022254501	SPECIALTY OPERATIONS FRANCE
2022249259	UOP LLC	2022254619	CAREFUSION 303, INC.
2022249304	BADGER METER, INC.	2022254674	GENENTECH, INC.
2022249318	ENTRADA THERAPEUTICS, INC.	2022254686	DIGITAL SURGERY SYSTEMS, INC.
2022249357	MODERNATX, INC.	2022254693	NORIA ENERGY
2022249365	BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM	2022254727	SEAGEN INC.
2022249397	NOVAFLUX INC.	2022254776	LANZATECH, INC.
2022249402	THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ARKANSAS	2022254777	LANZATECH, INC.
2022249485	FUJITSU GENERAL LIMITED	2022254833	CARBODOWN
2022249709	SYNGENTA CROP PROTECTION AG	2022254888	mitsubishi gas chemical company, inc.
2022249851	UNIVERSITY OF LANCASTER	2022255044	REGENERON PHARMACEUTICALS, INC.
2022250077	ROYAL MELBOURNE INSTITUTE OF TECHNOLOGY; CITY UNIVERSITY OF HONG KONG	2022255065	KUORI OY
2022250169	OTSUKA PHARMACEUTICAL FACTORY, INC.	2022255069	BAE SYSTEMS PLC
2022250316	JIANGSU HENGRUI PHARMACEUTICALS CO., LTD.; SHANGHAI HENGRUI PHARMACEUTICAL CO., LTD.	2022255267	SHANGHAI TAUTO BIOTECH CO., LTD.
2022250360	HUAWEI TECHNOLOGIES CO., LTD.	2022255586	BERLIN CURES GMBH
2022250705	INVENTIO AG	2022255667	CAREFUSION 303, INC.
2022250707	IONCTURA SA	2022255748	LARITZCO INTERNATIONAL CO., LTD.
2022250860	BASF SE	2022255944	PIKE THERAPEUTICS INC., 1219014 B.C. LTD
2022251006	ECOSTAR-NAUTECH CO., LTD	2022255977	NIPPON FIBER CORPORATION
2022251145	PAYLOAD INDUSTRIES PTY LTD	2022256031	10X GENOMICS, INC.
2022251654	DENKA COMPANY LIMITED	2022256043	REGENERON PHARMACEUTICALS, INC.
2022251678	INVENTIO AG	2022256455	VILLARIS THERAPEUTICS, INC.
2022251752	ONO PHARMACEUTICAL CO., LTD.	2022256469	TSCAN THERAPEUTICS, INC.; ACADEMISCH ZIEK-ENHUIS LEIDEN; FERRETTI, A.P.; WANG, Y.; MAC-BEATH, G.; XU, Q.
2022251804	TOSHO, INC.	2022256476	GILEAD SCIENCES, INC.
2022251836	ISI GMBH	2022256509	FIDELITY INFORMATION SERVICES, LLC
2022251870	SANDVIK MINING AND CONSTRUCTION OY	2022256747	DSM IP ASSETS B.V.
2022251931	SYNGENTA CROP PROTECTION AG	2022256751	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)
2022252007	STEEL SPACE CASING DRILLING LTD	2022256804	KEMIRA OYJ
2022252065	BLASTONE TECHNOLOGY PTY LTD	2022256806	CRYMIROTECH
2022252066	TOWNSEND, S.	2022256988	DEBUT BIOTECHNOLOGY, INC.
2022252094	ARRAY BIOPHARMA INC.	2022257122	THOMSON REUTERS ENTERPRISE CENTRE GMBH MA, M.
2022252189	NATUREWORKS LLC	2022257157	DSM IP ASSETS B.V.
2022252220	JUNO THERAPEUTICS, INC.	2022257259	NOVARTIS AG
2022252236	BIOGEN MA INC.	2022257363	LA SAN MARCO S.P.A.
2022252307	ANWITA BIOSCIENCES, INC.	2022257629	MEDGENE THERAPEUTICS, INC.
2022252323	CHEMRING SENSORS & ELECTRONIC SYSTEMS, INC.	2022257812	FRANK, K.
2022252334	OURA HEALTH OY	2022258110	WESTGENE BIOPHARMA CO., LTD.
2022252386	NUTRACEUTICAL WELLNESS, INC.	2022258156	INFINITUM ELECTRIC, INC.
2022252407	THE REGENTS OF THE UNIVERSITY OF CALIFORNIA	2022258192	HUAWEI TECHNOLOGIES CO., LTD.
2022252463	SUNTORY HOLDINGS LIMITED	2022258263	THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
2022252479	PRC-DESOTO INTERNATIONAL, INC.	2022258329	TRUMA GERÄTETECHNIK GMBH & CO. KG
2022252487	UOP LLC	2022258388	CAPSIDA, INC.
2022252615	CANWELL BIOTECH LIMITED	2022258447	ARO BIOTHERAPEUTICS COMPANY
2022253004	THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM; RECODE THERAPEUTICS, INC.	2022258566	ARO BIOTHERAPEUTICS COMPANY
2022253027	REGENERON PHARMACEUTICALS, INC.	2022258584	RDP PHARMA AG; PAGES CO., LTD.
2022253074	SUNOVION PHARMACEUTICALS INC.	2022258682	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)
2022253075	LANZATECH, INC.	2022258764	ETEX AUSTRALIA PTY LTD; ETEX BUILDING PERFORMANCE INTERNATIONAL SAS
2022253213	ZEBRA TECHNOLOGIES CORPORATION	2022258782	ETEX AUSTRALIA PTY LTD; ETEX BUILDING PERFORMANCE INTERNATIONAL SAS
2022253214	BNSF RAILWAY COMPANY	2022258839	MASSACHUSETTS INSTITUTE OF TECHNOLOGY; THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
2022253329	PRC-DESOTO INTERNATIONAL, INC.	2022258870	ETEX AUSTRALIA PTY LTD; ETEX BUILDING PERFORMANCE INTERNATIONAL SAS
2022253338	SYNGENTA CROP PROTECTION AG	2022258988	THOMSON REUTERS ENTERPRISE CENTRE GMBH
2022253350	HAULOTTE GROUP	2022259170	THYAS CO. LTD.
2022253351	OSE IMMUNOTHERAPEUTICS	2022259391	RTX A/S
2022253477	WILLIAM MARSH RICE UNIVERSITY	2022259496	RECURUM IP HOLDINGS, LLC
2022253493	LANZATECH, INC.	2022259545	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V.
2022253524	SIMCERE ZAIMING PHARMACEUTICAL CO., LTD.	2022259589	EDWARDS LIFESCIENCES CORPORATION
2022253533	SIEMENS GAMESA RENEWABLE ENERGY A/S	2022260028	SYNGENTA CROP PROTECTION AG
2022253534	SIEMENS GAMESA RENEWABLE ENERGY A/S	2022260476	FRESENIUS MEDICAL CARE DEUTSCHLAND GMBH
2022253631	RECKITT BENCKISER FINISH B.V.	2022260642	ROLLS-ROYCE SMR LIMITED
2022253886	PUREWICK CORPORATION	2022261060	LUCID SOFTWARE, INC.
2022253950	LANZATECH, INC.	2022261359	NOVO NORDISK A/S; DICERNA PHARMACEUTICALS, INC.
2022254053	UPSIDE FOODS, INC.		
2022254062	FORMA THERAPEUTICS, INC.		

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2022261427	GENFIT	2022274311	REFRACTORY INTELLECTUAL PROPERTY GMBH & CO. KG
2022261713	W. L. GORE & ASSOCIATES, INC.	2022275210	PRECISION PLANTING LLC
2022261717	APPLE INC.	2022275987	IFP ENERGIES NOUVELLES
2022261851	LYV LIFE INC. DBA CORA	2022276027	BOSTON SCIENTIFIC SCIMED, INC.
2022261854	KEMIN INDUSTRIES, INC.	2022276566	KOMET AUSTRIA GMBH
2022261884	ILLINOIS TOOL WORKS INC.	2022277121	JPMORGAN CHASE BANK, N.A.
2022261983	EDWARDS LIFESCIENCES CORPORATION	2022277789	KOMET AUSTRIA GMBH
2022262207	TOPSOE A/S	2022279334	IFP ENERGIES NOUVELLES
2022262355	OMEGA THERAPEUTICS, INC.	2022279410	Shanghai, Tiandi Mining Equipment Technology Co., Ltd; China Coal Technology & Engineering Group Co., Ltd.
2022263167	LG ELECTRONICS INC.	2022279986	BAXTER INTERNATIONAL INC.; BAXTER HEALTH-CARE SA
2022263326	AMGEN INC.	2022280013	BOSTON SCIENTIFIC SCIMED INC.
2022263350	FAIRLIFE, LLC	2022280018	BOEHRINGER INGELHEIM INTERNATIONAL GMBH
2022263851	PURATOS NV	2022280615	HUSQVARNA AB
2022263951	PULSE BIOSCIENCES, INC.	2022280782	BOEHRINGER INGELHEIM INTERNATIONAL GMBH
2022264071	AUSTRALIAN BRUSHWARE CORPORATION PTY LTD	2022281121	DEEPMIND TECHNOLOGIES LIMITED
2022264303	ILLUMINA, INC.; ILLUMINA CAMBRIDGE LIMITED	2022281968	SOCIÉTÉ DES PRODUITS NESTLÉ S.A.
2022264378	AVITA MEDICAL, INC.	2022282381	RAYTHEON COMPANY
2022264379	AVITA MEDICAL, INC.	2022282568	MOLECULAR PLASMA GROUP SA
2022264402	SAMSUNG ELECTRONICS CO., LTD.; FUSEPROJECT	2022283264	E INK CORPORATION
2022264478	ALNYLAM PHARMACEUTICALS, INC.	2022283459	BAXTER INTERNATIONAL INC.; BAXTER HEALTH-CARE SA
2022264758	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC; 3D SYSTEMS, INC.	2022283839	KONKER INNOVATION LTDA.
2022264780	FAIRLIFE, LLC	2022284938	BYD COMPANY LIMITED
2022264802	CITY OF HOPE	2022284987	BYD COMPANY LIMITED
2022265113	SUNTORY HOLDINGS LIMITED	2022286458	BYD COMPANY LIMITED
2022265114	SUNTORY HOLDINGS LIMITED	2022287059	BYD COMPANY LIMITED
2022265430	SUB-DRILL SUPPLY LIMITED	2022287887	OJAI RETINAL TECHNOLOGY, LLC
2022265766	BREVILLE PTY LIMITED	2022287907	HALLIBURTON ENERGY SERVICES, INC.
2022266021	HITACHI ENERGY SWITZERLAND AG	2022288325	COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN
2022266114	TISSIUM S.A.	2022288401	ASAHI KASEI KABUSHIKI KAISHA
2022266164	LUMENIS LTD.	2022288590	COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN
2022266338	SUNTORY HOLDINGS LIMITED	2022288615	HALLIBURTON ENERGY SERVICES, INC.
2022266339	SUNTORY HOLDINGS LIMITED	2022289379	INNOVATECH SYSTEMS, LLC
2022266584	MILLENNIUM PHARMACEUTICALS, INC.	2022290669	ANIMAL ETHICS PTY LTD
2022266591	SMITH & NEPHEW, INC.; SMITH & NEPHEW ORTHOPAEDICS AG; SMITH & NEPHEW ASIA PACIFIC PTE. LIMITED	2022291205	LUXCREO (BEIJING) INC.
2022266783	PIONEER HI-BRED INTERNATIONAL, INC.	2022291348	OJAI RETINAL TECHNOLOGY, LLC
2022266849	OKA ROCK BOLT TECHNOLOGIES PTY LIMITED	2022291366	HALLIBURTON ENERGY SERVICES, INC.
2022267033	SOLAR FOODS OY	2022291838	HALLIBURTON ENERGY SERVICES, INC.
2022267109	SUNTORY HOLDINGS LIMITED	2022292520	BYD COMPANY LIMITED
2022267649	TOPSOE A/S	2022293357	BYD COMPANY LIMITED
2022268613	SOCIÉTÉ DES PRODUITS NESTLÉ S.A.	2022293488	HALLIBURTON ENERGY SERVICES, INC.
2022268645	TOPSOE A/S	2022294663	SAMSUNG ELECTRONICS CO., LTD.
2022268649	LIFTRA IP APS	2022296455	BYD COMPANY LIMITED
2022268862	CAREFUSION 303, INC.	2022297419	C3.AI, INC.
2022269194	SOCIÉTÉ DES PRODUITS NESTLÉ S.A.	2022297925	KOMATSU LTD.
2022269229	F. HOFFMANN-LA ROCHE AG	2022298653	REGENERON PHARMACEUTICALS, INC.
2022269845	SOCIÉTÉ DES PRODUITS NESTLÉ S.A.	2022310189	THE CHEMOURS COMPANY FC, LLC
2022270021	PERSONAL GENOME DIAGNOSTICS INC.	2022311916	THE CHEMOURS COMPANY FC, LLC
2022270331	SOCIÉTÉ DES PRODUITS NESTLÉ S.A.; LUDWIG INSTITUTE FOR CANCER RESEARCH	2022313688	PLOTLOGIC PTY LTD
2022270398	COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN	2022316519	Hindustan Petroleum Corporation Limited
2022270611	ASTELLAS INSTITUTE FOR REGENERATIVE MEDICINE	2022332351	DETNET SOUTH AFRICA (PTY) LTD
2022270686	CONOCOPHILLIPS COMPANY	2022342994	ANYGEN CO., LTD.
2022270963	COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN	2022354117	B. BRAUN MELSUNGEN AG
2022270964	COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN	2022362476	GUO, Q.
2022271139	CAMURUS AB	2022388902	GRAY CONSULTING, INC.
2022271275	KYPHA, INC.	2022405977	LG ELECTRONICS INC.
2022271785	QUALCOMM INCORPORATED	2022406019	LG ELECTRONICS INC.
2022272650	NYKODE THERAPEUTICS ASA	2022408198	SUZHOU INNOVATIVE SPORTS GOODS CO., LTD.
2022272750	LENOVO (SINGAPORE) PTE. LTD.	2022432847	TENCENT AMERICA LLC
2022273184	TECHNISCHE UNIVERSITÄT MÜNCHEN	2022439147	TENCENT AMERICA LLC
		2022439903	NGK INSULATORS, LTD.
		2022440525	NGK INSULATORS, LTD.
		2023201857	Latitude LLC
		2023204173	SUMITOMO ELECTRIC INDUSTRIES, LTD.; SUMITOMO ELECTRIC TOYAMA CO., LTD.

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<b><u>A01M 21 /-</u></b>	<b><u>A01P 21 /-</u></b>	2022236555 2022256747 2022257259	<b><u>A23P 30 /-</u></b>	2022232642	<b><u>A61B 34 /-</u></b>
2022225054	2022225720 2022229687	<b><u>A23K 40 /-</u></b>	2022229020 2022229617	<b><u>A47J 27 /-</u></b>	<b><u>A61B 5 /-</u></b>
<b><u>A01N 25 /-</u></b>	<b><u>A01P 7 /-</u></b>	2022236555	<b><u>A24B 15 /-</u></b>	2022265766	<b><u>A61B 5 /-</u></b>
2022228016 2022231890 2022244479 2022249170 2022251931 2022254501 2022282568	2022228016 2022231890 2022244479 2022251931	<b><u>A23K 50 /-</u></b>	2022238034	<b><u>A47J 31 /-</u></b>	<b><u>A61B 90 /-</u></b>
<b><u>A01N 37 /-</u></b>	<b><u>A21C 11 /-</u></b>	2022236555 2022257259	<b><u>A24D 1 /-</u></b>	2022231389 2022241914 2022257629	2022246555 2022254686 2022280013
2022228016 2022229687 2022249170	2022229020 2022229617	<b><u>A23L 11 /-</u></b>	<b><u>A24D 3 /-</u></b>	<b><u>A47J 37 /-</u></b>	<b><u>A61D 7 /-</u></b>
<b><u>A01N 43 /-</u></b>	<b><u>A21D 2 /-</u></b>	2022244773	2022245301	2022240607 2022246137	2022246641
2022225803 2022227265 2022228016 2022229687 2022231890 2022247418 2022249402 2022249709 2022251931 2022253338 2022260028	2022263851	<b><u>A23L 13 /-</u></b>	<b><u>A24F 13 /-</u></b>	<b><u>A47K 10 /-</u></b>	<b><u>A61F 13 /-</u></b>
<b><u>A23B 4 /-</u></b>	<b><u>A23L 2 /-</u></b>	2022244773	2022245301	2021432633	
2022261854	2022245478 2022252463 2022263350 2022281968	<b><u>A23L 2 /-</u></b>	<b><u>A24F 40 /-</u></b>	<b><u>A47K 11 /-</u></b>	
<b><u>A23C 21 /-</u></b>	<b><u>A23L 27 /-</u></b>	2022231106	2022245301	2022236742	
2022264780	20222231106	<b><u>A23L 27 /-</u></b>	<b><u>A43D 1 /-</u></b>	<b><u>A47L 11 /-</u></b>	
<b><u>A23C 9 /-</u></b>			2022242109	2022242084 2022244322	
2021433069 2022264780			<b><u>A44C 5 /-</u></b>	<b><u>A47L 15 /-</u></b>	
			2022225754	2022261884	

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

2022261851	2022239614	<b><u>A61K 38/-</u></b>	2022256455	<b><u>A61M 1/-</u></b>	<b><u>A61P 13/-</u></b>
<b><u>A61F 2/-</u></b>	2022240779		2022258156		
	2022241988	2022225981	2022258566	2022260476	2022225981
2021431053	2022243555	2022232622	2022258584		2022229275
2022228368	2022243600	2022239051	2022262355	<b><u>A61M 11/-</u></b>	2022239051
2022245125	2022244937	2022241923	2022264478		
2022259589	2022245235	2022241942	2022271139	2022245253	<b><u>A61P 15/-</u></b>
2022261983	2022245292	2022243562	2022283459	2022246555	
	2022246081	2022244381	2022290669	<b><u>A61M 15/-</u></b>	2022243555
<b><u>A61F 5/-</u></b>	2022246101	2022245391	2022298653		<b><u>A61P 17/-</u></b>
	2022246161	2022245736		2022245253	
2022242902	2022246282	2022246161	<b><u>A61K 48/-</u></b>		2022225981
2022253886	2022246687	2022246850		<b><u>A61M 16/-</u></b>	2022230245
2022261851	2022246851	2022246851	2022232622		2022245251
	2022248664	2022252307	2022242817	2022246301	2022252615
<b><u>A61F 7/-</u></b>	2022250316	2022253351	2022242828	<b><u>A61M 25/-</u></b>	2022256043
	2022250707	2022256031	2022244381		
2022249365	2022251752	2022256469	2022246065		<b><u>A61P 19/-</u></b>
<b><u>A61F 9/-</u></b>	2022252094	2022271139	2022246851	2022246877	
	2022252220	2022342994	2022252407	2022253886	2022225981
	2022252386		2022253004	2022259589	2022241942
2022232309	2022252615	<b><u>A61K 39/-</u></b>	2022258447	2022354117	2022248664
2022246555	2022253074				2022251752
2022246898	2022253524	2022223531	<b><u>A61K 51/-</u></b>	<b><u>A61M 35/-</u></b>	2022252615
2022287887	2022254062	2022225981			2022256043
2022291348	2022254674	2022228575	2022257363	2022246555	
	2022255586	2022233957	2022273184		<b><u>A61P 21/-</u></b>
<b><u>A61G 17/-</u></b>	2022255944	2022237225		<b><u>A61M 39/-</u></b>	
	2022256043	2022239051	<b><u>A61K 8/-</u></b>		2022237675
2022242178	2022256747	2022241385		2022246767	2022240779
	2022258682	2022242009	2022230245	2022253886	2022248664
<b><u>A61G 5/-</u></b>	2022259496	2022245391	2022245251	2022254619	2022251752
	2022261359	2022246593	2022249397	2022255667	2022261359
2022242666	2022262355	2022246687	<b><u>A61K 9/-</u></b>	2022268862	2022273980
	2022264478	2022248775		2022354117	
<b><u>A61H 1/-</u></b>	2022265113	2022249357	2022230245		<b><u>A61P 23/-</u></b>
	2022265114	2022250707	2022242817	<b><u>A61M 5/-</u></b>	
2022242666	2022266338	2022251654	2022242828		2022290669
	2022266339	2022252220	2022245251	2022246077	
<b><u>A61H 3/-</u></b>	2022267109	2022254291	2022246065	2022246641	<b><u>A61P 25/-</u></b>
	2022269194	2022254727	2022246101	2022246767	
2022242666	2022270331	2022256455	2022246851	2022255667	2022225981
	2022273980	2022256469	2022250707		2022237675
<b><u>A61J 1/-</u></b>	2022290669	2022258682	2022251752	<b><u>A61N 1/-</u></b>	2022238805
		2022272650	2022255944		2022239859
2022279986	<b><u>A61K 33/-</u></b>	2022298653	2022258156	2022226585	2022240779
			2022258682	2022227540	2022241923
<b><u>A61J 3/-</u></b>	2022246687	<b><u>A61K 45/-</u></b>	2022262355	2022229818	2022241988
			2022271139	2022241850	2022246081
2022251804	<b><u>A61K 35/-</u></b>	2022225981	2022283459	2022249112	2022251752
		2022226605	2022290669	2022249365	2022255944
<b><u>A61K 101/-</u></b>	2022230245	2022245235		<b><u>A61N 5/-</u></b>	2022261359
	2022233852	2022246850	<b><u>A61L 2/-</u></b>		2022266338
2022273184	2022237618	2022250707		2022291348	2022273980
<b><u>A61K 103/-</u></b>	2022239859	2022251752	2021275607		
	2022241385	2022258682	2022236306	<b><u>A61P 1/-</u></b>	<b><u>A61P 27/-</u></b>
2022273184	2022242009		2022249365		2022225981
	2022243439	<b><u>A61K 47/-</u></b>	2022255044	2022225981	2022244467
<b><u>A61K 31/-</u></b>	2022244381		2022405977	2022239051	2022256043
	2022245215	2022227708	2022406019	2022249092	2022273980
2021436754	2022245391	2022232548		2022256747	
2022225981	2022252220	2022232674	<b><u>A61L 27/-</u></b>	2022273980	<b><u>A61P 29/-</u></b>
2022226605	2022257812	2022237225		2022342994	
2022228569	2022258447	2022238918	2022241783		2022237675
2022228647	2022259170	2022241385	2022253477	<b><u>A61P 11/-</u></b>	2022240779
2022229275		2022242817	2022264378		2022246282
2022230013	<b><u>A61K 36/-</u></b>	2022242828		2022239051	2022250707
2022234302		2022246065	<b><u>A61L 31/-</u></b>	2022242828	2022251752
2022234998	2022243439	2022246851		2022245235	2022273980
2022237225	2022252386	2022248775	2022236306	2022246851	2022342994
2022237675	2022266338	2022249223		2022273980	
2022238805		2022253004			
2022238812		2022254291			

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

<b><u>A61P 3 /-</u></b>	2022245215 2022246282 2022248775 2022256043 2022256455 2022265114 2022266339 2022270331 2022272650	<b><u>A63F 13 /-</u></b>	2022233194	<b><u>B01F 35 /-</u></b>	2022257157 2022261404	<b><u>B24C 7 /-</u></b>	2022252065	<b><u>B29C 64 /-</u></b>	2022264758 2022291205
2022225981 2022244381 2022245736 2022249095 2022249097 2022252615 2022261359 2022265113 2022267109	<b><u>A61P 43 /-</u></b>	2022248996 2022280782	<b><u>B01D 15 /-</u></b>	2022253477 2022259545	<b><u>B01J 19 /-</u></b>	2022241881	<b><u>B25F 5 /-</u></b>	<b><u>B29C 71 /-</u></b>	2022253477
<b><u>A61P 31 /-</u></b>	2022225981 2022239051 2022251752 2022265114 2022266338 2022267109 2022269194	<b><u>B01D 27 /-</u></b>	2022241914	2022232918 2022288401	<b><u>B01J 20 /-</u></b>	2022240902	<b><u>B25J 11 /-</u></b>	<b><u>B29D 11 /-</u></b>	2021431053
2022228575 2022237618 2022238812 2022246161 2022246282 2022248775 2022251654 2022257812 2022258682 2022269194 2022282568	<b><u>A61P 5 /-</u></b>	2022241914	<b><u>B01D 29 /-</u></b>	<b><u>B01J 8 /-</u></b>	2023219653	<b><u>B25J 13 /-</u></b>	2022242741 2022244220	<b><u>B29D 23 /-</u></b>	2022228465
<b><u>A61P 35 /-</u></b>	2022239051 2022264478 2022267109 2022270331	<b><u>B01D 35 /-</u></b>	2022241914	<b><u>B01L 3 /-</u></b>	2022252323	<b><u>B25J 15 /-</u></b>	2022240902 2022244220 2022245984 2022247379	<b><u>B31B 50 /-</u></b>	2022237700
2021436754 2022223531 2022226605 2022227708 2022232548 2022232674 2022234797 2022234998 2022237225 2022237618 2022242009 2022243439 2022243555 2022243600 2022244937 2022245215 2022245391 2022246282 2022246593 2022246850 2022249092 2022249223 2022250316 2022250707 2022252094 2022252220 2022252615 2022253351 2022253524 2022254062 2022254674 2022254727 2022257363 2022257812 2022259170 2022259496 2022265114 2022270331 2022271139 2022273980	<b><u>A61P 7 /-</u></b>	<b><u>B01D 53 /-</u></b>	2022232918 2022246677 2022246724 2022246872 2022253075 2022253493 2022253950 2022254776 2022254777 20222439903 2022440525 2023219653	<b><u>B02C 13 /-</u></b>	2022228244	<b><u>B25J 17 /-</u></b>	2022245984	<b><u>B32B 17 /-</u></b>	2022241366
<b><u>A61P 37 /-</u></b>	2022242666	<b><u>B01D 63 /-</u></b>	2022439903 2022440525	<b><u>B05B 13 /-</u></b>	2022247379	<b><u>B25J 19 /-</u></b>	2022241645 2022241646 2022242741 2022244220 2022245984 2022247379	<b><u>B32B 27 /-</u></b>	2022250169
2022239051 2022244937	<b><u>A61P 9 /-</u></b>	<b><u>B01D 65 /-</u></b>	20222430329	<b><u>B05D 1 /-</u></b>	2022282568	<b><u>B25J 5 /-</u></b>	2022241646 2022242741 2022244220 2022245984	<b><u>B33Y 30 /-</u></b>	2022264758 2022291205
2022228575 2022237618 2022238812 2022246161 2022246282 2022248775 2022251654 2022257812 2022258682 2022269194 2022282568	<b><u>A61Q 11 /-</u></b>	<b><u>B01D 69 /-</u></b>	2022243033	<b><u>B05D 3 /-</u></b>	2022282568	<b><u>B25J 9 /-</u></b>	2022241646 2022242741 2022244220 2022245984	<b><u>B33Y 50 /-</u></b>	2022264758
<b><u>A61P 39 /-</u></b>	20222408198	<b><u>B01D 71 /-</u></b>	2022243033	<b><u>B05D 5 /-</u></b>	2022282568	<b><u>B28B 11 /-</u></b>	2022241646 2022241646 2022241986 2022244220 2022245984	<b><u>B60C 9 /-</u></b>	2022270398 2022270963 2022270964
2022228575 2022237618 2022238812 2022246161 2022246282 2022248775 2022251654 2022257812 2022258682 2022269194 2022282568	<b><u>A61Q 19 /-</u></b>	<b><u>B01D 75 /-</u></b>	2022243033 2022243654	<b><u>B08B 13 /-</u></b>	2022247379	<b><u>B25J 9 /-</u></b>	2022241645 2022241646 2022241986 2022244220 2022245984	<b><u>B60H 1 /-</u></b>	2022284987 2022286458 2022287059
<b><u>A61P 41 /-</u></b>	2022242666	<b><u>B01D 81 /-</u></b>	2022243033	<b><u>B08B 9 /-</u></b>	2022230329	<b><u>B28B 13 /-</u></b>	2022241646 2022241986 2022244220 2022245984	<b><u>B60L 1 /-</u></b>	2022251870
2022228575 2022237618 2022238812 2022246161 2022246282 2022248775 2022251654 2022257812 2022258682 2022269194 2022282568	<b><u>A63B 19 /-</u></b>	<b><u>B01D 85 /-</u></b>	2022243033	<b><u>B09B 3 /-</u></b>	2022255977 2022316519	<b><u>B29B 17 /-</u></b>	2022270686	<b><u>B60L 15 /-</u></b>	2021443789
<b><u>A61P 43 /-</u></b>	2022242666	<b><u>B01F 23 /-</u></b>	2022243033	<b><u>B22D 41 /-</u></b>	2022274311	<b><u>B28B 13 /-</u></b>	2022270686	<b><u>B60L 5 /-</u></b>	2021436642
2022228575 2022237618 2022238812 2022246161 2022246282 2022248775 2022251654 2022257812 2022258682 2022269194 2022282568	<b><u>A63B 21 /-</u></b>	<b><u>B01F 25 /-</u></b>	2022257157	<b><u>B22F 12 /-</u></b>	2022274311	<b><u>B29B 17 /-</u></b>	2022270686	<b><u>B60L 53 /-</u></b>	2021436642
<b><u>A61P 45 /-</u></b>	2022242666	<b><u>B01F 31 /-</u></b>	2022257157	<b><u>B23D 57 /-</u></b>	2022230060	<b><u>B29C 35 /-</u></b>	2022275987 2022279334	<b><u>B60L 58 /-</u></b>	2022245900
2022228575 2022237618 2022238812 2022246161 2022246282 2022248775 2022251654 2022257812 2022258682 2022269194 2022282568	<b><u>A63B 22 /-</u></b>	<b><u>B01F 33 /-</u></b>	2022261404	<b><u>B23K 103 /-</u></b>	2022227205	<b><u>B29C 48 /-</u></b>	2022291205	<b><u>B60M 7 /-</u></b>	2021436642
<b><u>A61P 47 /-</u></b>	2022242666	<b><u>B01F 35 /-</u></b>	2022261404	<b><u>B23K 26 /-</u></b>	2022237700		2022228465		2021436642
2022228575 2022237618 2022238812 2022246161 2022246282 2022248775 2022251654 2022257812 2022258682 2022269194 2022282568	<b><u>A63B 71 /-</u></b>		2022261404 2022263326		2022237700				
<b><u>A61P 49 /-</u></b>	2022242666								
2022228575 2022237618 2022238812 2022246161 2022246282 2022248775 2022251654 2022257812 2022258682 2022269194 2022282568									

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

<b><u>B60W 10 /-</u></b>		2022252487	<b><u>C07C 237 /-</u></b>		2022243555
2022292520	<b><u>B65D 3 /-</u></b>	2022267649		<b><u>C07D 309 /-</u></b>	2022249402
	2022232642	<b><u>C01B 39 /-</u></b>	2022258156	2022239614	2022251752
<b><u>B60W 40 /-</u></b>			2022264802		2022254062
2022296455	<b><u>B65D 39 /-</u></b>	2022288401	<b><u>C07C 271 /-</u></b>	<b><u>C07D 311 /-</u></b>	2022256476
	2022236872		2022237675	2022255267	2022269229
<b><u>B61K 9 /-</u></b>		<b><u>C01C 1 /-</u></b>	2022240779		<b><u>C07D 491 /-</u></b>
2022253214	<b><u>B65D 41 /-</u></b>	2022267649		<b><u>C07D 313 /-</u></b>	2022230013
	2022236872	<b><u>C01D 15 /-</u></b>	<b><u>C07C 29 /-</u></b>	2022253074	2022273980
<b><u>B61L 23 /-</u></b>			2022439903		<b><u>C07D 495 /-</u></b>
2022253214	<b><u>B65D 65 /-</u></b>	2022251006	2022440525	<b><u>C07D 401 /-</u></b>	2022251752
	2022231389	<b><u>C01F 11 /-</u></b>	2023219653	2021436754	2022273980
<b><u>B61L 27 /-</u></b>	2022236555		<b><u>C07C 31 /-</u></b>	2022244467	
2022253214	2022250169	2022256806		2022246081	<b><u>C07D 498 /-</u></b>
	<b><u>B65D 81 /-</u></b>	<b><u>C01G 19 /-</u></b>	2022439903	2022250316	
<b><u>B62D 3 /-</u></b>			2022440525	2022252615	2022254674
2021438040	2022232642	2022254888	2023219653	2022260028	2022273980
	2022279986	<b><u>C02F 1 /-</u></b>	<b><u>C07C 39 /-</u></b>	2022273980	<b><u>C07D 513 /-</u></b>
<b><u>B62D 5 /-</u></b>	<b><u>B65D 85 /-</u></b>		2022255944	<b><u>C07D 403 /-</u></b>	2022251752
2021438040	2022231389	2022233141		2022228569	<b><u>C07D 519 /-</u></b>
		2022241914	<b><u>C07C 67 /-</u></b>	2022246081	
<b><u>B62J 1 /-</u></b>	<b><u>B65G 1 /-</u></b>	2022243654	2022275987	2022250316	2022254674
2022230060	2022227446	2022248996	2022279334	<b><u>C07D 405 /-</u></b>	2022269229
		<b><u>C03C 13 /-</u></b>	<b><u>C07C 69 /-</u></b>	2022244467	<b><u>C07F 7 /-</u></b>
<b><u>B63B 32 /-</u></b>	<b><u>B65G 15 /-</u></b>	2022255977		2022246081	2022273184
2022241366	2022235154	<b><u>C03C 3 /-</u></b>	2022275987	2022251752	
	2022288325		2022279334	2022252615	<b><u>C07H 21 /-</u></b>
<b><u>B63B 35 /-</u></b>	2022288590	2022255977	<b><u>C07D 207 /-</u></b>	2022269229	
2022254693	<b><u>B66B 1 /-</u></b>	<b><u>C04B 14 /-</u></b>		2022273980	2022232622
	2022248214		2022252615	<b><u>C07D 409 /-</u></b>	<b><u>C07K 1 /-</u></b>
<b><u>B64C 1 /-</u></b>	2022250705	2022255977	<b><u>C07D 213 /-</u></b>	2022251752	2022280782
2022255069	2022251678	<b><u>C04B 35 /-</u></b>	2022237675	2022273980	
	<b><u>B66B 11 /-</u></b>		2022240779	<b><u>C07D 413 /-</u></b>	<b><u>C07K 14 /-</u></b>
<b><u>B64C 11 /-</u></b>		2021440327	2022243600	2022246081	2022233957
2022231432	2022245073	<b><u>C05G 5 /-</u></b>	<b><u>C07D 217 /-</u></b>	2022252615	2022237618
	<b><u>B66B 5 /-</u></b>	2022247418		2022253338	2022241783
<b><u>B64C 39 /-</u></b>			2022244467	<b><u>C07D 417 /-</u></b>	2022242817
2022254314	2022251678	<b><u>C07B 59 /-</u></b>	2022264802	2022242828	2022244381
	<b><u>B66C 1 /-</u></b>		<b><u>C07D 223 /-</u></b>	2022244381	2022245391
<b><u>B64C 7 /-</u></b>		2022273184		2022245736	2022245991
2022254314	2022289379	<b><u>C07C 2 /-</u></b>	2022230013	2022246282	2022246593
2022255069	<b><u>B66C 23 /-</u></b>		<b><u>C07D 235 /-</u></b>	2022249709	2022246917
	2022268649	2022262207		2022251752	2022249097
<b><u>B64D 47 /-</u></b>		<b><u>C07C 215 /-</u></b>	2022228569	2022253524	2022252307
2022255069	<b><u>B66F 11 /-</u></b>		<b><u>C07D 239 /-</u></b>	<b><u>C07D 451 /-</u></b>	2022252407
	2022253350	2022258156		2022246081	2022253351
<b><u>B64D 7 /-</u></b>		<b><u>C07C 229 /-</u></b>	2022244467		2022257812
2022254314	2022253350		2022246081	<b><u>C07D 471 /-</u></b>	2022258447
	<b><u>B82Y 10 /-</u></b>	2022258156	<b><u>C07D 249 /-</u></b>	2021436754	2022258839
<b><u>B65B 1 /-</u></b>				2022232674	2022272650
2022251804	2022225093	<b><u>C07C 233 /-</u></b>	2022225803	2022234998	<b><u>C07K 16 /-</u></b>
	<b><u>B82Y 5 /-</u></b>	2022264802	<b><u>C07D 273 /-</u></b>	2022241988	2022223531
<b><u>B65D 19 /-</u></b>				2022244937	2022227708
2021445786	2022246851	<b><u>C07C 235 /-</u></b>	2022253524	2022252094	2022232548
	<b><u>C01B 3 /-</u></b>	2022256476	<b><u>C07D 291 /-</u></b>	2022253074	2022232903
<b><u>B65D 25 /-</u></b>				<b><u>C07D 487 /-</u></b>	2022233852
2022232642	2022246724		2022253524		2022239051
	2022249259			2022230013	2022241385

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2022243562		<b><u>C10B 49 /-</u></b>		2022239859	<b><u>C22B 23 /-</u></b>
2022245215	<b><u>C08K 5 /-</u></b>		<b><u>C12M 1 /-</u></b>	2022241783	
2022245391		2022256806		2022242009	2021440994
2022246593	2022250860		2021436402	2022252407	2021448648
2022246687	2022252189	<b><u>C10B 53 /-</u></b>	2022243033	2022254053	
2022252307			2022245610	2022257812	<b><u>C22B 26 /-</u></b>
2022253027	<b><u>C08L 23 /-</u></b>	2022256806	2022250077	2022259170	
2022253351			2022253075	2022264378	2021440994
2022254291	2022288590	<b><u>C10B 57 /-</u></b>	2022253493	2022267033	
2022254727			2022253950	2022270611	<b><u>C22B 5 /-</u></b>
2022256043	<b><u>C08L 33 /-</u></b>	2022249055	2022254776		
2022256455			2022254777	<b><u>C12N 7 /-</u></b>	2021437808
2022258566	2022250860	<b><u>C10B 7 /-</u></b>	2022267033		2021448648
2022259170	<b><u>C08L 67 /-</u></b>	2022256806	2022280018	2022243033	<b><u>C22B 7 /-</u></b>
2022266584					
2022298653	2022252189	<b><u>C10G 2 /-</u></b>	<b><u>C12M 3 /-</u></b>	<b><u>C12N 9 /-</u></b>	2021440994
<b><u>C07K 19 /-</u></b>	<b><u>C08L 75 /-</u></b>	2023219653	2022264758	2022237663	<b><u>C22C 1 /-</u></b>
				2022245991	
2022237618	2021445786	<b><u>C10G 3 /-</u></b>	<b><u>C12N 1 /-</u></b>	2022253004	2023204173
2022242009				2022256043	
2022249318	<b><u>C08L 81 /-</u></b>	2022262207	2022231106	2022256988	<b><u>C23C 16 /-</u></b>
2022259170		2022316519	2022243033		
	2022252479		2022245991	<b><u>C12P 21 /-</u></b>	2022282568
<b><u>C07K 5 /-</u></b>		<b><u>C10G 45 /-</u></b>	2022250077		
	<b><u>C08L 9 /-</u></b>		2022253075	2022239051	<b><u>C25B 1 /-</u></b>
2022342994		2022262207	2022253493	2022259170	
	2022288325	<b><u>C10G 50 /-</u></b>	2022253950		2022251006
<b><u>C07K 7 /-</u></b>			2022254776	<b><u>C12P 5 /-</u></b>	2022268645
	<b><u>C08L 93 /-</u></b>	2022262207	2022254777		
2022239051				2022253493	<b><u>C25B 9 /-</u></b>
2022245251	2022256804	<b><u>C10G 67 /-</u></b>	<b><u>C12N 15 /-</u></b>	2022253950	
2022249095				2022254776	2022268645
2022249097	<b><u>C09D 151 /-</u></b>	2022262207	2022222149	2022254777	
2022249318		2022262207	2022222977		<b><u>D06F 34 /-</u></b>
2022256469	2022248726	<b><u>C10G 9 /-</u></b>	2022227650	<b><u>C12P 7 /-</u></b>	2022226033
			2022228647		
<b><u>C08F 2 /-</u></b>	<b><u>C09D 175 /-</u></b>	2022256806	2022231106	2022253075	<b><u>D06F 37 /-</u></b>
			2022232622	2022253493	
2022253477	2021445786	<b><u>C10M 169 /-</u></b>	2022237663	2022253950	
			2022239051	2022254776	2022234175
<b><u>C08F 285 /-</u></b>	<b><u>C09D 181 /-</u></b>	2022246825	2022242009	2022254777	2022234603
			2022242740		
2022248726	2022252479	<b><u>C10M 171 /-</u></b>	2022242828	<b><u>C12Q 1 /-</u></b>	<b><u>D06F 58 /-</u></b>
			2022243070		
<b><u>C08G 18 /-</u></b>	<b><u>C09D 5 /-</u></b>	2022246825	2022244381	2021436402	2022234175
			2022245292	2022230780	2022234603
2021445786	2022229530	<b><u>C10N 20 /-</u></b>	2022245391	2022242740	
2022226294	2022230472		2022246917	2022243654	<b><u>D07B 1 /-</u></b>
	2022253329	2022246825	2022249318	2022245306	
<b><u>C08G 59 /-</u></b>	<b><u>C09D 7 /-</u></b>		2022249357	2022249357	2022228465
		<b><u>C10N 30 /-</u></b>	2022252236	2022252323	2022270963
2022252479	2022229530		2022252407	2022253027	2022270964
	2022230472	2022246825	2022253004	2022261427	
<b><u>C08G 63 /-</u></b>	2022253329	<b><u>C10N 40 /-</u></b>	2022253351	2022261713	<b><u>D07B 7 /-</u></b>
			2022254053	2022264303	
2022253477	<b><u>C09K 107 /-</u></b>	2022246825	2022255586	2022270021	2022228465
			2022256455	<b><u>C21B 13 /-</u></b>	<b><u>D21H 17 /-</u></b>
<b><u>C08G 65 /-</u></b>	2021445786	<b><u>C11D 11 /-</u></b>	2022256988		
			2022258329	2021437529	2022256804
2022238918	<b><u>C09K 17 /-</u></b>	2022253631	2022258447	2021437808	
			2022258584		<b><u>D21H 21 /-</u></b>
<b><u>C08G 75 /-</u></b>	2021445786	<b><u>C11D 3 /-</u></b>	2022258839	<b><u>C21D 1 /-</u></b>	2022256804
			2022259170		
2022252479	<b><u>C09K 5 /-</u></b>	2022253631	2022261359	2021275607	
			2022264478	<b><u>C22B 1 /-</u></b>	<b><u>E02D 19 /-</u></b>
<b><u>C08J 11 /-</u></b>	2022310189	<b><u>C12H 1 /-</u></b>	2022266783		
	2022311916		2022270021	2021437529	2021445786
2022275987	<b><u>C10B 47 /-</u></b>	2022230329	<b><u>C12N 5 /-</u></b>	2021437808	<b><u>E02D 29 /-</u></b>
2022279334					
<b><u>C08K 3 /-</u></b>	2022249055	<b><u>C12L 11 /-</u></b>			2022233684
			2022232622		
2022252189		2022230329	2022237663		
2022253329					

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<b><u>E02D 3 /-</u></b>	<b><u>E06B 1 /-</u></b>	<b><u>F03D 9 /-</u></b>	<b><u>F16L 55 /-</u></b>	<b><u>F24S 25 /-</u></b>	<b><u>F28F 3 /-</u></b>
2021445786	2022258782	2022253533	2022233684	2022226332	2022229835
<b><u>E02D 31 /-</u></b>	<b><u>E06B 9 /-</u></b>	2022253534	<b><u>F17C 13 /-</u></b>	<b><u>F25B 1 /-</u></b>	2022230856
2021445786	2021430668	<b><u>F04B 17 /-</u></b>	2022251836	2022244707	<b><u>F41H 5 /-</u></b>
<b><u>E02D 5 /-</u></b>	<b><u>E21B 15 /-</u></b>	2022253350	<b><u>F21K 9 /-</u></b>	<b><u>F25B 41 /-</u></b>	2021440327
2022266849	2022251870	<b><u>F04B 49 /-</u></b>	2022263167	2021453694	<b><u>F42B 3 /-</u></b>
<b><u>E02D 7 /-</u></b>	<b><u>E21B 29 /-</u></b>	2022253350	<b><u>F21V 23 /-</u></b>	2022284987	2022332351
2022266849	2022287907	<b><u>F04C 2 /-</u></b>	2022263167	<b><u>F25B 49 /-</u></b>	<b><u>F42C 15 /-</u></b>
<b><u>E02F 3 /-</u></b>	2022288615	2022253350	<b><u>F21V 33 /-</u></b>	2022244707	2022332351
2022251145	2022291366	<b><u>F15B 11 /-</u></b>	2022263167	<b><u>F25D 11 /-</u></b>	<b><u>F42D 1 /-</u></b>
<b><u>E02F 9 /-</u></b>	<b><u>E21B 33 /-</u></b>	2022253350	<b><u>F21W 131 /-</u></b>	2021438150	2022332351
2022297925	2021448675	<b><u>F15C 1 /-</u></b>	2022263167	<b><u>F25D 23 /-</u></b>	<b><u>F42D 3 /-</u></b>
<b><u>E03C 1 /-</u></b>	2022287907	2022261404	<b><u>F23J 15 /-</u></b>	2021438150	2022332351
2022258110	2022231622	<b><u>F16B 12 /-</u></b>	2022254833	2022263167	<b><u>G01B 11 /-</u></b>
<b><u>E03F 3 /-</u></b>	<b><u>E21B 34 /-</u></b>	2022226005	<b><u>F23L 15 /-</u></b>	2021438150	2022241645
2022258110	<b><u>E21B 4 /-</u></b>	<b><u>F16B 7 /-</u></b>	2022254833	2022263167	<b><u>G01C 21 /-</u></b>
<b><u>E03F 5 /-</u></b>	2022252007	2022233992	<b><u>F23L 7 /-</u></b>	<b><u>F25D 7 /-</u></b>	2022279410
2022258110	<b><u>E21B 41 /-</u></b>	<b><u>F16C 11 /-</u></b>	2022254833	2022242848	<b><u>G01D 18 /-</u></b>
<b><u>E04B 1 /-</u></b>	2022241034	2022294663	<b><u>F23N 5 /-</u></b>	<b><u>F26B 21 /-</u></b>	2022264758
2022226005	<b><u>E21B 43 /-</u></b>	<b><u>F16J 15 /-</u></b>	2022254833	2022405977	<b><u>G01F 15 /-</u></b>
2022233684	2021452757	2021448675	<b><u>F24C 7 /-</u></b>	2022406019	2022249304
2022289379	2022231622	2022265430	2022240607	<b><u>F26B 3 /-</u></b>	<b><u>G01J 3 /-</u></b>
<b><u>E04B 2 /-</u></b>	2022287907	<b><u>F16K 1 /-</u></b>	<b><u>F24F 1 /-</u></b>	2022405977	2022313688
2022258782	2022288615	2022246019	2022246680	2022406019	<b><u>G01J 5 /-</u></b>
<b><u>E04B 9 /-</u></b>	<b><u>E21B 49 /-</u></b>	<b><u>F16K 11 /-</u></b>	2022249485	2022405977	2022229867
2022258870	2022291838	2022284938	<b><u>F24F 11 /-</u></b>	<b><u>F26B 9 /-</u></b>	<b><u>G01M 3 /-</u></b>
<b><u>E04C 3 /-</u></b>	2022293488	<b><u>F16K 31 /-</u></b>	2022244707	2022405977	2022252066
2022226005	<b><u>E21B 7 /-</u></b>	2022231622	<b><u>F24F 13 /-</u></b>	2022406019	<b><u>G01N 1 /-</u></b>
<b><u>E04C 5 /-</u></b>	2022251870	2022246019	2022246680	<b><u>F28C 3 /-</u></b>	2022242810
2022233992	2022287907	<b><u>F16L 23 /-</u></b>	2022284987	2022229835	2022245394
<b><u>E04F 21 /-</u></b>	2022288615	2022265430	2022286458	<b><u>F28D 1 /-</u></b>	2022291838
2022247379	<b><u>E21D 20 /-</u></b>	<b><u>F16L 27 /-</u></b>	<b><u>F24F 5 /-</u></b>	2022229835	2022293488
<b><u>E04G 21 /-</u></b>	2022266849	2022233684	2022229835	<b><u>F28D 5 /-</u></b>	<b><u>G01N 21 /-</u></b>
2022289379	<b><u>E21D 21 /-</u></b>	<b><u>F16L 3 /-</u></b>	<b><u>F24F 6 /-</u></b>	2022229835	2022245610
<b><u>E04H 13 /-</u></b>	2022266849	2022233684	2022246680	<b><u>F28D 9 /-</u></b>	2022249851
2022242178	<b><u>F02K 1 /-</u></b>	<b><u>F16L 39 /-</u></b>	<b><u>F24H 1 /-</u></b>	2022229835	2022313688
<b><u>E05F 15 /-</u></b>	2022231432	2022233684	2021449023	2022230856	<b><u>G01N 27 /-</u></b>
2022243959	<b><u>F03D 7 /-</u></b>	<b><u>F16L 5 /-</u></b>	<b><u>F24H 4 /-</u></b>	<b><u>F28F 13 /-</u></b>	<b><u>G01N 30 /-</u></b>
	2022253533	2022233684	2021449023	2022229835	2022280782

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<b><u>G01N 33 /-</u></b>	<b><u>G02B 6 /-</u></b>	<b><u>G06N 10 /-</u></b>	<b><u>G09C 1 /-</u></b>	<b><u>H01M 4 /-</u></b>	<b><u>H02K 9 /-</u></b>
2022225981	2022233700	2022225093	2022243369	2021443688	2022258192
2022232903	2022249157	<b><u>G06N 20 /-</u></b>	<b><u>G10L 21 /-</u></b>	<b><u>H01M 50 /-</u></b>	<b><u>H02M 1 /-</u></b>
2022233849	2022266164	2022256509	2022259391	2021443688	2021439254
2022234302	<b><u>G02C 7 /-</u></b>	2022297419	<b><u>G10L 25 /-</u></b>	<b><u>H01M 8 /-</u></b>	<b><u>H02M 3 /-</u></b>
2022234797	2021431053	<b><u>G06N 3 /-</u></b>	2022259391	2022268645	2022245900
2022239051	<b><u>G02F 1 /-</u></b>	2022281121	<b><u>G16B 40 /-</u></b>	<b><u>H02G 1 /-</u></b>	<b><u>H02M 5 /-</u></b>
2022245610	2022238796	<b><u>G06Q 10 /-</u></b>	2022245306	2022233684	2021439254
2022246660	2022283264	2022253213	<b><u>G16B 5 /-</u></b>	<b><u>H02G 3 /-</u></b>	<b><u>H02M 7 /-</u></b>
2022249176	<b><u>G03F 1 /-</u></b>	2022261060	<b><u>G06Q 20 /-</u></b>	2022233684	2021439254
2022249357	2022362476	<b><u>G06Q 20 /-</u></b>	2022245306	2022233684	2021439254
2022253027	<b><u>G05D 1 /-</u></b>	2022226932	<b><u>G16H 10 /-</u></b>	<b><u>H02G 9 /-</u></b>	<b><u>H02P 1 /-</u></b>
2022256469	2022282381	2022241991	2022388902	2022233684	2022241881
2022261713	<b><u>G05D 16 /-</u></b>	2022246182	<b><u>G16H 20 /-</u></b>	<b><u>H02H 11 /-</u></b>	<b><u>H02S 10 /-</u></b>
2022264379	2022276566	2022249010	2022246301	2022258388	2022254693
2022271275	2022277789	2022257122	<b><u>G16H 30 /-</u></b>	<b><u>H02H 9 /-</u></b>	<b><u>H02S 20 /-</u></b>
<b><u>G01N 9 /-</u></b>	<b><u>G06F 1 /-</u></b>	2021440770	2022246898	2022258388	2022226332
2022283839	<b><u>G05D 1 /-</u></b>	2022255748	<b><u>G16H 50 /-</u></b>	<b><u>H02J 1 /-</u></b>	2022254693
<b><u>G01R 19 /-</u></b>	2022282381	<b><u>G06Q 30 /-</u></b>	2021430123	2022258388	<b><u>H02S 40 /-</u></b>
2021439633	<b><u>G05D 16 /-</u></b>	2022256509	2021436402	<b><u>H02J 13 /-</u></b>	2022254693
<b><u>G01R 22 /-</u></b>	2022276566	2022257122	2022246657	2022246847	<b><u>H04B 17 /-</u></b>
2022238796	2022277789	<b><u>G06Q 50 /-</u></b>	2022249145	<b><u>H02J 3 /-</u></b>	2022250360
<b><u>G01S 13 /-</u></b>	<b><u>G06F 11 /-</u></b>	2022440770	<b><u>G21C 19 /-</u></b>	2021435844	<b><u>H04B 5 /-</u></b>
2022226241	2022261717	2022255748	2022260642	2022225664	2022245317
2022226241	2022264402	<b><u>G06T 19 /-</u></b>	<b><u>H01B 1 /-</u></b>	2022246847	<b><u>H04L 1 /-</u></b>
2022226241	2022294663	2022227444	2022254888	2022253534	2022237265
<b><u>G01S 17 /-</u></b>	<b><u>G06F 15 /-</u></b>	<b><u>G06T 7 /-</u></b>	<b><u>H01B 13 /-</u></b>	<b><u>H02J 7 /-</u></b>	<b><u>H04L 12 /-</u></b>
2022313688	2022242709	2022241645	2022254888	2021439922	2022245317
<b><u>G01S 5 /-</u></b>	2022277121	2022246301	<b><u>H01H 1 /-</u></b>	2022225664	<b><u>H04L 27 /-</u></b>
2022226241	<b><u>G06F 16 /-</u></b>	2022246898	<b><u>H01H 50 /-</u></b>	<b><u>H02K 1 /-</u></b>	2022272750
2022282381	2022246182	<b><u>G06V 10 /-</u></b>	2022266021	2022241881	<b><u>H04L 5 /-</u></b>
<b><u>G01S 7 /-</u></b>	<b><u>G06F 16 /-</u></b>	2022247382	<b><u>H01H 23 /-</u></b>	<b><u>H02K 21 /-</u></b>	2022271785
2022226241	2022258988	<b><u>G06V 20 /-</u></b>	2022225093	2022258192	2022272750
2022313688	2022297419	2022261717	2022237341	<b><u>H02K 3 /-</u></b>	<b><u>H04L 9 /-</u></b>
<b><u>G01T 1 /-</u></b>	<b><u>G06F 21 /-</u></b>	<b><u>G06V 30 /-</u></b>	2022259391	2022241881	2022241991
2022283839	2022241991	<b><u>G08B 21 /-</u></b>	2022266021	2022258192	2022246182
<b><u>G01T 3 /-</u></b>	<b><u>G06F 3 /-</u></b>	2022252066	<b><u>H01L 29 /-</u></b>	<b><u>H02K 49 /-</u></b>	<b><u>H04M 1 /-</u></b>
2022283839	2022227444	<b><u>G09B 9 /-</u></b>	2022225093	2022263326	2022264402
<b><u>G01V 5 /-</u></b>	2022259391	2022233194	2021439922	2022254888	2022294663
2022283839	2022261717	<b><u>G09B 9 /-</u></b>	2021443688	<b><u>H02K 7 /-</u></b>	<b><u>H04N 13 /-</u></b>
<b><u>G01V 8 /-</u></b>	<b><u>G06F 40 /-</u></b>	2022261717	2022254888	2022241881	202227444
2022313688	2022256509	<b><u>G08B 21 /-</u></b>	<b><u>H01M 10 /-</u></b>	2022258192	
<b><u>G02B 1 /-</u></b>	2022258988	2022252066	2021439922		
2022238796	2022261717	<b><u>G09B 9 /-</u></b>	2021443688		
<b><u>G02B 27 /-</u></b>	<b><u>G06F 8 /-</u></b>	2022252066	2022254888		
2021431053	2022297419	<b><u>G09B 9 /-</u></b>			
<b><u>G02B 3 /-</u></b>	<b><u>G06F 9 /-</u></b>	2022233194			
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2022227444	<b><u>H05K 9 /-</u></b>
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*B32B 5/18* ( 2006.01 )  
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*H01F 38/14* ( 2006.01 )  
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**G01N 15/10** ( 2006.01 )  
**G01N 15/14** ( 2006.01 )  
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**(74)** FB Rice Pty Ltd
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**(21)** 2018303667 **(22)** 18.07.2018  
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**(51)** Int. Cl.  
**A61M 25/00** ( 2006.01 )  
**A61M 5/32** ( 2006.01 )  
**A61M 25/06** ( 2006.01 )  
**A61M 39/00** ( 2006.01 )  
**A61M 39/04** ( 2006.01 )  
**A61M 39/06** ( 2006.01 )  
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**(31)** 16/037,274 **(32)** 17.07.18 **(33)** US  
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**(21)** 2018337035 **(22)** 18.09.2018  
**(54)** Demarcation template for hazardous contaminant testing  
**(51)** Int. Cl.  
**B01L 3/00** ( 2006.01 )  
**G01D 11/24** ( 2006.01 )  
**G01N 1/28** ( 2006.01 )  
**G01N 1/31** ( 2006.01 )  
**G01N 21/88** ( 2006.01 )  
**G03F 9/00** ( 2006.01 )  
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**(43)** 28.03.2019  
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**(74)** FB Rice Pty Ltd
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**(21)** 2019398123 **(22)** 10.12.2019  
**(54)** Rack for sample tubes  
**(51)** Int. Cl.  
**B01L 3/00** ( 2006.01 )  
**B01L 9/00** ( 2006.01 )  
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**G01N 35/00** ( 2006.01 )  
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**(44)** 12.10.2023  
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**(74)** FB Rice Pty Ltd
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**(51)** Int. Cl.  
**B01L 3/00** ( 2006.01 )  
**A61M 5/165** ( 2006.01 )  
**B01D 61/18** ( 2006.01 )  
**G01N 1/40** ( 2006.01 )  
**C12M 1/00** ( 2006.01 )  
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**(11)** AU-B-2022200278  
**(21)** 2022200278 **(22)** 17.01.2022  
**(54)** CRYSTALLINE FORM OF (S)-7-(1-ACRYLOYLPYPERIDIN-4-YL)-2-(4-PHENOXYPHENYL)-4,5,6,7-TETRA-HYDROPIRAZOLE[1,5-A]PYRIMIDINE-3-CARBOXAMIDE, PREPARATION, AND USES THEREOF  
**(51)** Int. Cl.  
**C07D 487/04** ( 2006.01 )  
**A61K 31/519** ( 2006.01 )  
**A61P 29/00** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**A61P 37/00** ( 2006.01 )  
**(43)** 10.02.2022  
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**(72)** WANG, Zhiwei; GUO, Yunhang; SHI, Gongyin  
**(74)** FB Rice Pty Ltd

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**(54)** Image collection control method and device, image collection system and TOF camera  
**(51)** Int. Cl.  
**G01S 17/894** ( 2020.01 )  
**H04N 5/30** ( 2006.01 )  
**H04N 23/56** ( 2023.01 )  
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**(51)** Int. Cl.  
**G01N 33/543** ( 2006.01 )  
**B01L 3/00** ( 2006.01 )  
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**(74)** FB Rice Pty Ltd

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**(11)** AU-B-2017201185  
**(21)** 2017201185 **(22)** 22.02.2017  
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**(51)** Int. Cl.  
**F23Q 1/06** ( 2006.01 )  
**C10L 11/04** ( 2006.01 )  
**F23Q 2/18** ( 2006.01 )  
**F23Q 3/00** ( 2006.01 )  
**(43)** 06.09.2018  
**(44)** 12.10.2023  
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**(74)** Pizeys Patent and Trade Mark Attorneys Pty Ltd

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**(11)** AU-B-2022203060  
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**(51)** Int. Cl.  
**A24F 47/00** ( 2020.01 )  
**(31)** 17/666,131 **(32)** 07.02.22 **(33)** US  
**(43)** 26.05.2022  
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**(74)** RnB IP Pty Ltd

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**(11)** AU-B-2019211032  
**(21)** 2019211032 **(22)** 21.01.2019  
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**(51)** Int. Cl.  
**F24S 30/452** ( 2018.01 )  
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**(72)** BIERZYŃSKI, Grzegorz Kazimierz  
**(74)** Pizeys Patent and Trade Mark Attorneys Pty Ltd

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**(11)** AU-B-2020218330  
**(21)** 2020218330 **(22)** 04.02.2020  
**(54)** Probiotic compositions comprising lactobacillus reuteri strains and methods of use  
**(51)** Int. Cl.  
**C12N 15/74** ( 2006.01 )  
**A61K 35/744** ( 2015.01 )  
**A61K 35/747** ( 2015.01 )  
**C07K 14/195** ( 2006.01 )  
**C12N 1/20** ( 2006.01 )  
**C12R 1/225** ( 2006.01 )  
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**(43)** 13.08.2020  
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**(72)** KUMAR, Arvind; GANGAIAH, Dharamanesh Mahimapura  
**(74)** Spruson & Ferguson

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**(11)** AU-B-2017233923  
**(21)** 2017233923 **(22)** 13.03.2017  
**(54)** Treatment of severe Community Acquired Pneumonia  
**(51)** Int. Cl.  
**C07K 16/00** ( 2006.01 )  
**A61K 9/00** ( 2006.01 )  
**A61K 38/00** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**C07K 16/06** ( 2006.01 )  
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**(74)** Davies Collison Cave Pty Ltd

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**(11)** AU-B-2018230445  
**(21)** 2018230445 **(22)** 09.03.2018  
**(54)** Actuator devices and systems  
**(51)** Int. Cl.  
**A61B 17/221** ( 2006.01 )  
**A61B 1/00** ( 2006.01 )  
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**(31)** 62/469,902 **(32)** 10.03.17 **(33)** US  
**(43)** 13.09.2018  
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**(72)** Tah, Richard; Maclean, Brian; Hera, Mark; Pereira, Peter  
**(74)** Spruson & Ferguson

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**(51)** Int. Cl.  
**A61B 17/221** ( 2006.01 )  
**A61B 90/00** ( 2016.01 )  
**(87)** WO2018/191465  
**(31)** 62/484,989 **(32)** 13.04.17 **(33)** US  
**(43)** 18.10.2018  
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**(11)** AU-B-2020331318  
**(21)** 2020331318 **(22)** 04.08.2020  
**(54)** Penile prosthesis anchoring system  
**(51)** Int. Cl.  
**A61F 2/26** ( 2006.01 )  
**(87)** WO2021/030830  
**(31)** 62/884,810 **(32)** 09.08.19 **(33)** US  
 16/947,475 03.08.20 US  
**(43)** 18.02.2021  
**(44)** 12.10.2023  
**(72)** FELTON, Jessica Elizabeth; ROWLAND, Randall Paul; LUND, Jonathan J.; ALBRECHT, Thomas Andrew; GINDELE, Paul John; JOHNSON, Aaron Roydon; NELSON, Matthew Lee;

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**(74)** Spruson & Ferguson
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- (71)** Brien Holden Vision Institute Limited  
**(11)** AU-B-2021232659  
**(21)** 2021232659 **(22)** 13.09.2021  
**(54)** Lenses, devices, methods and systems for refractive error  
**(51)** Int. Cl.  
**A61F 2/14** ( 2006.01 )  
**A61B 3/00** ( 2006.01 )  
**A61F 2/16** ( 2006.01 )  
**G02C 7/02** ( 2006.01 )  
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**(44)** 12.10.2023  
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**(74)** Spruson & Ferguson
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**(11)** AU-B-2020333227  
**(21)** 2020333227 **(22)** 19.08.2020  
**(54)** A mouthpiece for an article for use in an aerosol provision system and an article for use in an aerosol provision system  
**(51)** Int. Cl.  
**A24D 3/04** ( 2006.01 )  
**A24D 3/06** ( 2006.01 )  
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**(31)** 1911872.8 **(32)** 19.08.19 **(33)** GB  
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**(44)** 12.10.2023  
**(72)** DUBEY, Umesh; DAVIES, Ianto; GRISHCHENKO, Andrei  
**(74)** Spruson & Ferguson
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- (71)** Broadbit Batteries Oy  
**(11)** AU-B-2018310713  
**(21)** 2018310713 **(22)** 02.08.2018  
**(54)** Improved electrochemical cells for high-energy battery use  
**(51)** Int. Cl.  
**H01M 4/13** ( 2010.01 )  
**H01G 11/58** ( 2013.01 )  
**H01M 4/134** ( 2010.01 )  
**H01M 4/38** ( 2006.01 )  
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- (71)** Bruin Biosciences, Inc.; The Regents of the University of California  
**(11)** AU-B-2018273988  
**(21)** 2018273988 **(22)** 25.05.2018  
**(54)** Chemoembolization agents  
**(51)** Int. Cl.  
**A61K 31/00** ( 2006.01 )  
**A61K 47/00** ( 2006.01 )  
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**(43)** 29.11.2018  
**(44)** 12.10.2023  
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- (71)** Canon Kabushiki Kaisha  
**(11)** AU-B-2021273659  
**(21)** 2021273659 **(22)** 26.11.2021  
**(54)** Cartridge, process cartridge, and electrophotographic image generation device  
**(51)** Int. Cl.  
**G03G 21/18** ( 2006.01 )  
**G03G 15/08** ( 2006.01 )  
**(43)** 16.12.2021  
**(44)** 12.10.2023  
**(62)** 2020202815  
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**(74)** Spruson & Ferguson
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- (71)** CareFusion 303, Inc.  
**(11)** AU-B-2022200461  
**(21)** 2022200461 **(22)** 25.01.2022  
**(54)** Male luer connector with valve having fluid path and vent path seals  
**(51)** Int. Cl.  
**A61M 39/26** ( 2006.01 )  
**(43)** 17.02.2022  
**(44)** 12.10.2023  
**(62)** 2020250200  
**(72)** MANSOUR, George Michel; PANIAN, Tyler Devin  
**(74)** FB Rice Pty Ltd
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- (71)** Caterpillar Inc.  
**(11)** AU-B-2020297963  
**(21)** 2020297963 **(22)** 18.05.2020  
**(54)** Filter element having potted gasket end cap assembly  
**(51)** Int. Cl.  
**B01D 29/21** ( 2006.01 )  
**(87)** WO2020/256869  
**(31)** 16/443,239 **(32)** 17.06.19 **(33)** US  
**(43)** 24.12.2020  
**(44)** 12.10.2023  
**(72)** IMMEL, Jon T.; MOREHOUSE III, Darrell L.; RIES, Jeffrey R.; RODRIGUEZ, Javier A.  
**(74)** FPA Patent Attorneys Pty Ltd
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- (71)** Centre National de la Recherche Scientifique; Universite d'Aix Marseille; Ecole Centrale de Marseille  
**(11)** AU-B-2018296676  
**(21)** 2018296676 **(22)** 06.07.2018  
**(54)** Solid organic antibacterial material  
**(51)** Int. Cl.  
**A61L 29/04** ( 2006.01 )  
**A61L 31/04** ( 2006.01 )  
**C08F 293/00** ( 2006.01 )  
**C08L 53/00** ( 2006.01 )  
**(87)** WO2019/008176  
**(31)** 1756390 **(32)** 06.07.17 **(33)** FR  
**(43)** 10.01.2019  
**(44)** 12.10.2023  
**(72)** GIGMES, Didier; GUILLANEUF, Yann; GUILLANEUF, Catherine; MARESCA, Marc René Sauveur; YSACCO, Cédric  
**(74)** FPA Patent Attorneys Pty Ltd
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- (71)** Chapin Manufacturing, Inc  
**(11)** AU-B-2018201194  
**(21)** 2018201194 **(22)** 20.02.2018  
**(54)** Fluid injection system  
**(51)** Int. Cl.  
**B01F 21/20** ( 2022.01 )  
**A01C 23/04** ( 2006.01 )  
**B05B 7/28** ( 2006.01 )  
**(31)** 15/807,265 **(32)** 08.11.17 **(33)** US  
**(43)** 23.05.2019  
**(44)** 12.10.2023  
**(72)** Dubiel, David; Horeth, Edward  
**(74)** Spruson & Ferguson
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- (71)** Chengdu Baiyu Pharmaceutical Co., Ltd.  
**(11)** AU-B-2020383646  
**(21)** 2020383646 **(22)** 12.11.2020  
**(54)** Amide derivative and preparation method therefore and use thereof in medicine  
**(51)** Int. Cl.  
**C07D 407/12** ( 2006.01 )  
**A61K 31/64** ( 2006.01 )  
**A61P 1/00** ( 2006.01 )  
**A61P 5/00** ( 2006.01 )  
**A61P 11/00** ( 2006.01 )  
**A61P 13/00** ( 2006.01 )  
**A61P 25/00** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**A61P 37/00** ( 2006.01 )  
**C07D 409/12** ( 2006.01 )  
**C07D 417/12** ( 2006.01 )  
**(87)** WO2021/093820  
**(31)** 201911103612.2 **(32)** 12.11.19 **(33)** CN  
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**(43)** 20.05.2021  
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**(72)** WEI, Yonggang; CHU, Hongzhu; GAO, Yue; XIONG, Lingfeng; SU, Guizhuan; WANG, Meiwei; SUN, Yi  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** ClearNote Health, Inc.  
**(11)** AU-B-2019222723  
**(21)** 2019222723 **(22)** 13.02.2019  
**(54)** Methods for the epigenetic analysis of DNA, particularly cell-free DNA  
**(51)** Int. Cl.  
**C07H 19/06** ( 2006.01 )  
**C12N 9/02** ( 2006.01 )  
**C12P 19/18** ( 2006.01 )  
**C12Q 1/6806** ( 2018.01 )  
**(87)** WO2019/160994  
**(31)** 62/630,798 **(32)** 14.02.18 **(33)** US

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- (71) Climate LLC  
 (11) AU-B-2021261947  
 (21) 2021261947 (22) 05.11.2021  
 (54) Ponding water detection on satellite imagery  
 (51) Int. Cl.  
**G06V 10/32** ( 2022.01 )
- (43) 02.12.2021  
 (44) 12.10.2023  
 (62) 2021229238  
 (72) Guan, Wei; Khadka, Pramithus  
 (74) Davies Collison Cave Pty Ltd
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- (71) CMBF Products, Inc.  
 (11) AU-B-2018307196  
 (21) 2018307196 (22) 13.07.2018  
 (54) Brake system for mine trucks  
 (51) Int. Cl.  
**B60T 13/22** ( 2006.01 )  
**F16D 55/24** ( 2006.01 )
- (87) WO2019/022965  
 (31) 62/537,153 (32) 26.07.17 (33) US  
 (43) 31.01.2019  
 (44) 12.10.2023  
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 (74) Spruson & Ferguson
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- (71) Command Sight, Inc.  
 (11) AU-B-2018360824  
 (21) 2018360824 (22) 02.11.2018  
 (54) Animal-wearable first person view system  
 (51) Int. Cl.  
**G02B 27/01** ( 2006.01 )  
**A01K 13/00** ( 2006.01 )  
**G02B 27/02** ( 2006.01 )  
**G02F 1/13357** ( 2006.01 )
- (87) WO2019/090052  
 (31) 16/030,672 (32) 09.07.18 (33) US  
 62/581,501 03.11.17 US  
 16/178,384 01.11.18 US
- (43) 09.05.2019  
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 (72) PEPER, Alan Robert; NESTOROVIC, Nenad  
 (74) RnB IP Pty Ltd
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- (71) ConocoPhillips Company  
 (11) AU-B-2019262121  
 (21) 2019262121 (22) 02.05.2019  
 (54) Production logging inversion based on DAS/DTS  
 (51) Int. Cl.  
**G06F 30/00** ( 2020.01 )  
**E21B 41/00** ( 2006.01 )  
**E21B 43/26** ( 2006.01 )  
**E21B 49/00** ( 2006.01 )  
**G01V 1/22** ( 2006.01 )
- (87) WO2019/213402  
 (31) 62/665,536 (32) 02.05.18 (33) US

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 (11) AU-B-2022201840  
 (21) 2022201840 (22) 16.03.2022  
 (54) A Cabinet and an Associated Method  
 (51) Int. Cl.  
**A47B 96/00** ( 2006.01 )  
**A47B 91/00** ( 2006.01 )  
**B25H 1/02** ( 2006.01 )  
**B25H 1/12** ( 2006.01 )
- (43) 07.04.2022  
 (44) 12.10.2023  
 (62) 2016231487  
 (72) Mansley, Stephen Philip  
 (74) Adams Pluck
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- (71) Contemporary Amperex Technology Co., Limited  
 (11) AU-B-2021354279  
 (21) 2021354279 (22) 18.08.2021  
 (54) Cylindrical battery cell, battery, electric device, manufacturing method, and manufacturing system  
 (51) Int. Cl.  
**H01M 50/533** ( 2021.01 )
- (87) WO2022/068449  
 (31) 202011058155.2 (32) 30.09.20 (33) CN  
 (43) 07.04.2022  
 (44) 12.10.2023  
 (72) WU, Kai; XING, Chengyou; KANG, Wenlong; SU, Huasheng; LI, Quankun  
 (74) Madderns Pty Ltd
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- (71) Corcept Therapeutics Incorporated  
 (11) AU-B-2020367769  
 (21) 2020367769 (22) 14.10.2020  
 (54) Method of normalizing the neutrophil to lymphocyte ratio in cancer patients with a selective glucocorticoid receptor antagonist  
 (51) Int. Cl.  
**A61K 31/4738** ( 2006.01 )  
**A61K 31/337** ( 2006.01 )  
**A61K 31/7068** ( 2006.01 )  
**A61K 45/06** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07D 471/04** ( 2006.01 )
- (87) WO2021/076565  
 (31) 62/915,865 (32) 16.10.19 (33) US  
 (43) 22.04.2021  
 (44) 12.10.2023  
 (72) GREENSTEIN, Andrew; LU, Lawrence; CUSTODIO, Joseph; SHEPHERD, Stacie  
 (74) KINGS PATENT & TRADE MARKS ATTORNEYS PTY LTD
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- (71) CPC Engineering Pty Ltd  
 (11) AU-B-2018326292  
 (21) 2018326292 (22) 28.08.2018  
 (54) Skirt system for a conveyor  
 (51) Int. Cl.

- B65G 21/20** ( 2006.01 )  
 (87) WO2019/040982  
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 (51) Int. Cl.  
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**G16H 40/63** ( 2018.01 )  
**G16H 40/67** ( 2018.01 )  
**G16H 50/20** ( 2018.01 )  
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**G11B 27/034** ( 2006.01 )  
**H04L 65/401** ( 2022.01 )  
**H04L 65/403** ( 2022.01 )  
**H04N 7/15** ( 2006.01 )  
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**(51)** Int. Cl.  
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**H04L 12/28** ( 2006.01 )  
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**B41F 15/08** ( 2006.01 )  
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**H05K 3/12** ( 2006.01 )  
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**(74)** FPA Patent Attorneys Pty Ltd

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**C07K 16/28** ( 2006.01 )  
**G01N 33/50** ( 2006.01 )  
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**(54)** Crystal form of tri-cycle compound and application thereof  
**(51)** Int. Cl.  
**C07D 487/00** ( 2006.01 )  
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**A61K 31/40** ( 2006.01 )  
**A61P 1/16** ( 2006.01 )  
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**G02B 6/44** ( 2006.01 )  
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**(74)** Davies Collison Cave Pty Ltd

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**(51)** Int. Cl.  
**C07D 498/14** ( 2006.01 )  
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**C07D 471/22** ( 2006.01 )  
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 (51) Int. Cl.  
**G10L 15/22** ( 2006.01 )  
**G06F 3/16** ( 2006.01 )  
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**G10L 15/18** ( 2013.01 )  
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 (72) CARBUNE, Victor; SHARIFI, Matthew  
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 (51) Int. Cl.  
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**H04L 9/00** ( 2022.01 )  
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 (51) Int. Cl.  
**A61B 5/097** ( 2006.01 )  
**G01N 33/497** ( 2006.01 )  
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**C22B 34/12** ( 2006.01 )  
**B03C 1/00** ( 2006.01 )  
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**B64C 39/02** ( 2006.01 )  
**G01W 1/08** ( 2006.01 )  
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 (51) Int. Cl.

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**B64F 1/20** ( 2006.01 )  
**B64F 1/36** ( 2017.01 )  
**F21V 5/00** ( 2018.01 )  
**F21V 8/00** ( 2006.01 )  
**F21V 19/00** ( 2006.01 )  
**F21V 29/503** ( 2015.01 )  
**F21V 29/51** ( 2015.01 )  
**F21V 29/70** ( 2015.01 )  
**F21W 111/06** ( 2006.01 )  
**F21Y 115/10** ( 2016.01 )  
 (43) 09.06.2022  
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 (72) MIZOBE, Norimasa  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) HTC Sweden AB  
 (11) AU-B-2018263783  
 (21) 2018263783 (22) 02.05.2018  
 (54) Valve, use of such valve, separator comprising such valve and method of operating a separator  
 (51) Int. Cl.  
**F16K 31/126** ( 2006.01 )  
**A47L 7/00** ( 2006.01 )  
**A47L 9/00** ( 2006.01 )  
**A47L 9/20** ( 2006.01 )

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**B01D 45/00** ( 2006.01 )  
**B01D 46/00** ( 2006.01 )  
**B01D 46/24** ( 2006.01 )  
**F16K 31/06** ( 2006.01 )  
**F16K 31/128** ( 2006.01 )  
**F16K 39/02** ( 2006.01 )  
**(87)** WO2018/202670  
**(31)** 1750525-6                   **(32)** 02.05.17 **(33)** SE  
**(43)** 08.11.2018  
**(44)** 12.10.2023  
**(72)** Fogelberg, Andreas  
**(74)** Spruson & Ferguson

**(71)** H-TEC SYSTEMS GmbH  
**(11)** AU-B-2018253926  
**(21)** 2018253926                   **(22)** 19.04.2018  
**(54)** Electrochemical device and method for operating an electrochemical device  
**(51)** Int. Cl.  
**C25B 15/08** ( 2006.01 )  
**H01M 8/04082** ( 2016.01 )  
**H01M 8/04089** ( 2016.01 )  
**H01M 8/1018** ( 2016.01 )  
**(87)** WO2018/193071  
**(31)** 10 2017 108 440.1 **(32)** 20.04.17 **(33)** DE  
**(43)** 25.10.2018  
**(44)** 12.10.2023  
**(72)** Herrmann, Joachim; Allebrod, Frank  
**(74)** Spruson & Ferguson

**(71)** Huawei Digital Power Technologies Co., Ltd.  
**(11)** AU-B-2019478501  
**(21)** 2019478501                   **(22)** 20.12.2019  
**(54)** DC-DC CONVERTER  
**(51)** Int. Cl.  
**H02M 3/155** ( 2006.01 )  
**(87)** WO2021/120220  
**(43)** 24.06.2021  
**(44)** 12.10.2023  
**(72)** CHEN, Dong; SHI, Lei; WANG, Zhaohui  
**(74)** Phillips Ormonde Fitzpatrick

**(71)** Huawei Technologies Co., Ltd.  
**(11)** AU-B-2020285262  
**(21)** 2020285262                   **(22)** 29.05.2020  
**(54)** Error recovery method and apparatus  
**(51)** Int. Cl.  
**G06F 11/16** ( 2006.01 )  
**(87)** WO2020/239060  
**(31)** 201910473113.6 **(32)** 31.05.19 **(33)** CN  
**(43)** 03.12.2020  
**(44)** 12.10.2023  
**(72)** GENG, Dongjiu; LI, Shuo; LIANG, Yongxiang; LIN, Qiangmin  
**(74)** Spruson & Ferguson

**(71)** Huawei Technologies Co., Ltd.  
**(11)** AU-B-2020295588  
**(21)** 2020295588                   **(22)** 17.06.2020  
**(54)** Congestion control method and device  
**(51)** Int. Cl.  
**H04W 28/02** ( 2009.01 )  
**H04W 76/30** ( 2018.01 )  
**(87)** WO2020/253735  
**(31)** 201910520532.0 **(32)** 17.06.19 **(33)** CN  
**(43)** 24.12.2020

**(44)** 12.10.2023  
**(72)** HU, Li  
**(74)** Phillips Ormonde Fitzpatrick

**(71)** Huawei Technologies Co., Ltd.  
**(11)** AU-B-2020354548  
**(21)** 2020354548                   **(22)** 23.09.2020  
**(54)** Filter flags for subpicture deblocking  
**(51)** Int. Cl.  
**H04N 19/134** ( 2014.01 )  
**G06V 10/44** ( 2022.01 )  
**H04N 19/117** ( 2014.01 )  
**H04N 19/52** ( 2014.01 )  
**H04N 19/55** ( 2014.01 )  
**H04N 19/70** ( 2014.01 )  
**H04N 19/82** ( 2014.01 )  
**(87)** WO2021/061826  
**(31)** 62/905,231                   **(32)** 24.09.19 **(33)** US  
**(43)** 01.04.2021  
**(44)** 12.10.2023  
**(72)** HENDRY, Fnu; WANG, Ye-Kui; CHEN, Jianle  
**(74)** Spruson & Ferguson

**(71)** Huawei Technologies Co., Ltd.  
**(11)** AU-B-2020460273  
**(21)** 2020460273                   **(22)** 30.07.2020  
**(54)** Communication method and communication apparatus  
**(51)** Int. Cl.  
**H04W 36/00** ( 2009.01 )  
**(87)** WO2022/021248  
**(43)** 03.02.2022  
**(44)** 12.10.2023  
**(72)** QIANG, Li; YANG, Leping; FAN, Jing; TAN, Jiayao; LI, Meng  
**(74)** Phillips Ormonde Fitzpatrick

**(71)** Huawei Technologies Co., Ltd.  
**(11)** AU-B-2021202691  
**(21)** 2021202691                   **(22)** 30.04.2021  
**(54)** TERMINAL ROAMING STEERING METHOD AND APPARATUS, DEVICE, AND COMPUTER-READABLE STORAGE MEDIUM  
**(51)** Int. Cl.  
**H04W 36/26** ( 2009.01 )  
**H04W 36/08** ( 2009.01 )  
**H04W 48/20** ( 2009.01 )  
**(31)** 202010366188.7 **(32)** 30.04.20 **(33)** CN  
**(43)** 18.11.2021  
**(44)** 12.10.2023  
**(72)** Sun, Fuqing; Ma, Zhi; Bai, Xiaofei; Bao, Dewei  
**(74)** Phillips Ormonde Fitzpatrick

**Huizhou Clear Lighting Co., Ltd. see Shenzhen Clear Lighting Co., Ltd.**  
**(21)** 2021302026

**(71)** HUNTSMAN INTERNATIONAL LLC  
**(11)** AU-B-2022203029  
**(21)** 2022203029                   **(22)** 05.05.2022  
**(54)** FUNCTIONALIZED POLYACRYLATE POLYMER COMPOSITIONS  
**(51)** Int. Cl.

**C04B 24/16** ( 2006.01 )  
**C04B 24/26** ( 2006.01 )  
**C04B 28/02** ( 2006.01 )  
**C04B 40/00** ( 2006.01 )  
**(43)** 26.05.2022  
**(44)** 12.10.2023  
**(62)** 2017368100  
**(72)** WIBOWO, Antonius; WAMBACQ, Ben; FANG, Xiaohua; ZHAO, Haibo  
**(74)** Houlihan Intellectual Property Pty Ltd

**(71)** Illumina, Inc.  
**(11)** AU-B-2021277671  
**(21)** 2021277671                   **(22)** 01.12.2021  
**(54)** System and method for secondary analysis of nucleotide sequencing data  
**(51)** Int. Cl.  
**G16B 20/00** ( 2019.01 )  
**G16B 30/00** ( 2019.01 )  
**(43)** 23.12.2021  
**(44)** 12.10.2023  
**(62)** 2020207826  
**(72)** GARCIA, Francisco Jose; RACZY, Come; DAY, Aaron; CARNEY, Michael J.  
**(74)** FB Rice Pty Ltd

**(71)** Imagine Intelligent Materials Ltd  
**(11)** AU-B-2018233157  
**(21)** 2018233157                   **(22)** 13.03.2018  
**(54)** Piezocapacitive textile using graphene  
**(51)** Int. Cl.  
**D06M 11/74** ( 2006.01 )  
**G01B 7/16** ( 2006.01 )  
**G01L 1/14** ( 2006.01 )  
**G01L 1/18** ( 2006.01 )  
**(87)** WO2018/165703  
**(31)** 2017900865                   **(32)** 13.03.17 **(33)** AU  
**(43)** 20.09.2018  
**(44)** 12.10.2023  
**(72)** Aitchison, Phillip; Giorgio, Vito; Gorkin, Robert  
**(74)** Franke Hyland Pty Ltd

**(71)** Implantica Patent Ltd  
**(11)** AU-B-2021245239  
**(21)** 2021245239                   **(22)** 08.10.2021  
**(54)** Abdominal Instrument And Method  
**(51)** Int. Cl.  
**A61F 5/00** ( 2006.01 )  
**A61B 17/34** ( 2006.01 )  
**A61B 17/00** ( 2006.01 )  
**(43)** 04.11.2021  
**(44)** 12.10.2023  
**(62)** 2018319204  
**(72)** Forsell, Peter  
**(74)** WRAYS PTY LTD

**(71)** Instituto de Medicina Molecular João Lobo Antunes  
**(11)** AU-B-2018332608  
**(21)** 2018332608                   **(22)** 14.09.2018  
**(54)** TRPV2 antagonists  
**(51)** Int. Cl.  
**A61K 31/4412** ( 2006.01 )  
**A61K 9/00** ( 2006.01 )  
**A61K 9/06** ( 2006.01 )

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**A61K 45/06** ( 2006.01 )  
**A61K 47/69** ( 2017.01 )  
**A61P 35/00** ( 2006.01 )  
**G01N 33/574** ( 2006.01 )  
**(87)** WO2019/054891  
**(31)** 1715008.7 **(32)** 18.09.17 **(33)** GB  
**(43)** 21.03.2019  
**(44)** 12.10.2023  
**(72)** BERNARDES, Gonçalo; RODRIGUES, Tiago; CONDE, João; BAKER, Charlotte  
**(74)** FB Rice Pty Ltd

**(71)** Intelligent Wellhead Systems Inc.  
**(11)** AU-B-2018255518  
**(21)** 2018255518 **(22)** 18.04.2018  
**(54)** System, apparatus and method for detecting wireline tools  
**(51)** Int. Cl.  
**E21B 47/092** ( 2012.01 )  
**(87)** WO2018/191820  
**(31)** 62/486,719 **(32)** 18.04.17 **(33)** US  
**(43)** 25.10.2018  
**(44)** 12.10.2023  
**(72)** Martin, Bradley Robert; Carlson, Aaron Mitchell  
**(74)** Spruson & Ferguson

**(71)** Intuit Inc.  
**(11)** AU-B-2022201262  
**(21)** 2022201262 **(22)** 24.02.2022  
**(54)** Custom report builder  
**(51)** Int. Cl.  
**G06N 5/02** ( 2006.01 )  
**G06F 16/20** ( 2019.01 )  
**G06Q 10/10** ( 2012.01 )  
**(31)** 202141018217 **(32)** 20.04.21 **(33)** IN  
 17/366,002 01.07.21 US  
**(43)** 03.11.2022  
**(44)** 12.10.2023  
**(72)** Saimani, Jayanth; Mishra, Ashish Kumar; Shah, Manish Ramesh  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Intuit Inc.  
**(11)** AU-B-2022204597  
**(21)** 2022204597 **(22)** 28.06.2022  
**(54)** End to end trainable document extraction  
**(51)** Int. Cl.  
**G06T 7/00** ( 2017.01 )  
**G06N 20/00** ( 2019.01 )  
**(31)** 17/649,467 **(32)** 31.01.22 **(33)** US  
**(43)** 17.08.2023  
**(44)** 12.10.2023  
**(72)** Rossi, Dominic Miguel; Xiao, Xiao  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Inventio AG  
**(11)** AU-B-2020268633  
**(21)** 2020268633 **(22)** 04.05.2020  
**(54)** Method for recording elevator data and for generating a digital twin of an existing elevator installation  
**(51)** Int. Cl.  
**B66B 5/00** ( 2006.01 )

**B66B 19/00** ( 2006.01 )  
**G06F 30/13** ( 2020.01 )  
**(87)** WO2020/225203  
**(31)** 19173039.9 **(32)** 07.05.19 **(33)** EP  
**(43)** 12.11.2020  
**(44)** 12.10.2023  
**(72)** CORTONA, Elena  
**(74)** Griffith Hack

**Ivanova, L. see Polyakov, I.**  
**(21)** 2017234985

**(71)** Johnson & Johnson Consumer Inc.  
**(11)** AU-B-2018342767  
**(21)** 2018342767 **(22)** 24.09.2018  
**(54)** Topical composition and method for treating and preventing atopic dermatitis and infections related to bacteria biofilm  
**(51)** Int. Cl.  
**A61K 9/00** ( 2006.01 )  
**A61K 9/107** ( 2006.01 )  
**A61K 47/18** ( 2017.01 )  
**(87)** WO2019/064162  
**(31)** 62/563,114 **(32)** 26.09.17 **(33)** US  
**(43)** 04.04.2019  
**(44)** 12.10.2023  
**(72)** NOE, Sandra; ROSSANO, Manon  
**(74)** Spruson & Ferguson

**(71)** K.K. CYBO  
**(11)** AU-B-2021241070  
**(21)** 2021241070 **(22)** 24.02.2021  
**(54)** Imaging flow cytometer, sorting method, and calibration method  
**(51)** Int. Cl.  
**G01N 15/14** ( 2006.01 )  
**C12M 1/34** ( 2006.01 )  
**C12Q 1/06** ( 2006.01 )  
**G01N 21/49** ( 2006.01 )  
**G01N 21/53** ( 2006.01 )  
**G01N 33/483** ( 2006.01 )  
**(87)** WO2021/192786  
**(31)** 2020-052197 **(32)** 24.03.20 **(33)** JP  
 2020-128502 29.07.20 JP  
**(43)** 30.09.2021  
**(44)** 12.10.2023  
**(72)** NITTA, Nao; SUGIMURA, Takeaki  
**(74)** FB Rice Pty Ltd

**(71)** KABUSHIKI KAISHA TOSHIBA  
**(11)** AU-B-202221509  
**(21)** 202221509 **(22)** 25.08.2022  
**(54)** DECODING DEVICE AND DECODING METHOD  
**(51)** Int. Cl.  
**H04N 19/50** ( 2014.01 )  
**H04N 19/103** ( 2014.01 )  
**H04N 19/70** ( 2014.01 )  
**(43)** 22.09.2022  
**(44)** 12.10.2023  
**(62)** 2021200773  
**(72)** Shiodera, Taichiro; Tanizawa, Akiyuki; Chujoh, Takeshi  
**(74)** Griffith Hack

**(71)** Kimberly-Clark Worldwide, Inc.  
**(11)** AU-B-2017350800  
**(21)** 2017350800 **(22)** 25.10.2017  
**(54)** Method for archiving a microbiome  
**(51)** Int. Cl.  
**C12Q 1/02** ( 2006.01 )  
**G01N 33/50** ( 2006.01 )  
**(87)** WO2018/081196  
**(31)** 62/414,937 **(32)** 31.10.16 **(33)** US  
**(43)** 03.05.2018  
**(44)** 12.10.2023  
**(72)** Vongsa, Rebecca A.; Koenig, David W.  
**(74)** Spruson & Ferguson

**(71)** Kimberly-Clark Worldwide, Inc.  
**(11)** AU-B-2017426388  
**(21)** 2017426388 **(22)** 31.07.2017  
**(54)** Absorbent article with bodyside liner providing a barrier region  
**(51)** Int. Cl.  
**A61F 13/494** ( 2006.01 )  
**A61F 13/49** ( 2006.01 )  
**A61F 13/496** ( 2006.01 )  
**(87)** WO2019/027406  
**(43)** 07.02.2019  
**(44)** 12.10.2023  
**(72)** KLEUSKENS, Sarah A.; LEE, Sang-Wook  
**(74)** Spruson & Ferguson

**(71)** Kimberly-Clark Worldwide, Inc.  
**(11)** AU-B-2018307483  
**(21)** 2018307483 **(22)** 20.07.2018  
**(54)** Absorbent article having a reduced humidity level  
**(51)** Int. Cl.  
**A61F 13/53** ( 2006.01 )  
**A61F 13/472** ( 2006.01 )  
**A61F 13/537** ( 2006.01 )  
**A61L 15/60** ( 2006.01 )  
**(87)** WO2019/023066  
**(31)** 62/538,000 **(32)** 28.07.17 **(33)** US  
**(43)** 31.01.2019  
**(44)** 12.10.2023  
**(72)** LEE, WanDuk; MACDONALD, J. Gavin; MCBRIDE, Michelle; RODRIGUEZ, Karien J.; VALASKEY, Matthew; SCHOLL, Neil T.; GALABURA, Yuriy; MLEZIVA, Mark M.; TOPOLKARAEV, Vasily A.; SOERENS, Dave  
**(74)** Spruson & Ferguson

**(71)** Kimberly-Clark Worldwide, Inc.  
**(11)** AU-B-2018341592  
**(21)** 2018341592 **(22)** 27.09.2018  
**(54)** Twill woven papermaking fabrics  
**(51)** Int. Cl.  
**D03D 13/00** ( 2006.01 )  
**D21F 1/00** ( 2006.01 )  
**D21F 5/18** ( 2006.01 )  
**D21F 7/08** ( 2006.01 )  
**(87)** WO2019/067686  
**(31)** 62/565,582 **(32)** 29.09.17 **(33)** US  
**(43)** 04.04.2019  
**(44)** 12.10.2023  
**(72)** COLLINS, Lynda Ellen; BURAZIN, Mark Alan  
**(74)** Spruson & Ferguson

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 (11) AU-B-2020282145  
 (21) 2020282145 (22) 25.05.2020  
 (54) Map generation system and map generation method  
 (51) Int. Cl.  
*E02F 9/26* ( 2006.01 )  
 (87) WO2020/241572  
 (31) 2019-103158 (32) 31.05.19 (33) JP  
 (43) 03.12.2020  
 (44) 12.10.2023  
 (72) TAKAHAMA, Kazuhisa  
 (74) FB Rice Pty Ltd

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(71) Komatsu Ltd.  
 (11) AU-B-2021292816  
 (21) 2021292816 (22) 13.05.2021  
 (54) System and method for controlling work machine, and work machine  
 (51) Int. Cl.  
*E02F 3/85* ( 2006.01 )  
*E02F 9/20* ( 2006.01 )  
 (87) WO2021/256136  
 (31) 2020-105941 (32) 19.06.20 (33) JP  
 (43) 23.12.2021  
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 (72) KADONO, Yuuichi  
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 (11) AU-B-2018342752  
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 (54) Method and apparatus of extracting energy from water waves to generate electric power  
 (51) Int. Cl.  
*F03B 13/14* ( 2006.01 )  
*F03B 13/18* ( 2006.01 )  
*F03B 13/22* ( 2006.01 )  
 (87) WO2019/064080  
 (31) ZM13/2017 (32) 28.07.17 (33) ZM  
 (43) 04.04.2019  
 (44) 12.10.2023  
 (72) KUMWENDA, Misheck Harris  
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 (21) 2019204147 (22) 13.06.2019  
 (54) DEVICE FOR DELIVERING AT LEAST A LAYER OF COMPOST AND CASING SOIL TO A SHELVING FOR GROWING MUSHROOMS  
 (51) Int. Cl.  
*A01G 18/60* ( 2018.01 )  
 (31) 2021123 (32) 14.06.18 (33) NL  
 (43) 16.01.2020  
 (44) 12.10.2023  
 (72) LEMMEN, Jacobus Alexander Jozef; VAN DOREMAELE, Marcus Gerardus Maria  
 (74) IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD

(71) Les systèmes Cyberkar  
 (11) AU-B-2018303353  
 (21) 2018303353 (22) 05.07.2018  
 (54) Configurable management system for a vehicle and method of use  
 (51) Int. Cl.  
*B60R 16/023* ( 2006.01 )  
*G05B 19/042* ( 2006.01 )  
*H04L 12/40* ( 2006.01 )  
 (87) WO2019/014754  
 (31) 62/535,086 (32) 20.07.17 (33) US  
 (43) 24.01.2019  
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 (72) DESCHÊNES, Eric  
 (74) Madderns Pty Ltd

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(71) LG Electronics Inc.  
 (11) AU-B-2020247645  
 (21) 2020247645 (22) 26.03.2020  
 (54) Transform-based image coding method and device therefor  
 (51) Int. Cl.  
*H04N 19/61* ( 2014.01 )  
*H04N 19/11* ( 2014.01 )  
*H04N 19/132* ( 2014.01 )  
*H04N 19/593* ( 2014.01 )  
*H04N 19/70* ( 2014.01 )  
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 (31) 62/824,243 (32) 26.03.19 (33) US  
 (43) 01.10.2020  
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 (72) KOO, Moonmo; LIM, Jaehyun; NAM, Junghak; KIM, Seunghwan  
 (74) Dentons Patent Attorneys Australasia Limited

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(71) LG Electronics Inc.  
 (11) AU-B-2021204809  
 (21) 2021204809 (22) 09.07.2021  
 (54) MOTOR FAN  
 (51) Int. Cl.  
*H02K 9/06* ( 2006.01 )  
*F04D 29/059* ( 2006.01 )  
*F04D 29/58* ( 2006.01 )  
*H02K 7/14* ( 2006.01 )  
 (31) 10-2020-0084923 (32) 09.07.20 (33) KR  
 (43) 27.01.2022  
 (44) 12.10.2023  
 (72) KIM, Sunggi; KIM, Byungjik; HWANG, Eunji; HWANG, Jisu  
 (74) Dentons Patent Attorneys Australasia Limited

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(71) LG Electronics Inc.  
 (11) AU-B-2021416462  
 (21) 2021416462 (22) 11.11.2021  
 (54) Refrigerator  
 (51) Int. Cl.  
*F25D 23/06* ( 2006.01 )  
 (87) WO2022/163979  
 (31) 10-2021-0010777 (32) 26.01.21 (33) KR  
 (43) 04.08.2022  
 (44) 12.10.2023  
 (72) SEO, Haewon; PARK, Dohyun; KANG, Sunghee; KIM, Kihwang  
 (74) Dentons Patent Attorneys Australasia Limited

(71) LG ELECTRONICS INC.  
 (11) AU-B-2021245212  
 (21) 2021245212 (22) 08.10.2021  
 (54) LAUNDRY TREATING APPARATUS  
 (51) Int. Cl.  
*D06F 39/12* ( 2006.01 )  
*D06F 29/00* ( 2006.01 )  
*D06F 31/00* ( 2006.01 )  
*D06F 39/02* ( 2006.01 )  
*D06F 39/08* ( 2006.01 )  
 (31) 10-2020-0133618 (32) 15.10.20 (33) KR  
 (43) 05.05.2022  
 (44) 12.10.2023  
 (72) LEE, Jihong; JEONG, Kwanwoong; LEE, Minsu  
 (74) Dentons Patent Attorneys Australasia Limited

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(71) LG ELECTRONICS INC.  
 (11) AU-B-2022202406  
 (21) 2022202406 (22) 12.04.2022  
 (54) WATER PURIFYING APPARATUS AND REFRIGERATOR INCLUDING THE SAME  
 (51) Int. Cl.  
*B01D 35/30* ( 2006.01 )  
*B01D 27/08* ( 2006.01 )  
*F16K 27/12* ( 2006.01 )  
*F16L 21/00* ( 2006.01 )  
*F25D 23/12* ( 2006.01 )  
 (31) 10-2021-0047919 (32) 13.04.21 (33) KR  
 (43) 27.10.2022  
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 (72) KIM, Youngjae; YOON, Changhwan  
 (74) Dentons Patent Attorneys Australasia Limited

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(71) LG Energy Solution, LTD  
 (11) AU-B-2018310053  
 (21) 2018310053 (22) 05.07.2018  
 (54) BATTERY MODULE, AND BATTERY PACK AND ENERGY STORAGE SYSTEM INCLUDING THE SAME  
 (51) Int. Cl.  
*H01M 50/20* ( 2021.01 )  
*H01M 10/613* ( 2014.01 )  
*H01M 10/627* ( 2014.01 )  
*H01M 10/655* ( 2014.01 )  
 (87) WO2019/027149  
 (31) 10-2017-0096808 (32) 31.07.17 (33) KR  
 (43) 07.02.2019  
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 (72) Lee, Bum-Hyun; Shin, Jin-Kyu  
 (74) Collison & Co

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(71) Longi Green Energy Technology Co., Ltd.  
 (11) AU-B-2020439578  
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 (51) Int. Cl.  
*H01L 31/0725* ( 2012.01 )  
*H01L 31/074* ( 2012.01 )  
 (87) WO2021/196606  
 (31) 202010239146.7 (32) 30.03.20 (33) CN  
 (43) 07.10.2021

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 (72) WU, Zhao; XU, Chen; LI, Zifeng  
 (74) WRAYS PTY LTD

(71) Magic Leap, Inc.  
 (11) AU-B-2018369757  
 (21) 2018369757 (22) 14.11.2018  
 (54) Fully convolutional interest point detection and description via homographic adaptation  
 (51) Int. Cl.  
 G06F 18/213 ( 2023.01 )  
 G06N 3/02 ( 2006.01 )  
 G06N 20/00 ( 2019.01 )  
 G06T 3/40 ( 2006.01 )

(87) WO2019/099515  
 (31) 62/586,149 (32) 14.11.17 (33) US  
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 (43) 23.05.2019  
 (44) 12.10.2023  
 (72) RABINOVICH, Andrew; DETONE, Daniel; MALISIEWICZ, Tomasz Jan  
 (74) Davies Collison Cave Pty Ltd

(71) MAKO Surgical Corp.  
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 A61B 8/08 ( 2006.01 )  
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*G06F 16/45* ( 2019.01 )  
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**A61K 47/26** ( 2006.01 )  
**A61P 31/04** ( 2006.01 )  
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 (11) AU-B-2021231690  
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- (71) ZTE Corporation  
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(21) 2020395266 (22) 19.05.2020  
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*H04W 76/10* ( 2018.01 )  
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(72) MA, Zijiang; LIANG, Shuang; LI, Zhen-dong  
(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd



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<b>2016365724</b>	Berkeley Lights, Inc.	<b>2018302359</b>	Electrolux Appliances Aktiebolag
<b>2016383713</b>	SmileSonica Inc.	<b>2018302519</b>	SABIC Global Technologies B.V.
<b>2017201185</b>	Beyrodt's Best LLC	<b>2018303353</b>	Les systèmes Cyberkar
<b>2017203727</b>	Repossi Macchine Agricole S.r.l.	<b>2018303667</b>	Becton, Dickinson and Company
<b>2017219602</b>	Regeneron Pharmaceuticals, Inc.	<b>2018307196</b>	CMBF Products, Inc.
<b>2017223293</b>	Drexel University	<b>2018307483</b>	Kimberly-Clark Worldwide, Inc.
<b>2017233923</b>	Biotest AG	<b>2018309057</b>	Vitro Flat Glass LLC
<b>2017234985</b>	Polyakov, I.; Ivanova, L.	<b>2018310053</b>	LG Energy Solution, LTD
<b>2017235923</b>	Mettler-Toledo Safeline Ltd.	<b>2018310713</b>	Broadbit Batteries Oy
<b>2017240721</b>	Spark Therapeutics, Inc.	<b>2018311059</b>	Vitro Flat Glass LLC
<b>2017252343</b>	Faron Pharmaceuticals Oy	<b>2018311298</b>	Acell Industries Limited
<b>2017252504</b>	Genome Research Limited	<b>2018313696</b>	MT INNOVATIONS, LLC.
<b>2017266738</b>	Universität Basel; Hookipa Biotech GmbH	<b>2018315750</b>	O&M Halyard International Unlimited Company
<b>2017270579</b>	The Board of Trustees of the University of Illinois; The Regents of the University of California	<b>2018326292</b>	CPC Engineering Pty Ltd
<b>2017279806</b>	Saltor Pty Ltd	<b>2018327339</b>	Phosplatin Therapeutics Inc.
<b>2017313844</b>	UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INCORPORATED	<b>2018332608</b>	Instituto de Medicina Molecular João Lobo Antunes
<b>2017326354</b>	Acument Intellectual Properties, LLC	<b>2018335601</b>	Menarini Silicon Biosystems S.p.A.
<b>2017326743</b>	SleeperTech Pty Ltd	<b>2018337035</b>	Becton, Dickinson and Company
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<b>2017350800</b>	Kimberly-Clark Worldwide, Inc.	<b>2018342752</b>	Kumwenda, M.
<b>2017356785</b>	Random Walk Imaging AB	<b>2018342767</b>	Johnson & Johnson Consumer Inc.
<b>2017360168</b>	Astellas Pharma Inc.	<b>2018344852</b>	Veg of Lund AB
<b>2017361114</b>	Swisslog Australia Pty Limited	<b>2018360824</b>	Command Sight, Inc.
<b>2017364127</b>	Pitt, K.	<b>2018368796</b>	Shearwater GeoServices Software Inc.
<b>2017388204</b>	Shoreline Biome, LLC	<b>2018369757</b>	Magic Leap, Inc.
<b>2017388638</b>	Maytronics Ltd.	<b>2018392616</b>	Ribon Therapeutics Inc.
<b>2017391172</b>	Heartland Consumer Products, LLC	<b>2018405051</b>	Beijing Tusen Weilai Technology Co., Ltd.; TuSimple, Inc.
<b>2017392273</b>	GCE Holding AB	<b>2019200498</b>	ADTRAN, Inc.
<b>2017400910</b>	Epygon	<b>2019201441</b>	SAMSUNG ELECTRONICS CO., LTD.
<b>2017426388</b>	Kimberly-Clark Worldwide, Inc.	<b>2019204147</b>	LEMMEN, J.; VAN DOREMAELE, M.
<b>2017436073</b>	Razer (Asia-Pacific) Pte. Ltd.	<b>2019209166</b>	Qualcomm Incorporated
<b>2018201194</b>	Chapin Manufacturing, Inc	<b>2019211032</b>	Bierzynski, G.
<b>2018203350</b>	VARIDESK, LLC	<b>2019214188</b>	Adagene Inc.
<b>2018207172</b>	MiNK Therapeutics, Inc.	<b>2019216883</b>	The Utree Group Pty Ltd
<b>2018214148</b>	The Boeing Company	<b>2019222723</b>	ClearNote Health, Inc.
<b>2018224313</b>	Radio Systems Corporation	<b>2019224471</b>	Nouryon Chemicals International B.V.
<b>2018225575</b>	Filtration Technology Corporation	<b>2019229097</b>	GOJO Industries, Inc.
<b>2018226500</b>	Everi Games, Inc	<b>2019261532</b>	Microsoft Technology Licensing, LLC
<b>2018229683</b>	DSB Co Pty Ltd	<b>2019262121</b>	ConocoPhillips Company
<b>2018229746</b>	Sanofi-Aventis Deutschland GmbH	<b>2019262599</b>	Amgen Inc.
<b>2018230445</b>	Boston Scientific Scimed, Inc.	<b>2019265606</b>	Aziende Chimiche Riunite Angelini Francesco - A.C.R.A.F. S.p.A.
<b>2018233157</b>	Imagine Intelligent Materials Ltd	<b>2019271799</b>	Xgene Pharmaceutical Inc.
<b>2018236205</b>	OrthAlign, Inc.	<b>2019275308</b>	Halliburton Energy Services, Inc.
<b>2018236343</b>	Sealed Air Corporation (US)	<b>2019283310</b>	Bayer Aktiengesellschaft
<b>2018251886</b>	Boston Scientific Scimed, Inc.	<b>2019287669</b>	Maxeon Solar Pte. Ltd.
<b>2018251888</b>	Vanderbilt University	<b>2019296320</b>	Xinfu (Beijing) Medical Technology Co., Ltd.
<b>2018253926</b>	H-TEC SYSTEMS GmbH	<b>2019325112</b>	Fujian Akeylink Biotechnology Co., Ltd.
<b>2018255518</b>	Intelligent Wellhead Systems Inc.	<b>2019330774</b>	Stamets, P.
<b>2018255926</b>	Allogene Therapeutics, Inc.	<b>2019336133</b>	SiNtx Technologies, Inc.
<b>2018259152</b>	Fitpac Pty Ltd	<b>2019398123</b>	Becton, Dickinson and Company
<b>2018263370</b>	Mosen Ltd	<b>2019442805</b>	Anhui Aode Mining Machinery & Equipment Ltd.
<b>2018263783</b>	HTC Sweden AB	<b>2019458186</b>	Samyang Corporation
<b>2018273988</b>	Bruin Biosciences, Inc.; The Regents of the University of California	<b>2019462239</b>	Amicro Semiconductor Co., Ltd.
<b>2018277057</b>	Oerlikon Metco AG, Wohlen	<b>2019478501</b>	Huawei Digital Power Technologies Co., Ltd.
<b>2018278249</b>	Sika Technology AG	<b>2020212005</b>	Becton, Dickinson and Company
<b>2018280854</b>	Envican GmbH	<b>2020218330</b>	BiomEdit, LLC
<b>2018283983</b>	Becton, Dickinson and Company	<b>2020224963</b>	Walter Maschinenbau GmbH
<b>2018287131</b>	BASF SE	<b>2020232314</b>	Aerie Pharmaceuticals, Inc.
<b>2018293755</b>	Veolia Water Solutions & Technologies Support	<b>2020247645</b>	LG Electronics Inc.
<b>2018294519</b>	Ascendis Pharma A/S	<b>2020259078</b>	Exentis Knowledge GmbH
<b>2018296676</b>	Centre National de la Recherche Scientifique; Université d'Aix Marseille; Ecole Centrale de Marseille	<b>2020259548</b>	Edigene Therapeutics (Beijing) Inc.; Peking University
<b>2018297637</b>	Acergy France SAS	<b>2020260204</b>	Neuboron Therapy System Ltd.
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2020282145	Komatsu Ltd.	2021273580	MAKO Surgical Corp.
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2020291190	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.	2021277671	Illumina, Inc.
2020295588	Huawei Technologies Co., Ltd.	2021284970	Shell Internationale Research Maatschappij B.V.
2020297963	Caterpillar Inc.	2021288503	Siemens Energy Global GmbH & Co. KG
2020315266	Rise Gardens Inc.	2021290132	Apple Inc.
2020317357	Nanjing Chervon Industry Co., Ltd.	2021290997	MedImmune Limited
2020330713	Wonderland Switzerland AG	2021292816	Komatsu Ltd.
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2020333227	British American Tobacco (Investments) Limited	2021304552	SunTracker Technologies Ltd.
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2020355607	Wonderland Switzerland AG	2021376160	Google LLC
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2020367769	Corcept Therapeutics Incorporated	2021416462	LG Electronics Inc.
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2020384947	Health Innovision Company Limited	2022200325	Snap-on Incorporated
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2020390437	Work Air Technologies Pty Ltd	2022200672	WBV Weisenburger Bau+Verwaltung GmbH
2020392900	Nicoventures Trading Limited	2022200722	Toyota Boshoku Kabushiki Kaisha
2020393036	3M Innovative Properties Company	2022200881	The Regents of the University of California
2020393311	Tundra Drone AS	2022200955	Prologium Technology Co., Ltd.; Prologium Holding Inc.
2020395266	ZTE Corporation	2022201043	SDB IP Holdings, LLC
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2020439578	Longi Green Energy Technology Co., Ltd.	2022203060	Bidi Vapor, LLC
2020460273	Huawei Technologies Co., Ltd.	2022203438	HotaluX, Ltd.
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2021204634	Edwards Lifesciences Corporation	2022209222	TTI (Macao Commercial Offshore) Limited
2021204787	Pharmalink International Limited	2022221509	KABUSHIKI KAISHA TOSHIBA
2021204809	LG Electronics Inc.	2022232395	THOMAS, K.; THOMPSON, A.
2021209178	ResMed Pty Ltd	2022235534	DEKA Products Limited Partnership
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2021247137	Norwegian University of Science and Technology (NTNU)		
2021249298	Nippon Steel Engineering Co., Ltd.		
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2018360824	2021244976	<b><u>A47K 5 /-</u></b>	2018229683	2019296320	<b><u>A61M 27 /-</u></b>
<b><u>A01K 15 /-</u></b>	<b><u>A23L 19 /-</u></b>	2019222907	2018313696	2020367769	2021258086
2018224313	2018344852	<b><u>A47L 7 /-</u></b>	2020331318	2020385054	<b><u>A61K 45 /-</u></b>
<b><u>A01K 27 /-</u></b>	<b><u>A23L 2 /-</u></b>	2018263783	2021204634	<b><u>A61K 47 /-</u></b>	<b><u>A61M 39 /-</u></b>
2018224313	2018344852	<b><u>A47L 9 /-</u></b>	2021232659	<b><u>A61F 5 /-</u></b>	2018303667
<b><u>A01K 47 /-</u></b>	2021240204	2018263783	2021273580	2019262599	2021258086
2019330774	<b><u>A23L 23 /-</u></b>	2019462239	<b><u>A61F 5 /-</u></b>	2019296320	<b><u>A61M 27 /-</u></b>
<b><u>A01K 51 /-</u></b>	2018344852	<b><u>A61B 1 /-</u></b>	2021245239	2020367769	2021258086
2019330774	<b><u>A23L 29 /-</u></b>	2018230445	<b><u>A61F 5 /-</u></b>	2020385054	<b><u>A61M 39 /-</u></b>
<b><u>A01K 53 /-</u></b>	2019458186	<b><u>A61B 17 /-</u></b>	<b><u>A61F 5 /-</u></b>	2016383713	2018303667
2019330774	<b><u>A23L 3 /-</u></b>	2018230445	<b><u>A61K 31 /-</u></b>	2018273988	202200461
<b><u>A01K 63 /-</u></b>	2019336133	2018236205	2018273988	2018332608	<b><u>A61M 5 /-</u></b>
2021435297	2021240204	2018251886	2018332608	2018342767	2018229746
<b><u>A01K 67 /-</u></b>	<b><u>A24B 15 /-</u></b>	2018313696	2018392616	2019296320	2018294519
2020392900	2019458186	2021221931	2019262599	202032314	2018303667
2019330774	<b><u>A24D 1 /-</u></b>	2021245239	2019265606	202200881	2020212005
<b><u>A01K 97 /-</u></b>	2020392900	<b><u>A61B 18 /-</u></b>	2019271799	2022203691	<b><u>A61M 60 /-</u></b>
2021435297	<b><u>A24D 3 /-</u></b>	2021254572	2019296320	<b><u>A61K 48 /-</u></b>	2020460652
<b><u>A01N 25 /-</u></b>	2020333227	<b><u>A61B 3 /-</u></b>	2019325112	<b><u>A61K 49 /-</u></b>	2021390060
2019224471	2020392900	2021232659	2020232314	2017313844	<b><u>A61N 1 /-</u></b>
<b><u>A01N 43 /-</u></b>	<b><u>A24F 42 /-</u></b>	2017356785	2020259548	2023214366	2021254572
2018287131	2020392900	2018251888	2020277294	<b><u>A61K 9 /-</u></b>	<b><u>A61N 5 /-</u></b>
2019283310	<b><u>A24F 47 /-</u></b>	2020384947	2020367769	2017233923	2020260204
<b><u>A01P 13 /-</u></b>	2022203060	2021215261	2020383646	2018332608	<b><u>A61N 7 /-</u></b>
		2021254572	2020385054	2018342767	2016383713
		2021273580	202200278	2020385054	<b><u>A61P 1 /-</u></b>
		2022232395	2022200881	2022200881	2020383646
			<b><u>A61K 33 /-</u></b>	2017233923	2019325112
			2018327339	2018332608	2020383646
			<b><u>A61K 35 /-</u></b>	2018342767	<b><u>A61N 7 /-</u></b>
			2017252504	2020385054	2016383713
			2017313844	2022200881	<b><u>A61P 1 /-</u></b>
			2020218330	<b><u>A61L 15 /-</u></b>	<b><u>A61P 1 /-</u></b>
			2021202391	<b><u>A61L 15 /-</u></b>	2019325112
			2021204787	<b><u>A61L 15 /-</u></b>	2020383646
			<b><u>A61K 36 /-</u></b>	<b><u>A61L 15 /-</u></b>	<b><u>A61P 11 /-</u></b>
			2017234985	<b><u>A61L 15 /-</u></b>	2020383646
				<b><u>A61L 2 /-</u></b>	<b><u>A61P 11 /-</u></b>
				2019336133	2020383646
				2021304552	<b><u>A61P 13 /-</u></b>
				<b><u>A61L 27 /-</u></b>	2020383646
				2020382709	

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<b><u>A61P 17 /-</u></b>	<b><u>A62C 37 /-</u></b>	<b><u>B25B 7 /-</u></b>	<b><u>B60H 3 /-</u></b>	<b><u>B65G 1 /-</u></b>	<b><u>C07C 229 /-</u></b>
2017234985 2020385054	2022201645	2022200325	2020390437	2017361114	2019271799
<b><u>A61P 19 /-</u></b>	<b><u>A63B 21 /-</u></b>	<b><u>B25H 1 /-</u></b>	<b><u>B60N 2 /-</u></b>	<b><u>B65G 21 /-</u></b>	<b><u>C07D 239 /-</u></b>
2017313844 2020385054	2018259152	2022201840	2017326743	2018326292	2018392616 2019283310
<b><u>A61P 25 /-</u></b>	<b><u>B01D 27 /-</u></b>	<b><u>B25J 9 /-</u></b>	<b><u>B60P 1 /-</u></b>	<b><u>B65G 47 /-</u></b>	<b><u>C07D 339 /-</u></b>
2019265606 2019271799 2020383646	2018225575 2022202406	2020224963	2017361114	2017361114	2021266317
<b><u>A61P 27 /-</u></b>	<b><u>B01D 29 /-</u></b>	<b><u>B29C 53 /-</u></b>	<b><u>B60R 13 /-</u></b>	<b><u>B65G 61 /-</u></b>	<b><u>C07D 401 /-</u></b>
2016348418 2020232314	2018225575 2020297963	2018280854	2022200722	2017361114	2018392616 2019283310
<b><u>A61P 29 /-</u></b>	<b><u>B01D 35 /-</u></b>	<b><u>B29C 70 /-</u></b>	<b><u>B60R 16 /-</u></b>	<b><u>B66B 19 /-</u></b>	<b><u>C07D 403 /-</u></b>
2018392616 2019265606 2021204787 2022200278	2022202406	2018311298	2018303353	2020268633	2019283310
<b><u>A61P 3 /-</u></b>	<b><u>B01D 45 /-</u></b>	<b><u>B31C 1 /-</u></b>	<b><u>B60S 5 /-</u></b>	<b><u>B66B 5 /-</u></b>	<b><u>C07D 405 /-</u></b>
2017219602 2019265606	2018263783	2018280854	2017345577	2020268633	2018392616 2019265606 2019283310
<b><u>A61P 31 /-</u></b>	<b><u>B01D 46 /-</u></b>	<b><u>B31C 3 /-</u></b>	<b><u>B60T 13 /-</u></b>	<b><u>B66F 9 /-</u></b>	<b><u>C07D 407 /-</u></b>
2017234985 2017252504 2019296320 2021266317	2018263783	2018280854	2018307196	2017361114	2020383646
<b><u>A61P 35 /-</u></b>	<b><u>B01D 53 /-</u></b>	<b><u>B32B 19 /-</u></b>	<b><u>B61K 9 /-</u></b>	<b><u>C01B 3 /-</u></b>	<b><u>C07D 409 /-</u></b>
2017360168 2018327339 2018332608 2018392616 2019214188 2019265606 2019296320 2020367769 2020383646 2021266317 2022200278	2020407638	2018311298	2020435919	2021284970	2020383646
<b><u>A61P 37 /-</u></b>	<b><u>B01D 61 /-</u></b>	<b><u>B32B 27 /-</u></b>	<b><u>B62B 7 /-</u></b>	<b><u>C01D 15 /-</u></b>	<b><u>C07D 409 /-</u></b>
2018255926 2019296320 2020383646 2021202391 2021266317 2022200278	2018280854 2018311298	2018280854	2020330713	2021222916	2019265606 2020383646
<b><u>A61P 5 /-</u></b>	<b><u>B01F 21 /-</u></b>	<b><u>B32B 3 /-</u></b>	<b><u>B62B 9 /-</u></b>	<b><u>C02F 1 /-</u></b>	<b><u>C07D 413 /-</u></b>
2020383646	2018201194	2018311298	2020355607	2017388638	2018392616 2019283310
<b><u>A61P 9 /-</u></b>	<b><u>B01J 2 /-</u></b>	<b><u>B32B 37 /-</u></b>	<b><u>B63B 32 /-</u></b>	<b><u>C02F 3 /-</u></b>	<b><u>C07D 417 /-</u></b>
2021290997	2018311298	2018311298	2022200672	2018293755	2018392616 2020383646 2021266317
<b><u>A62C 35 /-</u></b>	<b><u>B01L 3 /-</u></b>	<b><u>B32B 5 /-</u></b>	<b><u>B63H 21 /-</u></b>	<b><u>C03C 17 /-</u></b>	<b><u>C07D 471 /-</u></b>
2022201645	2018311298	2018311298	2022200672	2018309057 2018311059	2020367769 2021221427
	2016365724 2018335601 2018337035 2019398123 2020212005	<b><u>B32B 7 /-</u></b>	<b><u>B64C 39 /-</u></b>	<b><u>C04B 24 /-</u></b>	<b><u>C07D 487 /-</u></b>
	2020212005	2018280854	2020407638	2018278249 2022203029	2019325112 2021221427 2022200278
	<b><u>B01L 9 /-</u></b>	<b><u>B33Y 10 /-</u></b>	<b><u>B64D 11 /-</u></b>	<b><u>C04B 28 /-</u></b>	<b><u>C07D 498 /-</u></b>
	2020382709	2020382709	2017326743	2022203029	2021221427
	2019398123	<b><u>B33Y 80 /-</u></b>	<b><u>B64D 47 /-</u></b>	<b><u>C04B 40 /-</u></b>	<b><u>C07F 15 /-</u></b>
	<b><u>B03C 1 /-</u></b>	2020382709	2020393311	2022203029	2018327339
	2021254548	<b><u>B41F 15 /-</u></b>	<b><u>B64F 1 /-</u></b>	<b><u>C05C 9 /-</u></b>	<b><u>C07F 9 /-</u></b>
	<b><u>B05B 13 /-</u></b>	2020259078	2022203438	2018302519	2019262599
	2018277057	<b><u>B44C 5 /-</u></b>	<b><u>B65B 53 /-</u></b>	<b><u>C05D 3 /-</u></b>	<b><u>C07H 19 /-</u></b>
	<b><u>B05B 7 /-</u></b>	2018311298	2018236343	2018302519	
	2018201194 2018277057	<b><u>B60C 23 /-</u></b>	<b><u>B65C 1 /-</u></b>	<b><u>C05G 1 /-</u></b>	
	<b><u>B22F 9 /-</u></b>	2017345577	2018236343		
	2021232751	<b><u>B60G 11 /-</u></b>	<b><u>B65D 3 /-</u></b>		
		2021204315	2018280854		

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<b>C07J 5 /-</b>	2021249298	<b>C21D 1 /-</b>	<b>D06F 29 /-</b>	2022201614	<b>F16D 55 /-</b>
2021202391	<b>C10G 2 /-</b>	2019442805	2021245212	<b>E21B 34 /-</b>	2018307196
<b>C07K 14 /-</b>	2022203684	<b>C21D 9 /-</b>	<b>D06F 31 /-</b>	2019275308	<b>F16D 65 /-</b>
2017266738	<b>C10J 3 /-</b>	2019442805	2021245212	<b>E21B 41 /-</b>	2017364127
2018207172	2022203684	<b>C22B 3 /-</b>	<b>D06F 39 /-</b>	2019262121	<b>F16K 1 /-</b>
2018255926	<b>C10K 3 /-</b>	2021254548	2021245212	<b>E21B 43 /-</b>	2017392273
2019214188	2021284970	<b>C22B 34 /-</b>	<b>D06M 11 /-</b>	2018297637	<b>F16K 27 /-</b>
2020218330	<b>C10L 11 /-</b>	2021254548	2018233157	2019262121	2022202406
2020267210	2017201185	<b>C22C 1 /-</b>	<b>D21F 1 /-</b>	2019275308	
2021202391	<b>C12M 1 /-</b>	2021232751	2018341592	<b>E21B 47 /-</b>	<b>F16K 31 /-</b>
2021290997	2020212005	<b>C22C 14 /-</b>	<b>D21F 5 /-</b>	2018255518	2017392273
2022203691	2020382709	2021232751	2018341592	2022323641	2018263783
<b>C07K 16 /-</b>	2021241070	<b>C22C 18 /-</b>	<b>D21F 7 /-</b>	2023229523	<b>F16K 39 /-</b>
2016348418	<b>C12M 3 /-</b>	2020335420	2019262121	<b>E21B 49 /-</b>	2018263783
2017219602	2020382709	<b>C22C 38 /-</b>	<b>E21C 25 /-</b>		<b>F16L 21 /-</b>
2017223293	<b>C12N 1 /-</b>	2020335420	2020395849		2022202406
2017233923	2017360168	2020335420	<b>E21C 35 /-</b>		<b>F16L 37 /-</b>
2017252343	2017388204	<b>C23C 16 /-</b>	2019442805		2022201614
2017360168	2020218330	2018277057	<b>E21F 1 /-</b>		<b>F21S 2 /-</b>
2018207172	2020267210	<b>C23C 2 /-</b>	2020282145		2022203438
2018255926	<b>C12N 15 /-</b>	2020335420	2021292816		
2019214188	2017240721	<b>C23C 22 /-</b>	<b>E03D 1 /-</b>		<b>F21S 4 /-</b>
<b>C07K 17 /-</b>	2017266738	2017360168	2022201043		2021302026
2017360168	2017270579	<b>C23C 4 /-</b>	<b>E03D 3 /-</b>		<b>F21V 19 /-</b>
2017388204	2020218330	2019442805	2022201043		2022203438
2020218330	2020259548	<b>C23C 4 /-</b>	<b>E03D 5 /-</b>		<b>F21V 29 /-</b>
<b>C08F 293 /-</b>	2021202391	2018277057	2022201043		2022203438
2018296676	2023214366	<b>C25B 1 /-</b>	<b>E04B 2 /-</b>		<b>F21V 5 /-</b>
<b>C08G 59 /-</b>	<b>C12N 5 /-</b>	2021222916	2018203350		2022203438
2018278249	2017360168	<b>C25B 15 /-</b>	<b>E04H 4 /-</b>		<b>F21V 8 /-</b>
2018300733	2018207172	2018253926	2017388638		2022203438
<b>C08J 5 /-</b>	2021202391	<b>C25C 3 /-</b>	<b>E21B 10 /-</b>		2022203438
2018300733	<b>C12N 9 /-</b>	2021232751	2022201614		<b>F21W 111 /-</b>
<b>C08L 53 /-</b>	2019222723	<b>C25C 5 /-</b>	<b>E21B 17 /-</b>		2022203438
2018296676	<b>C12P 19 /-</b>	2021232751	2022201614		<b>F21Y 115 /-</b>
<b>C08L 63 /-</b>	2017360168	<b>C25C 7 /-</b>	<b>E21B 19 /-</b>		2022203438
2018278249	2018207172	2021232751	2022323641		<b>F23Q 1 /-</b>
<b>C08L 9 /-</b>	2021202391	<b>D01D 5 /-</b>	<b>E21B 23 /-</b>		2017201185
2021232769	<b>C12N 9 /-</b>	2020382709	2019275308		<b>F23Q 2 /-</b>
<b>C08L 95 /-</b>	2019222723	<b>D03D 13 /-</b>	2022323641		2017201185
2021232769	<b>C12P 21 /-</b>	2018341592	<b>E21B 25 /-</b>		<b>F23Q 3 /-</b>
<b>C09D 109 /-</b>	2017360168				2017201185
2021232769	<b>C12Q 1 /-</b>				
<b>C09D 195 /-</b>	2017350800				
2021232769	2019222723				
<b>C10B 1 /-</b>	2021241070				
2021249298	<b>C12R 1 /-</b>				
<b>C10B 47 /-</b>	2020218330				

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<b>F24C 7 /-</b>	2017235923	<b>G03F 9 /-</b>	<b>G06N 20 /-</b>	2022201957	<b>H01L 31 /-</b>
2018298575	<b>G01N 29 /-</b>	2018337035	2018369757	<b>G08B 23 /-</b>	2020439578
<b>F24F 3 /-</b>	2019462239	<b>G03G 15 /-</b>	2021370623	2017279806	<b>H01M 10 /-</b>
2020390437	2020435919	2021273659	2022204597	<b>G08B 25 /-</b>	2018310053
<b>F24S 30 /-</b>	<b>G01N 3 /-</b>	<b>G03G 21 /-</b>	<b>G06N 3 /-</b>	2022201957	2018310713
2019211032	2020412458	2021273659	2018369757	<b>G08B 31 /-</b>	2022200955
<b>F25D 23 /-</b>	<b>G01N 33 /-</b>	<b>G04G 9 /-</b>	2019200498	2020342222	<b>H01M 4 /-</b>
2021416462	2016365724	2022203957	2022200340	2017279806	2018310713
2022202406	2017223293	<b>G05B 19 /-</b>	<b>G06N 5 /-</b>	<b>G10L 15 /-</b>	2021222916
<b>F27B 7 /-</b>	2017252343	2017350800	2022201262	2019201441	<b>H01M 50 /-</b>
2021249298	2018332608	2021231690	<b>G06N 7 /-</b>	2020472583	2018310053
<b>F27D 7 /-</b>	2020384947	<b>G05D 1 /-</b>	2021370623	<b>G10L 17 /-</b>	2021354279
2021249298	2021241070	2022209222	<b>G06Q 10 /-</b>	2020472583	<b>H01M 8 /-</b>
<b>G01B 7 /-</b>	<b>G01N 35 /-</b>	<b>G06F 1 /-</b>	2022201262	<b>G10L 19 /-</b>	2018253926
2018233157	2019398123	2022201389	<b>G06Q 30 /-</b>	2020291190	<b>H02H 9 /-</b>
<b>G01D 11 /-</b>	2020263292	<b>G06F 11 /-</b>	2020417722	2021240111	2021267538
2018337035	2017436073	2020285262	2021376160	<b>G11B 27 /-</b>	2021288503
<b>G01F 1 /-</b>	<b>G01R 29 /-</b>	<b>G06F 16 /-</b>	<b>G06Q 50 /-</b>	2022304524	<b>H02J 3 /-</b>
2023229523	2017356785	2021370623	2017279806	<b>G16B 20 /-</b>	2020433707
<b>G01F 15 /-</b>	<b>G01S 17 /-</b>	2022201262	2017361114	2021277671	2021288503
2023229523	2018405051	<b>G06F 17 /-</b>	2020433707	<b>G16B 30 /-</b>	<b>H02J 50 /-</b>
<b>G01J 1 /-</b>	2020342222	2017279806	<b>G06T 13 /-</b>	2021277671	2021254572
2021304552	2018368796	2021370623	<b>G06T 17 /-</b>	<b>G16H 20 /-</b>	2022204833
<b>G01K 1 /-</b>	2019262121	<b>G06F 18 /-</b>	2022201728	2022235534	<b>H02K 1 /-</b>
2018302359	<b>G01V 3 /-</b>	2018369757	<b>G06T 19 /-</b>	<b>G16H 40 /-</b>	2020403956
<b>G01L 1 /-</b>	2017235923	<b>G06F 21 /-</b>	2022201389	2022235534	<b>H02K 7 /-</b>
2018233157	<b>G01W 1 /-</b>	2021376160	<b>G06T 3 /-</b>	<b>G16H 50 /-</b>	2021204809
<b>G01N 1 /-</b>	2020407638	<b>G06F 3 /-</b>	2018369757	2022235534	<b>H02K 9 /-</b>
2018337035	<b>G02B 27 /-</b>	2017436073	<b>G06T 7 /-</b>	<b>G16H 70 /-</b>	2021204809
2020212005	2018360824	2019201441	2017279806	2022235534	<b>H02M 3 /-</b>
<b>G01N 15 /-</b>	<b>G02B 6 /-</b>	2019216883	2022200340	<b>G21K 1 /-</b>	2019478501
2018283983	2020362409	2019261532	2022201728	2020260204	<b>H02S 30 /-</b>
2021241070	<b>G02C 7 /-</b>	2020472583	2022204597	<b>H01F 1 /-</b>	2019287669
<b>G01N 21 /-</b>	2021232659	2021290132	<b>G06V 10 /-</b>	2021247137	<b>H04B 5 /-</b>
2018337035	<b>G02F 1 /-</b>	2022201389	2020354548	<b>H01F 38 /-</b>	2022204833
2020263292	2018360824	2022203957	2021261947	2022201728	<b>H04L 12 /-</b>
2020342222	<b>G03B 15 /-</b>	2022235630	2022201728	<b>G06V 20 /-</b>	2018298575
2020435919	2020393311	2023202756	2022201728	2022201728	2018303353
2021241070	<b>G03B 17 /-</b>	<b>G06F 30 /-</b>	<b>G07F 17 /-</b>	<b>H01G 11 /-</b>	2020410114
2022232395	2020393311	2019262121	2018226500	2018310713	<b>H04L 27 /-</b>
2023229523	<b>G03B 17 /-</b>	2020268633	<b>G08B 13 /-</b>	<b>H01L 27 /-</b>	2019209166
<b>G01N 27 /-</b>	2020393311	2021304552	2020263292	2020263292	<b>H04L 5 /-</b>
		<b>G06F 40 /-</b>			2019209166
		2019216883			

Applications Accepted - IPC Index cont'd

**H05K 3 /-**

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2018214148

2021376160

**H04M 1 /-**

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**H04M 11 /-**

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**H04N 19 /-**

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**H04N 21 /-**

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**H04N 23 /-**

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**H04N 5 /-**

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**H04W 76 /-**

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**H05K 1 /-**

2021322475

**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) 2MT Mining Products Pty Ltd  
(11) AU-B-2023100055  
(21) 2023100055 (22) 13.06.2023  
(54) PROTECTION SYSTEMS  
(51) Int. Cl.  
    *E02F 9/28* ( 2006.01 )  
    *B65G 11/16* ( 2006.01 )  
(45) 12.10.2023  
(62) 2022202367  
(72) Senanayake, Mahinda Palitha  
(74) Ahearn Fox

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(71) OrthAlign, Inc.  
(11) AU-B-2022100156  
(21) 2022100156 (22) 04.11.2022  
(54) HIP REPLACEMENT NAVIGATION  
    SYSTEMS AND METHODS  
(51) Int. Cl.  
    *A61B 34/20* ( 2016.01 )  
    *A61B 17/56* ( 2006.01 )  
    *A61B 90/00* ( 2016.01 )  
    *A61F 2/32* ( 2006.01 )  
(45) 12.10.2023  
(62) 2018236220  
(72) Nielsen, Jonathan; Matthews, John;  
    Van Der Walt, Nicholas  
(74) PHILLIPS ORMONDE FITZPATRICK



**Numerical Index**

2022100156 OrthAlign, Inc.  
2023100055 2MT Mining Products Pty Ltd

**IPC Index**

**A61B 17 /-**

2022100156

**A61B 34 /-**

2022100156

**A61B 90 /-**

2022100156

**A61F 2 /-**

2022100156

**B65G 11 /-**

2023100055

**E02F 9 /-**

2023100055

**Opposition Proceedings**

(The name in parentheses is that of the opponent)

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

2016222479 **Interit Pty Ltd** ( Gutter Grip Australia Pty Ltd )  
 2022100189 **Orca Civil Products Pty Ltd** ( YETI CIVIL PRODUCTS PTY LTD )

**Patents Granted**

**Standard Patents**

2015411324 2016303688 2016315852 2016315892  
 2016323460 2016326666 2016356686 2016368099  
 2016406717 2016410262 2016413933 2016425585  
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**Patents Granted**

**Standard Patents**

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 2021283746 2021286267 2021286307 2021286387  
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 2022204345 2022204482 2022204669 2022204862  
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 2023202399 2023202451

**Innovation Patents**

2023100081

**Assignments Registered**

2006301882 Metso Brasil Industria e Comercio Ltda The patent has been assigned to **Metso Outotec Finland Oy**  
 2008237546 Gilkon Pty Limited The patent has been assigned to **Opie Manufacturing Group Pty Ltd**  
 2008272756 Swedish Biomimetics 3000 Ltd The patent has been assigned to **Nova Primary Manufacturing Limited**  
 2010204165 Swedish Biomimetics 3000 Limited The patent has been assigned to **Nova Primary Manufacturing Limited**  
 2010236035 Nikkari Co., Ltd.; Honda Motor Co., Ltd. The patent has been assigned to **Honda Motor Co., Ltd.**  
 2013344340 Apton Biosystems, Inc. The patent has been assigned to **Pacific Biosciences of California, Inc.**  
 2014209142 Layne Christensen Company The patent has been assigned to **Layne Minerals LLC**  
 2014308476 Biomedical Solutions Inc. The patent has been assigned to **Otsuka Medical Devices Co., Ltd.**  
 2014368964 CertainTeed Corporation The patent has been assigned to **CertainTeed LLC**  
 2016235674 Guangzhou Huazhen Pharmaceutical Co., Ltd The patent has been assigned to **Guangzhou Sinogen Pharmaceutical Co., Ltd**  
 2016281194 Rix, Dorothea; Dufty, Raymond The patent has been assigned to **Tru-Turf Pty Ltd**  
 2016306543 Rix, Dorothea; Dufty, Raymond The patent has been assigned to **Tru-Turf Pty Ltd**  
 2016359090 Magni Telescopic Handlers S.r.l. The patent has been assigned to **Zhejiang Dingli Machinery Co., LTD.**

### Assignments Registered

2017228632 CertainTeed Corporation The patent has been assigned to **CertainTeed LLC**

2017441267 Institute of Acoustics, Chinese Academy of Sciences; Beijing Hili Technology Co. Ltd. The patent has been assigned to **Zhengzhou SEANet Technologies Co., Ltd.**

2018287143 Metso Outotec Sweden AB The patent has been assigned to **Metso Outotec Finland Oy**

2018426050 Beijing Hili Technology Co. Ltd; Institute of Acoustics, Chinese Academy of Sciences The patent has been assigned to **Zhengzhou SEANet Technologies Co., Ltd.**

2019265227 Metso Brasil Indústria e Comércio Ltda. The patent has been assigned to **Metso Outotec Sweden AB**

### Licences Registered - Section 187, Reg. 19

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

2016374661 ICSIP Pty Ltd ( LiChem IP Holdings LLC )

2016377396 ICSIP Pty Ltd ( LiChem IP Holdings LLC )

2020204263 ICSIP Pty Ltd ( LiChem IP Holdings LLC )

2021106011 ICSIP Pty Ltd ( LiChem IP Holdings LLC )

2021218169 ICSIP Pty Ltd ( LiChem IP Holdings LLC )

### 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.

2013211436 **Les Laboratoires Servier**

The earliest first regulatory approval date provided by the patentee 05 Apr 2023

For the goods TIBSOVO ivosidenib

2019246824 **Les Laboratoires Servier**

The earliest first regulatory approval date provided by the patentee 05 Apr 2023

For the goods TIBSOVO ivosidenib

2019283951 **Les Laboratoires Servier**

The earliest first regulatory approval date provided by the patentee 05 Apr 2023

For the goods TIBSOVO ivosidenib

### Corrigenda

In Vol 36 , No 4 , Page(s) 441 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Cloudbreak Therapeutics LLC, Application No. 2020299145, under INID (71) correct the applicant name to ADS THERAPEUTICS LLC

In Vol 57 , No 38 , Page(s) 5456 under the heading **Amendments - Application for Amendments** Under the name Hensley Industries, Inc. Application No. 2020203270 correct the date of the statements filed to read 2 Jun 2023 and 15 Aug 2023

### Specifications Republished

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

2017327304	<b>Nippon Chemiphar Co., Ltd.</b>
2017327392	<b>Tiziana Life Sciences PLC</b>
2019298997	<b>Zodiac Pool Systems LLC</b>
2019355677	<b>LG Electronics Inc.</b>
2020270503	<b>Nippon Chemiphar Co., Ltd.</b>
2020314305	<b>Hagepe International B.V.; Cenergist Limited</b>
2021395887	<b>AUSNUTRIA B.V.</b>
2022216642	<b>EMENDOBIO INC.</b>
2022229789	<b>NEW YORK GENOME CENTER, INC.; NEW YORK UNIVERSITY</b>
2022230446	<b>MODERNATX, INC.</b>
2022234582	<b>FONTERRA CO-OPERATIVE GROUP LIMITED</b>
2022235091	<b>THE METHODIST HOSPITAL; COYA THERAPEUTICS, INC.</b>
2022235103	<b>THE JOHNS HOPKINS UNIVERSITY</b>
2022235325	<b>INSTITUTE OF ORGANIC CHEMISTRY AND BIO-CHEMISTRY AS CR, V. V. I.</b>
2022238403	<b>TIBA BIOTECH LLC</b>
2022246144	<b>MINA THERAPEUTICS LIMITED</b>
2022249328	<b>REGENERON PHARMACEUTICALS, INC.</b>
2022259844	<b>MFS Pharmaceuticals Limited</b>

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In the matter of Miele & Cie KG and another v Wilhelm Bruckbauer and another, VID711/2023.

Australian Patent No 2012247900. **Wilhelm Bruckbauer**. The nature of the proposed amendments are: 1) amend claim 1 and page 2 of the complete specification of the Patent, such that the passage, "a housing for the heating of hob heating and control electronics", is amended to read, "a housing for the heating or hob heating and control electronics"; and 2) amend page 2 of the complete specification of the Patent such that the passage, "...through suction in a direction lying vertically...", is amended to read, "...through suction in a direction lying vertically...". The address for service – Gestalt Law Pty Ltd, Level 2, 98 Riley Street, East Sydney, NSW 2010 Australia; GPO Box 683 Sydney NSW 2001 Australia (mail@gestalt.law).

A person intending to oppose the application who is not a party to the proceedings or pending proceedings must, not later than 28 days after publication of the advertisement, give written notice of that intention to the Commissioner and to the persons who are parties to the proceedings.