



**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)<sup>2</sup>, (51)<sup>3</sup>, (51)<sup>4</sup> and (51)<sup>5</sup>.

(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) 4 May 2023**

**IP AUSTRALIA**

**AUSTRALIAN PATENT OFFICE**

***Block, Inc. [2023] APO 21***

Patent Application: 2020273349

Title: Mobile device payments

Patent Applicant: Block, Inc.

Delegate: Tim Gillett

Decision Date: 21 April 2023

Hearing Date: Written submissions filed on 15 September 2022

Catchwords: **PATENTS** – section 45 – examiner’s objection – inventive step – manner of manufacture – payment system – cardless payment transaction – credit card – text message - short message service (SMS) – smartphone – feature phone – approval code – no patentable subject matter in application – inventive step not decided – application refused

Representation: Patent attorney for the applicant: FB Rice Pty Ltd

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 18 Apr 2023 .

(71) Agscent Pty Ltd (21) 2023901201 (22) 24.04.2023 (54) BIOLOGICAL SAMPLE CAPTURING AND ANALYSIS DEVICE	(71) Aus Mining Services Pty Ltd (21) 2023901147 (22) 18.04.2023 (54) IMPROVED GAS WATER SEPARATOR	(71) Britz, H. (21) 2023901195 (22) 22.04.2023 (54) AIR FRESHENER DIFFUSER FOR SOLID OR LIQUID AGENT WITH BOOSTER FAN
(71) Al-Fiadh, H. (21) 2023901197 (22) 22.04.2023 (54) Wireless bluetooth medical medical emergency kit	(71) Bailey, A. (21) 2023901114 (22) 16.04.2023 (54) Wiper Viper	(71) Brown, E. (21) 2023901159 (22) 19.04.2023 (54) A towel product with integrated pillow
(71) ALPHINIA PTY LTD (21) 2023901129 (22) 17.04.2023 (54) GENETICALLY ENGINEERED MICROORGANISMS AND USE THEREOF	(71) BARAK, A. (21) 2023901087 (22) 13.04.2023 (54) Foldable Structure & Method	(71) Burgess, A.; Chapman, J. (21) 2023901164 (22) 19.04.2023 (54) Diamond Classification System
(71) alumtek minerals pty ltd; picton, c. (21) 2023901083 (22) 13.04.2023 (54) Manufacturing a Supplementary Cementitious Material (SCM) from bauxite residue and low grade kalinite.	<b>Barbulescu, T. see Barbulescu, D.</b> (21) 2023901176	<b>Burgis, A. see Burgis, W.</b> (21) 2023901160
(71) Andonopoulos, P. (21) 2023901190 (22) 21.04.2023 (54) SYSTEM FOR PRODUCING SHADOW LINES	<b>Barbulescu, V. see Barbulescu, D.</b> (21) 2023901176	(71) Burgis, W.; Burgis, A. (21) 2023901160 (22) 19.04.2023 (54) Toilet Hygiene Apparatus
(71) APATCO Fence Tensioning Systems Pty. Ltd. (21) 2023901108 (22) 14.04.2023 (54) A TENSIONING POST AND A TENSIONING SYSTEM	(71) Barbulescu, D.; Barbulescu, T.; Barbulescu, V. (21) 2023901176 (22) 20.04.2023 (54) Containership convertible to solar plant with expandable irradiation surface, energy storage, and inflatable sails	(71) Carbelec Pty Ltd (21) 2023901188 (22) 21.04.2023 (54) HIGH TEMPERATURE METAL PRODUCTION IN CONJUNCTION WITH CARBON RECOVERY VIA CARBON DIOXIDE ELECTROLYSIS TO SOLID CARBON
(71) Arakel, A.; Pact Renewables Pty Ltd (21) 2023901158 (22) 19.04.2023 (54) Apparatus for Producing Planting Containers	(71) Bates, A. (21) 2023901161 (22) 19.04.2023 (54) A book writing and editing program using Google Calendar.	(71) Carbon Link Limited (21) 2023901144 (22) 18.04.2023 (54) System and method for soil analysis
(71) Archimedes IP Pty Ltd (21) 2023901067 (22) 12.04.2023 (54) Wind energy harvester	(71) Behnam, Z. (21) 2023901062 (22) 12.04.2023 (54) Firefighting System	(71) Carbon Revolution Limited (21) 2023901175 (22) 20.04.2023 (54) RIM FIBRE ARCHITECTURE OF A COMPOSITE WHEEL WITH IMPROVED PERFORMANCE
	(71) Bod Science Limited (21) 2023901143 (22) 18.04.2023 (54) Topical protein based formulation	

Provisional Applications Filed - Name Index cont'd

(71) Cardenas, J.  
(21) 2023901081 (22) 13.04.2023  
(54) Automatic CPAP Humidifier Water Chamber Replenishing and Sanitizing System

(71) Caspersz, D.  
(21) 2023901169 (22) 20.04.2023  
(54) A lighted hat system

(71) CCL Secure Pty Ltd  
(21) 2023901086 (22) 13.04.2023  
(54) Security Feature

(71) Celalettin, M.  
(21) 2023901073 (22) 12.04.2023  
(54) Electric Wireless Vehicle Discharge Adapter System (ELVEDA)

Chapman, J. see Burgess, A.  
(21) 2023901164

(71) Cobber Technologies Pty Ltd  
(21) 2023901146 (22) 18.04.2023  
(54) A COMPUTER SYSTEM AND COMPUTER-IMPLEMENTED METHOD TO PROVIDE DELIVERY OF ONE OR MORE ITEMS OF A USER

(71) Commonwealth Scientific and Industrial Research Organisation  
(21) 2023901163 (22) 19.04.2023  
(54) A RECHARGEABLE LITHIUM METAL CELL

(71) Confetti Blue PTY LTD  
(21) 2023901131 (22) 17.04.2023  
(54) Perfume For Children Made With Non Toxic Or Food Grade Ingredients

(71) Croft Infrastructure Designs Pty Ltd  
(21) 2023901174 (22) 20.04.2023  
(54) Dispersing traffic off Melbourne's Eastern Freeway

(71) Cylite Pty Ltd  
(21) 2023901193 (22) 21.04.2023  
(54) Apparatus and Method for Polarisation-Sensitive Optical Coherence Tomography

(71) Davidson, F.  
(21) 2023901162 (22) 19.04.2023  
(54) METHOD AND APPARATUS FOR PRIMING DIESEL ENGINES

(71) Deakin University  
(21) 2023901138 (22) 18.04.2023  
(54) WET PARTICLE EMULSIFIER

(71) Deakin University  
(21) 2023901139 (22) 18.04.2023  
(54) DRY PARTICLE EMULSIFIER

(71) Dux Manufacturing Limited  
(21) 2023901171 (22) 20.04.2023  
(54) Water Heater System

(71) Ehlers, C.  
(21) 2023901098 (22) 14.04.2023  
(54) A pin clip device for a garment

(71) Elecsome Pty Ltd  
(21) 2023901149 (22) 18.04.2023  
(54) Method for separating fluoropolymer layers and/or glass from a substrate

(71) Fantis, O.  
(21) 2023901102 (22) 14.04.2023  
(54) An integrated prosthetic breast garment

(71) Farrell, R.; Galli, D.; Gubbels, B.  
(21) 2023901136 (22) 17.04.2023  
(54) A HEIGHT-ADJUSTABLE REINFORCEMENT BAR STAND FOR SUPPORTING REINFORCEMENT BARS ABOVE A SURFACE

(71) Formula One Surf International Pty Ltd  
(21) 2023901063 (22) 12.04.2023  
(54) A METHOD OF MANUFACTURING A POLYURETHANE (PU) - EXPANDED POLYSTYRENE (EPS) HYBRID MATERIAL SURFBOARD

Galli, D. see Farrell, R.  
(21) 2023901136

(71) GIANNINI, N.  
(21) 2023901084 (22) 13.04.2023  
(54) A SHAPED MATRIX AND METHODS OF USE OF SAME

(71) gillett, m.  
(21) 2023901196 (22) 22.04.2023  
(54) Surfboard tensioning system

(71) Gore, C.  
(21) 2023901181 (22) 21.04.2023  
(54) Self Powering Devices

(71) GREGOVIC, A.  
(21) 2023901130 (22) 17.04.2023  
(54) SYSTEM FOR FLEXIBLE FUND STAKING AND REMITTANCE OF BENEFITS

Gubbels, B. see Farrell, R.

(21) 2023901136

(71) Harrison, L.  
(21) 2023901064 (22) 12.04.2023  
(54) DRESSING

(71) HILLS EDUCATIONAL FOUNDATION LIMITED  
(21) 2023901186 (22) 21.04.2023  
(54) Using Dynamic Non-Fungible Token (NFT's) architecture to collect IOT edge processed real time supply chain data link/node assets from off chain Hardware Oracles to generate on-chain immutable, verifiable, and authenticated supply chain data

HJORTFLOD, K. see TANNOS, G.  
(21) 2023901121

HJORTFLOD, K. see TANNOS, G.  
(21) 2023901122

(71) hopkins, t.  
(21) 2023901115 (22) 16.04.2023  
(54) Mechanical combined awning and blind system

(71) Howard Wright Limited  
(21) 2023901104 (22) 14.04.2023  
(54) A Powered Drive Wheel Assembly For A Wheeled Apparatus

(71) HYDROGEN RENEWABLE ENERGY AUSTRALIA PTY LTD  
(21) 2023901060 (22) 12.04.2023  
(54) Electrodeposition of calcium metal at ambient temperature

(71) IAM Cybernetics Pty Ltd  
(21) 2023901117 (22) 16.04.2023  
(54) Use case pattern definition for the automation of the generation of dynamic REST API Clients

(71) ikashmore Pty Ltd  
(21) 2023901132 (22) 17.04.2023  
(54) Sampling device

(71) Inspiring Holdings Pty Ltd  
(21) 2023901167 (22) 20.04.2023  
(54) Pulmonary drug delivery apparatus

(71) IVM IP Pty Ltd  
(21) 2023901191 (22) 21.04.2023  
(54) A SPRAYER

Provisional Applications Filed - Name Index cont'd

(71) Jarman, C.  
(21) 2023901078 (22) 12.04.2023  
(54) Residual Current Device Tripping Cap

(71) Jasper Medtech Pty Ltd  
(21) 2023901107 (22) 14.04.2023  
(54) METHOD FOR PREPARING AND IDENTIFYING ACCURATE DISEASE MODELS

(71) Jayaram, N.  
(21) 2023901200 (22) 23.04.2023  
(54) Towed Array Regenerator

(71) J Carlson Pty Ltd  
(21) 2023901189 (22) 21.04.2023  
(54) A DEVICE FOR INJECTING A LIQUID INTO A BALE

(71) Jenkins, G.  
(21) 2023901153 (22) 19.04.2023  
(54) MEDICAL IMAGING SYSTEM AND METHODS

(71) Jones, L.  
(21) 2023901135 (22) 17.04.2023  
(54) VIRTUAL FITTING SYSTEM AND METHOD

(71) Kaboom Cards  
(21) 2023901079 (22) 13.04.2023  
(54) Collectibles Peer to Peer Trading Platform

(71) KIRKHAM, S.  
(21) 2023901089 (22) 13.04.2023  
(54) METHOD AND APPARATUS FOR REPAIRING TENDONS IN A MAMMAL

(71) Kirtland, M.J.  
(21) 2023901126 (22) 17.04.2023  
(54) AN AXIAL-FLOW CENTRIFUGAL HYDRAULIC PUMP

(71) Kirtland, M.J.  
(21) 2023901127 (22) 17.04.2023  
(54) BACK-FLUSHING POOL SKIMMING SYSTEM

(71) Kirtland, M.J.  
(21) 2023901128 (22) 17.04.2023  
(54) A CONTROLLER FOR CONTROLLING MOVEMENT OF FLUID IN AN AQUATIC APPLICATION

(71) KITAY, D.  
(21) 2023901082 (22) 13.04.2023  
(54) Deployable cat tower arrangement

(71) LGE Pty Ltd  
(21) 2023901061 (22) 12.04.2023  
(54) A Membrane for Hydrogen Separation

(71) Lin, Z.  
(21) 2023901059 (22) 11.04.2023  
(54) Multifunctional fitness and leisure equipment

(71) LOCATA CORPORATION PTY LTD  
(21) 2023901124 (22) 17.04.2023  
(54) Apparatus and Methods for Monitoring Deflection of a Structural Element

(71) M&T Biotech IP Pty Ltd  
(21) 2023901077 (22) 12.04.2023  
(54) A METHOD OF PRODUCING AND TRACKING SERUM

(71) Mahoney, M.  
(21) 2023901145 (22) 18.04.2023  
(54) section new way 18/04/2023

(71) Maor, M.  
(21) 2023901085 (22) 13.04.2023  
(54) Lice Comb

(71) Martin, S.  
(21) 2023901141 (22) 18.04.2023  
(54) emesis container

**McBride, R. see McBride, D.**  
(21) 2023901105

(71) McBride, D.; McBride, R.  
(21) 2023901105 (22) 14.04.2023  
(54) A SUBMERSIBLE DECAL ASSEMBLY AND METHODS OF USE THEREOF

(71) McGeachie, H.  
(21) 2023901173 (22) 20.04.2023  
(54) A fishing lure with replaceable soft legs

**Melbourne Health see Peter MacCallum Cancer Institute**  
(21) 2023901165

(71) Menzies, G.  
(21) 2023901075 (22) 12.04.2023  
(54) METAL PALLET ASSEMBLY

(71) Metal Manufactures Pty Limited  
(21) 2023901099 (22) 14.04.2023  
(54) A MARKING MODULE FOR MARKING A WORK SURFACE

(71) Milatos, N.  
(21) 2023901123 (22) 17.04.2023  
(54) COMPUTER-IMPLEMENTED SYSTEM AND METHOD OF PROVIDING TASK SCHEDULES TO SERVICE PROVIDERS

(71) MINETOMETAL PTY LTD  
(21) 2023901090 (22) 13.04.2023  
(54) Alkaline Leaching of Oxidised Ores

(71) Monash University  
(21) 2023901091 (22) 13.04.2023  
(54) ELECTROACTIVE MATERIALS

(71) MY URITONE PTY LIMITED  
(21) 2023901179 (22) 20.04.2023  
(54) Water balance regulation for mammalian species and humans

(71) Nest PM Pty Ltd  
(21) 2023901133 (22) 17.04.2023  
(54) Device for putting

(71) Ng, F.  
(21) 2023901103 (22) 14.04.2023  
(54) System and Method of AI-Based Pre-sale Customer Acquisition for Human-authored Art-Painting Sales and Marketing

(71) O'Connor, P.  
(21) 2023901066 (22) 12.04.2023  
(54) Crazy Legs

(71) Olden, B.  
(21) 2023901134 (22) 17.04.2023  
(54) Lighting system

(71) Organic Technology Holdings (Innovation) Pty Ltd  
(21) 2023901109 (22) 14.04.2023  
(54) Apparatus and method for drying feedstock

**Pact Renewables Pty Ltd see Arakel, A.**  
(21) 2023901158

(71) Pagden, K.  
(21) 2023901119 (22) 14.04.2023  
(54) Electronic Vehicle Aero Dynamic Battery Turbo Charger

(71) PARKD Ltd  
(21) 2023901110 (22) 14.04.2023  
(54) Construction system and method and connection system therefor

Provisional Applications Filed - Name Index cont'd

(71) Peter MacCallum Cancer Institute; Melbourne Health  
 (21) 2023901165 (22) 19.04.2023  
 (54) NUCLEIC ACIDS AND USES THEREOF - II

(71) Peter MacCallum Cancer Institute  
 (21) 2023901180 (22) 20.04.2023  
 (54) Compositions and methods for immunotherapy - II

picton, c. see alumtek minerals pty ltd  
 (21) 2023901083

(71) Pollard, R.  
 (21) 2023901156 (22) 19.04.2023  
 (54) IMPROVED MOTORCYCLE LEG SUPPORT

(71) Polymeron Pty Ltd  
 (21) 2023901096 (22) 14.04.2023  
 (54) A treatment process

(71) Pool Covers Down Under  
 (21) 2023901154 (22) 19.04.2023  
 (54) POOL COVER AND SHADE COMBINATION

(71) Powa Corporation Pty Ltd  
 (21) 2023901168 (22) 20.04.2023  
 (54) Marine Barrier

(71) Punchbowl Packaging Ltd  
 (21) 2023901192 (22) 21.04.2023  
 (54) A Packaging Container with Improved Base Terminus

(71) Quantum IP Holdings Pty Limited  
 (21) 2023901097 (22) 14.04.2023  
 (54) METHOD FOR DETECTING ANALYTES

(71) Quantum IP Holdings Pty Limited  
 (21) 2023901100 (22) 14.04.2023  
 (54) METHOD FOR DETECTING ANALYTES

(71) Radiation Professionals Australia Pty Ltd  
 (21) 2023901137 (22) 18.04.2023  
 (54) High Pressure Water Decontamination Facility for removing hazardous contamination from flexible and rigid pipelines

(71) Reeves, J.  
 (21) 2023901094 (22) 13.04.2023  
 (54) IMPROVED ILLUMINATED VEHICLE SIGN

(71) ResMed Pty Ltd  
 (21) 2023901111 (22) 14.04.2023  
 (54) Interfacing Structure for Eyewear

(71) ResMed Pty Ltd  
 (21) 2023901157 (22) 19.04.2023  
 (54) POSITIONING, STABILISING, AND INTERFACING STRUCTURES AND SYSTEM INCORPORATING SAME

(71) ResMed Pty Ltd  
 (21) 2023901185 (22) 21.04.2023  
 (54) Conductive textile tube or conduit

(71) Rheem Australia Pty Limited  
 (21) 2023901125 (22) 17.04.2023  
 (54) HEAT PUMP WATER HEATER CONTROLLER

(71) RJ Renewables Pty Ltd  
 (21) 2023901178 (22) 20.04.2023  
 (54) Deployable Photovoltaic Power System

(71) Russell, J.  
 (21) 2023901095 (22) 14.04.2023  
 (54) Negative Latency MIDI controller for stringed instruments

(71) Ryles, M.  
 (21) 2023901101 (22) 14.04.2023  
 (54) Petrol nozzle locking device to prevent petrol drive off's.

(71) Scolaro, A.  
 (21) 2023901112 (22) 14.04.2023  
 (54) A Power Drive

(71) Scolaro, A.  
 (21) 2023901182 (22) 21.04.2023  
 (54) A Power Drive

(71) Scolaro, A.  
 (21) 2023901194 (22) 22.04.2023  
 (54) A Power Drive

(71) SDIP HOLDINGS PTY LTD  
 (21) 2023901148 (22) 18.04.2023  
 (54) TECHNOLOGY CONFIGURED TO ENABLE DETERMINATION OF SLEEP APNOEA RISK FACTORS FOR SUBJECT BASED ON ARTEFACTS OF TIME-SERIES EYELID AMPLITUDE DATA COLLECTED DURING CONSCIOUS STATE

Seebacher, P. see Seebacher, N.  
 (21) 2023901116

(71) Seebacher, N.; Seebacher, P.  
 (21) 2023901116 (22) 16.04.2023  
 (54) Core body temperature monitoring using audio and hearing devices.

(71) Setonix Pharmaceuticals Pty Ltd  
 (21) 2023901074 (22) 12.04.2023  
 (54) Modulators of PPAR $\gamma$

(71) Setonix Pharmaceuticals Pty Ltd  
 (21) 2023901076 (22) 12.04.2023  
 (54) PPARG modulators

(71) Solidsvac Pty Ltd  
 (21) 2023901093 (22) 13.04.2023  
 (54) VACUUM SCREEN UNIT

(71) Stephens, J.  
 (21) 2023901184 (22) 21.04.2023  
 (54) Design for PVC Duplo hollow sandpit connectors

(71) StrongLinx Pty Ltd  
 (21) 2023901068 (22) 12.04.2023  
 (54) MULTIPURPOSE STRAP APPARATUS

(71) TANNOS, G.; HJORTFLOD, K.  
 (21) 2023901121 (22) 17.04.2023  
 (54) Method and Apparatus for Remotely Stopping A Gutter Outlet

(71) TANNOS, G.; HJORTFLOD, K.  
 (21) 2023901122 (22) 17.04.2023  
 (54) Method and Apparatus for Remotely Stopping A Gutter Outlet

(71) Tatlidil, E.  
 (21) 2023901183 (22) 21.04.2023  
 (54) Smart Rodent Monitoring using IoT Sensors and the Cloud

(71) tech7 pty ltd  
 (21) 2023901151 (22) 18.04.2023  
 (54) ALARM SUPERVISORY CIRCUIT FOR ELECTRIC BRAKES

(71) TELEAUS BIOSCIENCE HEALTH PTY LTD  
 (21) 2023901088 (22) 13.04.2023  
 (54) Microbiome Manipulation and Containment of Multi-Drug Resistant Bacteria via Phage Therapy

(71) The University of Adelaide  
 (21) 2023901177 (22) 20.04.2023  
 (54) NON-HORMONAL CONTRACEPTION

## Provisional Applications Filed - Name Index cont'd

(71) The University of Melbourne  
 (21) 2023901140 (22) 18.04.2023  
 (54) INHIBITION OF CORONAVIRUS

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(71) The University of Melbourne  
 (21) 2023901150 (22) 18.04.2023  
 (54) METHODS FOR TISSUE IMAGING  
 AND USES THEREOF

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(71) THOMAS & NAAZ HOLDINGS PTY  
 LTD  
 (21) 2023901170 (22) 20.04.2023  
 (54) Meksi Lecture Series

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(71) TNA Australia Pty Limited  
 (21) 2023901118 (22) 16.04.2023  
 (54) A weighing machine

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(71) Trihey, A.  
 (21) 2023901106 (22) 14.04.2023  
 (54) Hybrid Solar Collector and Thermal  
 Heat Reservoir 2

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(71) University of Tasmania  
 (21) 2023901065 (22) 12.04.2023  
 (54) Acoustic Sensing Method and System

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(71) University of Technology Sydney  
 (21) 2023901155 (22) 19.04.2023  
 (54) Microfluidic chip

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(71) University of Technology Sydney  
 (21) 2023901202 (22) 24.04.2023  
 (54) A method for preparing products from  
 recycled glass fines

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(71) Vellpharm Company Limited  
 (21) 2023901172 (22) 20.04.2023  
 (54) Compositions and methods for the  
 treatment of coenzyme Q10 deficiency

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(71) Venus Metals Corporation Limited  
 (21) 2023901120 (22) 17.04.2023  
 (54) Process for Selectively Recovering Iron  
 and Vanadium

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(71) Wang, Q.  
 (21) 2023901166 (22) 20.04.2023  
 (54) Portable Insect Protection Device

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(71) Watkins, B.  
 (21) 2023901080 (22) 13.04.2023  
 (54) Hazard mitigation cabinet

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(71) WearOptimo Pty Ltd  
 (21) 2023901069 (22) 12.04.2023  
 (54) Aptamers and uses therefor

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(71) WearOptimo Pty Ltd  
 (21) 2023901070 (22) 12.04.2023  
 (54) Aptamers and uses therefor

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(71) WearOptimo Pty Ltd  
 (21) 2023901071 (22) 12.04.2023  
 (54) Aptamers and uses therefor

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(71) Welfare Concepts Limited  
 (21) 2023901142 (22) 18.04.2023  
 (54) Animal Treatment Method

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(71) wilkie, H.  
 (21) 2023901113 (22) 15.04.2023  
 (54) high waisted support underwear for  
 postpartum women, called "Posties".

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(71) WIREMAN PTY LIMITED  
 (21) 2023901187 (22) 21.04.2023  
 (54) IN-SITU FENCE WIRE STRAINER

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(71) XYSENSE PTY LTD  
 (21) 2023901072 (22) 12.04.2023  
 (54) SYSTEMS AND METHODS FOR IM-  
 PROVED IMAGE PROCESSING

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(71) ZZ & CS Holdings Pty Ltd  
 (21) 2023901092 (22) 13.04.2023  
 (54) FRAMING ARRANGEMENT



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<b>2023901059</b>	Lin, Z.	<b>2023901126</b>	Kirtland, M.J.
<b>2023901060</b>	HYDROGEN RENEWABLE ENERGY AUSTRALIA PTY LTD	<b>2023901127</b>	Kirtland, M.J.
<b>2023901061</b>	LGE Pty Ltd	<b>2023901128</b>	Kirtland, M.J.
<b>2023901062</b>	Behnam, Z.	<b>2023901129</b>	ALPHINIA PTY LTD
<b>2023901063</b>	Formula One Surf International Pty Ltd	<b>2023901130</b>	GREGOVIC, A.
<b>2023901064</b>	Harrison, L.	<b>2023901131</b>	Confetti Blue PTY LTD
<b>2023901065</b>	University of Tasmania	<b>2023901132</b>	ikashmore Pty Ltd
<b>2023901066</b>	O'Connor, P.	<b>2023901133</b>	Nest PM Pty Ltd
<b>2023901067</b>	Archimedes IP Pty Ltd	<b>2023901134</b>	Olden, B.
<b>2023901068</b>	StrongLinx Pty Ltd	<b>2023901135</b>	Jones, L.
<b>2023901069</b>	WearOptimo Pty Ltd	<b>2023901136</b>	Farrell, R.; Galli, D.; Gubbels, B.
<b>2023901070</b>	WearOptimo Pty Ltd	<b>2023901137</b>	Radiation Professionals Australia Pty Ltd
<b>2023901071</b>	WearOptimo Pty Ltd	<b>2023901138</b>	Deakin University
<b>2023901072</b>	XYSENSE PTY LTD	<b>2023901139</b>	Deakin University
<b>2023901073</b>	Celalettin, M.	<b>2023901140</b>	The University of Melbourne
<b>2023901074</b>	Setonix Pharmaceuticals Pty Ltd	<b>2023901141</b>	Martin, S.
<b>2023901075</b>	Menzies, G.	<b>2023901142</b>	Welfare Concepts Limited
<b>2023901076</b>	Setonix Pharmaceuticals Pty Ltd	<b>2023901143</b>	Bod Science Limited
<b>2023901077</b>	M&T Biotech IP Pty Ltd	<b>2023901144</b>	Carbon Link Limited
<b>2023901078</b>	Jarman, C.	<b>2023901145</b>	Mahoney, M.
<b>2023901079</b>	Kaboom Cards	<b>2023901146</b>	Cobber Technologies Pty Ltd
<b>2023901080</b>	Watkins, B.	<b>2023901147</b>	Aus Mining Services Pty Ltd
<b>2023901081</b>	Cardenas, J.	<b>2023901148</b>	SDIP HOLDINGS PTY LTD
<b>2023901082</b>	KITAY, D.	<b>2023901149</b>	Elecsome Pty Ltd
<b>2023901083</b>	alumtek minerals pty ltd; picton, c.	<b>2023901150</b>	The University of Melbourne
<b>2023901084</b>	GIANNINI, N.	<b>2023901151</b>	tech7 pty ltd
<b>2023901085</b>	Maor, M.	<b>2023901153</b>	Jenkins, G.
<b>2023901086</b>	CCL Secure Pty Ltd	<b>2023901154</b>	Pool Covers Down Under
<b>2023901087</b>	BARAK, A.	<b>2023901155</b>	University of Technology Sydney
<b>2023901088</b>	TELEAUS BIOSCIENCE HEALTH PTY LTD	<b>2023901156</b>	Pollard, R.
<b>2023901089</b>	KIRKHAM, S.	<b>2023901157</b>	ResMed Pty Ltd
<b>2023901090</b>	MINETOMETAL PTY LTD	<b>2023901158</b>	Arakel, A.; Pact Renewables Pty Ltd
<b>2023901091</b>	Monash University	<b>2023901159</b>	Brown, E.
<b>2023901092</b>	ZZ & CS Holdings Pty Ltd	<b>2023901160</b>	Burgis, W.; Burgis, A.
<b>2023901093</b>	Solidsvac Pty Ltd	<b>2023901161</b>	Bates, A.
<b>2023901094</b>	Reeves, J.	<b>2023901162</b>	Davidson, F.
<b>2023901095</b>	Russell, J.	<b>2023901163</b>	Commonwealth Scientific and Industrial Research Or- ganisation
<b>2023901096</b>	Polymeron Pty Ltd	<b>2023901164</b>	Burgess, A.; Chapman, J.
<b>2023901097</b>	Quantum IP Holdings Pty Limited	<b>2023901165</b>	Peter MacCallum Cancer Institute; Melbourne Health
<b>2023901098</b>	Ehlers, C.	<b>2023901166</b>	Wang, Q.
<b>2023901099</b>	Metal Manufactures Pty Limited	<b>2023901167</b>	Inspiring Holdings Pty Ltd
<b>2023901100</b>	Quantum IP Holdings Pty Limited	<b>2023901168</b>	Powa Corporation Pty Ltd
<b>2023901101</b>	Ryles, M.	<b>2023901169</b>	Caspersz, D.
<b>2023901102</b>	Fantis, O.	<b>2023901170</b>	THOMAS & NAAZ HOLDINGS PTY LTD
<b>2023901103</b>	Ng, F.	<b>2023901171</b>	Dux Manufacturing Limited
<b>2023901104</b>	Howard Wright Limited	<b>2023901172</b>	Vellpharm Company Limited
<b>2023901105</b>	McBride, D.; McBride, R.	<b>2023901173</b>	McGeachie, H.
<b>2023901106</b>	Trihey, A.	<b>2023901174</b>	Croft Infrastructure Designs Pty Ltd
<b>2023901107</b>	Jasper Medtech Pty Ltd	<b>2023901175</b>	Carbon Revolution Limited
<b>2023901108</b>	APATCO Fence Tensioning Systems Pty. Ltd.	<b>2023901176</b>	Barbulescu, D.; Barbulescu, T.; Barbulescu, V.
<b>2023901109</b>	Organic Technology Holdings (Innovation) Pty Ltd	<b>2023901177</b>	The University of Adelaide
<b>2023901110</b>	PARKD Ltd	<b>2023901178</b>	RJ Renewables Pty Ltd
<b>2023901111</b>	ResMed Pty Ltd	<b>2023901179</b>	MY URITONE PTY LIMITED
<b>2023901112</b>	Scolaro, A.	<b>2023901180</b>	Peter MacCallum Cancer Institute
<b>2023901113</b>	wilkie, H.	<b>2023901181</b>	Gore, C.
<b>2023901114</b>	Bailey, A.	<b>2023901182</b>	Scolaro, A.
<b>2023901115</b>	hopkins, t.	<b>2023901183</b>	Tatlidil, E.
<b>2023901116</b>	Seebacher, N.; Seebacher, P.	<b>2023901184</b>	Stephens, J.
<b>2023901117</b>	IAM Cybernetics Pty Ltd	<b>2023901185</b>	ResMed Pty Ltd
<b>2023901118</b>	TNA Australia Pty Limited	<b>2023901186</b>	HILLS EDUCATIONAL FOUNDATION LIMITED
<b>2023901119</b>	Pagden, K.	<b>2023901187</b>	WIREMAN PTY LIMITED
<b>2023901120</b>	Venus Metals Corporation Limited	<b>2023901188</b>	Carbelec Pty Ltd
<b>2023901121</b>	TANNOS, G.; HJORTFLOD, K.	<b>2023901189</b>	J Carlson Pty Ltd
<b>2023901122</b>	TANNOS, G.; HJORTFLOD, K.	<b>2023901190</b>	Andonopoulos, P.
<b>2023901123</b>	Milatos, N.	<b>2023901191</b>	IVM IP Pty Ltd
<b>2023901124</b>	LOCATA CORPORATION PTY LTD	<b>2023901192</b>	Punchbowl Packaging Ltd
<b>2023901125</b>	Rheem Australia Pty Limited	<b>2023901193</b>	Cylite Pty Ltd

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2023901194	Scolaro, A.
2023901195	Britz, H.
2023901196	gillett, m.
2023901197	Al-Fiadh, H.
2023901200	Jayaram, N.
2023901201	Agscent Pty Ltd
2023901202	University of Technology Sydney

**Complete Applications Filed**

**Name Index**

Applications listed below were processed through the Patent Office Canberra during the period ending 18 Apr 2023 .

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

<hr/> <p>(71) 2B1K Imports Pty Ltd (21) 2023202320 (22) 14.04.2023 (54) HAIR TREATMENT SYSTEM, TREATMENTS AND APPARATUS (62) 2017208719</p> <hr/> <p>(71) 4D Molecular Therapeutics Inc. (21) 2023202289 (22) 13.04.2023 (54) Adeno-Associated Variants, Formulations And Methods For Pulmonary Delivery (62) 2021265768</p> <hr/> <p>(71) Abiomed, Inc. (21) 2023202305 (22) 14.04.2023 (54) Systems and methods for time-based one-time password management for a medical device (62) 2018337040</p> <hr/> <p><b>ABIVAX see UNIVERSITE DE MONTPELLIER</b> (21) 2023202386</p> <hr/> <p>(71) Advance International Inc. (21) 2023202259 (22) 12.04.2023 (54) IMPROVED METHODS AND SYSTEMS FOR RECOVERING PROTEIN POWDER AND NATURAL OMEGA-3 OIL FROM ANIMAL TISSUE (62) 2021200547</p> <hr/> <p>(71) Adverum Biotechnologies, Inc. (21) 2023202277 (22) 13.04.2023 (54) COMPOSITIONS AND METHODS FOR REDUCING OCULAR NEOVASCULARIZATION (62) 2017286680</p> <hr/> <p>(71) Aegis Therapeutics, LLC; Opiant Pharmaceuticals, Inc. (21) 2023202420 (22) 20.04.2023 (54) Compositions, devices, and methods for the treatment of alcohol use disorder (62) 2017281941</p> <hr/> <p>(71) Agenus Inc. (21) 2023202337 (22) 17.04.2023 (54) Anti-CD137 antibodies and methods of use thereof (62) 2018253176</p>	<hr/> <p>(71) Air Products and Chemicals, Inc. (21) 2023202188 (22) 11.04.2023 (54) COIL WOUND HEAT EXCHANGER (62) 2021202693</p> <hr/> <p>(71) AJN Concepts Pty Ltd (21) 2023202433 (22) 20.04.2023 (54) An Accessory for a Vehicle (31) 2022901168 (32) 04.05.22 (33) AU</p> <hr/> <p>(71) Allan, O. (21) 2023202442 (22) 20.04.2023 (54) Screw Retained Dental Miniature Implant (31) 2022901420 (32) 25.05.22 (33) AU</p> <hr/> <p>(71) Almag S.p.A. (21) 2023202208 (22) 11.04.2023 (54) A METHOD FOR MANUFACTURING A LEAD-FREE OR LOW LEAD CONTENT BRASS BILLET AND BILLET THUS OBTAINED (62) 2017265469</p> <hr/> <p>(71) Amgen Inc. (21) 2023202243 (22) 12.04.2023 (54) Magnetic assisted separation apparatuses and related methods (62) 2018304033</p> <hr/> <p>(71) Amicrobe, Inc. (21) 2023202283 (22) 13.04.2023 (54) Compositions and uses of locally-applied antimicrobial synthetic cationic polypeptide(s) with enhanced performance and safety (62) 2018249552</p> <hr/> <p>(71) AMVAC Hong Kong Limited (21) 2023202110 (22) 05.04.2023 (54) Apparatus for minimizing the volume of a liquid carrier used for delivering a carrier containing an agricultural product into a furrow during planting (62) 2021200622</p> <hr/> <p>(71) Angel Group Co., Ltd. (21) 2023202190 (22) 11.04.2023 (54) Fraud detection system in casino (62) 2021202290</p>	<hr/> <p>(71) Angel Group Co., Ltd. (21) 2023202211 (22) 11.04.2023 (54) Management system for casino items (62) 2021209184</p> <hr/> <p>(71) Angel Group Co., Ltd. (21) 2023202240 (22) 12.04.2023 (54) Fraud detection system in casino (62) 2021202355</p> <hr/> <p>(71) Angel Group Co., Ltd. (21) 2023202285 (22) 13.04.2023 (54) Fraud detection system in casino (62) 2021202291</p> <hr/> <p>(71) Angel Group Co., Ltd. (21) 2023202286 (22) 13.04.2023 (54) A METHOD FOR ADMINISTRATING A PACKAGE OF SHUFFLED PLAYING CARDS (62) 2021200820</p> <hr/> <p>(71) Anglo American Technical &amp; Sustainability Services Ltd (21) 2023202447 (22) 21.04.2023 (54) Tailings storage facility method and structure (31) 63/333,978 (32) 22.04.22 (33) US 63/340,022 10.05.22 US 63/408,650 21.09.22 US</p> <hr/> <p>(71) Apple Inc. (21) 2023202431 (22) 20.04.2023 (54) Systems and methods for integrating third party services with a digital assistant (62) 2021286360</p> <hr/> <p>(71) Apple Inc. (21) 2023202432 (22) 20.04.2023 (54) Electronic device with rotatable input mechanism for navigating calendar application (62) 2021277718</p> <hr/> <p>(71) Aristocrat Technologies, Inc. (21) 2023202292 (22) 13.04.2023 (54) ELECTRONIC GAME SYSTEMS AND METHODS WITH MULTIPLE METAMORPHIC FEATURES (31) 18/298,134 (32) 10.04.23 (33) US 63/331,023 14.04.22 US</p>
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Complete Applications Filed - Name Index cont'd

(71) Aristocrat Technologies, Inc.  
 (21) 2023202355 (22) 17.04.2023  
 (54) Large LED Display for Multiple Gaming Format  
 (31) 18/301,103 (32) 14.04.23 (33) US  
 63/332,200 18.04.22 US

(71) Aristocrat Technologies Australia Pty Limited  
 (21) 2023202119 (22) 05.04.2023  
 (54) A GAMING SYSTEM AND A METHOD OF GAMING  
 (62) 2021200289

(71) Aristocrat Technologies Australia Pty Limited  
 (21) 2023202169 (22) 08.04.2023  
 (54) A GAMING SYSTEM AND A METHOD OF GAMING  
 (62) 2017201335

(71) Aristocrat Technologies Australia Pty Limited  
 (21) 2023202298 (22) 14.04.2023  
 (54) CASHLESS RESERVATION SYSTEM  
 (62) 2021200860

(71) Aristocrat Technologies Australia Pty Limited  
 (21) 2023202299 (22) 14.04.2023  
 (54) A METHOD OF GAMING, A GAMING SYSTEM AND A GAME CONTROLLER  
 (62) 2021201698

(71) Asahi Kasei Kabushiki Kaisha  
 (21) 2023202316 (22) 14.04.2023  
 (54) Planning device, planning method, and planning program  
 (62) 2019356338

(71) Asahi Kasei Kabushiki Kaisha  
 (21) 2023202403 (22) 19.04.2023  
 (54) Elastic mattress and electrolyzer  
 (62) 2020240988

(71) Ascendis Pharma Bone Diseases A/S  
 (21) 2023202402 (22) 19.04.2023  
 (54) Incremental dose finding in controlled-release PTH compounds  
 (62) 2017336250

**Awati Xinya Cotton Industry Co., Ltd. see Institute of Cash Crops, Xinjiang Academy of Agricultural Sciences**  
 (21) 2023202399

(71) B. Braun Melsungen AG  
 (21) 2023202317 (22) 14.04.2023  
 (54) Infusion system and catheter for such an infusion system  
 (31) 102022204439.8 (32) 05.05.22 (33) DE

(71) Bank of Hangzhou Consumer Finance Co., Ltd.  
 (21) 2023202280 (22) 13.04.2023  
 (54) Project health monitoring and analyzing method and device based on behavior analysis  
 (31) CN202211395998.0(32) 09.11.22 (33) CN

(71) Bank of Hangzhou Consumer Finance Co., Ltd.  
 (21) 2023202284 (22) 13.04.2023  
 (54) An automatic data replay method for software testing  
 (31) CN202310001288.3(32) 03.01.23 (33) CN

(71) Bard Peripheral Vascular, Inc.  
 (21) 2023202176 (22) 11.04.2023  
 (54) DEVICES, SYSTEMS, AND METHODS FOR DETERMINING A USE OF UNITS IN MEDICAL PROCEDURES TO ESTABLISH EFFICIENCY AND ALTERNATE PRICING  
 (62) 2019462994

(71) BASF SE  
 (21) 2023202412 (22) 19.04.2023  
 (54) Herbicidal phenylethers  
 (62) 2018373532

(71) Bayer Healthcare LLC  
 (21) 2023202267 (22) 12.04.2023  
 (54) System and method for syringe fluid fill verification and image recognition of power injector system features  
 (62) 2021204061

(71) Bedgear, LLC  
 (21) 2023202276 (22) 13.04.2023  
 (54) Independent suspension spring assembly  
 (62) 2017284082

(71) Beijing Baidu Netcom Science Technology Co., Ltd.  
 (21) 2023202346 (22) 17.04.2023  
 (54) Coupling component applied to quantum chip, quantum chip and quantum computing device  
 (31) 202210948015.5 (32) 08.08.22 (33) CN

(71) Beijing Baidu Netcom Science Technology Co., Ltd.  
 (21) 2023202379 (22) 19.04.2023  
 (54) SIMULATION METHOD AND APPARATUS, DEVICE, AND STORAGE MEDIUM  
 (31) 202210934648.0 (32) 20.04.22 (33) CN

(71) Beijing Tusen Zhitu Technology Co., Ltd.  
 (21) 2023202200 (22) 11.04.2023

(54) Simulation method, computing device and storage medium  
 (31) 202210381098.4 (32) 12.04.22 (33) CN  
 202310354988.0 04.04.23 CN

(71) Beijing Wenhaiyang Industry Trading Co., Ltd; CRAYOLA LLC  
 (21) 2023202359 (22) 18.04.2023  
 (54) OUTPUT DEVICE FOR UNIFORMLY MIXED LIQUID AND METHOD FOR MAKING AND USING THE SAME  
 (31) 202210416218.X (32) 20.04.22 (33) CN  
 202220920729.0 20.04.22 CN

(71) Biogen Inc.  
 (21) 2023202293 (22) 13.04.2023  
 (54) Novel salts  
 (62) 2018338884

(71) Bioverativ Therapeutics Inc.  
 (21) 2023202218 (22) 11.04.2023  
 (54) Optimized factor viii genes  
 (62) 2017214378

(71) Blaze Bioscience, Inc.  
 (21) 2023202389 (22) 19.04.2023  
 (54) Chlorotoxin conjugates and methods of use thereof  
 (62) 2021202814

(71) Blue River Technology Inc.  
 (21) 2023202273 (22) 13.04.2023  
 (54) DYNAMIC GENERATION OF EXPERIMENTAL TREATMENT PLANS  
 (31) 17/840,856 (32) 05.06.22 (33) US

**Borchers, T. see Werner, M.**  
 (21) 2023202297

(71) Boston Scientific Scimed, Inc.  
 (21) 2023202194 (22) 11.04.2023  
 (54) Medical device containment and transportation systems and methods  
 (62) 2019416199

(71) BOWLEY, C.  
 (21) 2023202369 (22) 18.04.2023  
 (54) A CONSTRUCTION ELEMENT AND SYSTEM

(71) Boyle, P.  
 (21) 2023202434 (22) 20.04.2023  
 (54) IMPROVED ANTENNA APPARATUS AND METHOD  
 (31) 2022901104 (32) 27.04.22 (33) AU

(71) Britax Child Safety, Inc.  
 (21) 2023202295 (22) 13.04.2023

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(54) PARKING BRAKE ASSEMBLIES FOR CHILD STROLLERS  
(31) 63/331,476 (32) 15.04.22 (33) US  
63/331,493 15.04.22 US

(71) Bruin Biometrics LLC  
(21) 2023202372 (22) 18.04.2023  
(54) Apparatus and methods for determining damaged tissue using sub-epidermal moisture measurements  
(62) 2018289297

(71) Bullfrog International, LC.  
(21) 2023202306 (22) 14.04.2023  
(54) Headrest for Selectively Removable Spa Seatback  
(31) 18/099,758 (32) 20.01.23 (33) US

(71) Burkardt, F.  
(21) 2023202281 (22) 13.04.2023  
(54) Catch for folding bench of table

(71) Butlr Technologies Inc.  
(21) 2023202347 (22) 17.04.2023  
(54) MONITORING HUMAN LOCATION, TRAJECTORY AND BEHAVIOR USING THERMAL DATA  
(62) 2022275481

(71) Cactus Wellhead, LLC  
(21) 2023202441 (22) 20.04.2023  
(54) Nested lock screw  
(31) 63/334,112 (32) 23.04.22 (33) US

(71) Cambridge Enterprise Limited; The Sydney Children's Hospitals Network (Randwick and Westmead)  
(21) 2023202099 (22) 05.04.2023  
(54) Treatment of complement-mediated disorders  
(62) 2017264750

(71) Canon Kabushiki Kaisha  
(21) 2023202312 (22) 14.04.2023  
(54) Method, apparatus and system for encoding and decoding a tensor

(71) Canon Kabushiki Kaisha  
(21) 2023202315 (22) 14.04.2023  
(54) Method, apparatus and system for encoding and decoding a tensor

(71) Canva Pty Ltd  
(21) 2023202429 (22) 20.04.2023  
(54) Image rotation  
(62) 2023202005

(71) Caravel Therapeutics, Inc.  
(21) 2023202162 (22) 07.04.2023

(54) PRESERVATIVE-FREE OPHTHALMIC PHARMACEUTICAL EMULSION AND ITS APPLICATION  
(31) 63/330,324 (32) 13.04.22 (33) US

(71) Carbon Technology Holdings, LLC  
(21) 2023202334 (22) 17.04.2023  
(54) Biogenic porous carbon silicon dioxide compositions and methods of making and using same  
(62) 2019285032

(71) CATERPILLAR INC.  
(21) 2023202407 (22) 19.04.2023  
(54) STABILITY SYSTEM FOR AN ARTICULATED MACHINE IN A COASTING MODE  
(31) 17/737,506 (32) 05.05.22 (33) US

(71) CATERPILLAR INC.  
(21) 2023202409 (22) 19.04.2023  
(54) STABILITY SYSTEM FOR AN ARTICULATED MACHINE  
(31) 17/737,370 (32) 05.05.22 (33) US

(71) Celgene Corporation  
(21) 2023202159 (22) 06.04.2023  
(54) Treatment of a hematologic malignancy with 2-(4-chlorophenyl)-N-((2-(2,6-dioxopiperidin-3-yl)-1-oxoisindolin-5-yl)methyl)-2,2-difluoroacetamide  
(62) 2017278114

(71) Centre for Development of Advanced Computing; National Institute of Technology Calicut  
(21) 2023202272 (22) 13.04.2023  
(54) A device and method for power management in a DC nanogrid power distribution system  
(31) 202241022079 (32) 13.04.22 (33) IN

**CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE see UNIVERSITE DE MONTPELLIER**  
(21) 2023202386

(71) CFPH, LLC  
(21) 2023202376 (22) 18.04.2023  
(54) GAME WITH INTERIM BETTING  
(62) 2021200791

(71) CHINA UNIVERSITY OF MINING AND TECHNOLOGY  
(21) 2023202324 (22) 17.04.2023  
(54) METHOD OF STEEPLY-INCLINED HORIZONTAL SECTION TOP-COAL CAVING FOR PRESSURE RELIEF  
(31) 2022104984112 (32) 09.05.22 (33) CN

(71) CHRYSO  
(21) 2023202421 (22) 20.04.2023

(54) Method for using alkanolamine in a grinder  
(62) 2019356954

(71) CloudBlue LLC  
(21) 2023202120 (22) 05.04.2023  
(54) SYSTEM AND METHOD FOR MULTILAYERED BILLING IN A CLOUD SERVICE BROKERAGE  
(62) 2017386690

(71) CloudBlue LLC  
(21) 2023202161 (22) 07.04.2023  
(54) TECHNOLOGIES FOR AUTOMATICALLY VALIDATING THE FUNCTIONALITY OF OFFERS IN A CLOUD SERVICE BROKERAGE SYSTEM  
(62) 2018308370

(71) Cold Spring Harbor Laboratory; Stoke Therapeutics, Inc.  
(21) 2023202216 (22) 11.04.2023  
(54) Antisense oligomers for treatment of autosomal dominant mental retardation-5 and dravet syndrome  
(62) 2016370653

**Combe, T. see Ward, A.**  
(21) 2023202323

(71) ConMed Corporation  
(21) 2023202345 (22) 17.04.2023  
(54) Traction tower trap and finger trap system  
(62) 2020311286

(71) Cooke, K.  
(21) 2023202170 (22) 09.04.2023  
(54) Compostable Facemask

**CRAYOLA LLC see Beijing Wenhaiyang Industry Trading Co., Ltd**  
(21) 2023202359

(71) Cripps Clark, J.  
(21) 2023202418 (22) 20.04.2023  
(54) IntegTechPLUS - Further extensions for distributed block chain systems enabling systemizing and processing of distributed components including with temporal, spatial and or ordinally displaced inputs including data and stream aggregations in fast and closely coupled architectures (especially but not limited to quantum processors and AI learning & de/constructions) with : process model, standard interface needs for implementing and managing various types of processing pipelines with block chain architecture

Complete Applications Filed - Name Index cont'd

able to also coordinate authenticable calculations.	(71) Dama Manufacturing Ltd	(54) RNAi approach for crop pest protection
(31) 2022900156 (32) 30.01.22 (33) AU	(21) 2023202422 (22) 20.04.2023	(62) 2018261075
2023900667 12.03.23 AU	(54) WATER FILTER/SCREEN	
2023900576 04.03.23 AU	(31) 2022901063 (32) 22.04.22 (33) AU	
2022901956 13.07.22 AU		
(61) 2022203235		
	(71) Dansons US, LLC	(71) DRAEGER SAFETY AG & CO. KGAA
(71) Crossford International LLC	(21) 2023202265 (22) 12.04.2023	(21) 2023202307 (22) 14.04.2023
(21) 2023202165 (22) 08.04.2023	(54) Systems and methods for controlling grilling appliances via edge computing platforms	(54) SAFETY HELMET WITH AN INTERMEDIATE PIECE FOR CHANGING THE CENTER OF GRAVITY AND ARRANGEMENTS COMPRISING SUCH A SAFETY HELMET AND TWO ALTERNATIVE INTERMEDIATE PIECES
(54) MODULAR HEAD CLEANING DEVICE AND SYSTEM	(31) 63/345,797 (32) 25.05.22 (33) US	(61) 2021202596
(31) 17/658,835 (32) 12.04.22 (33) US	17/981,710 07.11.22 US	(62) 2021202596
	(71) Deere & Company	(71) E. Mishan & Sons, Inc.
(71) Crossford International LLC	(21) 2023202134 (22) 06.04.2023	(21) 2023202246 (22) 12.04.2023
(21) 2023202166 (22) 08.04.2023	(54) Press wheel	(54) COOKWARE SET WITH LID HOOK
(54) CONVEYOR BELT CLEANING DEVICE ADAPTED WITH MODULAR CLEANING HEADS	(31) 17/837,539 (32) 10.06.22 (33) US	(31) 17/731,767 (32) 28.04.22 (33) US
(31) 17/658,835 (32) 12.04.22 (33) US		
17/805,722 07.06.22 US	(71) Dermatology Hospital, Southern Medical University (Guangdong Provincial Dermatology Hospital, Guangdong Provincial Center for STI & Skin Diseases Control and Prevention, Research Center for Leprosy Control and Prevention, China)	(71) EdiGene Therapeutics (Beijing) Inc.; Peking University
17/805,723 07.06.22 US	(21) 2023201750 (22) 21.03.2023	(21) 2023202184 (22) 11.04.2023
17/805,727 07.06.22 US	(54) FUSION PROTEIN FOR DETECTING NEUROSYPHILIS AND KIT THEREOF	(54) Methods and Compositions for Editing RNAs
	(31) 2023100810493 (32) 08.02.23 (33) CN	(62) 2019357450
	(71) Dexcom, Inc.	(71) Efficient Lighting Systems Pty Ltd
(71) Crossford International LLC	(21) 2023202112 (22) 05.04.2023	(21) 2023202156 (22) 06.04.2023
(21) 2023202167 (22) 08.04.2023	(54) Diabetes management partner interface for wireless communication of analyte data	(54) LUMINAIRE HOUSING AND METHOD
(54) CONVEYOR BELT CLEANING DEVICE CONTROLLABLE BY A CONTROL PANEL	(62) 2018362257	
(31) 17/658,835 (32) 12.04.22 (33) US		
17/805,722 07.06.22 US		
17/805,723 07.06.22 US		
17/805,727 07.06.22 US		
	(71) Dexcom, Inc.	(71) Effusioentech IP Pty Ltd
(71) Crossford International LLC	(21) 2023202235 (22) 12.04.2023	(21) 2023202406 (22) 19.04.2023
(21) 2023202168 (22) 08.04.2023	(54) System and method for data analytics and visualization	(54) A Method of Forming 3D Objects
(54) CONVEYOR BELT CLEANING DEVICE HAVING MODULARITY AND REAL-TIME CLEANING ADJUSTMENTS BASED ON SENSORY INPUT	(62) 2021202782	(62) 2017342702
(31) 17/658,835 (32) 12.04.22 (33) US		
17/805,722 07.06.22 US		
17/805,723 07.06.22 US		
17/805,727 07.06.22 US		
	(71) Dizal (Jiangsu) Pharmaceutical Co., Ltd.	(71) Eisai R&D Management Co., Ltd.
(71) CROWN EQUIPMENT CORPORATION	(21) 2023202151 (22) 06.04.2023	(21) 2023202358 (22) 18.04.2023
(21) 2023202256 (22) 12.04.2023	(54) ERBB/BTK INHIBITORS	(54) Pladienolide compounds and their use
(54) Dynamic operator behavior analyzer	(62) 2019215538	(62) 2019251096
(62) 2021202359		
	<b>Dolby International AB see Dolby Laboratories Licensing Corporation</b>	(71) ENDACE TECHNOLOGY LIMITED
(71) CSR Building Products Limited	(21) 2023202400 (22) 19.04.2023	(21) 2023202152 (22) 06.04.2023
(21) 2023202309 (22) 14.04.2023	(54) Audio decoder and decoding method	(54) METHOD AND SYSTEM FOR DISTRIBUTING CLOCK SIGNALS
(54) BRACKET	(62) 2021201082	(62) 2021200568
(62) 2021202878		
	(71) Dolby Laboratories Licensing Corporation; Dolby International AB	(71) Epic Sciences, Inc.
(71) Cue Vapor Limited	(21) 2023202400 (22) 19.04.2023	(21) 2023202282 (22) 13.04.2023
(21) 2023202217 (22) 11.04.2023	(54) Disposable tank electronic cigarette, method of manufacture and method of use	(54) Single cell genomic profiling of circulating tumor cells (CTCs) in metastatic disease to characterize disease heterogeneity
(54) Disposable tank electronic cigarette, method of manufacture and method of use	(62) 2021201082	(62) 2017205443
(62) 2021202586		
	(71) Donald Danforth Plant Science Center	
	(21) 2023202271 (22) 13.04.2023	

Complete Applications Filed - Name Index cont'd

(71) Epitech Group S.p.A.  
 (21) 2023202443 (22) 21.04.2023  
 (54) N-PALMITOYLETHANOLAMIDE AND MELATONIN FOR USE IN THE TREATMENT OF AUTISM SPECTRUM DISORDER AND OTHER NEUROBEHAVIORAL DISORDERS SIMILARLY ACCOMPANIED BY RESTLESSNESS, IRRITABILITY, SLEEP DISORDERS, AND POTENTIALLY STEREOTYPES  
 (31) 102022000007952 (32) 22.04.22 (33) IT

(71) EVOLVED BY NATURE, INC.  
 (21) 2023202116 (22) 05.04.2023  
 (54) WOOL ARTICLES COATED WITH SILK FIBROIN  
 (31) 63/328,234 (32) 06.04.22 (33) US  
 (62) PCT/US2021/052972

(71) Exact Sciences Corporation  
 (21) 2023202392 (22) 19.04.2023  
 (54) Multiplex amplification detection assay and isolation and detection of DNA from plasma  
 (62) 2016343937

(71) ExxonMobil Upstream Research Company (EMHC-N1-4A-607)  
 (21) 2023202254 (22) 12.04.2023  
 (54) Methods and systems for monitoring and optimizing reservoir stimulation operations  
 (62) 2022201376

(71) F. Hoffmann-La Roche AG  
 (21) 2023202255 (22) 12.04.2023  
 (54) Oligonucleotides for modulating Tau expression  
 (62) 2019297391

(71) Fasteners for Retail, Inc.  
 (21) 2023202357 (22) 18.04.2023  
 (54) ANTI-THEFT MERCHANDISE HOOK  
 (31) 17/855,359 (32) 30.06.22 (33) US

(71) Fisher & Paykel Healthcare Limited  
 (21) 2023202131 (22) 06.04.2023  
 (54) A Yoke for Headgear  
 (62) 2017335131

(71) Fisher & Paykel Healthcare Limited  
 (21) 2023202354 (22) 17.04.2023  
 (54) BREATHING TUBE ASSEMBLIES WITH ADJUSTABLE ELBOW  
 (62) 2020213389

(71) FISHER & PAYKEL HEALTHCARE LIMITED  
 (21) 2023202385 (22) 19.04.2023  
 (54) A VENT FOR A COMPONENT OF A RESPIRATORY THERAPY SYSTEM  
 (62) 2017293759

(71) Fisher and Paykel Healthcare Limited  
 (21) 2023202414 (22) 19.04.2023  
 (54) Adaptors and usability features for respiratory assistance systems  
 (62) 2021203206

(71) Ford Global Technologies, LLC  
 (21) 2023202424 (22) 20.04.2023  
 (54) Bolt on suspension kit for increasing vehicle payload  
 (31) 17/728,352 (32) 25.04.22 (33) US

(71) Framy Inc.  
 (21) 2023202163 (22) 07.04.2023  
 (54) Location-related topic discussion system, operating method and computer-readable recording medium  
 (31) 111113761 (32) 12.04.22 (33) TW

(71) Framy Inc.  
 (21) 2023202171 (22) 10.04.2023  
 (54) Method for providing location-based content-linking icon, system for the same, and computer-readable recording medium  
 (31) 111114572 (32) 18.04.22 (33) TW

(71) Framy Inc.  
 (21) 2023202172 (22) 10.04.2023  
 (54) Method, system for providing sight information and computer-readable recording medium  
 (31) 111114571 (32) 18.04.22 (33) TW

(71) FUJIFILM Business Innovation Corp.  
 (21) 2023202384 (22) 19.04.2023  
 (54) Fixing device and image forming apparatus  
 (62) 2019434978

(71) GALE, A.  
 (21) 2023202353 (22) 17.04.2023  
 (54) An ear wax remover  
 (31) 2022902719 (32) 20.09.22 (33) AU

(71) Garock Pty Ltd  
 (21) 2023202198 (22) 11.04.2023  
 (54) Rock Bolt  
 (62) 2021203871

(71) Gen-Probe Incorporated  
 (21) 2023202333 (22) 17.04.2023  
 (54) Methods and compositions for detecting Candida species  
 (62) 2017205399

(71) Gen-Probe Incorporated  
 (21) 2023202348 (22) 17.04.2023  
 (54) Red blood cell lysis solution  
 (62) 2020223758

(71) Gen-Probe Incorporated  
 (21) 2023202451 (22) 21.04.2023  
 (54) Compositions and methods for detecting group B Streptococcus nucleic acid  
 (62) 2019286648

(71) GEN-PROBE INCORPORATED  
 (21) 2023202340 (22) 17.04.2023  
 (54) Methods and compositions for detecting Candida species  
 (62) 2017205399

(71) Getac Technology Corporation  
 (21) 2023202261 (22) 12.04.2023  
 (54) Vehicle power management system and power management method thereof  
 (31) 63/420,467 (32) 28.10.22 (33) US

(71) GHD, Inc.  
 (21) 2023202444 (22) 21.04.2023  
 (54) COMBINED HYDROGEN FUEL CELL FOR VEHICLE FUELING, ELECTRIC VEHICLE FAST CHARGING AND FUEL CELL BACK-UP POWER FORECOURT  
 (62) 2022211781

(71) Giant Manufacturing Co., Ltd.  
 (21) 2023202450 (22) 21.04.2023  
 (54) BICYCLE FRAME SET  
 (31) 63/363,464 (32) 22.04.22 (33) US  
 63/379,355 13.10.22 US

(71) Giant Manufacturing Co., Ltd.  
 (21) 2023202452 (22) 21.04.2023  
 (54) BICYCLE FRAME SET  
 (31) 63/363,464 (32) 22.04.22 (33) US  
 63/379,355 13.10.22 US

(71) Gilead Sciences, Inc.  
 (21) 2023202364 (22) 18.04.2023  
 (54) PD-1/PD-L1 inhibitors  
 (62) 2021204222

(71) Glass Expansion Pty. Limited  
 (21) 2023202154 (22) 06.04.2023  
 (54) A flow control device  
 (31) 2022900927 (32) 08.04.22 (33) AU

(71) Global Payment Technologies Australia  
 (21) 2023202220 (22) 11.04.2023  
 (54) Remote management of a bill validator for a gaming machine  
 (62) 2021200623

(71) Global Specimen Solutions, Inc.  
 (21) 2023202381 (22) 19.04.2023  
 (54) METHODS AND SYSTEMS FOR CLOUD-AND MOBILE DEVICE-BASED BIOLOGICAL INVENTORY TRACKING  
 (62) 2021203255

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<p>(71) Global Tel*Link Corporation (21) 2023202148 (22) 06.04.2023 (54) System and method for integration of telemedicine into multimedia video visitation systems in correctional facilities (62) 2017262755</p>	<p>(71) Haleem, S. (21) 2023202173 (22) 10.04.2023 (54) SURGICAL INSTRUMENT FOR EXCISING TISSUE (62) 2020294338</p>	<p>(54) ELECTROCHEMICAL CELL MONITORING DEVICE, ELECTROCHEMICAL CELL MONITORING SYSTEM AND METHOD (31) 102022112494.0 (32) 18.05.22 (33) DE</p>
<p>(71) Goetsch, D. (21) 2023202126 (22) 05.04.2023 (54) Lift devices for container (31) 63/327,871 (32) 06.04.22 (33) US 63/335,355 27.04.22 US 63/354,826 23.06.22 US 63/357,896 01.07.22 US 63/421,648 22.11.22 US 63/450,539 07.03.23 US 18/129,818 31.03.23 US</p>	<p>(71) HANGZHOU NORMAL UNIVERSITY QIANJIANG COLLEGE (21) 2023202326 (22) 17.04.2023 (54) NON-CONTACT VITAL SIGNS MONITORING SYSTEM (31) 202210469714.1 (32) 28.04.22 (33) CN</p>	<p>(71) Huawei Technologies Co., Ltd. (21) 2023202264 (22) 12.04.2023 (54) RELATION BETWEEN PARTITION CONSTRAINT ELEMENTS (62) 2019334017</p>
<p>(71) Goldfinch Bio, Inc. (21) 2023202125 (22) 05.04.2023 (54) Pyridazinones and methods of use thereof (62) 2018334290</p>	<p>(71) Hanwha Corporation (21) 2023201922 (22) 29.03.2023 (54) Emulsion Explosive Composition Based On Hydrogen Peroxide And Nitrate (31) 10-2022-0047302 (32) 18.04.22 (33) KR</p>	<p>(71) Hycroft Mining Holding Corporation (21) 2023202314 (22) 14.04.2023 (54) Alkaline oxidation methods and systems for recovery of metals from ores (62) 2019271141</p>
<p>(71) Google LLC (21) 2023202214 (22) 11.04.2023 (54) GENERATING VIDEOS USING SEQUENCES OF GENERATIVE NEURAL NETWORKS (31) 18/126,281 (32) 24.03.23 (33) US</p>	<p>(71) HemoCept Inc. (21) 2023202274 (22) 13.04.2023 (54) SYSTEM AND METHOD OF ASSESSING INTRA-ARTERIAL FLUID VOLUME USING INTELLIGENT PULSE AVERAGING WITH INTEGRATED EKG AND PPG SENSORS (62) 2021256968</p>	<p>(71) Hytech Power, Inc. (21) 2023202266 (22) 12.04.2023 (54) A method of generating and distributing a second fuel for an internal combustion engine (62) 2017229114</p>
<p>(71) Google LLC (21) 2023202257 (22) 12.04.2023 (54) QUBIT CALIBRATION (62) 2021232777</p>	<p>(71) Heraeus Deutschland GmbH &amp; Co. KG (21) 2023202445 (22) 21.04.2023 (54) CATALYST SYSTEM FOR A FLOW REACTOR AND METHOD FOR CATALYTIC OXIDATION OF AMMONIA (31) 22175270.2 (32) 25.05.22 (33) EP</p>	<p>(71) Ideate Developments Pty Ltd (21) 2023202229 (22) 11.04.2023 (54) HOOKLESS FISHING LURE (31) 2022900952 (32) 11.04.22 (33) AU</p>
<p>(71) Google LLC (21) 2023202260 (22) 12.04.2023 (54) DYNAMIC CARRIER SUBBAND OPERATION FOR ACTIVE COORDINATION SETS (62) 2020216095</p>	<p>(71) Heraeus Medical GmbH (21) 2023202449 (22) 21.04.2023 (54) DEVICE AND METHOD FOR PREPARING BONE CEMENT PASTE (31) 22174728.0 (32) 23.05.22 (33) EM</p>	<p>(71) Idemia Identity &amp; Security France (21) 2023202247 (22) 12.04.2023 (54) Method for generating a palm image based on partial images of a palm (31) FR2204184 (32) 03.05.22 (33) FR</p>
<p>(71) GREEN SPORTS, INC. (21) 2023202395 (22) 19.04.2023 (54) REUSABLE SWIM DIAPER (31) 63/482,387 (32) 31.01.23 (33) US 18/189,313 24.03.23 US</p>	<p>(71) Hexamer Therapeutics, Inc. (21) 2023202175 (22) 11.04.2023 (54) Self-assembling peptide scaffold (62) 2019300038</p>	<p>(71) IGT (21) 2023202128 (22) 06.04.2023 (54) REPAYMENT OF LINE OF CREDIT FUNDS FROM A GAMING DEVICE (31) 17/729,659 (32) 26.04.22 (33) US</p>
<p>(71) Gritstone bio, Inc. (21) 2023202423 (22) 20.04.2023 (54) Alphavirus neoantigen vectors (62) 2018266705</p>	<p>(71) HONEYWELL INTERNATIONAL INC. (21) 2023202410 (22) 19.04.2023 (54) APPARATUS AND METHOD FOR IDENTIFYING DEVICE COMMUNICATION FAILURES IN COMMUNICATION NETWORKS (31) 17/743,756 (32) 13.05.22 (33) US</p>	<p>(71) IGT (21) 2023202129 (22) 06.04.2023 (54) TRANSFERRING LINE OF CREDIT FUNDS AND GAMING ESTABLISHMENT ACCOUNT FUNDS TO A GAMING DEVICE (31) 17/729,566 (32) 26.04.22 (33) US</p>
<p>(71) GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD. (21) 2023202428 (22) 20.04.2023 (54) Wireless communication method and device (62) 2017418045</p>	<p>(71) HONEYWELL INTERNATIONAL INC. (21) 2023202411 (22) 19.04.2023 (54) AD-HOC DELEGATION OF CONSOLE TASKS TO A CONSOLE (31) 63/344,082 (32) 20.05.22 (33) US</p>	<p>(71) Illinois Tool Works Inc. (21) 2023202239 (22) 12.04.2023 (54) Method and apparatus for applying a corrosion-resistant coating to fasteners (62) 2017301641</p>
	<p>(71) H-TEC Systems GmbH (21) 2023202387 (22) 19.04.2023</p>	<p>Illumina, Inc. see University of Washington Through its Center for Commercialization (21) 2023202390</p>



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(71) ImmunoGen, Inc.  
(21) 2023202221 (22) 11.04.2023  
(54) Methods of preparing cytotoxic benzo-diazepine derivatives  
(62) 2021203148

(71) Indian Oil Corporation Limited  
(21) 2023202311 (22) 14.04.2023  
(54) A Method For Producing Levulinic Acid  
(31) 202221023739 (32) 22.04.22 (33) IN

(71) Industriale Chimica S.r.l.  
(21) 2023202251 (22) 12.04.2023  
(54) Process for preparing (15 $\alpha$ ,16 $\alpha$ ,17 $\beta$ )-Estra-1,3,5(10)-Triene-3,15,16,17-Tetrol Monohydrate (Estetrol Monohydrate)  
(62) 2020355615

(71) Inertech IP LLC  
(21) 2023202362 (22) 18.04.2023  
(54) MODULAR AIR COOLING AND DISTRIBUTION SYSTEMS AND METH-ODS  
(62) 2018301734

(71) Inovio Pharmaceuticals, Inc.  
(21) 2023202108 (22) 05.04.2023  
(54) Method and device for minimally invasive in vivo transfection of adipose tissue using electroporation  
(62) 2020250317

(71) Inspired Living Developments Pty Ltd  
(21) 2023202192 (22) 11.04.2023  
(54) Underground raise ladderway and installation method  
(31) 2022900955 (32) 11.04.22 (33) AU

**INSTITUT CURIE see UNIVERSITE DE MONTPELLIER**  
(21) 2023202386

(71) Institute of Cash Crops, Xinjiang Academy of Agricultural Sciences; Awati Xinya Cotton Industry Co., Ltd.  
(21) 2023202399 (22) 19.04.2023  
(54) PROCESSING AND PRODUCTION METHOD FOR MACHINE-HARVESTED COTTON WITH LOW MECHANICAL DAMAGE TO FIBERS  
(31) CN202210463071.X(32) 27.04.22 (33) CN

(71) Intellijoint Surgical Inc.  
(21) 2023202415 (22) 19.04.2023  
(54) OPTICALLY DETECTABLE MARKERS FOR TRACKING, AND METHODS FOR MANUFACTURING, ASSEMBLING, AND USING THE SAME  
(31) 17/851,941 (32) 28.06.22 (33) US

(71) Intrabio Limited  
(21) 2023202121 (22) 05.04.2023

(54) Therapeutic agents for neurodegenerative diseases  
(62) 2017308865

(71) Intuit Inc.  
(21) 2023202204 (22) 11.04.2023  
(54) Auto-pilot transactions using smart contracts  
(62) 2019449460

(71) INX Software Pty Ltd  
(21) 2023202149 (22) 06.04.2023  
(54) TRAVEL ROSTERING TOOL, SYSTEM AND METHOD  
(62) 2021202529

(71) iSOL8 Pty Ltd  
(21) 2023202349 (22) 17.04.2023  
(54) APPARATUS AND RELATED METHOD FOR ISOLATION LOCKING OF AN ASSET  
(62) 2022201115

**Iwanoff, A. see Werner, M.**  
(21) 2023202297

(71) JANG, S.H.  
(21) 2023202123 (22) 05.04.2023  
(54) PORTABLE POWER STORAGE DEVICE WITH A SELF-GENERATION AND NANO-CAPACITOR STORAGE STRUCTURE  
(31) 10-2022-0126864 (32) 05.10.22 (33) KR

**JiangSu XCMG Construction Machinery Research Institute Ltd. see Shanghai XCMG Intelligent Technology Co., Ltd**  
(21) 2023202322

**Jinko Solar Co., Ltd. see Zhejiang Jinko Solar Co., Ltd.**  
(21) 2023202291

(71) Jonquil Consulting Inc.  
(21) 2023202224 (22) 11.04.2023  
(54) Method for treating carbon dioxide contained in natural gas and aqueous dispersion used therein  
(31) 18/071,377 (32) 29.11.22 (33) US

(71) Joy Global Underground Mining LLC  
(21) 2023202226 (22) 11.04.2023  
(54) ROCK CUTTING DEVICE  
(62) 2017330397

(71) Joy Global Underground Mining LLC  
(21) 2023202228 (22) 11.04.2023  
(54) MACHINE SUPPORTING ROCK CUTTING DEVICE  
(62) 2017330401

**JUN, J. see JUN, H.**  
(21) 2023202219

(71) JUN, H.; JUN, J.  
(21) 2023202219 (22) 11.04.2023  
(54) BLOCK-TYPE ART KIT  
(31) 10-2022-0046640 (32) 15.04.22 (33) KR  
10-2023-0003791 11.01.23 KR

(71) Kelvin Lighting Pty Ltd  
(21) 2023202408 (22) 19.04.2023  
(54) A luminaire  
(31) 2022901043 (32) 20.04.22 (33) AU

(71) Kim, H.  
(21) 2023202230 (22) 11.04.2023  
(54) BIODEGRADABLE, CURABLE COMPOSITION AND STRUCTURE USING THE SAME  
(62) 2021202411

(71) Kite Pharma, Inc.  
(21) 2023202308 (22) 14.04.2023  
(54) Methods of administering chimeric antigen receptor immunotherapy  
(62) 2021282551

(71) Kode Biotech Limited  
(21) 2023202155 (22) 06.04.2023  
(54) LARGE SCALE PRODUCTION OF N-ACETYLLACTOSAMINE DERIVATIVES  
(31) 2022900930 (32) 08.04.22 (33) AU

(71) Komatsu Ltd.; Toyota Jidosha Kaishiki Kaisha  
(21) 2023202343 (22) 17.04.2023  
(54) Management system for autonomous travel vehicle and management method for autonomous travel vehicle  
(31) 2022-070693 (32) 22.04.22 (33) JP

(71) Komatsu Ltd.; Toyota Jidosha Kaishiki Kaisha  
(21) 2023202351 (22) 17.04.2023  
(54) Work site management system and work site management method  
(31) 2022-070690 (32) 22.04.22 (33) JP

(71) Komatsu Ltd.; Toyota Jidosha Kaishiki Kaisha  
(21) 2023202373 (22) 18.04.2023  
(54) Work site management system and work site management method  
(31) 2022-070691 (32) 22.04.22 (33) JP

(71) Komatsu Ltd.; Toyota Jidosha Kaishiki Kaisha  
(21) 2023202425 (22) 20.04.2023

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(54) Management system of work site and management method of work site  
(31) 2022-070689 (32) 22.04.22 (33) JP

(71) Koninklijke Philips N.V.  
(21) 2023202212 (22) 11.04.2023  
(54) A light emitting arrangement for anti-fouling of a protected surface  
(62) 2017301848

(71) Kunming Tekang Technology Co., Ltd; Zhejiang Yunjie Technology Co., Ltd.  
(21) 2023202258 (22) 12.04.2023  
(54) FAN MILL  
(62) 2019344870

(71) L'Air Liquide, Société Anonyme pour l'Etude et l'Exploitation des Procédés Georges Claude  
(21) 2023202303 (22) 14.04.2023  
(54) METHOD AND DEVICE FOR OPERATING A CRYOGENIC TUNNEL  
(31) 2203801 (32) 25.04.22 (33) FR

(71) Lash Goggles  
(21) 2023202330 (22) 17.04.2023  
(54) Goggles and Ear Straps

(71) Legochem Biosciences, Inc.; NovImmune, SA  
(21) 2023202448 (22) 21.04.2023  
(54) Compositions and methods related to anti-CD19 antibody drug conjugates  
(62) 2019266406

(71) LG Electronics Inc.  
(21) 2023202223 (22) 11.04.2023  
(54) Ice maker and refrigerator  
(62) 2019380200

(71) LG Electronics Inc.  
(21) 2023202252 (22) 12.04.2023  
(54) Ice maker and refrigerator  
(62) 2019384866

(71) LG Electronics Inc.  
(21) 2023202374 (22) 18.04.2023  
(54) Ice maker and refrigerator having the same  
(62) 2019381567

(71) LG Electronics Inc.  
(21) 2023202375 (22) 18.04.2023  
(54) Ice maker and refrigerator having the same  
(62) 2019381567

(71) Libertas Bio, Inc.  
(21) 2023202157 (22) 06.04.2023

(54) AMINOINDANE COMPOUNDS AND USE THEREOF IN TREATING PAIN  
(62) 2020277232

(71) Lien, I.S.  
(21) 2023202367 (22) 18.04.2023  
(54) Method Of Providing Content And Features For An Object  
(31) 32022052024.3 (32) 20.04.22 (33) HK

(71) Life Technologies Corporation  
(21) 2023202313 (22) 14.04.2023  
(54) Instruments, devices and consumables for use in a workflow of a smart molecular analysis system  
(62) 2019214969

(71) Lion (Aust) Consolidated Pty. Ltd.  
(21) 2023202222 (22) 11.04.2023  
(54) HOLDING STRAP WITH TUBES OR SLEEVES  
(31) 2022900921 (32) 07.04.22 (33) AU

(71) Lion Group, Inc.  
(21) 2023202143 (22) 06.04.2023  
(54) Fire fighting training system with steam/smoke generation  
(62) 2021201416

(71) LOAM BIO PTY LTD  
(21) 2023202250 (22) 12.04.2023  
(54) METHODS FOR CARBON CAPTURE AND INCREASING YIELD OF PLANTS  
(62) 2022283793

(71) Lonman Auto Accessories Co., Ltd  
(21) 2023202201 (22) 11.04.2023  
(54) VEHICLE-MOUNTED MOVABLE KIT-CHEN  
(31) 2023203551123 (32) 01.03.23 (33) CN

(71) LTH HOLDINGS PTY LTD  
(21) 2023202356 (22) 17.04.2023  
(54) LIQUID SEPARATOR SYSTEM

(71) Magnet Forensics Inc.  
(21) 2023202296 (22) 13.04.2023  
(54) Computer method and system for intelligence gathering  
(31) 63/330,685 (32) 13.04.22 (33) US

(71) Malema Engineering Corporation  
(21) 2023202209 (22) 11.04.2023  
(54) Replaceable coriolis flow sensors with broad operating range  
(31) 17/718,197 (32) 11.04.22 (33) US

Mantha, P. see Sturm, P.  
(21) 2023202102

(71) Manuka Health New Zealand Limited  
(21) 2023202398 (22) 19.04.2023  
(54) PROPOLIS AND EXTRACTS THEREOF FOR THE TREATMENT OF SKIN CANCERS AND IMPROVEMENT OF SKIN HEALTH  
(62) 2021200931

(71) Mastix, LLC  
(21) 2023202142 (22) 06.04.2023  
(54) Oral compositions delivering therapeutically effective amounts of cannabinoids  
(62) 2017281237

(71) Match Group, LLC  
(21) 2023202189 (22) 11.04.2023  
(54) SYSTEM AND METHOD FOR MATCHING USING LOCATION INFORMATION  
(62) 2021225871

(71) MAX CO., LTD.  
(21) 2023202196 (22) 11.04.2023  
(54) INFORMATION PROCESSING APPARATUS, INFORMATION PROCESSING METHOD, AND PROGRAM  
(31) 2022-064770 (32) 08.04.22 (33) JP

(71) MAX CO., LTD.  
(21) 2023202210 (22) 11.04.2023  
(54) ELECTRIC POWER TOOL, PROCESSOR FOR ELECTRIC POWER TOOL, AND PROGRAM FOR ELECTRIC POWER TOOL  
(31) 2022-064769 (32) 08.04.22 (33) JP

(71) Merit Medical Systems, Inc.  
(21) 2023202115 (22) 05.04.2023  
(54) Pliant members for receiving and aiding in the deployment of vascular prostheses  
(62) 2017335843

(71) Milton Roy, LLC  
(21) 2023202103 (22) 05.04.2023  
(54) Dielectric Assembly For Non-Thermal Plasma Reactor  
(31) 63/328,425 (32) 07.04.22 (33) US  
18/191,113 28.03.23 US

(71) ModernaTX, Inc.  
(21) 2023202107 (22) 05.04.2023  
(54) mRNA combination therapy for the treatment of cancer  
(62) 2017268399

(71) Molecular Templates, Inc.  
(21) 2023202132 (22) 06.04.2023  
(54) Cell-targeting molecules comprising de-immunized, Shiga toxin A Subunit effectors and CD8+ T-cell epitopes  
(62) 2018213194

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(71) Motion Metrics International Corp.  
(21) 2023202153 (22) 06.04.2023  
(54) Apparatus for analyzing a payload being transported in a load carrying container of a vehicle  
(62) 2020404468

**National Institute of Technology Calicut see Centre for Development of Advanced Computing**  
(21) 2023202272

(71) Netflix, Inc.  
(21) 2023202133 (22) 06.04.2023  
(54) Automated video cropping using relative importance of identified objects  
(62) 2020304345

(71) New York Air Brake, LLC  
(21) 2023202147 (22) 06.04.2023  
(54) Radio blocking in a train control system  
(62) 2021202316

(71) Nexus Spine, LLC  
(21) 2023202114 (22) 05.04.2023  
(54) Press-fit anterior cervical plate  
(62) 2020221196

(71) Nicoventures Trading Limited  
(21) 2023202237 (22) 12.04.2023  
(54) Data capture across devices  
(62) 2021254534

(71) Nilo Limited  
(21) 2023202145 (22) 06.04.2023  
(54) Slurry processing apparatus and related methods  
(62) 2021204554

(71) NOKE LIMITED  
(21) 2023202455 (22) 21.04.2023  
(54) AN IMPROVED METHOD FOR DECOMPOSING ANIMAL SKIN  
(31) 787450 (32) 22.04.22 (33) NZ

**NovImmune, SA see Legochem Biosciences, Inc.**  
(21) 2023202448

(71) Novobiotic Pharmaceuticals, LLC  
(21) 2023202342 (22) 17.04.2023  
(54) Novel depsipeptide and uses thereof  
(62) 2021209264

(71) Nuheara IP Pty Ltd  
(21) 2023202186 (22) 11.04.2023  
(54) AN AUDIO SYSTEM  
(31) 2022900971 (32) 12.04.22 (33) AU

(71) NuVasive, Inc.  
(21) 2023202453 (22) 21.04.2023  
(54) SURGICAL SPINAL CORRECTION  
(62) 2021203958

(71) Ohuku LLC  
(21) 2023202290 (22) 13.04.2023  
(54) Method and system for simulating, predicting, interpreting, comparing, or visualizing complex data  
(62) 2021201483

(71) Ojai Energetics PBC  
(21) 2023202180 (22) 11.04.2023  
(54) SYSTEMS AND METHODS FOR STORING ELECTRICAL ENERGY  
(62) 2018244601

(71) OnPoint Vision, Inc.  
(21) 2023202336 (22) 17.04.2023  
(54) Intraocular pseudophakic contact lenses and related systems and methods  
(62) 2021245264

**Opiant Pharmaceuticals, Inc. see Aegis Therapeutics, LLC**  
(21) 2023202420

(71) Paragon 28, Inc.  
(21) 2023202269 (22) 12.04.2023  
(54) SURGICAL METHODS FOR PROCEDURES OF THE SUBTALAR JOINT  
(31) 63/362,850 (32) 12.04.22 (33) US

**Peking University see EdiGene Therapeutics (Beijing) Inc.**  
(21) 2023202184

(71) Pfizer Inc.  
(21) 2023202234 (22) 12.04.2023  
(54) Antibodies specific for GUCY2c and uses thereof  
(62) 2019274655

**Pfizer Inc. see Sanford Burnham Prebys Medical Discovery Institute**  
(21) 2023202302

(71) Polster, L.S.  
(21) 2023202365 (22) 18.04.2023  
(54) METHODS AND SYSTEMS FOR HEAT TREATING A FOOD PRODUCT  
(62) 2021200842

(71) Polyplastic B.V.  
(21) 2023202278 (22) 13.04.2023  
(54) Panel device  
(31) 2031588 (32) 14.10.22 (33) NL

(71) Precision Biosciences, Inc.  
(21) 2023202022 (22) 03.04.2023  
(54) Engineered meganucleases with recognition sequences found in the human T cell receptor alpha constant region gene  
(62) 2020289750

(71) President and Fellows of Harvard College  
(21) 2023202363 (22) 18.04.2023  
(54) Multiplex RNA-guided genome engineering  
(62) 2021200288

(71) Presidio Medical, Inc.  
(21) 2023202319 (22) 14.04.2023  
(54) CHRONIC CARDIAC DYSFUNCTION PREVENTION  
(31) 63/331,157 (32) 14.04.22 (33) US

(71) Prothena Biosciences Limited  
(21) 2023202109 (22) 05.04.2023  
(54) Treatment and prophylaxis of amyloidosis  
(62) 2019240413

(71) Prysmian S.p.A.  
(21) 2023202332 (22) 17.04.2023  
(54) Data transmission cable  
(31) 102022000010544 (32) 20.05.22 (33) IT

(71) QINGDAO JKL PACKING CO., LTD  
(21) 2023202178 (22) 11.04.2023  
(54) FOLDED PACKAGING CONTAINER STRUCTURE, DEVICE AND PROCESS  
(31) 202210413662.6 (32) 10.04.22 (33) CN

(71) Qualcomm Incorporated  
(21) 2023202263 (22) 12.04.2023  
(54) VIRTUAL SEARCH SPACES FOR BEAM INDICATION  
(62) 2019222502

(71) Qualcomm Incorporated  
(21) 2023202344 (22) 17.04.2023  
(54) POSITION DEPENDENT INTRA PREDICTION COMBINATION EXTENDED WITH ANGULAR MODES  
(62) 2019249440

(71) Qualcomm Incorporated  
(21) 2023202430 (22) 20.04.2023  
(54) FACILITATING QUALITY OF SERVICE FLOW REMAPPING UTILIZING A SERVICE DATA ADAPTATION PROTOCOL LAYER  
(62) 2019252287

(71) Rani Therapeutics, LLC  
(21) 2023202150 (22) 06.04.2023

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<p>(54) Device, system and methods for the oral delivery of therapeutic compounds (62) 2020294353</p> <hr/> <p>(71) RASIC, L.M. (21) 2023202262 (22) 12.04.2023 (54) Container with Pouring Spout (31) 2022901263 (32) 12.05.22 (33) AU</p> <hr/> <p>(71) Raytheon Company (21) 2023202380 (22) 19.04.2023 (54) STRUCTURAL JOINT ISOLATOR WITH INTERNAL CAVITIES (31) 17/832,178 (32) 03.06.22 (33) US</p> <hr/> <p>(71) Rearden, LLC (21) 2023202310 (22) 14.04.2023 (54) SYSTEM AND METHOD FOR DISTRIBUTED INPUT DISTRIBUTED OUTPUT WIRELESS COMMUNICATIONS (62) 2022275407</p> <hr/> <p>(71) Regeneron Pharmaceuticals, Inc. (21) 2023201748 (22) 21.03.2023 (54) Anti-VEGF protein compositions and methods for producing the same (62) 2020398547</p> <hr/> <p>(71) Reid, A. (21) 2023202419 (22) 20.04.2023 (54) BEEHIVE MOISTURE MITIGATOR (31) 787562 (32) 26.04.22 (33) NZ</p> <hr/> <p>(71) ResMed Pty Ltd (21) 2023202124 (22) 05.04.2023 (54) HUMIDIFIER RESERVOIR (62) 2017363821</p> <hr/> <p>(71) ResMed Pty Ltd (21) 2023202241 (22) 12.04.2023 (54) HEADGEAR TUBING FOR A PATIENT INTERFACE (62) 2019426678</p> <hr/> <p>(71) REZICAST SOLUTIONS PTY LTD (21) 2023202437 (22) 20.04.2023 (54) A WALL SUPPORT SYSTEM AND METHOD FOR CONSTRUCTING MULTISTORY BUILDINGS</p> <hr/> <p>(71) ROBERT ALLAN LTD (21) 2023202325 (22) 17.04.2023 (54) SYSTEM AND METHOD FOR TUG-BOAT LINE TRANSFER (31) 63/349,938 (32) 07.06.22 (33) US</p> <hr/> <p>(71) Rolls-Royce plc (21) 2023202136 (22) 06.04.2023 (54) Loading parameters (31) 2205358.1 (32) 12.04.22 (33) GB</p>	<p>(71) Rolls-Royce plc (21) 2023202138 (22) 06.04.2023 (54) Fleet fuel allocation (31) 2205359.9 (32) 12.04.22 (33) GB</p> <hr/> <p>(71) Rolls-Royce plc (21) 2023202141 (22) 06.04.2023 (54) Fuel delivery (31) 2205354.0 (32) 12.04.22 (33) GB</p> <hr/> <p>(71) Rovi Guides, Inc. (21) 2023202191 (22) 11.04.2023 (54) Methods and systems for recommending to a first user media assets for inclusion in a playlist for a second user based on the second user's viewing activity (62) 2017280860</p> <hr/> <p>(71) Rovi Guides, Inc. (21) 2023202388 (22) 19.04.2023 (54) Methods and systems for managing content subscription data (62) 2021202157</p> <hr/> <p>(71) Royal Bank of Canada (21) 2023202352 (22) 17.04.2023 (54) Systems, methods, and devices for secure generation and processing of data sets representing pre-funded payments (62) 2017231106</p> <hr/> <p>(71) S. C. Johnson &amp; Son, Inc. (21) 2023202139 (22) 06.04.2023 (54) Insect trap device (62) 2020368900</p> <hr/> <p>(71) Sackstein, R. (21) 2023202338 (22) 17.04.2023 (54) Glycoengineering of E-selectin ligands (62) 2017268475</p> <hr/> <p>(71) SAGE PRODUCTS, LLC (21) 2023202391 (22) 19.04.2023 (54) Oral care system and packaging (62) 2019391124</p> <hr/> <p>(71) Salion GmbH (21) 2023202370 (22) 18.04.2023 (54) Kynurenine: useful biomarker in acute COVID-19 and long COVID (31) 22 169 087.8 (32) 20.04.22 (33) EP</p> <hr/> <p>(71) Samsung Electronics Co., Ltd. (21) 2023202253 (22) 12.04.2023 (54) Method and apparatus for transmitting and receiving reference signal in wireless communication system (62) 2018367796</p>	<p>(71) Sandon Global Engraving Technology Limited (21) 2023202140 (22) 06.04.2023 (54) LIGHTWEIGHT INTERCHANGEABLE MAGNETIC SLEEVE AND METHOD OF MANUFACTURE THEREOF (62) 2020371883</p> <hr/> <p>(71) Sanford Burnham Prebys Medical Discovery Institute; Pfizer Inc. (21) 2023202302 (22) 14.04.2023 (54) BTLA fusion protein agonists and uses thereof (62) 2021203768</p> <hr/> <p>(71) Schneider Electric Industries SAS (21) 2023202205 (22) 11.04.2023 (54) DUAL-POWER SWITCHING SYSTEM AND METHOD FOR OPERATING THE SAME (31) 202210373424.7 (32) 11.04.22 (33) CN</p> <hr/> <p>(71) Schneider Electric Industries SAS (21) 2023202207 (22) 11.04.2023 (54) RELAY MONITORING DEVICE, DUAL POWER SUPPLY SWITCHING CONTROL DEVICE AND RELAY MONITORING METHOD (31) 202210368320.7 (32) 08.04.22 (33) CN</p> <hr/> <p>(71) Schneider Electric Industries SAS (21) 2023202213 (22) 11.04.2023 (54) A SWITCHING SYSTEM (31) 202220814471.6 (32) 08.04.22 (33) CN</p> <hr/> <p>(71) Schneider Electric Industries SAS (21) 2023202215 (22) 11.04.2023 (54) ELECTRICAL SWITCH (31) 202210374173.4 (32) 11.04.22 (33) CN</p> <hr/> <p>(71) Schock GmbH (21) 2023202248 (22) 12.04.2023 (54) Casting mold for producing a casting having a front side and a rear side from a curable casting compound (31) 102022108881.2 (32) 12.04.22 (33) DE</p> <hr/> <p>(71) Schock GmbH (21) 2023202249 (22) 12.04.2023 (54) Casting mold for producing a casting having a front side and a rear side from a curable casting compound (31) 102022108882.0 (32) 12.04.22 (33) DE</p> <hr/> <p><b>SHAABAN, A.F. see THANDRA, V.</b> (21) 2023202118</p> <hr/> <p><b>SHAABAN, A.F. see THANDRA, V.</b> (21) 2023202144</p>
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(71) SHAABAN, A.F.; THANDRA, V.  
(21) 2023202185 (22) 11.04.2023  
(54) SYSTEM AND METHOD FOR AUTOMATED COLLECTIONS OF DEBTS FOR BUSINESSES  
(62) 2021201831

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(21) 2023202368

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(21) 2023202135

(71) Shandong Shouguang Vegetable Industry Group Co., Ltd.; Weifang University of Science and Technology; Shandong Colorful Manor Vegetable And Food Co., Ltd  
(21) 2023202135 (22) 06.04.2023  
(54) Method for growing tomato in field with returned straw  
(31) 2022114322630 (32) 16.11.22 (33) CN

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(21) 2023202160

(71) Shandong University of Science and Technology  
(21) 2023202275 (22) 13.04.2023  
(54) Reliability Experimental Device Based on Structural Dynamics

(71) Shanghai XCMG Intelligent Technology Co., Ltd; JiangSu XCMG Construction Machinery Research Institute Ltd.  
(21) 2023202322 (22) 14.04.2023  
(54) UNIVERSAL MODULAR LAMP STRUCTURE FOR ENGINEERING MACHINERY  
(31) 2023101148575 (32) 14.02.23 (33) CN

(71) Shearwater GeoServices Software Inc.  
(21) 2023202187 (22) 11.04.2023  
(54) USE NUOS TECHNOLOGY TO ACQUIRE OPTIMIZED 2D DATA  
(62) 2017354166

(71) Shionogi & Co., Ltd.  
(21) 2023202350 (22) 17.04.2023  
(54) Substituted polycyclic pyridone derivative and pharmaceutical composition containing prodrug thereof  
(62) 2017310774

(71) Skadia Technologies Pty Ltd  
(21) 2023202105 (22) 05.04.2023

(54) CONTROL SYSTEM AND BAIT CAPSULE FOR LONG LINE FISHING APPARATUS  
(31) 2022901012 (32) 14.04.22 (33) AU

(71) Slyp Pty Ltd  
(21) 2023202426 (22) 20.04.2023  
(54) A system for digital receipts enrolment and issuance  
(62) 2018282346

(71) Smardt Chiller Group Inc.  
(21) 2023202438 (22) 20.04.2023  
(54) Direct current chiller method and system  
(62) 2020208859

(71) Snap Inc.  
(21) 2023202397 (22) 19.04.2023  
(54) Interactive media system and method  
(62) 2021261875

(71) Snap-on Incorporated  
(21) 2023202113 (22) 05.04.2023  
(54) Pawl mechanism for ratchet tool  
(31) 17/720,918 (32) 14.04.22 (33) US

(71) Snap-on Incorporated  
(21) 2023202331 (22) 17.04.2023  
(54) Insert for a power tool housing  
(62) 2021203215

(71) Snap-on Incorporated  
(21) 2023202341 (22) 17.04.2023  
(54) Impact mechanism for a hammer tool  
(31) 17/725,922 (32) 21.04.22 (33) US

(71) SNIPR Technologies Limited  
(21) 2023202066 (22) 04.04.2023  
(54) Altering microbial populations & modifying microbiota  
(62) 2022202944

(71) Snosko Pty Ltd  
(21) 2023202279 (22) 13.04.2023  
(54) A DUAL WALLED TANK  
(31) 2022900989 (32) 13.04.22 (33) AU

(71) Somero Enterprises, Inc.  
(21) 2023202245 (22) 12.04.2023  
(54) Concrete screeding machine with column block control using gyroscope sensor  
(62) 2018390814

(71) South East Water Corporation  
(21) 2023202427 (22) 20.04.2023  
(54) Systems and computer implemented methods for monitoring an activity at one or more facilities  
(62) 2021202604

(71) Speedrack Co., Ltd.  
(21) 2023202206 (22) 11.04.2023  
(54) PREFABRICATED SHELF  
(31) 10-2022-0058370 (32) 12.05.22 (33) KR

(71) STATE GRID HENAN ELECTRIC POWER RESEARCH INSTITUTE; SHANDONG UNIVERSITY  
(21) 2023202160 (22) 06.04.2023  
(54) METHOD AND SYSTEM FOR DIAGNOSING RELIABILITY OF TULIP CONTACT HOLDING SPRING OF SWITCH CABINET  
(31) 2022109513021 (32) 09.08.22 (33) CN

(71) Steelcase Inc.  
(21) 2023202300 (22) 14.04.2023  
(54) Seating arrangement  
(62) 2021204268

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(21) 2023202216

(71) Sturm, P.; Mantha, P.  
(21) 2023202102 (22) 05.04.2023  
(54) BIOREACTOR GARDEN WASTEWATER TREATMENT SYSTEM  
(31) 63/330,629 (32) 13.04.22 (33) US  
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(71) St Vincent's Hospital Sydney Limited  
(21) 2023202203 (22) 11.04.2023  
(54) METHODS OF DETECTING LENTIVIRUS  
(62) 2017325110

(71) Sungrow Power Supply Co., Ltd.  
(21) 2023202335 (22) 17.04.2023  
(54) HiL testing platform for photovoltaic power station, and PPC performance testing method  
(31) 202210403201.0 (32) 18.04.22 (33) CN

(71) Sungrow Power Supply Co., Ltd.  
(21) 2023202394 (22) 19.04.2023  
(54) Method and apparatus for insulation monitoring, and system for generating electricity from renewable energy  
(31) 202210416082.2 (32) 20.04.22 (33) CN

(71) Sunovion Pharmaceuticals Inc.  
(21) 2023202174 (22) 11.04.2023  
(54) Salts, crystal forms, and production methods thereof  
(62) 2019222491

(71) SWIMC LLC  
(21) 2023202202 (22) 11.04.2023

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(54) Prep tool (62) 2021204724	(54) Creation of a virtual boundary for a robotic garden tool (31) 63/335,933 (32) 28.04.22 (33) US	THANDRA, V. see SHAABAN, A.F. (21) 2023202185
(71) Tan, W. (21) 2023202231 (22) 11.04.2023 (54) New use of R- salbutamol for treatment of inflammatory bowel disease and its extra intestinal manifestations (62) 2019336248	(71) Teclison Limited (21) 2023202294 (22) 13.04.2023 (54) Compositions and methods for immune-mediated cancer therapy (62) 2016342039	(71) THANDRA, V.; SHAABAN, A.F. (21) 2023202368 (22) 18.04.2023 (54) IMPROVED SYSTEM AND METHOD FOR BILLING (62) 2021201566
(71) Tan, W. (21) 2023202232 (22) 11.04.2023 (54) New use of R-terbutaline and R-bambuterol for treatment of inflammatory bowel disease and its extra intestinal manifestations (62) 2019336248	(71) Tencent America LLC (21) 2023202122 (22) 05.04.2023 (54) Signaling of reference picture resampling with constant window size indication in video bitstream (62) 2020351096	(71) The Boeing Company (21) 2023202199 (22) 11.04.2023 (54) No-back brake for a flight control actuation system and method (31) 18/064,347 (32) 12.12.22 (33) US 63/329,550 11.04.22 US
(71) Tan, W. (21) 2023202233 (22) 11.04.2023 (54) New use of R- clenbuterol for treatment of inflammatory bowel disease (62) 2019336248	(71) Tencent America LLC (21) 2023202244 (22) 12.04.2023 (54) Method for output layer set signaling in scalable video stream (62) 2020364313	(71) The Chinese University of Hong Kong (21) 2023202318 (22) 14.04.2023 (54) Enhancement of cancer screening using cell-free viral nucleic acids (62) 2018305609
(71) Techtronic Cordless GP (21) 2023202197 (22) 11.04.2023 (54) Chainsaw and lubrication system for chainsaw guide bar (31) 63/329,614 (32) 11.04.22 (33) US 63/415,761 13.10.22 US	(71) Tencent America LLC (21) 2023202301 (22) 14.04.2023 (54) MERGE LIST CONSTRUCTION IN TRIANGULAR PREDICTION (62) 2020238850	(71) The Heil Co. (21) 2023202339 (22) 17.04.2023 (54) Grabber for a front loader refuse vehicle (62) 2017203733
(71) Techtronic Cordless GP (21) 2023202270 (22) 12.04.2023 (54) Hand-held electric tool (31) 202210383385.9 (32) 12.04.22 (33) CN	(71) Tencent America LLC (21) 2023202396 (22) 19.04.2023 (54) METHOD AND APPARATUS FOR VIDEO CODING (62) 2020274313	(71) The Raymond Corporation (21) 2023202238 (22) 12.04.2023 (54) SYSTEMS AND METHODS FOR VEHICLE SIMULATION (62) 2017202194
(71) Techtronic Cordless GP (21) 2023202361 (22) 18.04.2023 (54) Garden tool power source compartment having drainage (31) 63/332,863 (32) 20.04.22 (33) US 63/374,178 31.08.22 US	(71) Tencent America LLC (21) 2023202413 (22) 19.04.2023 (54) Signaling of inter layer prediction in video bitstream (62) 2020351200	(71) The Regents of The University of California (21) 2023202195 (22) 11.04.2023 (54) Methods of generating T-cells from stem cells and immunotherapeutic methods using the T-cells (62) 2016343682
(71) Techtronic Cordless GP (21) 2023202377 (22) 18.04.2023 (54) Robotic tool and charging station (31) 63/333,865 (32) 22.04.22 (33) US	(71) Terra Quantum AG (21) 2023202193 (22) 11.04.2023 (54) CONTACT LAYER FOR LAYERED MATERIALS (31) 22170076.8 (32) 26.04.22 (33) EP	The Sydney Children's Hospitals Network (Randwick and Westmead) see Cambridge Enterprise Limited (21) 2023202099
(71) Techtronic Cordless GP (21) 2023202378 (22) 18.04.2023 (54) Robotic tool and charging station (31) 63/333,384 (32) 21.04.22 (33) US	(71) THANDRA, V.; SHAABAN, A.F. (21) 2023202118 (22) 05.04.2023 (54) IMPROVED SYSTEM AND METHOD FOR TIMEKEEPING ENTRY AND WORK IN PROGRESS REPORTS (62) 2021202047	(71) Thomson Reuters Global Resources Unlimited Company (21) 2023202158 (22) 06.04.2023 (54) METHOD AND SYSTEM FOR INTEGRATED PROFESSIONAL CONTINUING EDUCATION (62) 2021200244
(71) Techtronic Cordless GP (21) 2023202439 (22) 20.04.2023 (54) Power lopper attachment (31) 63/334,339 (32) 25.04.22 (33) US	(71) THANDRA, V.; SHAABAN, A.F. (21) 2023202144 (22) 06.04.2023 (54) IMPROVED CLIENT ENTRY AND MAINTENANCE SYSTEM FOR TIMEKEEPING AND BILLING FOR PROFESSIONAL SERVICES SYSTEM AND METHOD (62) 2021201324	Toyota Jidosha Kabushiki Kaisha see Komatsu Ltd. (21) 2023202343
(71) Techtronic Cordless GP (21) 2023202440 (22) 20.04.2023		

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(21) 2023202351

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(21) 2023202373

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(21) 2023202425

(71) Transportation IP Holdings, LLC  
(21) 2023202130 (22) 06.04.2023  
(54) SENSOR ASSEMBLY, DRYER, AND VEHICLE CONTROL SYSTEM USING THE SAME  
(62) 2022200979

(71) Transportation IP Holdings, LLC  
(21) 2023202137 (22) 06.04.2023  
(54) SYSTEMS AND METHODS FOR CONTROLLING VEHICLE BRAKE SYSTEM COMPRESSORS  
(31) 63/363,155 (32) 18.04.22 (33) US  
18/194,798 03.04.23 US

(71) Transportation IP Holdings, LLC  
(21) 2023202446 (22) 21.04.2023  
(54) SHIFT DETECTION SYSTEM AND METHOD FOR A POWER SUPPLY SYSTEM  
(31) 18/297,834 (32) 10.04.23 (33) US  
63/363,594 26.04.22 US

(71) Tricida, Inc.  
(21) 2023202111 (22) 05.04.2023  
(54) Compositions for and method of treating acid-base disorders  
(62) 2017261337

(71) Trustees of Boston University  
(21) 2023202436 (22) 20.04.2023  
(54) ANTI-DESPR MONOCLONAL ANTIBODY TARGETED THERAPY AND IMAGING FOR CANCER AND STROKE  
(62) 2016311265

(71) TStreet Pty Limited  
(21) 2023202183 (22) 11.04.2023  
(54) Translation system  
(31) 2022900975 (32) 12.04.22 (33) AU

(71) Unigen, Inc.  
(21) 2023202242 (22) 12.04.2023  
(54) Series of skin-whitening (lightening) compounds  
(62) 2021202804

(71) UNIVERSAL POLYMERS PTY LTD  
(21) 2023202454 (22) 21.04.2023  
(54) Improved termiticide formulation and use with active termite infestations  
(31) 2022901053 (32) 21.04.22 (33) AU

(71) UNIVERSITE DE MONTPELLIER; ABIVAX; CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE; INSTITUT CURIE  
(21) 2023202386 (22) 19.04.2023  
(54) QUINOLINE DERIVATIVES FOR THE TREATMENT OF INFLAMMATORY DISEASES  
(62) 2021201960

(71) University of Utah Research Foundation  
(21) 2023202236 (22) 12.04.2023  
(54) Cross-linking agents and associated methods  
(62) 2016396661

(71) University of Washington Through its Center for Commercialization; Illumina, Inc.  
(21) 2023202390 (22) 19.04.2023  
(54) Selective modification of polymer subunits to improve nanopore-based analysis  
(62) 2020277162

(71) UPL Ltd  
(21) 2023202146 (22) 06.04.2023  
(54) NOVEL COMBINATIONS OF DEFOLIANTS  
(62) 2018367916

(71) Vanderbilt University  
(21) 2023202435 (22) 20.04.2023  
(54) Systems and methods for treating sleep disordered breathing  
(62) 2020233880

(71) Vid Scale, Inc.  
(21) 2023202182 (22) 11.04.2023  
(54) Methods and apparatus for reducing the coding latency of decoder-side motion refinement  
(62) 2019295574

(71) Viking Therapeutics, Inc.  
(21) 2023202321 (22) 14.04.2023  
(54) Compositions and methods for modulating hair growth  
(62) 2017252122

(71) VLI CONVEYORS PTY LIMITED  
(21) 2023202405 (22) 19.04.2023  
(54) Stub Shaft for a Roller, an End Housing, a Roller Assembly and an Associated Method for forming a Roller  
(62) 2017200983

(71) VMware, Inc.  
(21) 2023202371 (22) 18.04.2023  
(54) Policy constraint framework for an SDDC  
(62) 2019287434

(71) Vorwerk & Co. Interholding GmbH  
(21) 2023202117 (22) 05.04.2023  
(54) Food processor and extractor module  
(31) 22168940.9 (32) 20.04.22 (33) EP

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(21) 2023202323

(71) Ward, A.; Combe, T.; Ward, A.  
(21) 2023202323 (22) 16.04.2023  
(54) Detachable handrail device for toddlers and children as passengers on stand up paddleboards.

(71) Watgrid, S.A.  
(21) 2023202268 (22) 12.04.2023  
(54) MONITORING SYSTEM FOR WINE-MAKING  
(62) 2019383774

(71) Wayne Fueling Systems LLC  
(21) 2023202227 (22) 11.04.2023  
(54) Management of fuel dispenser media  
(62) 2017261795

(71) Weatherford Technology Holdings, LLC  
(21) 2023202401 (22) 19.04.2023  
(54) SECTION MILL AND METHOD FOR ABANDONING A WELLBORE  
(62) 2021218198

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(21) 2023202135

(71) Werner, M.; Iwanoff, A.; Borchers, T.  
(21) 2023202297 (22) 14.04.2023  
(54) ENERGY STORAGE AND RECOVERY IN UNDERGROUND SALT CAVERNS

(71) Werner Co.  
(21) 2023202287 (22) 13.04.2023  
(54) Climbing Product Having an Extendable Section Lock Assembly, and Methods for Using and Producing a Climbing Product  
(62) 2021209236

(71) Werner Co.  
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(54) Climbing Product Having an Extendable Section Lock Assembly, and Meth-

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**(62)** 2021209237

**(71)** WINBO-Dongjian Automotive Technology Co., Ltd.

**(21)** 2023202225 **(22)** 11.04.2023

**(54)** NUT AND LEAD SCREW TYPE OPENING AND CLOSING MECHANISM FOR AUTOMATIC DOOR, AUTOMATIC VEHICLE DOOR, AND VEHICLE

**(62)** 2019394054

**(71)** Wise, A.

**(21)** 2023202416 **(22)** 19.04.2023

**(54)** Powered bracelet links

**(71)** WiseTech Global Limited

**(21)** 2023202360 **(22)** 18.04.2023

**(54)** Detecting Inaccuracies in Carrier Location Data of a Vessel

**(71)** Wonderland Switzerland AG

**(21)** 2023202404 **(22)** 19.04.2023

**(54)** CHILD SAFETY SEAT

**(31)** 202210470360.2 **(32)** 28.04.22 **(33)** CN

**(71)** X-CEN-TEK GmbH & Co. KG

**(21)** 2023202366 **(22)** 18.04.2023

**(54)** DOUBLE ZIPPER ASSEMBLY

**(31)** 20 2022 102 075.2 **(32)** 19.04.22 **(33)** DE

**(71)** X Development LLC

**(21)** 2023202104 **(22)** 05.04.2023

**(54)** System and methods for utilizing predictions of future real-world events to generate actionable decisions

**(31)** 63/331,456 **(32)** 15.04.22 **(33)** US

**(71)** X Development LLC

**(21)** 2023202393 **(22)** 19.04.2023

**(54)** Quantum repeater from quantum analog-digital interconverter

**(62)** 2020357189

**(71)** Yakima Australia Pty Limited

**(21)** 2023202382 **(22)** 19.04.2023

**(54)** Truck-Mountable Cargo Rack

**(62)** 2019203756

**(71)** Yako Electrics

**(21)** 2023202127 **(22)** 06.04.2023

**(54)** Electrical wall plate with inbuilt charging cable

**(31)** 2022903542 **(32)** 22.11.22 **(33)** AU

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

**(21)** 2023202291 **(22)** 13.04.2023

**(54)** SOLAR CELL, METHOD FOR PREPARING SAME, AND PHOTOVOLTAIC MODULE

**(31)** 202211569073.3 **(32)** 07.12.22 **(33)** CN

**(71)** Zhejiang Orient Gene Biotech Co., Ltd

**(21)** 2023202383 **(22)** 19.04.2023

**(54)** TEST DEVICE FOR DETECTING ANALYTE IN LIQUID SAMPLE

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**(21)** 2023202258



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<b>2023201922</b>	Hanwha Corporation	<b>2023202160</b>	STATE GRID HENAN ELECTRIC POWER RESEARCH INSTITUTE; SHANDONG UNIVERSITY
<b>2023202022</b>	Precision Biosciences, Inc.	<b>2023202161</b>	CloudBlue LLC
<b>2023202066</b>	SNIPR Technologies Limited	<b>2023202162</b>	Caravel Therapeutics, Inc.
<b>2023202099</b>	Cambridge Enterprise Limited; The Sydney Children's Hospitals Network (Randwick and Westmead)	<b>2023202163</b>	Framy Inc.
<b>2023202102</b>	Sturm, P.; Mantha, P.	<b>2023202165</b>	Crossford International LLC
<b>2023202103</b>	Milton Roy, LLC	<b>2023202166</b>	Crossford International LLC
<b>2023202104</b>	X Development LLC	<b>2023202167</b>	Crossford International LLC
<b>2023202105</b>	Skadia Technologies Pty Ltd	<b>2023202168</b>	Crossford International LLC
<b>2023202107</b>	ModernaTX, Inc.	<b>2023202169</b>	Aristocrat Technologies Australia Pty Limited
<b>2023202108</b>	Inovio Pharmaceuticals, Inc.	<b>2023202170</b>	Cooke, K.
<b>2023202109</b>	Prothena Biosciences Limited	<b>2023202171</b>	Framy Inc.
<b>2023202110</b>	AMVAC Hong Kong Limited	<b>2023202172</b>	Framy Inc.
<b>2023202111</b>	Tricida, Inc.	<b>2023202173</b>	Haleem, S.
<b>2023202112</b>	Dexcom, Inc.	<b>2023202174</b>	Sunovion Pharmaceuticals Inc.
<b>2023202113</b>	Snap-on Incorporated	<b>2023202175</b>	Hexamer Therapeutics, Inc.
<b>2023202114</b>	Nexus Spine, LLC	<b>2023202176</b>	Bard Peripheral Vascular, Inc.
<b>2023202115</b>	Merit Medical Systems, Inc.	<b>2023202178</b>	QINGDAO JKL PACKING CO., LTD
<b>2023202116</b>	EVOLVED BY NATURE, INC.	<b>2023202180</b>	Ojai Energetics PBC
<b>2023202117</b>	Vorwerk & Co. Interholding GmbH	<b>2023202182</b>	Vid Scale, Inc.
<b>2023202118</b>	THANDRA, V.; SHAABAN, A.F.	<b>2023202183</b>	TStreet Pty Limited
<b>2023202119</b>	Aristocrat Technologies Australia Pty Limited	<b>2023202184</b>	EdiGene Therapeutics (Beijing) Inc.; Peking University
<b>2023202120</b>	CloudBlue LLC	<b>2023202185</b>	SHAABAN, A.F.; THANDRA, V.
<b>2023202121</b>	Intrabio Limited	<b>2023202186</b>	Nuheara IP Pty Ltd
<b>2023202122</b>	Tencent America LLC	<b>2023202187</b>	Shearwater GeoServices Software Inc.
<b>2023202123</b>	JANG, S.H.	<b>2023202188</b>	Air Products and Chemicals, Inc.
<b>2023202124</b>	ResMed Pty Ltd	<b>2023202189</b>	Match Group, LLC
<b>2023202125</b>	Goldfinch Bio, Inc.	<b>2023202190</b>	Angel Group Co., Ltd.
<b>2023202126</b>	Goetsch, D.	<b>2023202191</b>	Rovi Guides, Inc.
<b>2023202127</b>	Yako Electrics	<b>2023202192</b>	Inspired Living Developments Pty Ltd
<b>2023202128</b>	IGT	<b>2023202193</b>	Terra Quantum AG
<b>2023202129</b>	IGT	<b>2023202194</b>	Boston Scientific Scimed, Inc.
<b>2023202130</b>	Transportation IP Holdings, LLC	<b>2023202195</b>	The Regents of The University of California
<b>2023202131</b>	Fisher & Paykel Healthcare Limited	<b>2023202196</b>	MAX CO., LTD.
<b>2023202132</b>	Molecular Templates, Inc.	<b>2023202197</b>	Techtron Cordless GP
<b>2023202133</b>	Netflix, Inc.	<b>2023202198</b>	Garock Pty Ltd
<b>2023202134</b>	Deere & Company	<b>2023202199</b>	The Boeing Company
<b>2023202135</b>	Shandong Shouguang Vegetable Industry Group Co., Ltd.; Weifang University of Science and Technology; Shandong Colorful Manor Vegetable And Food Co., Ltd	<b>2023202200</b>	Beijing Tusen Zhitu Technology Co., Ltd.
<b>2023202136</b>	Rolls-Royce plc	<b>2023202201</b>	Lonman Auto Accessories Co., Ltd
<b>2023202137</b>	Transportation IP Holdings, LLC	<b>2023202202</b>	SWIMC LLC
<b>2023202138</b>	Rolls-Royce plc	<b>2023202203</b>	St Vincent's Hospital Sydney Limited
<b>2023202139</b>	S. C. Johnson & Son, Inc.	<b>2023202204</b>	Intuit Inc.
<b>2023202140</b>	Sandon Global Engraving Technology Limited	<b>2023202205</b>	Schneider Electric Industries SAS
<b>2023202141</b>	Rolls-Royce plc	<b>2023202206</b>	Speedrack Co., Ltd.
<b>2023202142</b>	Mastix, LLC	<b>2023202207</b>	Schneider Electric Industries SAS
<b>2023202143</b>	Lion Group, Inc.	<b>2023202208</b>	Almag S.p.A.
<b>2023202144</b>	THANDRA, V.; SHAABAN, A.F.	<b>2023202209</b>	Malema Engineering Corporation
<b>2023202145</b>	Nilo Limited	<b>2023202210</b>	MAX CO., LTD.
<b>2023202146</b>	UPL Ltd	<b>2023202211</b>	Angel Group Co., Ltd.
<b>2023202147</b>	New York Air Brake, LLC	<b>2023202212</b>	Koninklijke Philips N.V.
<b>2023202148</b>	Global Tel*Link Corporation	<b>2023202213</b>	Schneider Electric Industries SAS
<b>2023202149</b>	INX Software Pty Ltd	<b>2023202214</b>	Google LLC
<b>2023202150</b>	Rani Therapeutics, LLC	<b>2023202215</b>	Schneider Electric Industries SAS
<b>2023202151</b>	Dizal (Jiangsu) Pharmaceutical Co., Ltd.	<b>2023202216</b>	Cold Spring Harbor Laboratory; Stoke Therapeutics, Inc.
<b>2023202152</b>	ENDACE TECHNOLOGY LIMITED	<b>2023202217</b>	Cue Vapor Limited
<b>2023202153</b>	Motion Metrics International Corp.	<b>2023202218</b>	Bioverativ Therapeutics Inc.
<b>2023202154</b>	Glass Expansion Pty. Limited	<b>2023202219</b>	JUN, H.; JUN, J.
<b>2023202155</b>	Kode Biotech Limited	<b>2023202220</b>	Global Payment Technologies Australia
<b>2023202156</b>	Efficient Lighting Systems Pty Ltd	<b>2023202221</b>	ImmunoGen, Inc.
<b>2023202157</b>	Libertas Bio, Inc.	<b>2023202222</b>	Lion (Aust) Consolidated Pty. Ltd.
		<b>2023202223</b>	LG Electronics Inc.
		<b>2023202224</b>	Jonquil Consulting Inc.
		<b>2023202225</b>	WINBO-Dongjian Automotive Technology Co., Ltd.
		<b>2023202226</b>	Joy Global Underground Mining LLC

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2023202227	Wayne Fueling Systems LLC	2023202296	Magnet Forensics Inc.
2023202228	Joy Global Underground Mining LLC	2023202297	Werner, M.; Iwanoff, A.; Borchers, T.
2023202229	Ideate Developments Pty Ltd	2023202298	Aristocrat Technologies Australia Pty Limited
2023202230	Kim, H.	2023202299	Aristocrat Technologies Australia Pty Limited
2023202231	Tan, W.	2023202300	Steelcase Inc.
2023202232	Tan, W.	2023202301	Tencent America LLC
2023202233	Tan, W.	2023202302	Sanford Burnham Prebys Medical Discovery Institute; Pfizer Inc.
2023202234	Pfizer Inc.	2023202303	L'Air Liquide, Société Anonyme pour l'Etude et l'Exploitation des Procédés Georges Claude
2023202235	Dexcom, Inc.	2023202304	EFTsure Pty Ltd
2023202236	University of Utah Research Foundation	2023202305	Abiomed, Inc.
2023202237	Nicoventures Trading Limited	2023202306	Bullfrog International, LC.
2023202238	The Raymond Corporation	2023202307	DRAEGER SAFETY AG & CO. KGAA
2023202239	Illinois Tool Works Inc.	2023202308	Kite Pharma, Inc.
2023202240	Angel Group Co., Ltd.	2023202309	CSR Building Products Limited
2023202241	ResMed Pty Ltd	2023202310	Rearden, LLC
2023202242	Unigen, Inc.	2023202311	Indian Oil Corporation Limited
2023202243	Amgen Inc.	2023202312	Canon Kabushiki Kaisha
2023202244	Tencent America LLC	2023202313	Life Technologies Corporation
2023202245	Somero Enterprises, Inc.	2023202314	Hycroft Mining Holding Corporation
2023202246	E. Mishan & Sons, Inc.	2023202315	Canon Kabushiki Kaisha
2023202247	Idemia Identity & Security France	2023202316	Asahi Kasei Kabushiki Kaisha
2023202248	Schock GmbH	2023202317	B. Braun Melsungen AG
2023202249	Schock GmbH	2023202318	The Chinese University of Hong Kong
2023202250	LOAM BIO PTY LTD	2023202319	Presidio Medical, Inc.
2023202251	Industriale Chimica S.r.l.	2023202320	2B1K Imports Pty Ltd
2023202252	LG Electronics Inc.	2023202321	Viking Therapeutics, Inc.
2023202253	Samsung Electronics Co., Ltd.	2023202322	Shanghai XCMG Intelligent Technology Co., Ltd; Ji-angSu XCMG Construction Machinery Research Institute Ltd.
2023202254	ExxonMobil Upstream Research Company (EM-HC-N1-4A-607)	2023202323	Ward, A.; Combe, T.; Ward, A.
2023202255	F. Hoffmann-La Roche AG	2023202324	CHINA UNIVERSITY OF MINING AND TECHNOLOGY
2023202256	CROWN EQUIPMENT CORPORATION	2023202325	ROBERT ALLAN LTD
2023202257	Google LLC	2023202326	HANGZHOU NORMAL UNIVERSITY QIANJIANG COLLEGE
2023202258	Kunming Tekang Technology Co., Ltd; Zhejiang Yunjie Technology Co., Ltd.	2023202330	Lash Goggles
2023202259	Advance International Inc.	2023202331	Snap-on Incorporated
2023202260	Google LLC	2023202332	Prysman S.p.A.
2023202261	Getac Technology Corporation	2023202333	Gen-Probe Incorporated
2023202262	RASIC, L.M.	2023202334	Carbon Technology Holdings, LLC
2023202263	Qualcomm Incorporated	2023202335	Sungrow Power Supply Co., Ltd.
2023202264	Huawei Technologies Co., Ltd.	2023202336	OnPoint Vision, Inc.
2023202265	Dansons US, LLC	2023202337	Agenus Inc.
2023202266	Hytech Power, Inc.	2023202338	Sackstein, R.
2023202267	Bayer Healthcare LLC	2023202339	The Heil Co.
2023202268	Watgrid, S.A.	2023202340	GEN-PROBE INCORPORATED
2023202269	Paragon 28, Inc.	2023202341	Snap-on Incorporated
2023202270	Techtronic Cordless GP	2023202342	Novobiotic Pharmaceuticals, LLC
2023202271	Donald Danforth Plant Science Center	2023202343	Komatsu Ltd.; Toyota Jidosha Kabushiki Kaisha
2023202272	Centre for Development of Advanced Computing; National Institute of Technology Calicut	2023202344	Qualcomm Incorporated
2023202273	Blue River Technology Inc.	2023202345	ConMed Corporation
2023202274	HemoCept Inc.	2023202346	Beijing Baidu Netcom Science Technology Co., Ltd.
2023202275	Shandong University of Science and Technology	2023202347	Butlr Technologies Inc.
2023202276	Bedgear, LLC	2023202348	Gen-Probe Incorporated
2023202277	Adverum Biotechnologies, Inc.	2023202349	iSOL8 Pty Ltd
2023202278	Polyplastic B.V.	2023202350	Shionogi & Co., Ltd.
2023202279	Snosko Pty Ltd	2023202351	Komatsu Ltd.; Toyota Jidosha Kabushiki Kaisha
2023202280	Bank of Hangzhou Consumer Finance Co., Ltd.	2023202352	Royal Bank of Canada
2023202281	Burkardt, F.	2023202353	GALE, A.
2023202282	Epic Sciences, Inc.	2023202354	Fisher & Paykel Healthcare Limited
2023202283	Amicrobe, Inc.	2023202355	Aristocrat Technologies, Inc.
2023202284	Bank of Hangzhou Consumer Finance Co., Ltd.	2023202356	LTH HOLDINGS PTY LTD
2023202285	Angel Group Co., Ltd.	2023202357	Fasteners for Retail, Inc.
2023202286	Angel Group Co., Ltd.	2023202358	Eisai R&D Management Co., Ltd.
2023202287	Werner Co.	2023202359	Beijing Wenhaiyang Industry Trading Co., Ltd; CRAY-OLA LLC
2023202288	Werner Co.	2023202360	WiseTech Global Limited
2023202289	4D Molecular Therapeutics Inc.	2023202361	Techtronic Cordless GP
2023202290	Ohuku LLC	2023202362	Inertech IP LLC
2023202291	Zhejiang Jinko Solar Co., Ltd.; Jinko Solar Co., Ltd.	2023202363	President and Fellows of Harvard College
2023202292	Aristocrat Technologies, Inc.	2023202364	Gilead Sciences, Inc.
2023202293	Biogen Inc.		
2023202294	Teclison Limited		
2023202295	Britax Child Safety, Inc.		

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2023202365	Polster, L.S.	2023202432	Apple Inc.
2023202366	X-CEN-TEK GmbH & Co. KG	2023202433	AJN Concepts Pty Ltd
2023202367	Lien, I.S.	2023202434	Boyle, P.
2023202368	THANDRA, V.; SHAABAN, A.F.	2023202435	Vanderbilt University
2023202369	BOWLEY, C.	2023202436	Trustees of Boston University
2023202370	Salion GmbH	2023202437	REZICAST SOLUTIONS PTY LTD
2023202371	VMware, Inc.	2023202438	Smardt Chiller Group Inc.
2023202372	Bruin Biometrics LLC	2023202439	Techtronic Cordless GP
2023202373	Komatsu Ltd.; Toyota Jidosha Kabushiki Kaisha	2023202440	Techtronic Cordless GP
2023202374	LG Electronics Inc.	2023202441	Cactus Wellhead, LLC
2023202375	LG Electronics Inc.	2023202442	Allan, O.
2023202376	CFPH, LLC	2023202443	Epitech Group S.p.A.
2023202377	Techtronic Cordless GP	2023202444	GHD, Inc.
2023202378	Techtronic Cordless GP	2023202445	Heraeus Deutschland GmbH & Co. KG
2023202379	Beijing Baidu Netcom Science Technology Co., Ltd.	2023202446	Transportation IP Holdings, LLC
2023202380	Raytheon Company	2023202447	Anglo American Technical & Sustainability Services Ltd
2023202381	Global Specimen Solutions, Inc.	2023202448	Legochem Biosciences, Inc.; NovImmune, SA
2023202382	Yakima Australia Pty Limited	2023202449	Heraeus Medical GmbH
2023202383	Zhejiang Orient Gene Biotech Co., Ltd	2023202450	Giant Manufacturing Co., Ltd.
2023202384	FUJIFILM Business Innovation Corp.	2023202451	Gen-Probe Incorporated
2023202385	FISHER & PAYKEL HEALTHCARE LIMITED	2023202452	Giant Manufacturing Co., Ltd.
2023202386	UNIVERSITE DE MONTPELLIER; ABIVAX; CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE; INSTITUT CURIE	2023202453	NuVasive, Inc.
2023202387	H-TEC Systems GmbH	2023202454	UNIVERSAL POLYMERS PTY LTD
2023202388	Rovi Guides, Inc.	2023202455	NOKE LIMITED
2023202389	Blaze Bioscience, Inc.		
2023202390	University of Washington Through its Center for Commercialization; Illumina, Inc.		
2023202391	SAGE PRODUCTS, LLC		
2023202392	Exact Sciences Corporation		
2023202393	X Development LLC		
2023202394	Sungrow Power Supply Co., Ltd.		
2023202395	GREEN SPORTS, INC.		
2023202396	Tencent America LLC		
2023202397	Snap Inc.		
2023202398	Manuka Health New Zealand Limited		
2023202399	Institute of Cash Crops, Xinjiang Academy of Agricultural Sciences; Awati Xinya Cotton Industry Co., Ltd.		
2023202400	Dolby Laboratories Licensing Corporation; Dolby International AB		
2023202401	Weatherford Technology Holdings, LLC		
2023202402	Ascendis Pharma Bone Diseases A/S		
2023202403	Asahi Kasei Kabushiki Kaisha		
2023202404	Wonderland Switzerland AG		
2023202405	VLI CONVEYORS PTY LIMITED		
2023202406	Effusiontech IP Pty Ltd		
2023202407	CATERPILLAR INC.		
2023202408	Kelvin Lighting Pty Ltd		
2023202409	CATERPILLAR INC.		
2023202410	HONEYWELL INTERNATIONAL INC.		
2023202411	HONEYWELL INTERNATIONAL INC.		
2023202412	BASF SE		
2023202413	Tencent America LLC		
2023202414	Fisher and Paykel Healthcare Limited		
2023202415	Intellijoint Surgical Inc.		
2023202416	Wise, A.		
2023202418	Cripps Clark, J.		
2023202419	Reid, A.		
2023202420	Aegis Therapeutics, LLC; Opiant Pharmaceuticals, Inc.		
2023202421	CHRYSO		
2023202422	Dama Manufacturing Ltd		
2023202423	Gritstone bio, Inc.		
2023202424	Ford Global Technologies, LLC		
2023202425	Komatsu Ltd.; Toyota Jidosha Kabushiki Kaisha		
2023202426	Slyp Pty Ltd		
2023202427	South East Water Corporation		
2023202428	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.		
2023202429	Canva Pty Ltd		
2023202430	Qualcomm Incorporated		
2023202431	Apple Inc.		

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

Applications listed below were processed through the Patent Office Canberra during the period ending 18 Apr 2023 .  
(This list may contain multiple listings of a patent application where there are multiple applicants for that patent.)

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**(71)** SJC IP Holdings Pty Ltd  
**(21)** 2023100034      **(22)** 18.04.2023  
**(54)** ELASTOMERIC HOLDER  
**(62)** 2022201662

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**(71)** Slyp Pty Ltd  
**(21)** 2023100036      **(22)** 20.04.2023  
**(54)** A system for digital receipts enrolment  
and issuance  
**(62)** 2018282346

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**(71)** Vidi Pty Ltd  
**(21)** 2023100035      **(22)** 19.04.2023  
**(54)** AN OPTICAL MEASURING AND  
SCANNING SYSTEM AND METHODS  
OF USE  
**(62)** 2022200703

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**2023100034** SJC IP Holdings Pty Ltd  
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**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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**2003**

2003203674 ( 14 )    2003203685 ( 14 )    2003203686 ( 14 )  
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**2010**

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 2012318417 ( 14 )    2012319495 ( 14 )    2012320098 ( 14 )  
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**2014**

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**2015**

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 2015201492 ( 14 )    2015203835 ( 14 )    2015328397 ( 14 )  
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 2016335070 ( 14 )    2016335731 ( 14 )    2016336133 ( 14 )  
 2016336147 ( 14 )    2016336361 ( 14 )    2016336426 ( 14 )  
 2016338642 ( 14 )    2016343682 ( 5C )    2016370653 ( 5C )

**2017**

2017100466 ( 22E )    2017101313 ( 22 )    2017101349 ( 22E )  
 2017201335 ( 5C )    2017204150 ( 5C )    2017214586 ( 5C )  
 2017239560 ( 14 )    2017250188 ( 5C )    2017261337 ( 5C )  
 2017261684 ( 5C )    2017261910 ( 5C )    2017262755 ( 5C )  
 2017276159 ( 14 )    2017276808 ( 5C )    2017277132 ( 5C )  
 2017280860 ( 5C )    2017281237 ( 5C )    2017283569 ( 5C )

2017286813 ( 5C ) 2017304376 ( 5C ) 2017338675 ( 4D )  
 2017338680 ( 4C ) 2017338869 ( 4C ) 2017339091 ( 4C )  
 2017339246 ( 14 ) 2017339247 ( 14 ) 2017340073 ( 4C )  
 2017340652 ( 4C ) 2017340656 ( 14 ) 2017342354 ( 5C )  
 2017353846 ( 5C ) 2017386690 ( 5C )

**2018**

2018101488 ( 22E ) 2018205528 ( 5C ) 2018236049 ( 5C )  
 2018239353 ( 25D ) 2018241149 ( 4A ) 2018241160 ( 4B )  
 2018241161 ( 4B ) 2018244601 ( 5C ) 2018263195 ( 13D )  
 2018265526 ( 5C ) 2018285474 ( 14 ) 2018289434 ( 5C )  
 2018308370 ( 5C ) 2018334290 ( 5C ) 2018346119 ( 4C )  
 2018346586 ( 4C ) 2018346620 ( 4C ) 2018354748 ( 4B )  
 2018392046 ( 14 ) 2018408417 ( 5C ) 2018422296 ( 1B )  
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 2018422466 ( 1B ) 2018422691 ( 1B )

**2019**

2019202373 ( 1B ) 2019202984 ( 1B ) 2019202990 ( 1B )  
 2019203001 ( 1B ) 2019203156 ( 1B ) 2019203207 ( 1B )  
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 2019203289 ( 1B ) 2019203336 ( 5C ) 2019203532 ( 14 )  
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 2019288555 ( 5C ) 2019337668 ( 5C ) 2019342486 ( 5C )  
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 2019380871 ( 5C ) 2019381573 ( 5C ) 2019383298 ( 5C )  
 2019394054 ( 5C ) 2019403474 ( 5C ) 2019416199 ( 5C )  
 2019417318 ( 5C ) 2019424510 ( 5C ) 2019449460 ( 5C )  
 2019459210 ( 5C )

**2020**

2020102592 ( 22E ) 2020102593 ( 22E ) 2020102595 ( 22E )  
 2020102599 ( 22E ) 2020102601 ( 22E ) 2020102606 ( 22E )  
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 2020102614 ( 22E ) 2020102615 ( 22E ) 2020102616 ( 22E )  
 2020102617 ( 22E ) 2020102618 ( 22E ) 2020201929 ( 25D )  
 2020221196 ( 5C ) 2020245366 ( 5C ) 2020250219 ( 5C )  
 2020281151 ( 14 ) 2020286244 ( 14 ) 2020294338 ( 5C )  
 2020413969 ( 5C )

**2021**

2021200152 ( 5C ) 2021200160 ( 5C ) 2021200166 ( 5C )  
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 2021200289 ( 5C ) 2021200436 ( 5C ) 2021200454 ( 5C )  
 2021200493 ( 5C ) 2021200623 ( 5C ) 2021200910 ( 5C )  
 2021201009 ( 5C ) 2021201066 ( 5C ) 2021201312 ( 5C )  
 2021201324 ( 5C ) 2021201416 ( 5C ) 2021201657 ( 5C )  
 2021201781 ( 5C ) 2021201831 ( 5C ) 2021202047 ( 5C )  
 2021202066 ( 5C ) 2021202097 ( 5C ) 2021202169 ( 5C )  
 2021202290 ( 5C ) 2021202316 ( 5C ) 2021202381 ( 5C )  
 2021202411 ( 5C ) 2021202420 ( 5C ) 2021202483 ( 5C )  
 2021202529 ( 5C ) 2021202693 ( 5C ) 2021203871 ( 5C )  
 2021204554 ( 5C ) 2021204789 ( 5C ) 2021209200 ( 5C )  
 2021225331 ( 25D ) 2021245216 ( 4C ) 2021258019 ( 5C )  
 2021277709 ( 12AN ) 2021353923 ( 12A )

**2022**

2022200868 ( 5CN ) 2022201379 ( 5C ) 2022202553 ( 12CN )  
 2022901059 ( 12AN )

**2023**

2023200308 ( 1B ) 2023200352 ( 1B ) 2023200395 ( 1B )  
 2023200423 ( 1B ) 2023200499 ( 7AN ) 2023901062 ( 12AN )

**Assignments before Grant, Section 113**

**2018**

2018264756 thyssenkrupp AG; thyssenkrupp Industrial Solutions AG The application has been assigned to **FLSmith A/S**

**2019**

2019258600 Hazardtech Pty Ltd The application has been assigned to **ACUSENSUS IP PTY LTD**

2019268742 OurIP Pty Ltd The application has been assigned to **Fore Holdings Pty Ltd**

2019271418 OurIP Pty Ltd The application has been assigned to **Fore Holdings Pty Ltd**

2019310577 ZATA Pharmaceuticals, Inc. The application has been assigned to **NEW YORK BLOOD CENTER, INC.**

2019320451 thyssenkrupp AG; thyssenkrupp Industrial Solutions AG The application has been assigned to **FLSmith A/S**

2019342755 PhaseBio Pharmaceuticals, Inc. The application has been assigned to **SFJ PHARMACEUTICALS X, LTD.**

2019349934 AbSci, LLC The application has been assigned to **AB-SCI Corporation**

**2020**

2020259804 OurIP Pty Ltd The application has been assigned to **Fore Holdings Pty Ltd**

2020260479 Dicerna Pharmaceuticals, Inc. The application has been assigned to **Novo Nordisk A/S**

2020277711 The University of Nottingham; PBD Biotech Limited The application has been assigned to **PBD BIOTECH LIMITED**

2020292572 thyssenkrupp AG; thyssenkrupp Industrial Solutions AG The application has been assigned to **FLSmith A/S**

2020301519 thyssenkrupp AG; thyssenkrupp Industrial Solutions AG The application has been assigned to **FLSmith A/S**

2020324512 thyssenkrupp AG; thyssenkrupp Industrial Solutions AG The application has been assigned to **FLSmith A/S**

2020340852 Haque, Muhammad The application has been assigned to **Elahi, Monjur; Haque, Muhammad**

2020352641 K-Gen, Inc. The application has been assigned to **K-GEN THERAPEUTICS, INC.**

2020410226 thyssenkrupp AG; thyssenkrupp Industrial Solutions AG The application has been assigned to **FLSmith A/S**

**Assignments before Grant, Section 113****2021**

2021211083 thyssenkrupp AG; thyssenkrupp Industrial Solutions AG The application has been assigned to **FLSmith A/S**

2021217512 thyssenkrupp AG; thyssenkrupp Industrial Solutions AG The application has been assigned to **FLSmith A/S**

2021259582 Jain, Deepak; Bertram, Timothy A. The application has been assigned to **ProKidney**

2021307446 SYACT, LLP The application has been assigned to **Sy-ACT International, LLC**

**2022**

2022228166 AbSci, LLC The application has been assigned to **AB-SCI Corporation**

2022901246 PACE, Laurence The application has been assigned to **4MySay Pty Ltd**

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

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

**2004**

2004274834 **QL Thermostatic Limited** An application to extend the time from 21 Sep 2022 to 21 Apr 2023 in which to pay a renewal fee has been filed . Address for service - James & Wells Intellectual Property GPO Box 1301 CANBERRA ACT 2601 AU

**2017**

2017325870 **Research Traingle Institute** An application to extend the time from 15 Sep 2022 to 15 Apr 2023 in which to pay a renewal fee has been filed . Address for service - WRAYS PTY LTD L7 863 Hay St Perth WA 6000 AU

**Applications Allowed - Section 223(2)****2017**

2017254918 **Borecam Asia Pte Ltd** The time in which to pay the acceptance fee has been extended to 12 May 2023 . Address for service - Elliptic Legal & Patent Services Suite 5A 63 Shepperton Road Victoria Park WA 6100 AU

**2018**

2018308581 **Schreder S.A.** The time in which to pay the acceptance fee has been extended to 19 May 2023 . Address for service - Golja Haines & Friend PO BOX 1014 SOUTH PERTH WA 6951 AU

**2021**

2021280374 **PHIISAGEN CORPORATION; OMOTOLA, Alahandro O.** The time in which to enter the National Phase has been extended to 28 Feb 2023 . Address for service - Wallington-Dummer Suite 1005 Level 10 66 Hunter Street Sydney NSW 2000 AU

**Extensions of Time, Section 223****2023**

2023200115 **You, N.** The time in which to make a further application for a divisional patent has been extended to 06 Feb 2023 . Address for service - Krouzer IP PO Box 7980 BAULKHAM HILLS BC NSW 2153 AU

2023200307 **Upside Foods, Inc.** The time in which to request examination has been extended to 14 May 2023 . Address for service - Black-wattle IP GPO Box 4310 Sydney NSW 2001 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.

**2016**

2016344665 Anti-variant Fc-region antibodies and methods of use **F. Hoffmann-La Roche AG** The nature of the amendment is as shown in the statement(s) filed 20 Feb 2023 . Address for service - Griffith Hack Level 15, 376-390 Collins Street Melbourne VIC 3000 AU

**2018**

2018313744 Macrocyclic immunomodulators **ChemoCentryx, Inc.** The nature of the amendment is as shown in the statement(s) filed 10 Feb 2023 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

**2021**

2021302337 Monitoring system **Dräger Safety AG & Co. KGaA** The nature of the amendment is as shown in the statement(s) filed 14 Apr 2023 . Address for service - Oxygene IP PO Box 611 BALWYN NORTH VIC 3104 AU

**Amendments Made****2016**

2016340826 **Takeda Pharmaceutical Company Limited** The nature of the amendment is as shown in the statement(s) filed 25 Jan 2023

**2018**

2018219660 **BASF SE** The nature of the amendment is as shown in the statement(s) filed 27 Jan 2023

2018247924 **Silence Therapeutics GmbH** The nature of the amendment is: Amend the name of the inventor to read Dames, Sibylle; Schaeper, Ute; Hauptmann, Judith; Frauendorf, Christian; Bethge, Lucas and Weingärtner, Adrien

**2019**

2019209199 **Illumina, Inc.** The nature of the amendment is as shown in the statement filed 23 Nov 2022



**Amendments****2020**

2020248138 **Kabushiki Kaisha Toyota Jidoshokki** The nature of the amendment is as shown in the statement(s) filed 11 Jan 2023

2020248195 **Huawei Technologies Co., Ltd.** The nature of the amendment is as shown in the statement(s) filed 24 Jan 2023

2020361079 **Oxford University Innovation Limited** The nature of the amendment is: Amend the name of the inventor to read RINALDI, Carlo; LIM, Wooi Fang and WOOD, Matthew

2020394627 **Triplet Therapeutics, Inc.** The nature of the amendment is: Amend the name of the inventor to read BETTENCOURT, Brian R.; BIRMINGHAM, Nessian Anthony and GE, Pei

2020458258 **Truetiva, Inc.; Kennedy, J.P.** The nature of the amendment is: Amend the name of the inventor to read KENNEDY, J. Phillip

**2021**

2021201304 **DAERYUK CAN CO., LTD.** The nature of the amendment is: Amend the priority details to read KR 10-2020-0038883 31 Mar 2020 KR

2021204116 **Genzyme Corporation** The nature of the amendment is: Amend the name of the inventor to read KANE, JR., John L; BARBERIS, Claude; CZEKAJ, Mark; ERDMAN, Paul; GIESE, Barret; KOTHE, Michael; LE, Tieu-binh; LIU, Jinyu; MA, Liang; METZ, Markus; PATEL, Vinod; SCHOLTE, Andrew; SHUM, Patrick and WEI, Linli

2021209260 **J. Ray McDermott, S.A.** The nature of the amendment is as shown in the statement(s) filed 18 Jan 2023

2021250950 **Lincoln University** The nature of the amendment is as shown in the statement filed 11 Jan 2023

2021269292 **S&C Electric Company** The nature of the amendment is: Amend the invention title to read Method for Locating and Isolating a Fault in a Power Distribution Network

2021290292 **Apple Inc.** The nature of the amendment is as shown in the statement(s) filed 31 Jan 2023

2021305101 **MFR Technologies, Inc.** The nature of the amendment is: Amend the name of the inventor to read LAUGHLIN, Trevor Jacob; ARMSTRONG, William D. and FOLEY, Kevin T.

2021309966 **Cerebral Therapeutics, Inc.** The nature of the amendment is: Amend the name of the inventor to read ABRAMS, Daniel J.; SHAFER, Lisa Lynn and SKINNER, Dwight

2021326443 **GlaiveRF, Inc.** The nature of the amendment is: Amend the name of the inventor to read Woods Jr., Wayne H.

2021339045 **World Golf Systems Limited** The nature of the amendment is as shown in the statement filed 05 Apr 2023

2021339648 **Clarapath, Inc.** The nature of the amendment is as shown in the statement(s) filed 08 Mar 2023

**Amendments**

2021347318 **Ocular Therapeutix, Inc.** The nature of the amendment is: Amend the invention title to read Sustained release biodegradable intracanalicular inserts comprising a hydrogel and cyclosporine

2021347318 **Ocular Therapeutix, Inc.** The nature of the amendment is: Amend the name of the inventor to read BLIZZARD, Charles D.; EL-HAYEK, Rami; GOLDSTEIN, Michael; JARRETT, Peter and VANSLETTE, Andrew

**2022**

2022900893 **Carruthers, J.; Gilmore, P.** The nature of the amendment is: Application is to proceed under number 2022361891

**Alteration of Name(s) of Applicant(s)/Patentee(s)****2004**

2004226849 Thyssenkrupp Fordertechnik GmbH The name of the patentee has been altered to **THYSSENKRUPP POLYSIUS AK-TIENGESELLSCHAFT**

**2007**

2007214087 Thyssenkrupp Fordertechnik GmbH The name of the patentee has been altered to **THYSSENKRUPP POLYSIUS AK-TIENGESELLSCHAFT**

**2008**

2008280515 Thyssenkrupp Fordertechnik GmbH The name of the patentee has been altered to **THYSSENKRUPP POLYSIUS AK-TIENGESELLSCHAFT**

**2016**

2016279051 CytRx Corporation The name of the patentee has been altered to **LadRx Corporation**

**2017**

2017298212 Metagenics, Inc. The name of the patentee has been altered to **Metagenics LLC**

**2018**

2018268156 Marine Canada Acquisition Inc. The name of the applicant has been altered to **Dometic Marine Canada Inc.**

2018333306 Marine Canada Acquisition Inc. The name of the applicant has been altered to **Dometic Marine Canada Inc.**

2018375787 CytRx Corporation The name of the applicant has been altered to **LadRx Corporation**

2018375788 CytRx Corporation The name of the applicant has been altered to **LadRx Corporation**

**2019**

2019270472 Worg Pharmaceuticals (Hangzhou) Co., Ltd. The name of the applicant has been altered to **Worg Pharmaceuticals (Zhejiang) Co., Ltd.**

2019286536 Proxy Technologies, Inc. The name of the applicant has been altered to **Proxy, Inc.**

**Amendments**

2019309242 CytRx Corporation The name of the applicant has been altered to **LadRx Corporation**

**2020**

2020215190 Atlas Elektronik GmbH; thyssenkrupp AG The name of the applicant has been altered to **ATLAS ELEKTRONIK GmbH; thyssenkrupp AG**

2020226692 Pondus R&D B.V. The name of the applicant has been altered to **Ebusco B.V.**

2020230838 Atlas Elektronik GmbH; thyssenkrupp AG The name of the applicant has been altered to **ATLAS ELEKTRONIK GmbH; thyssenkrupp AG**

2020458258 Truetiva, Inc.; Kennedy, J. Philip The name of the applicant has been altered to **Truetiva, Inc.; Kennedy, J.P.**

Applications Open to Public Inspection

Name Index

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

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(71) Abbott Diabetes Care Inc.  
 (11) AU-A-2023202024  
 (21) 2023202024 (22) 03.04.2023  
 (54) Methods, devices, and systems for physiological parameter analysis  
 (51) Int. Cl.  
**A61B 5/145** ( 2006.01 )  
**A61B 5/00** ( 2006.01 )  
**A61M 5/172** ( 2006.01 )  
**G01N 33/72** ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2019368318  
 (72) Xu, Yongjin  
 (74) FPA Patent Attorneys Pty Ltd

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(71) ABZAC CANADA INC.  
 (11) AU-A-2022203412  
 (21) 2022203412 (22) 19.05.2022  
 (54) CONVOLUTE CARDBOARD TUBE, APPARATUS AND METHOD FOR MANUFACTURING THE SAME  
 (51) Int. Cl.  
**B32B 29/08** ( 2006.01 )  
**B31C 1/00** ( 2006.01 )  
**B32B 1/08** ( 2006.01 )  
**B32B 29/02** ( 2006.01 )  
**B65H 75/20** ( 2006.01 )  
 (31) 17/503,068 (32) 15.10.21 (33) US  
 (43) 04.05.2023  
 (72) D'ANGLADE, Pierre-Michel  
 (74) FOUNDRY INTELLECTUAL PROPERTY PTY LTD

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(71) AccuraGen Holdings Limited  
 (11) AU-A-2023201912  
 (21) 2023201912 (22) 29.03.2023  
 (54) Methods and compositions for enrichment of amplification products  
 (51) Int. Cl.  
**C12Q 1/68** ( 2018.01 )  
 (43) 04.05.2023  
 (62) 2016334233  
 (72) Weng, Li; Lin, Shengrong; Tang, Ling Fung  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

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(71) Acres Technology  
 (11) AU-A-2023201967  
 (21) 2023201967 (22) 30.03.2023  
 (54) Dispatch System Having Control Shared with Dispatched Service Providers  
 (51) Int. Cl.  
**G06Q 50/10** ( 2012.01 )  
**A63F 13/00** ( 2014.01 )  
**H04M 3/00** ( 2006.01 )

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(43) 04.05.2023  
 (62) 2021201037  
 (72) Acres, John F.; Parker, Kevin; McCurry, Andrea  
 (74) Golja Haines & Friend

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(71) ADA Cosmetics International GmbH  
 (11) AU-A-2022241530  
 (21) 2022241530 (22) 29.09.2022  
 (54) Wall-Mounted Metering Dispenser  
 (51) Int. Cl.  
**A47K 5/12** ( 2006.01 )  
 (31) 10 2021 126 805.2 (32) 15.10.21 (33) DE  
 (43) 04.05.2023  
 (72) Schmidt, Johannes  
 (74) KINGS PATENT & TRADE MARKS ATTORNEYS PTY LTD

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**AD MAIORA LLC see GAPMED LIMITED**  
 (21) 2023201947

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(71) Adobe Inc.  
 (11) AU-A-2022215320  
 (21) 2022215320 (22) 14.08.2022  
 (54) PERFORMING INTERACTIVE DIGITAL IMAGE OPERATIONS UTILIZING MODIFIED MACHINE LEARNING MODELS  
 (51) Int. Cl.  
**G06T 11/00** ( 2006.01 )  
**G06N 3/02** ( 2006.01 )  
**G06T 7/10** ( 2017.01 )  
**G06V 10/00** ( 2022.01 )  
 (31) 17/502,296 (32) 15.10.21 (33) US  
 (43) 04.05.2023  
 (72) Price, Brian; Lin, Fanqing  
 (74) RnB IP Pty Ltd

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(71) Adobe Inc.  
 (11) AU-A-2022215321  
 (21) 2022215321 (22) 14.08.2022  
 (54) GENERATING SHADOWS FOR DIGITAL OBJECTS WITHIN DIGITAL IMAGES UTILIZING A HEIGHT MAP  
 (51) Int. Cl.  
**G06T 5/00** ( 2006.01 )  
**G06N 3/02** ( 2006.01 )  
**G06N 20/00** ( 2019.01 )  
**G06T 7/10** ( 2017.01 )  
**G06T 7/60** ( 2017.01 )  
 (31) 17/502,782 (32) 15.10.21 (33) US  
 (43) 04.05.2023  
 (72) Zhang, Jianming; Liu, Lifan; Zhang, He; Shechtman, Elya; Lin, Zhe  
 (74) RnB IP Pty Ltd

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(71) Advance International Inc.  
 (11) AU-A-2023202259  
 (21) 2023202259 (22) 12.04.2023

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(54) IMPROVED METHODS AND SYSTEMS FOR RECOVERING PROTEIN POWDER AND NATURAL OMEGA-3 OIL FROM ANIMAL TISSUE  
 (51) Int. Cl.  
**A23J 1/04** ( 2006.01 )  
**A23J 3/00** ( 2006.01 )  
**B02C 18/00** ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2021200547  
 (72) Ghorbani, Shahmard Maziar; Coltun, Kerry  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

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(71) Air Products and Chemicals, Inc.  
 (11) AU-A-2023202188  
 (21) 2023202188 (22) 11.04.2023  
 (54) COIL WOUND HEAT EXCHANGER  
 (51) Int. Cl.  
**F25J 1/00** ( 2006.01 )  
**F25J 5/00** ( 2006.01 )  
**F28D 7/02** ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2021202693  
 (72) Roberts, Mark Julian; Weist, AnneMarie Ott; Bukowski, Justin David  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

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(71) Alchin Long Group IP Pty Limited  
 (11) AU-A-2021254553  
 (21) 2021254553 (22) 19.10.2021  
 (54) Lock Cylinder  
 (51) Int. Cl.  
**E05B 29/00** ( 2006.01 )  
**E05B 9/08** ( 2006.01 )  
**E05B 19/00** ( 2006.01 )  
 (43) 04.05.2023  
 (72) Winston, David  
 (74) GLMR

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(71) Alcon Inc.  
 (11) AU-A-2023202036  
 (21) 2023202036 (22) 03.04.2023  
 (54) Azabicyclo and diazepam derivatives for treating ocular disorders  
 (51) Int. Cl.  
**C07D 471/04** ( 2006.01 )  
**A61K 31/439** ( 2006.01 )  
**A61P 27/10** ( 2006.01 )  
**C07D 471/08** ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2021205100  
 (72) ELLIS, David; KETELSON, Howard Allen  
 (74) Davies Collison Cave Pty Ltd

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(71) Alcresta Therapeutics, Inc.  
 (11) AU-A-2023202075

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Applications Open to Public Inspection - Name Index cont'd

- (21) 2023202075 (22) 04.04.2023  
 (54) Enteral feeding devices and related methods of use  
 (51) Int. Cl.  
**A61K 38/46** ( 2006.01 )  
**A61K 9/00** ( 2006.01 )  
**A61M 5/14** ( 2006.01 )  
**A61M 5/142** ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2016339039  
 (72) Gallotto, Robert; Loring, Greta L.; Gary, Kenneth; Park, Edward S.; Brown, David J.; Schoevaart, Willem Robert Klaas; Van Vliet, Michiel Christian Alexander  
 (74) Spruson & Ferguson
- 
- (71) Allen, W.J.  
 (11) AU-A-2023201886  
 (21) 2023201886 (22) 28.03.2023  
 (54) Tiled floor assembly and components  
 (51) Int. Cl.  
**E04F 15/024** ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2019373852  
 (72) ALLEN, Warwick James  
 (74) AJ PARK
- 
- (71) Almag S.p.A.  
 (11) AU-A-2023202208  
 (21) 2023202208 (22) 11.04.2023  
 (54) A METHOD FOR MANUFACTURING A LEAD-FREE OR LOW LEAD CONTENT BRASS BILLET AND BILLET THUS OBTAINED  
 (51) Int. Cl.  
**B22F 3/20** ( 2006.01 )  
**C22C 9/00** ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2017265469  
 (72) Gnutti, Gabriele; Bertelli, Marco  
 (74) PHILLIPS ORMONDE FITZPATRICK
- 
- (71) Altronic Distributors Pty Ltd  
 (11) AU-A-2023202012  
 (21) 2023202012 (22) 31.03.2023  
 (54) Shroud and Speaker Assembly  
 (51) Int. Cl.  
**H04R 1/02** ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2018203808  
 (72) Sorensen, Brian  
 (74) WRAYS PTY LTD
- 
- Amgen Inc. see ConnectMeSmart GmbH**  
 (21) 2023201907
- 
- (71) Amgen Inc.  
 (11) AU-A-2023202243  
 (21) 2023202243 (22) 12.04.2023  
 (54) Magnetic assisted separation apparatus and related methods  
 (51) Int. Cl.  
**B01L 9/06** ( 2006.01 )  
**B03C 1/02** ( 2006.01 )  
**G01N 35/00** ( 2006.01 )
- 
- (71) Angel Group Co., Ltd.  
 (11) AU-A-2023202190  
 (21) 2023202190 (22) 11.04.2023  
 (54) Fraud detection system in casino  
 (51) Int. Cl.  
**A63F 1/06** ( 2006.01 )  
**A63F 11/00** ( 2006.01 )  
**G06Q 50/10** ( 2012.01 )  
 (43) 04.05.2023  
 (62) 2021200622  
 (72) Conrad, Larry M.  
 (74) FPA Patent Attorneys Pty Ltd
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- (71) Angel Group Co., Ltd.  
 (11) AU-A-2023202211  
 (21) 2023202211 (22) 11.04.2023  
 (54) Management system for casino items  
 (51) Int. Cl.  
**G07F 17/32** ( 2006.01 )  
**G06K 19/04** ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2021209184  
 (72) Shigeta, Yasushi  
 (74) Davies Collison Cave Pty Ltd
- 
- (71) Angel Group Co., Ltd.  
 (11) AU-A-2023202240  
 (21) 2023202240 (22) 12.04.2023  
 (54) Fraud detection system in casino  
 (51) Int. Cl.  
**A63F 1/06** ( 2006.01 )  
**A63F 11/00** ( 2006.01 )  
**G06Q 50/10** ( 2012.01 )  
 (43) 04.05.2023  
 (62) 2021200289  
 (72) SHIGETA, Yasushi  
 (74) FB Rice Pty Ltd
- 
- (71) Apple Inc.  
 (11) AU-A-2023201888  
 (21) 2023201888 (22) 28.03.2023  
 (54) Intelligent appointment suggestions  
 (51) Int. Cl.  
**G06Q 10/10** ( 2023.01 )  
 (43) 04.05.2023  
 (62) 2022201049  
 (72) Jon, Tiffany S.; Lemay, Stephen O.; Yang, Lawrence  
 (74) FPA Patent Attorneys Pty Ltd
- 
- (71) Apple Inc.  
 (11) AU-A-2023201920  
 (21) 2023201920 (22) 29.03.2023  
 (54) Restricted operation of an electronic device  
 (51) Int. Cl.  
**G06F 3/01** ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2021250863  
 (72) KO, Heena; AGNOLI, Giovanni; CHEN, Kevin Will; CLARK, David; HAWKINS, Tyler; LEE, Catherine; LEMAY, Stephen O.; OLSEN, Reed E.; PATTON, Jennifer D.; SALZMAN, Paul W.; SCHIMON, David; SUNDSTROM, Matthew J.; WILSON, Christopher I.; LYNCH, Kevin  
 (74) FPA Patent Attorneys Pty Ltd
- 
- (71) Aristocrat Technologies, Inc.  
 (11) AU-A-2023201981  
 (21) 2023201981 (22) 31.03.2023  
 (54) SYSTEMS AND METHODS FOR A FREE SPIN COUNT-UP AND SUBSEQUENT COUNT-DOWN  
 (51) Int. Cl.  
**G07F 17/34** ( 2006.01 )  
**A63F 9/24** ( 2006.01 )  
**A63F 13/85** ( 2014.01 )  
 (43) 04.05.2023  
 (62) 2022231738  
 (72) MARSH, David; MARSTON, Daniel  
 (74) Griffith Hack
- 
- (71) Aristocrat Technologies Australia Pty Limited  
 (11) AU-A-2023202119  
 (21) 2023202119 (22) 05.04.2023  
 (54) A GAMING SYSTEM AND A METHOD OF GAMING  
 (51) Int. Cl.  
**A63F 13/00** ( 2014.01 )  
 (43) 04.05.2023  
 (62) 2021200289  
 (72) LEBARON, Richard G.  
 (74) Griffith Hack
- 
- (71) Aristocrat Technologies Australia Pty Limited  
 (11) AU-A-2023202169  
 (21) 2023202169 (22) 08.04.2023  
 (54) A GAMING SYSTEM AND A METHOD OF GAMING  
 (51) Int. Cl.  
**A63F 9/24** ( 2006.01 )

Applications Open to Public Inspection - Name Index cont'd

(43) 04.05.2023  
(62) 2017201335  
(72) GUPTA, Lipi  
(74) Griffith Hack

(71) ASPECT FURNITURE SYSTEMS LIMITED

(11) AU-A-2021250954  
(21) 2021250954 (22) 15.10.2021  
(54) ROOM POD  
(51) Int. Cl.

*E04B 1/348* ( 2006.01 )  
*E04H 1/12* ( 2006.01 )  
*F24F 13/068* ( 2006.01 )  
*F24F 13/072* ( 2006.01 )  
*E04B 1/82* ( 2006.01 )  
*E04B 5/02* ( 2006.01 )  
*E04B 9/00* ( 2006.01 )  
*F24F 7/007* ( 2006.01 )  
*F24F 13/06* ( 2006.01 )

(43) 04.05.2023  
(72) SIMMONS, Ashley James  
(74) AJ PARK

(71) Aspen Aerogels, Inc.

(11) AU-A-2023201064  
(21) 2023201064 (22) 23.02.2023  
(54) Improved hydrophobic aerogel materials

(51) Int. Cl.  
*C01B 33/158* ( 2006.01 )  
*C01B 33/159* ( 2006.01 )

(43) 04.05.2023  
(62) 2021209172  
(72) Evans, Owen; Dekraft, Kathryn; Zafiroopoulos, Nicholas; Dong, Wenting; Mihalcik, David; Gould, George; Melnikova, Irene  
(74) Griffith Hack

(71) AstraZeneca AB

(11) AU-A-2023201972  
(21) 2023201972 (22) 31.03.2023  
(54) PCSK9 INHIBITORS AND METHODS OF USE THEREOF

(51) Int. Cl.  
*C07D 401/02* ( 2006.01 )  
*A61K 31/395* ( 2006.01 )  
*A61K 31/435* ( 2006.01 )  
*A61P 3/06* ( 2006.01 )  
*C07D 231/10* ( 2006.01 )  
*C07D 231/38* ( 2006.01 )  
*C07D 401/12* ( 2006.01 )  
*C07K 16/28* ( 2006.01 )  
*C07K 16/40* ( 2006.01 )

(43) 04.05.2023  
(62) 2020209216  
(72) Serrano-Wu, Michael H.; Hubbard, Brian K.; Kaushik, Virendar; Daniels, Doug  
(74) PHILLIPS ORMONDE FITZPATRICK

(71) Australian Pork Limited

(11) AU-A-2023202097  
(21) 2023202097 (22) 05.04.2023  
(54) Traceability of swine tissue  
(51) Int. Cl.  
*G06Q 50/02* ( 2012.01 )

*G01N 33/12* ( 2006.01 )  
*G01N 33/50* ( 2006.01 )  
*G06Q 10/00* ( 2023.01 )

(43) 04.05.2023  
(62) 2021201066  
(72) LEE, Garry; WATLING, John  
(74) FB Rice Pty Ltd

(71) Bard Peripheral Vascular, Inc.

(11) AU-A-2023202176  
(21) 2023202176 (22) 11.04.2023  
(54) DEVICES, SYSTEMS, AND METHODS FOR DETERMINING A USE OF UNITS IN MEDICAL PROCEDURES TO ESTABLISH EFFICIENCY AND ALTERNATE PRICING

(51) Int. Cl.  
*G16H 40/20* ( 2018.01 )  
*G06Q 50/22* ( 2018.01 )

(43) 04.05.2023  
(62) 2019462994  
(72) BARCLAY, Ben  
(74) Pizzeyes Patent and Trade Mark Attorneys Pty Ltd

(71) Bayer Healthcare LLC

(11) AU-A-2023202267  
(21) 2023202267 (22) 12.04.2023  
(54) System and method for syringe fluid fill verification and image recognition of power injector system features

(51) Int. Cl.  
*A61M 5/142* ( 2006.01 )

(43) 04.05.2023  
(62) 2021204061  
(72) Cowan, Kevin P.; Spohn, Michael A.; McDermott, Michael; Grubic, Herbert M.  
(74) Davies Collison Cave Pty Ltd

(71) Bayer HealthCare LLC

(11) AU-A-2023201998  
(21) 2023201998 (22) 31.03.2023  
(54) Fluid control valve and manifold  
(51) Int. Cl.  
*A61M 39/22* ( 2006.01 )

(43) 04.05.2023  
(62) 2017345171  
(72) Spohn, Michael; Cowan, Kevin; Cain, Brian; Berry, David; Fentress, James; Orenstein, David; Dedig, James; Tucker, Barry  
(74) Davies Collison Cave Pty Ltd

(71) Beam Therapeutics Inc.

(11) AU-A-2023201773  
(21) 2023201773 (22) 22.03.2023  
(54) Compositions and methods for treating Hemoglobinopathies  
(51) Int. Cl.  
*C12N 9/22* ( 2006.01 )  
*C12N 9/78* ( 2006.01 )  
*C12N 15/10* ( 2006.01 )

(43) 04.05.2023  
(62) 2020223060  
(72) SLAYMAKER, Ian; GAUDELLI, Nicole; YU, Yi; ZETSCHKE, Bernd; BORN, Dav-

id A.; LEE, Seung-Joo; PACKER, Michael

(74) Southern Cross Intellectual Property

(71) Becton, Dickinson and Company

(11) AU-A-2023201982  
(21) 2023201982 (22) 31.03.2023  
(54) System, method, and product for identifying a lumen  
(51) Int. Cl.  
*G16H 20/17* ( 2018.01 )  
*G16H 40/20* ( 2018.01 )  
*G16H 40/60* ( 2018.01 )

(43) 04.05.2023  
(62) 2020219044  
(72) ISAACSON, Ray  
(74) FB Rice Pty Ltd

(71) Beijing Roborock Technology Co., Ltd.

(11) AU-A-2023201499  
(21) 2023201499 (22) 10.03.2023  
(54) Method and apparatus for detecting obstacle, self-moving robot, and storage medium

(51) Int. Cl.  
*A47L 9/28* ( 2006.01 )  
*A47L 11/10* ( 2006.01 )

(43) 04.05.2023  
(62) PCT/CN2021/085960  
(72) XIE, Haojian  
(74) Allens Patent & Trade Mark Attorneys

(71) Berkshire Biomedical Corporation

(11) AU-A-2023202052  
(21) 2023202052 (22) 04.04.2023  
(54) Computerized oral prescription administration devices and associated systems and methods

(51) Int. Cl.  
*A61C 19/00* ( 2006.01 )  
*A61C 19/04* ( 2006.01 )  
*A61C 19/06* ( 2006.01 )  
*A61J 7/00* ( 2006.01 )  
*A61M 31/00* ( 2006.01 )

(43) 04.05.2023  
(62) 2018207113  
(72) Rouse, Thomas M.; Owen, Susan B.; Corey, Christy  
(74) Spruson & Ferguson

(71) Bioverativ Therapeutics Inc.

(11) AU-A-2023202218  
(21) 2023202218 (22) 11.04.2023  
(54) Optimized factor viii genes  
(51) Int. Cl.  
*C12N 9/64* ( 2006.01 )

(43) 04.05.2023  
(62) 2017214378  
(72) Tan, Siyuan; Liu, Tongyao  
(74) Spruson & Ferguson

(71) Bluescope Steel Limited

(11) AU-A-2023201975  
(21) 2023201975 (22) 31.03.2023  
(54) Roof Clip  
(51) Int. Cl.

Applications Open to Public Inspection - Name Index cont'd

**E04D 1/34** ( 2006.01 )  
**E04D 3/36** ( 2006.01 )  
**E04F 13/08** ( 2006.01 )  
**(43)** 04.05.2023  
**(62)** 2021201732  
**(72)** GALLATY, Rodney John; CELEBAN, Michael  
**(74)** WRAYS PTY LTD

**(71)** BLUESCOPE STEEL LIMITED  
**(11)** AU-A-2023201974  
**(21)** 2023201974 **(22)** 31.03.2023  
**(54)** Roof/Wall Panel  
**(51)** Int. Cl.  
**E04D 3/24** ( 2006.01 )  
**E04D 13/18** ( 2018.01 )  
**(43)** 04.05.2023  
**(62)** 2017225166  
**(72)** Clayton, Trevor; Klees, Robert; Szalla, John  
**(74)** WRAYS PTY LTD

**(71)** Boehringer Ingelheim International GmbH  
**(11)** AU-A-2023201872  
**(21)** 2023201872 **(22)** 27.03.2023  
**(54)** Combinations of linagliptin and metformin  
**(51)** Int. Cl.  
**A61K 31/522** ( 2006.01 )  
**A61K 9/00** ( 2006.01 )  
**A61K 31/155** ( 2006.01 )  
**A61K 45/06** ( 2006.01 )  
**(43)** 04.05.2023  
**(62)** 2017276758  
**(72)** Meinicke, Thomas; Von Eynatten, Maximilian  
**(74)** Spruson & Ferguson

**(71)** Boston Scientific Scimed, Inc.  
**(11)** AU-A-2023202194  
**(21)** 2023202194 **(22)** 11.04.2023  
**(54)** Medical device containment and transportation systems and methods  
**(51)** Int. Cl.  
**A61B 50/33** ( 2016.01 )  
**A61B 50/36** ( 2016.01 )  
**A61B 50/00** ( 2016.01 )  
**A61B 50/18** ( 2016.01 )  
**A61B 50/30** ( 2016.01 )  
**(43)** 04.05.2023  
**(62)** 2019416199  
**(72)** CUMMINGS, Nathan T.; DANDIN, Jenny; DALENA, Michele E.; BOLICK, Alyson; LAFLAMME, Ryan; TALSKY, Joshua; COLLINS, Mark  
**(74)** Spruson & Ferguson

**(71)** Brien Holden Vision Institute Limited  
**(11)** AU-A-2023202106  
**(21)** 2023202106 **(22)** 05.04.2023  
**(54)** Lenses, devices, methods and systems for refractive error  
**(51)** Int. Cl.  
**A61F 9/00** ( 2006.01 )  
**A61B 3/00** ( 2006.01 )  
**A61F 2/14** ( 2006.01 )

**A61F 2/16** ( 2006.01 )  
**G02C 7/02** ( 2006.01 )  
**(43)** 04.05.2023  
**(62)** 2020260384  
**(72)** Bakaraju, Ravi Chandra; Ehrmann, Klaus; Ho, Arthur; Holden, Brien Anthony  
**(74)** Spruson & Ferguson

**(71)** C.R. Bard, Inc.  
**(11)** AU-A-2023201941  
**(21)** 2023201941 **(22)** 30.03.2023  
**(54)** Inflatable perfusion balloon with outer mesh and related methods  
**(51)** Int. Cl.  
**A61F 2/958** ( 2013.01 )  
**A61M 25/10** ( 2013.01 )  
**A61M 29/02** ( 2006.01 )  
**(43)** 04.05.2023  
**(62)** 2021200294  
**(72)** Rousu, Corey  
**(74)** Griffith Hack

**(71)** California Institute of Technology; The Rockefeller University  
**(11)** AU-A-2023201926  
**(21)** 2023201926 **(22)** 29.03.2023  
**(54)** BROADLY-NEUTRALIZING ANTI-HIV ANTIBODIES  
**(51)** Int. Cl.  
**A61P 31/18** ( 2006.01 )  
**(43)** 04.05.2023  
**(62)** 2020244391  
**(72)** MOUQUET, Hugo; NUSSENZ-WEIG, Michel; BJORKMAN, Pamela; SCHARFF, Louise  
**(74)** Maxwells Patent & Trade Mark Attorneys Pty Ltd

**(71)** Cambria Geosciences Inc.  
**(11)** AU-A-2022325170  
**(21)** 2022325170 **(22)** 19.10.2022  
**(54)** System for replenishing an on-board power source for a propulsion system on a vehicle such as a watercraft and process  
**(51)** Int. Cl.  
**H01M 8/00** ( 2016.01 )  
**(31)** 63/262,717 **(32)** 19.10.21 **(33)** US  
**(43)** 04.05.2023  
**(72)** MCGUIGAN, Paul J.; CHAMPAGNE, Gilles Y.  
**(74)** MEYER WEST IP

**(71)** Cancer Research Technology Limited  
**(11)** AU-A-2023202090  
**(21)** 2023202090 **(22)** 04.04.2023  
**(54)** Dietary product devoid of at least two non essential amino acids  
**(51)** Int. Cl.  
**A61K 31/198** ( 2006.01 )  
**A61K 45/06** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**(43)** 04.05.2023  
**(62)** 2017224924  
**(72)** Maddocks, Oliver; Vousden, Karen  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Caribou Biosciences, Inc.  
**(11)** AU-A-2023202056  
**(21)** 2023202056 **(22)** 04.04.2023  
**(54)** CRISPR hybrid DNA/RNA polynucleotides and methods of use  
**(51)** Int. Cl.  
**C12N 15/11** ( 2006.01 )  
**C12N 9/22** ( 2006.01 )  
**C12N 15/63** ( 2006.01 )  
**(43)** 04.05.2023  
**(62)** 2021202913  
**(72)** MAY, Andrew P.; DONOHOU, Paul D.  
**(74)** Oxygene IP

**(71)** Caterpillar Global Mining Equipment LLC  
**(11)** AU-A-2022241542  
**(21)** 2022241542 **(22)** 29.09.2022  
**(54)** ROPE TENSIONING SYSTEM FOR DRILLING RIG  
**(51)** Int. Cl.  
**E21B 19/084** ( 2006.01 )  
**B66D 1/40** ( 2006.01 )  
**E21B 7/02** ( 2006.01 )  
**(31)** 17/502,912 **(32)** 15.10.21 **(33)** US  
**(43)** 04.05.2023  
**(72)** HUDSON, Charles T.; UMAPATHY, Elangovan; R, Prasana  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** Caterpillar Underground Mining Pty Ltd  
**(11)** AU-A-2023201918  
**(21)** 2023201918 **(22)** 29.03.2023  
**(54)** Cover assembly for charging port of electric machines  
**(51)** Int. Cl.  
**H05K 5/02** ( 2006.01 )  
**H01R 13/52** ( 2006.01 )  
**H02J 7/00** ( 2006.01 )  
**H05K 5/03** ( 2006.01 )  
**(43)** 04.05.2023  
**(62)** 2021313611  
**(72)** Springer, Steven D.; Goldwin, Nirmal  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** Celgene Corporation  
**(11)** AU-A-2023202159  
**(21)** 2023202159 **(22)** 06.04.2023  
**(54)** Treatment of a hematologic malignancy with 2-(4-chlorophenyl)-N-((2-(2,6-dioxopiperidin-3-yl)-1-oxoisindolin-5-yl)methyl)-2,2-difluoroacetamide  
**(51)** Int. Cl.  
**A61K 31/454** ( 2006.01 )  
**A61K 31/4545** ( 2006.01 )  
**A61P 35/02** ( 2006.01 )  
**(43)** 04.05.2023  
**(62)** 2017278114  
**(72)** CARRANCIO, Soraya; HOLLENBACH, Paul; LOPEZ-GIRONA, Antonia; MACBETH, Kyle; POURDEHNAD, Michael; RAPPLEY, Irit; LU, Gang  
**(74)** FB Rice Pty Ltd

Applications Open to Public Inspection - Name Index cont'd

- (71) CFPH, LLC  
 (11) AU-A-2023202021  
 (21) 2023202021 (22) 03.04.2023  
 (54) ELECTRONIC TRADING SYSTEMS AND METHODS  
 (51) Int. Cl.  
*G06Q 40/00* ( 2023.01 )  
 (43) 04.05.2023  
 (62) 2021200152  
 (72) Lutnick, Howard W.; Alderucci, Dean P.; Foley, Kevin; Fishkind, Andrew; Miller, Mark A.; Gay, Brian L.; Plott, Charles; Marber, Philip; Rice, Bill  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
- 
- (71) CFPH, LLC  
 (11) AU-A-2023202023  
 (21) 2023202023 (22) 03.04.2023  
 (54) LARGE BLOCK TRADING  
 (51) Int. Cl.  
*G06Q 40/00* ( 2023.01 )  
 (43) 04.05.2023  
 (62) 2021200160  
 (72) Lutnick, Howard W.; Alderucci, Dean P.; Foley, Kevin; Fishkind, Andrew; Miller, Mark A.; Gay, Brian L.; Plott, Charles; Marber, Philip; Rice, Bill  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
- 
- (71) Chevron U.S.A Inc.; GeoQuest Systems B.V.  
 (11) AU-A-2022252835  
 (21) 2022252835 (22) 14.10.2022  
 (54) Acceleration of subsurface simulation using filtered grid connectivity graph  
 (51) Int. Cl.  
*G06F 30/20* ( 2020.01 )  
*G01V 99/00* ( 2009.01 )  
 (31) 17/506,347 (32) 20.10.21 (33) US  
 (43) 04.05.2023  
 (72) WATANABE, Shingo; NATVIG, Jostein; TOMIN, Pavel  
 (74) Davies Collison Cave Pty Ltd
- 
- (71) Civitas Therapeutics, Inc.  
 (11) AU-A-2023201990  
 (21) 2023201990 (22) 31.03.2023  
 (54) Surfactant Formulations for Inhalation  
 (51) Int. Cl.  
*A61K 9/72* ( 2006.01 )  
*A61K 9/16* ( 2006.01 )  
*A61K 31/685* ( 2006.01 )  
*A61P 11/00* ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2017281931  
 (72) Lipp, Michael M.; Kamerkar, Abhijit; Gilani, Fahad; Chan, Holly; Tauber, Michael  
 (74) RNB IP PTY LTD
- 
- (71) CloudBlue LLC  
 (11) AU-A-2023202120  
 (21) 2023202120 (22) 05.04.2023
- 
- (71) SYSTEM AND METHOD FOR MULTI-LAYERED BILLING IN A CLOUD SERVICE BROKERAGE  
 (51) Int. Cl.  
*G06Q 20/00* ( 2012.01 )  
 (43) 04.05.2023  
 (62) 2017386690  
 (72) Kuzkin, Maxim; Zatsepin, Vladimir; Khodos, Pavel; Melnikov, Oleg  
 (74) RnB IP
- 
- (71) CNH Industrial America LLC  
 (11) AU-A-2022252787  
 (21) 2022252787 (22) 13.10.2022  
 (54) System and method for performing spraying operations with an agricultural applicator  
 (51) Int. Cl.  
*A01M 7/00* ( 2006.01 )  
*G05D 1/02* ( 2020.01 )  
*G05D 1/12* ( 2006.01 )  
*G06V 20/17* ( 2022.01 )  
 (31) 17/501,509 (32) 14.10.21 (33) US  
 (43) 04.05.2023  
 (72) Long, Scott Allen; Stanhope, Trevor; Bittner, Roy A.  
 (74) Griffith Hack
- 
- (71) CNH Industrial America LLC  
 (11) AU-A-2022256102  
 (21) 2022256102 (22) 18.10.2022  
 (54) System and method for performing spraying operations with an agricultural applicator  
 (51) Int. Cl.  
*A01M 7/00* ( 2006.01 )  
*B05B 1/14* ( 2006.01 )  
*B05B 12/16* ( 2018.01 )  
 (31) 17/504,895 (32) 19.10.21 (33) US  
 (43) 04.05.2023  
 (72) Ruppert, Rex Leroy; Smith, Kevin M.; Bittner, Roy A.  
 (74) Griffith Hack
- 
- (71) Concourse IP Pty Ltd  
 (11) AU-A-2023202070  
 (21) 2023202070 (22) 04.04.2023  
 (54) Electrically motorised wheel, transmission and control module, kit, vehicle and system  
 (51) Int. Cl.  
*A63B 55/60* ( 2015.01 )  
*B60K 7/00* ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2017361121  
 (72) Mackay, David Michael  
 (74) Davies Collison Cave Pty Ltd
- 
- (71) ConnectMeSmart GmbH; Amgen Inc.  
 (11) AU-A-2023201907  
 (21) 2023201907 (22) 29.03.2023  
 (54) System and method for detecting activation of a medical delivery device  
 (51) Int. Cl.  
*A61J 7/04* ( 2006.01 )
- 
- (43) 04.05.2023  
 (62) 2021201762  
 (72) Albrecht, Sabine; Bauss, Markus  
 (74) Spruson & Ferguson
- 
- (71) CROWN EQUIPMENT CORPORATION  
 (11) AU-A-2023202256  
 (21) 2023202256 (22) 12.04.2023  
 (54) Dynamic operator behavior analyzer  
 (51) Int. Cl.  
*G01M 17/007* ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2021202359  
 (72) MANCI, Lewis H.; SWIFT, Philip W.; WALTZ, Lucas B.  
 (74) Griffith Hack
- 
- (71) Cue Vapor Limited  
 (11) AU-A-2023202217  
 (21) 2023202217 (22) 11.04.2023  
 (54) Disposable tank electronic cigarette, method of manufacture and method of use  
 (51) Int. Cl.  
*A24F 47/00* ( 2020.01 )  
 (43) 04.05.2023  
 (62) 2021202586  
 (72) PEREZ, Ruben Hector; BASILE, Alexander; CRAWFORD, Alan  
 (74) FB Rice Pty Ltd
- 
- (71) Cycleron Therapeutics, Inc.  
 (11) AU-A-2023202058  
 (21) 2023202058 (22) 04.04.2023  
 (54) sGC Stimulators  
 (51) Int. Cl.  
*C07D 413/14* ( 2006.01 )  
*A61K 31/506* ( 2006.01 )  
*A61P 3/00* ( 2006.01 )  
*A61P 9/00* ( 2006.01 )  
*A61P 15/00* ( 2006.01 )  
*A61P 25/00* ( 2006.01 )  
*C07D 403/04* ( 2006.01 )  
*C07D 417/14* ( 2006.01 )  
*C07D 471/04* ( 2006.01 )  
*C07D 487/04* ( 2006.01 )  
*C07D 495/04* ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2021204292  
 (72) Nakai, Takashi; Moore, Joel; Perl, Nicholas Robert; Iyengar, Rajesh R.; Mermerian, Ara; Im, G-Yoon Jamie; Lee, Thomas Wai-Ho; Hudson, Colleen; Rennie, Glen Robert; Jia, Lei; Renhowe, Paul Allen; Barden, Timothy Claude; Yu, Xiang Y.; Sheppeck, James Edward; Iyer, Karthik; Jung, Joon; Milne, George Todd; Long, Kimberly-Kafadar; Currie, Mark G.  
 (74) Griffith Hack
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- (71) Decathlon  
 (11) AU-A-2022252694  
 (21) 2022252694 (22) 10.10.2022  
 (54) Tent equipped with a deployable canopy

Applications Open to Public Inspection - Name Index cont'd

(51) Int. Cl.  
**E04H 15/48** ( 2006.01 )  
**E04H 15/06** ( 2006.01 )  
**E04H 15/64** ( 2006.01 )  
(31) 2110967 (32) 15.10.21 (33) FR  
(43) 04.05.2023  
(72) Lafoux, Benjamin; Bruneteau, Emilien  
(74) FPA Patent Attorneys Pty Ltd

(71) Deco IP Pty Ltd  
(11) AU-A-2023202164  
(21) 2023202164 (22) 07.04.2023  
(54) Wall Cladding System  
(51) Int. Cl.  
**E04F 13/08** ( 2006.01 )  
**E04F 13/072** ( 2006.01 )  
**E04F 13/12** ( 2006.01 )

(43) 04.05.2023  
(62) 2021232797  
(72) Doonan, Ross; Hamber, Richard  
(74) ACROGON GROUP PTY LTD

(71) Deere & Company  
(11) AU-A-2022231744  
(21) 2022231744 (22) 15.09.2022  
(54) Sugarcane harvester extractor with leaf shredder  
(51) Int. Cl.  
**A01D 45/10** ( 2006.01 )  
(31) 17/451,390 (32) 19.10.21 (33) US  
(43) 04.05.2023  
(72) Hansen, Matthew J.; Mixon, Dusk S.; Kocis, Juraj; Young, Jae-Jae; Landinez, Jesus Reinaldo  
(74) Davies Collison Cave Pty Ltd

(71) Deere & Company  
(11) AU-A-2022231802  
(21) 2022231802 (22) 19.09.2022  
(54) Sugarcane harvester extractor with fixed leaf shredder  
(51) Int. Cl.  
**A01D 45/10** ( 2006.01 )  
**B02C 18/10** ( 2006.01 )  
(31) 17/451,400 (32) 19.10.21 (33) US  
(43) 04.05.2023  
(72) Hansen, Matthew J.; Mixon, Dusk S.; Rodrigue, Todd J.; Young, Jae-Jae; Kocis, Juraj; Landinez, Jesus Reinaldo  
(74) Davies Collison Cave Pty Ltd

(71) Deere & Company  
(11) AU-A-2022235602  
(21) 2022235602 (22) 23.09.2022  
(54) Automated turn patterns in an agricultural harvester  
(51) Int. Cl.  
**G05D 1/02** ( 2020.01 )  
**A01B 69/00** ( 2006.01 )  
**A01D 41/127** ( 2006.01 )  
**G05B 11/01** ( 2006.01 )  
(31) 17/506,131 (32) 20.10.21 (33) US  
(43) 04.05.2023  
(72) Burnley, Ryan C.; Torzewski, Michael A.; Thankappan Pillai, Ajit K.  
(74) Davies Collison Cave Pty Ltd

(71) DePuy Synthes Products, Inc.  
(11) AU-A-2023201989  
(21) 2023201989 (22) 31.03.2023  
(54) Proximal femur hook plate  
(51) Int. Cl.  
**A61B 17/74** ( 2006.01 )  
**A61B 17/80** ( 2006.01 )  
(43) 04.05.2023  
(62) 2018236150  
(72) Koay, Kenny; Galie, Jessica; Probst, Troy; Fatone, Peter; Fritz, Bryan; Brace, Mike; Smith, Glenna; Haidukewych, George J.; Stoffel, Karl; Collinge, Cory A.; Liporace, Frank A.; Ziran, Bruce H.  
(74) Spruson & Ferguson

(71) Dexcom, Inc.  
(11) AU-A-2023202112  
(21) 2023202112 (22) 05.04.2023  
(54) Diabetes management partner interface for wireless communication of analyte data  
(51) Int. Cl.  
**H04W 72/04** ( 2023.01 )  
(43) 04.05.2023  
(62) 2018362257  
(72) KAMATH, Apurv Ullas; MENSINGER, Michael Robert; POLYTARIDIS, Nicholas; MORRIS, Gary A.; CONSTANTIN, Alexandra E.; BURNETTE, Douglas William; REMON, Mario; BARRERAS, Jorge R.; WEST, Benjamin Elrod; HAN-NEMANN, Christopher R.  
(74) FB Rice Pty Ltd

(71) Dexcom, Inc.  
(11) AU-A-2023202235  
(21) 2023202235 (22) 12.04.2023  
(54) System and method for data analytics and visualization  
(51) Int. Cl.  
**G16H 15/00** ( 2018.01 )  
(43) 04.05.2023  
(62) 2021202782  
(72) ZAMANAKOS, Georgios; WIEDEBACK, Daniel Justin; STEWART, Jeffrey Grant; REIHMAN, Eli; PRICE, David; MILLER, Lauren C.; LEONE, Kerri; KRAEMER, Dan; KIRBY, Katherine Eng; KIDA, Greg; KAMATH, Apurv Ullas; GREENE, Adam R.; GIMENEZ, Rebecca; ELLI, Sarah Paige; DRAEGER, Rian; DEL-MORE, Shane Philip; BOWMAN, Leif N.  
(74) FB Rice Pty Ltd

(71) Dizal (Jiangsu) Pharmaceutical Co., Ltd.  
(11) AU-A-2023202151  
(21) 2023202151 (22) 06.04.2023  
(54) ERBB/BTK INHIBITORS  
(51) Int. Cl.  
**C07D 239/48** ( 2006.01 )  
**A61K 31/505** ( 2006.01 )  
**A61K 31/506** ( 2006.01 )  
**A61P 9/02** ( 2006.01 )  
**A61P 17/00** ( 2006.01 )  
**A61P 35/02** ( 2006.01 )  
**A61P 37/02** ( 2006.01 )

**C07D 401/12** ( 2006.01 )  
**C07D 487/00** ( 2006.01 )  
(43) 04.05.2023  
(62) 2019215538  
(72) Li, Zhengtao; Zou, Hao; Zhu, Wei; Shen, Changmao; Wang, Rumin; Liu, Wengeng; Chen, Xiang; Tsui, Hong-chung; Yang, Zhenfan; Zhang, Xiaolin  
(74) PHILLIPS ORMONDE FITZPATRICK

(71) Dolby International AB  
(11) AU-A-2023201911  
(21) 2023201911 (22) 29.03.2023  
(54) Method and device for applying dynamic range compression to a higher order ambisonics signal  
(51) Int. Cl.  
**H04S 3/00** ( 2006.01 )  
**G10L 19/008** ( 2013.01 )  
(43) 04.05.2023  
(62) 2021204754  
(72) Boehm, Johannes; Keiler, Florian  
(74) Spruson & Ferguson

(71) DSI Underground Australia Pty Limited  
(11) AU-A-2022256107  
(21) 2022256107 (22) 18.10.2022  
(54) A nut assembly  
(51) Int. Cl.  
**E21D 21/00** ( 2006.01 )  
**E21D 20/02** ( 2006.01 )  
**F16B 31/02** ( 2006.01 )  
(31) 2021903327 (32) 18.10.21 (33) AU  
(43) 04.05.2023  
(72) WORRALL, Simon Ross  
(74) Spruson & Ferguson

(71) EdiGene Therapeutics (Beijing) Inc.; Peking University  
(11) AU-A-2023202184  
(21) 2023202184 (22) 11.04.2023  
(54) Methods and Compositions for Editing RNAs  
(51) Int. Cl.  
**C12N 15/113** ( 2010.01 )  
**A61K 31/712** ( 2006.01 )  
**C12N 15/10** ( 2006.01 )  
**C12N 15/11** ( 2006.01 )  
(43) 04.05.2023  
(62) 2019357450  
(72) Wei, Wensheng; Qu, Liang; Yi, Zongyi; Zhu, Shiyong; Wang, Chunhui; Cao, Zhongzheng; Zhou, Zhuo; Yuan, Peng-fei  
(74) PHILLIPS ORMONDE FITZPATRICK

(71) Elanco US Inc.  
(11) AU-A-2023202080  
(21) 2023202080 (22) 04.04.2023  
(54) Microbial treatment  
(51) Int. Cl.  
**A23K 50/75** ( 2016.01 )  
**A23L 33/135** ( 2016.01 )  
(43) 04.05.2023  
(62) 2020226659  
(72) COX, Anna-Leigh Juliette Mary  
(74) Spruson & Ferguson



Applications Open to Public Inspection - Name Index cont'd

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(71) Elspec Engineering Ltd.  
 (11) AU-A-2022252789  
 (21) 2022252789 (22) 13.10.2022  
 (54) Electrical parameter monitoring  
 (51) Int. Cl.  
     G01R 31/00 ( 2006.01 )  
     G01R 13/02 ( 2006.01 )  
     G01R 19/25 ( 2006.01 )  
     G01R 21/00 ( 2006.01 )  
     H02J 3/00 ( 2006.01 )  
 (31) 17/503,265 (32) 16.10.21 (33) US  
 (43) 04.05.2023  
 (72) HARARY, Yoram; HARARY, Oren;  
 HARARI, Nadav; LAIFER, Asaf  
 (74) Spruson & Ferguson

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(71) ENDACE TECHNOLOGY LIMITED  
 (11) AU-A-2023202152  
 (21) 2023202152 (22) 06.04.2023  
 (54) METHOD AND SYSTEM FOR DISTRIBUTING CLOCK SIGNALS  
 (51) Int. Cl.  
     H04B 7/00 ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2021200568  
 (72) GREENWOOD GRAHAM, Ian David  
 (74) AJ PARK

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(71) Equifax Inc.  
 (11) AU-A-2022256086  
 (21) 2022256086 (22) 17.10.2022  
 (54) Bias detection and reduction in machine-learning techniques  
 (51) Int. Cl.  
     G06N 5/02 ( 2006.01 )  
     G06N 7/00 ( 2006.01 )  
     G06N 20/00 ( 2019.01 )  
     G06Q 10/06 ( 2012.01 )  
 (31) 63/262,616 (32) 15.10.21 (33) US  
 (43) 04.05.2023  
 (72) ZOU, Mufeng; VEERAVELLY, Swathi;  
 BRUHN, Marcus  
 (74) FB Rice Pty Ltd

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(71) ESCO Group LLC  
 (11) AU-A-2023201958  
 (21) 2023201958 (22) 30.03.2023  
 (54) Wear assembly removal and installation  
 (51) Int. Cl.  
     E02F 3/96 ( 2006.01 )  
     E02F 3/36 ( 2006.01 )  
     E02F 9/28 ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2021202483  
 (72) Clarke, Rod; Carpenter, Ryan J.; Cowgill, Noah; Finley, Taylor M.; Blomberg, Joseph E.; Carpenter, Christopher M.; Bewley, Eric L.  
 (74) Minter Ellison

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(71) ExxonMobil Upstream Research Company (EMHC-N1-4A-607)  
 (11) AU-A-2023202254  
 (21) 2023202254 (22) 12.04.2023

(54) Methods and systems for monitoring and optimizing reservoir stimulation operations  
 (51) Int. Cl.  
     E21B 43/12 ( 2006.01 )  
     E21B 43/11 ( 2006.01 )  
     E21B 43/26 ( 2006.01 )  
     E21B 47/01 ( 2012.01 )  
     E21B 47/10 ( 2012.01 )  
     G01V 1/28 ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2022201376  
 (72) YI, Xiaohua; DISKO, Mark M.; SONG, Limin; HOWELL, David A.  
 (74) ALLENS PATENT & TRADE MARK ATTORNEYS

---

(71) Fisher & Paykel Healthcare Limited  
 (11) AU-A-2023201885  
 (21) 2023201885 (22) 28.03.2023  
 (54) PATIENT INTERFACES  
 (51) Int. Cl.  
     A61M 16/06 ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2017339844  
 (72) Patel, Roheet; Cox, Michael John Henri; Betteridge, Max Leon; Walls, Bruce Michael; Leahy, Ronan; Pedersen, Matthew James; Lim, Jae Yun  
 (74) AJ PARK

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(71) Fisher & Paykel Healthcare Limited  
 (11) AU-A-2023202009  
 (21) 2023202009 (22) 31.03.2023  
 (54) Headgear assembly  
 (51) Int. Cl.  
     A61M 11/00 ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2021204789  
 (72) Freestone, Paul Mathew; Bornholdt, Melissa Catherine; Stephenson, Matthew Roger; Hocking, Jake Baker; Walls, Bruce Michael; Hipolito, Chris Onin Limpin; Sng, Jonathan Tong Lok; Farrow, Abby Rebecca  
 (74) AJ PARK

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(71) Fisher & Paykel Healthcare Limited  
 (11) AU-A-2023202131  
 (21) 2023202131 (22) 06.04.2023  
 (54) A Yoke for Headgear  
 (51) Int. Cl.  
     A61M 16/06 ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2017335131  
 (72) Hocking, Jake Baker; Pereira, Priyanka Ferdinand; Walls, Bruce Michael  
 (74) Catalyst Intellectual Property

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(71) FISHER & PAYKEL HEALTHCARE LIMITED  
 (11) AU-A-2023201905  
 (21) 2023201905 (22) 29.03.2023  
 (54) PATIENT INTERFACE AND ASPECTS THEREOF  
 (51) Int. Cl.  
     A61M 16/06 ( 2006.01 )

(43) 04.05.2023  
 (62) 2021273595  
 (72) ALLAN, Olivia Marie; GARDIOLA, Arvin San Jose; HUANG, Wen Dong; MCAULEY, Alastair Edwin; MCLAREN, Mark; PRENTICE, Craig Robert; SALMON, Andrew Paul Maxwell; SIEW, Silas Sao Jin  
 (74) AJ PARK

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(71) FLEXXON PTE LTD  
 (11) AU-A-2023201855  
 (21) 2023201855 (22) 25.03.2023  
 (54) Module and method for authenticating data transfer between a storage device and a host device  
 (51) Int. Cl.  
     G06F 21/60 ( 2013.01 )  
     H04L 9/00 ( 2022.01 )  
 (43) 04.05.2023  
 (62) 2022200588  
 (72) CHAN, MEI LING; BOUGUERRA, NIZAR  
 (74) Warren Wong

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(71) Fragranzi Limited  
 (11) AU-A-2021250939  
 (21) 2021250939 (22) 15.10.2021  
 (54) Fragrance Manufacture and Screening Techniques  
 (51) Int. Cl.  
     B01F 33/841 ( 2022.01 )  
     A61L 9/12 ( 2006.01 )  
     B01F 33/501 ( 2022.01 )  
     B01F 35/21 ( 2022.01 )  
     B01F 101/21 ( 2022.01 )  
 (43) 04.05.2023  
 (72) Fee, Conan  
 (74) CreatelP

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(71) Freudenberg Medical, LLC  
 (11) AU-A-2022235547  
 (21) 2022235547 (22) 20.09.2022  
 (54) Epistaxis clip  
 (51) Int. Cl.  
     A61F 13/15 ( 2006.01 )  
     A61F 13/505 ( 2006.01 )  
     A61F 13/53 ( 2006.01 )  
     A61F 13/56 ( 2006.01 )  
 (31) 17/502,042 (32) 15.10.21 (33) US  
 (43) 04.05.2023  
 (72) STARKWEATHER, Jennifer; SUBRAMANYA, Tejasvi  
 (74) Spruson & Ferguson

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(71) Freudenberg Medical, LLC  
 (11) AU-A-2022256095  
 (21) 2022256095 (22) 18.10.2022  
 (54) Voice prosthesis with umbrella valve  
 (51) Int. Cl.  
     A61F 2/20 ( 2006.01 )  
 (31) 63/257,324 (32) 19.10.21 (33) US  
     63/257,334 19.10.21 US  
     17/964,392 12.10.22 US

Applications Open to Public Inspection - Name Index cont'd

(43) 04.05.2023  
 (72) GLEN, Kevin Alan; KONDA, Manoj Reddy  
 (74) Spruson & Ferguson

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(71) Futurecom Systems Group, ULC  
 (11) AU-A-2021266228  
 (21) 2021266228 (22) 09.11.2021  
 (54) Self-diagnostic system and method for a transceiver  
 (51) Int. Cl.  
*H04B 17/00* ( 2015.01 )  
*H04B 1/38* ( 2015.01 )  
*H04B 3/46* ( 2015.01 )  
*H04W 24/02* ( 2009.01 )  
*H04W 24/04* ( 2009.01 )  
*H04W 88/18* ( 2009.01 )  
 (31) 17/503,745 (32) 18.10.21 (33) US  
 (43) 04.05.2023  
 (72) GOSTYUZHEV, Sergey  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) GALERA LABS, LLC  
 (11) AU-A-2023201978  
 (21) 2023201978 (22) 31.03.2023  
 (54) METHODS FOR TREATMENT OF DISEASES  
 (51) Int. Cl.  
*C07F 13/00* ( 2006.01 )  
*A61K 33/32* ( 2006.01 )  
*A61P 29/00* ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2020244613  
 (72) KEENE, Jeffery L.; RILEY, Dennis P.; BEARDSLEY, Robert A.  
 (74) Oxygene IP

(71) GAPMED LIMITED; AD MAIORA LLC  
 (11) AU-A-2023201947  
 (21) 2023201947 (22) 30.03.2023  
 (54) EXOTHERMIC TRANSMUTATION METHOD  
 (51) Int. Cl.  
*G21G 1/10* ( 2006.01 )  
*G21F 9/00* ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2021200932  
 (72) DE BELLIS, Giuseppe  
 (74) AJ PARK

(71) Garock Pty Ltd  
 (11) AU-A-2023202198  
 (21) 2023202198 (22) 11.04.2023  
 (54) Rock Bolt  
 (51) Int. Cl.  
*E21D 21/00* ( 2006.01 )  
*E21D 20/00* ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2021203871  
 (72) ALINGTON, Adrian; MALTBY, David  
 (74) WRAYS PTY LTD

(71) Gatekeeper Systems, Inc.  
 (11) AU-A-2023201924  
 (21) 2023201924 (22) 29.03.2023

(54) Shopping basket monitoring using computer vision and machine learning  
 (51) Int. Cl.  
*B62B 5/04* ( 2006.01 )  
*G08B 13/00* ( 2006.01 )  
*G08B 13/196* ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2019335011  
 (72) RAMANATHAN, Narayanan V.; CARTER, Scott J.; HANNAH, Stephen E.; JAMES, Jesse M.; JOHNSON, Jack L.; HARLING, Robert M.  
 (74) Davies Collison Cave Pty Ltd

(71) Gen-Probe Incorporated  
 (11) AU-A-2023201805  
 (21) 2023201805 (22) 22.03.2023  
 (54) Blood cell lysis reagent  
 (51) Int. Cl.  
*C12N 15/10* ( 2006.01 )  
*C12Q 1/68* ( 2018.01 )  
*G01N 33/50* ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2017257978  
 (72) GAO, Kui; CHELLISERRY, Jijumon; LINNEN, Jeffrey  
 (74) FB Rice Pty Ltd

GeoQuest Systems B.V. see Chevron U.S.A Inc.  
 (21) 2022252835

(71) GeoRoc International, Inc.  
 (11) AU-A-2023202069  
 (21) 2023202069 (22) 04.04.2023  
 (54) PROCESS FOR TREATING FLUID WASTES  
 (51) Int. Cl.  
*G21F 9/16* ( 2006.01 )  
*G21F 9/30* ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2018205528  
 (72) Heath, Paul George; Moricca, Salvatore; Stewart, Martin William Alexander  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

(71) GIANT MANUFACTURING CO., LTD.  
 (11) AU-A-2022252844  
 (21) 2022252844 (22) 14.10.2022  
 (54) BICYCLE CONTROL DEVICE  
 (51) Int. Cl.  
*B62K 23/06* ( 2006.01 )  
*B62M 25/04* ( 2006.01 )  
 (31) 110212194 (32) 15.10.21 (33) TW  
 (43) 04.05.2023  
 (72) CHUANG, Cheng-Ru  
 (74) Churchill Attorneys

(71) Global Payment Technologies Australia  
 (11) AU-A-2023202220  
 (21) 2023202220 (22) 11.04.2023  
 (54) Remote management of a bill validator for a gaming machine  
 (51) Int. Cl.

*G07F 17/34* ( 2006.01 )  
*G06F 17/50* ( 2006.01 )  
*G07F 7/04* ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2021200623  
 (72) Soussa, Andre; Engel, Geoff  
 (74) Spruson & Ferguson

(71) Global Tel\*Link Corporation  
 (11) AU-A-2023202148  
 (21) 2023202148 (22) 06.04.2023  
 (54) System and method for integration of telemedicine into multimedia video visitation systems in correctional facilities  
 (51) Int. Cl.  
*G06Q 10/10* ( 2023.01 )  
 (43) 04.05.2023  
 (62) 2017262755  
 (72) Hodge, Stephen  
 (74) Davies Collison Cave Pty Ltd

(71) Goldfinch Bio, Inc.  
 (11) AU-A-2023202125  
 (21) 2023202125 (22) 05.04.2023  
 (54) Pyridazinones and methods of use thereof  
 (51) Int. Cl.  
*C07D 237/16* ( 2006.01 )  
*A61K 31/50* ( 2006.01 )  
*C07D 237/22* ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2018334290  
 (72) YU, Maolin; DANIELS, Matthew H.; HARMANGE, Jean-christophe P.; TIBBITTS, Thomas T.; LEDEBOER, Mark W.; WALSH, Liron; MUNDEL, Peter H.; MALOJCIC, Goran  
 (74) Spruson & Ferguson

(71) Google LLC  
 (11) AU-A-2023201871  
 (21) 2023201871 (22) 27.03.2023  
 (54) AUTOMATED ASSISTANT FOR GENERATING, IN RESPONSE TO A REQUEST FROM A USER, APPLICATION INPUT CONTENT USING APPLICATION DATA FROM OTHER SOURCES  
 (51) Int. Cl.

*G06F 3/16* ( 2006.01 )  
*G06F 9/54* ( 2006.01 )  
*G06F 16/338* ( 2019.01 )  
*G10L 15/26* ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2019444436  
 (72) VLASYUK, Bohdan; BEHZADI, Behshad; BERTSCHLER, Mario; BURAKOV, Denis; COTTING, Daniel; GOLIKOV, Michael; MIRELMANN, Lucas; CHENG, Steve; NAZAROV, Sergey; SABUR, Zaheed; LEE, Jonathan; TERRENGHI, Lucia; ZUMBRUNNEN, Adrian  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

Applications Open to Public Inspection - Name Index cont'd

- (71) Google LLC  
 (11) AU-A-2023202260  
 (21) 2023202260 (22) 12.04.2023  
 (54) DYNAMIC CARRIER SUBBAND OPERATION FOR ACTIVE COORDINATION SETS  
 (51) Int. Cl.  
*H04W 72/04* ( 2023.01 )  
*H04B 7/024* ( 2017.01 )  
*H04W 36/00* ( 2009.01 )  
*H04W 76/15* ( 2018.01 )  
 (43) 04.05.2023  
 (62) 2020216095  
 (72) WANG, Jibing; STAUFFER, Erik Richard  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
- 
- (71) Grabango Co.  
 (11) AU-A-2023202100  
 (21) 2023202100 (22) 05.04.2023  
 (54) Linking observed human activity on video to a user account  
 (51) Int. Cl.  
*G06K 9/00* ( 2022.01 )  
 (43) 04.05.2023  
 (62) 2018289552  
 (72) Glaser, William; Osdol, Brian Van  
 (74) Spruson & Ferguson
- 
- (71) Graco Minnesota Inc.  
 (11) AU-A-2022256133  
 (21) 2022256133 (22) 19.10.2022  
 (54) Ground marking bead flow sensor  
 (51) Int. Cl.  
*B05B 7/14* ( 2006.01 )  
*B05B 12/00* ( 2018.01 )  
*B05B 13/00* ( 2006.01 )  
*E01C 23/22* ( 2006.01 )  
 (31) 63/257,936 (32) 20.10.21 (33) US  
 (43) 04.05.2023  
 (72) ROHLING, Daniel D.; SCHROEDER, James C.  
 (74) Spruson & Ferguson
- 
- (71) Grand Performance Online Pty Ltd  
 (11) AU-A-2023201980  
 (21) 2023201980 (22) 31.03.2023  
 (54) A computer-enabled method, system and computer program for monitoring a plurality of gaming machines and other games of chance, and providing a booking and monitoring service for gaming enthusiasts and gaming venues  
 (51) Int. Cl.  
*G07F 17/32* ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2021201204  
 (72) Petroulas, Peter  
 (74) Spruson & Ferguson
- 
- (71) Grand Performance Online Pty Ltd  
 (11) AU-A-2023202000  
 (21) 2023202000 (22) 31.03.2023  
 (54) Autonomous and integrated system, method and computer program for dynamic optimisation and allocation of resources for defined spaces and time periods  
 (51) Int. Cl.  
*G06Q 50/12* ( 2012.01 )  
*G06Q 10/02* ( 2012.01 )  
*G06Q 10/04* ( 2023.01 )  
*G06Q 10/08* ( 2023.01 )  
 (43) 04.05.2023  
 (62) 2021201657  
 (72) Petroulas, Peter  
 (74) Spruson & Ferguson
- 
- (71) Grid Edge Limited  
 (11) AU-A-2023201943  
 (21) 2023201943 (22) 30.03.2023  
 (54) Energy Management System  
 (51) Int. Cl.  
*H02J 3/32* ( 2006.01 )  
*H02J 3/00* ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2018258025  
 (72) Anderson, Thomas; Scott, James; Wright, Daniel  
 (74) Sandercock & Cowie
- 
- (71) Haleem, S.  
 (11) AU-A-2023202173  
 (21) 2023202173 (22) 10.04.2023  
 (54) SURGICAL INSTRUMENT FOR EXCISING TISSUE  
 (51) Int. Cl.  
*A61B 17/16* ( 2006.01 )  
*A61B 10/02* ( 2006.01 )  
*A61B 17/29* ( 2006.01 )  
*A61B 17/32* ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2020294338  
 (72) Haleem, Shahnawaz  
 (74) Morcom Pernat
- 
- (71) Halliburton Energy Services, Inc.  
 (11) AU-A-2023201934  
 (21) 2023201934 (22) 30.03.2023  
 (54) HYDRAULICALLY ASSISTED SHEAR BOLT  
 (51) Int. Cl.  
*E21B 7/06* ( 2006.01 )  
*E21B 34/06* ( 2006.01 )  
*F16B 31/02* ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2016433796  
 (72) Jelly, Christian Alexander; Benson, Cole Alexander  
 (74) PHILLIPS ORMONDE FITZPATRICK
- 
- (71) Hayes, C.  
 (11) AU-A-2023201957  
 (21) 2023201957 (22) 30.03.2023  
 (54) Brick  
 (51) Int. Cl.  
*B29C 39/02* ( 2006.01 )  
*B29C 67/00* ( 2017.01 )  
*E04C 1/39* ( 2006.01 )  
*E04H 4/00* ( 2006.01 )
- 
- (71) HemoCept Inc.  
 (11) AU-A-2023202053  
 (21) 2023202053 (22) 04.04.2023  
 (54) SYSTEM AND METHOD OF MEASURING VENOUS OXYGEN SATURATION USING INTELLIGENT PULSE AVERAGING WITH INTEGRATED EKG AND PPG SENSORS  
 (51) Int. Cl.  
*A61B 5/021* ( 2006.01 )  
*A61B 5/1455* ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2021255871  
 (72) Raman, Eric; Peterson, Kevin; Hueton, Iain  
 (74) PHILLIPS ORMONDE FITZPATRICK
- 
- (71) Hexamer Therapeutics, Inc.  
 (11) AU-A-2023202175  
 (21) 2023202175 (22) 11.04.2023  
 (54) Self-assembling peptide scaffold  
 (51) Int. Cl.  
*A61K 38/17* ( 2006.01 )  
*A61P 31/00* ( 2006.01 )  
*A61P 33/00* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
*A61P 37/02* ( 2006.01 )  
*A61P 37/04* ( 2006.01 )  
*C07K 19/00* ( 2006.01 )  
*C12N 15/62* ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2019300038  
 (72) Miller, Keith Douglas  
 (74) FPA Patent Attorneys Pty Ltd
- 
- (71) Hip Innovation Technology, LLC  
 (11) AU-A-2023202032  
 (21) 2023202032 (22) 03.04.2023  
 (54) SURGICAL TRAYS, INSTRUMENTS AND METHODS FOR IMPLANTING A HIP REPLACEMENT PROSTHESIS  
 (51) Int. Cl.  
*A61F 2/34* ( 2006.01 )  
*A61F 2/36* ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2021269355  
 (72) Termanini, Zafer; Macdonald, Steven; Vanhiel, Brian; Davis, Taylor  
 (74) PHILLIPS ORMONDE FITZPATRICK
- 
- (71) Huawei Technologies Co., Ltd.  
 (11) AU-A-2023201988  
 (21) 2023201988 (22) 31.03.2023  
 (54) AN ENCODER, A DECODER AND CORRESPONDING METHODS USING A PALETTE CODING  
 (51) Int. Cl.  
*H04N 19/96* ( 2014.01 )

Applications Open to Public Inspection - Name Index cont'd

(43) 04.05.2023  
 (62) 2019332711  
 (72) Chernyak, Roman; Ikonin, Sergey Yurievich; Chen, Jianle  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Huawei Technologies Co., Ltd.  
 (11) AU-A-2023202264  
 (21) 2023202264 (22) 12.04.2023  
 (54) RELATION BETWEEN PARTITION CONSTRAINT ELEMENTS  
 (51) Int. Cl.  
*H04N 19/105* ( 2014.01 )  
*H04N 19/186* ( 2014.01 )  
 (43) 04.05.2023  
 (62) 2019334017  
 (72) Gao, Han; Esenlik, Semih; Chen, Jianle; Kotra, Anand Meher; Wang, Biao; Zhao, Zhijie  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Hytech Power, Inc.  
 (11) AU-A-2023202266  
 (21) 2023202266 (22) 12.04.2023  
 (54) A method of generating and distributing a second fuel for an internal combustion engine  
 (51) Int. Cl.  
*F02B 43/10* ( 2006.01 )  
*F02D 19/02* ( 2006.01 )  
*F02M 21/02* ( 2006.01 )  
*F02M 25/12* ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2017229114  
 (72) Johnson, Evan Charles; Filkins, Adam Anthony; Deming, Herbert Daniel; Dean, Henry White; Jennings, Phillip Edward  
 (74) FB Rice Pty Ltd

(71) ICU Medical, Inc.  
 (11) AU-A-2023201873  
 (21) 2023201873 (22) 27.03.2023  
 (54) Vial adaptors and vials for regulating pressure  
 (51) Int. Cl.  
*A61J 1/00* ( 2023.01 )  
 (43) 04.05.2023  
 (62) 2021202662  
 (72) Lindsay, Mark D.; Lopez, Dan; Woods, Jeffrey R.; Warren, Dee E.; Fangrow, Thomas F.; Seifert, John M.  
 (74) Davies Collison Cave Pty Ltd

(71) Illinois Tool Works Inc.  
 (11) AU-A-2023202239  
 (21) 2023202239 (22) 12.04.2023  
 (54) Method and apparatus for applying a corrosion-resistant coating to fasteners  
 (51) Int. Cl.  
*C23C 2/06* ( 2006.01 )  
*B05C 5/02* ( 2006.01 )  
*B05C 9/14* ( 2006.01 )  
*B21G 3/00* ( 2006.01 )  
*B21G 5/00* ( 2006.01 )  
*C23C 2/26* ( 2006.01 )  
*C23C 4/02* ( 2006.01 )

*C23C 4/073* ( 2016.01 )  
*C23C 4/08* ( 2016.01 )  
*C23C 4/131* ( 2016.01 )  
*C23C 4/18* ( 2006.01 )  
*C25D 3/22* ( 2006.01 )  
*C25D 7/00* ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2017301641  
 (72) Horst, Christopher A.; Bergstrom, Donald E.; Bertelsen, Johnny; Andersen, Signe Tolberg; Sørensen, Flemming  
 (74) Davies Collison Cave Pty Ltd

(71) Illumina, Inc.  
 (11) AU-A-2023201867  
 (21) 2023201867 (22) 27.03.2023  
 (54) Polynucleotide Amplification Using CRISPR-Cas Systems  
 (51) Int. Cl.  
*C12Q 1/68* ( 2018.01 )  
*C12N 15/10* ( 2006.01 )  
*C12N 15/63* ( 2006.01 )  
*C12N 15/90* ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2021204700  
 (72) MANDELL, Jeffrey G.  
 (74) WRAYS PTY LTD

(71) I-Mei Foods Co., Ltd.; Kao, C.  
 (11) AU-A-2021254580  
 (21) 2021254580 (22) 20.10.2021  
 (54) Method for isolating curcuminoids from turmeric rhizome  
 (51) Int. Cl.  
*A61K 36/9066* ( 2006.01 )  
*A61K 31/12* ( 2006.01 )  
 (43) 04.05.2023  
 (72) Wong, Ken-Pei; Tsai, Ya-Chi  
 (74) Spruson & Ferguson

(71) Immatics Biotechnologies GmbH  
 (11) AU-A-2023201933  
 (21) 2023201933 (22) 30.03.2023  
 (54) NOVEL PEPTIDES AND COMBINATION OF PEPTIDES FOR USE IN IMMUNOTHERAPY AGAINST VARIOUS TUMORS  
 (51) Int. Cl.  
*C07K 14/47* ( 2006.01 )  
*A61K 39/00* ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2021204080  
 (72) Mahr, Andrea; Stevermann, Lea; Weinschenk, Toni; Schoor, Oliver; Fritsche, Jens; Singh, Harpreet  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) ImmuneBiotech Medical Sweden AB  
 (11) AU-A-2023201997  
 (21) 2023201997 (22) 31.03.2023  
 (54) Composition And Method For Treatment And Prophylaxis Of Intestinal Infection And Inflammation  
 (51) Int. Cl.  
*A61K 35/747* ( 2015.01 )  
*C12N 1/20* ( 2006.01 )  
*A61P 1/00* ( 2006.01 )

*C12R 1/225* ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2016312870  
 (72) Aghaibeik-Lavasani, Shahram; Nouri, Mehrnaz  
 (74) WRAYS PTY LTD

(71) ImmunoGen, Inc.  
 (11) AU-A-2023202221  
 (21) 2023202221 (22) 11.04.2023  
 (54) Methods of preparing cytotoxic benzodiazepine derivatives  
 (51) Int. Cl.  
*C07D 487/04* ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2021203148  
 (72) Gerard, Baudouin; Shizuka, Manami; Miller, Michael Louis; Silva, Richard A.  
 (74) Davies Collison Cave Pty Ltd

(71) Impulse Downhole Solutions Ltd.  
 (11) AU-A-2023201910  
 (21) 2023201910 (22) 29.03.2023  
 (54) FLOW-THROUGH PULSING ASSEMBLY FOR USE IN DOWNHOLE OPERATIONS  
 (51) Int. Cl.  
*E21B 7/24* ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2017292912  
 (72) Lorensen, Troy; Leroux, Kevin; Parenteau, Dwayne; Kinsella, Douglas  
 (74) Collison & Co

(71) Industriale Chimica S.r.l.  
 (11) AU-A-2023202251  
 (21) 2023202251 (22) 12.04.2023  
 (54) Process for preparing (15 $\alpha$ ,16 $\alpha$ ,17 $\beta$ )-Estra-1,3,5(10)-Triene-3,15,16,17-Tetrol Monohydrate (Estetrol Monohydrate)  
 (51) Int. Cl.  
*C07J 1/00* ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2020355615  
 (72) LENNA, Roberto; FASANA, Andrea; LUCENTINI, Riccardo  
 (74) Spruson & Ferguson

(71) Inovio Pharmaceuticals, Inc.  
 (11) AU-A-2023202108  
 (21) 2023202108 (22) 05.04.2023  
 (54) Method and device for minimally invasive in vivo transfection of adipose tissue using electroporation  
 (51) Int. Cl.  
*A61N 1/18* ( 2006.01 )  
*A61N 1/32* ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2020250317  
 (72) FISHER, Paul; BRODERICK, Kate; MCCOY, Jay  
 (74) FB Rice Pty Ltd

(71) Intrabio Limited  
 (11) AU-A-2023202121  
 (21) 2023202121 (22) 05.04.2023

Applications Open to Public Inspection - Name Index cont'd

(54) Therapeutic agents for neurodegenerative diseases  
 (51) Int. Cl.  
**A61K 31/13** ( 2006.01 )  
**A61P 25/00** ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2017308865  
 (72) Strupp, Michael  
 (74) Spruson & Ferguson

(71) Intuit Inc.  
 (11) AU-A-2022204425  
 (21) 2022204425 (22) 23.06.2022  
 (54) Extracting key value pairs using positional coordinates  
 (51) Int. Cl.  
**G06V 30/41** ( 2022.01 )  
**G06F 16/93** ( 2019.01 )  
**G06F 40/284** ( 2020.01 )  
**G06V 10/70** ( 2022.01 )  
 (31) 17/504,339 (32) 18.10.21 (33) US  
 (43) 04.05.2023  
 (72) DE PEUTER, Conrad  
 (74) Davies Collison Cave Pty Ltd

(71) Intuit Inc.  
 (11) AU-A-2023202204  
 (21) 2023202204 (22) 11.04.2023  
 (54) Auto-pilot transactions using smart contracts  
 (51) Int. Cl.  
**G06Q 20/38** ( 2012.01 )  
**G06Q 20/06** ( 2012.01 )  
**G06Q 20/40** ( 2012.01 )  
**H04L 9/32** ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2019449460  
 (72) SHAH, Manish Ramesh; SHARMA, Aminish; KALLEPALLI, Goutham; MISHRA, Ashish Kumar  
 (74) Davies Collison Cave Pty Ltd

(71) INX Software Pty Ltd  
 (11) AU-A-2023202149  
 (21) 2023202149 (22) 06.04.2023  
 (54) TRAVEL ROSTERING TOOL, SYSTEM AND METHOD  
 (51) Int. Cl.  
**G06Q 10/02** ( 2012.01 )  
**G06Q 50/00** ( 2012.01 )  
 (43) 04.05.2023  
 (62) 2021202529  
 (72) Back, Garry Robert; De Vos, Vaughan Gerard  
 (74) Griffith Hack

(71) Ito Therapeutics, Inc  
 (11) AU-A-2023201963  
 (21) 2023201963 (22) 30.03.2023  
 (54) COMPOUNDS AND SYNTHETIC METHODS FOR THE PREPARATION OF RETINOID X RECEPTOR-SPECIFIC RETINOIDS  
 (51) Int. Cl.  
**A61K 36/00** ( 2006.01 )  
**A61K 8/365** ( 2006.01 )  
**A61K 8/67** ( 2006.01 )

(43) 04.05.2023  
 (62) 2021202348  
 (72) CHANDRARATNA, Roshantha A.; VULIGONDA, Vidyasagar Pradeep; JACKS, Thomas; WADE, Peter; THOMPSON, Andrew  
 (74) RNB IP PTY LTD

(71) Jesari, M.  
 (11) AU-A-2022246441  
 (21) 2022246441 (22) 06.10.2022  
 (54) CHARCOAL BARBECUE  
 (51) Int. Cl.  
**A47J 37/07** ( 2006.01 )  
**A47J 33/00** ( 2006.01 )  
**F24B 13/00** ( 2006.01 )  
 (31) 102021000026540 (32) 15.10.21 (33) IT  
 (43) 04.05.2023  
 (72) Jesari, Mario  
 (74) Golja Haines & Friend

(71) Joy Global Underground Mining LLC  
 (11) AU-A-2023202048  
 (21) 2023202048 (22) 04.04.2023  
 (54) Cutting device with wear elements  
 (51) Int. Cl.  
**B28D 1/12** ( 2006.01 )  
**E21C 25/00** ( 2006.01 )  
**E21C 25/06** ( 2006.01 )  
**E21C 25/16** ( 2006.01 )  
**E21C 25/18** ( 2006.01 )  
**E21C 27/24** ( 2006.01 )  
**E21C 35/00** ( 2006.01 )  
**E21C 35/24** ( 2006.01 )  
**E21D 9/10** ( 2006.01 )  
**E21D 9/11** ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2017271618  
 (72) De Sousa, Joaquim Antonio Soares; Laing, Michael  
 (74) Griffith Hack

(71) Joy Global Underground Mining LLC  
 (11) AU-A-2023202226  
 (21) 2023202226 (22) 11.04.2023  
 (54) ROCK CUTTING DEVICE  
 (51) Int. Cl.  
**E21B 7/20** ( 2006.01 )  
**E21C 25/00** ( 2006.01 )  
**E21C 25/10** ( 2006.01 )  
**E21C 25/16** ( 2006.01 )  
**E21C 27/00** ( 2006.01 )  
**E21C 31/00** ( 2006.01 )  
**E21D 9/00** ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2017330397  
 (72) Lugg, Peter A.; Keech, Geoffrey W.  
 (74) Griffith Hack

(71) Joy Global Underground Mining LLC  
 (11) AU-A-2023202228  
 (21) 2023202228 (22) 11.04.2023  
 (54) MACHINE SUPPORTING ROCK CUTTING DEVICE  
 (51) Int. Cl.  
**E21C 27/10** ( 2006.01 )  
**E21C 27/12** ( 2006.01 )

**E21C 27/14** ( 2006.01 )  
**E21C 27/16** ( 2006.01 )  
**E21C 27/20** ( 2006.01 )  
**E21C 27/22** ( 2006.01 )  
**E21C 27/24** ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2017330401  
 (72) Lugg, Peter A.; Keech, Geoffrey W.; Reeves, Stuart; Daher, Nagy  
 (74) Griffith Hack

**Kao, C. see I-Mei Foods Co., Ltd.**  
 (21) 2021254580

(71) Kim, H.  
 (11) AU-A-2023202230  
 (21) 2023202230 (22) 11.04.2023  
 (54) BIODEGRADABLE, CURABLE COMPOSITION AND STRUCTURE USING THE SAME  
 (51) Int. Cl.  
**B65D 65/46** ( 2006.01 )  
**A23J 1/02** ( 2006.01 )  
**A23J 3/04** ( 2006.01 )  
**A23J 3/06** ( 2006.01 )  
**C08B 37/00** ( 2006.01 )  
**C08B 37/12** ( 2006.01 )  
**C08J 3/24** ( 2006.01 )  
**C08L 89/00** ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2021202411  
 (72) Kim, Ho  
 (74) Acacia Law

(71) Koninklijke Philips N.V.  
 (11) AU-A-2023202212  
 (21) 2023202212 (22) 11.04.2023  
 (54) A light emitting arrangement for anti-fouling of a protected surface  
 (51) Int. Cl.  
**B08B 17/02** ( 2006.01 )  
**B63B 59/04** ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2017301848  
 (72) CORNELISSEN, Hugo Johan; SALTERS, Bart Andre; HIETBRINK, Roelant Boudewijn  
 (74) FB Rice Pty Ltd

(71) Kumiai Chemical Industry Co., Ltd.  
 (11) AU-A-2023201945  
 (21) 2023201945 (22) 30.03.2023  
 (54) Process for producing herbicide and intermediate thereof  
 (51) Int. Cl.  
**C07D 413/12** ( 2006.01 )  
**C07B 61/00** ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2020300922  
 (72) UCHIDA, Yukio; ATSUMI, Naoya; TANI, Shinki; OKADA, Koji; MURAI, Yuta; CAOIMHIN, Arnott  
 (74) ALLENS PATENT & TRADE MARK ATTORNEYS

Applications Open to Public Inspection - Name Index cont'd

(71) Kunming Tekang Technology Co., Ltd;  
Zhejiang Yunjie Technology Co., Ltd.  
(11) AU-A-2023202258  
(21) 2023202258 (22) 12.04.2023  
(54) FAN MILL  
(51) Int. Cl.  
**B02C 23/18** ( 2006.01 )  
(43) 04.05.2023  
(62) 2019344870  
(72) JIA, Ping; CUI, Xiuming; ZENG, Yawen;  
SHE, Yongxin  
(74) Madderns Pty Ltd

(71) LG Electronics Inc.  
(11) AU-A-2023202223  
(21) 2023202223 (22) 11.04.2023  
(54) Ice maker and refrigerator  
(51) Int. Cl.  
**F25C 1/24** ( 2018.01 )  
**F25C 1/25** ( 2018.01 )  
**F25D 23/12** ( 2006.01 )  
(43) 04.05.2023  
(62) 2019380200  
(72) KIM, Yonghyun; HONG, Jinil  
(74) FB Rice Pty Ltd

(71) LG Electronics Inc.  
(11) AU-A-2023202252  
(21) 2023202252 (22) 12.04.2023  
(54) Ice maker and refrigerator  
(51) Int. Cl.  
**F25C 1/24** ( 2018.01 )  
**F25C 1/18** ( 2006.01 )  
**F25C 1/25** ( 2018.01 )  
**F25C 5/08** ( 2006.01 )  
(43) 04.05.2023  
(62) 2019384866  
(72) KIM, Yonghyun; HONG, Jinil  
(74) FB Rice Pty Ltd

(71) Libertas Bio, Inc.  
(11) AU-A-2023202157  
(21) 2023202157 (22) 06.04.2023  
(54) AMINOINDANE COMPOUNDS AND  
USE THEREOF IN TREATING PAIN  
(51) Int. Cl.  
**C07D 207/09** ( 2006.01 )  
**A61K 31/452** ( 2006.01 )  
**A61P 23/02** ( 2006.01 )  
**A61P 29/02** ( 2006.01 )  
**C07D 211/26** ( 2006.01 )  
**C07D 401/12** ( 2006.01 )  
**C07D 405/12** ( 2006.01 )  
**C07D 417/12** ( 2006.01 )  
**C07D 471/10** ( 2006.01 )  
**C07D 498/10** ( 2006.01 )  
(43) 04.05.2023  
(62) 2020277232  
(72) Thompson, Scott Kevin; Priestley, Tony;  
Smith, Roger Astbury; Saha, Ashis K.;  
Rudra, Sonali; Hajra, Arun Kuma; Chat-  
terjee, Dipanwita; Behrens, Carl Henry;  
He, Yigang; Li, Hui-Yin  
(74) PHILLIPS ORMONDE FITZPATRICK

(71) Lion Group, Inc.  
(11) AU-A-2023202143

(21) 2023202143 (22) 06.04.2023  
(54) Fire fighting training system with steam/  
smoke generation  
(51) Int. Cl.  
**G09B 19/00** ( 2006.01 )  
(43) 04.05.2023  
(62) 2021201416  
(72) BLACKBURN, John Joseph; GOLD-  
MAN, Daniel A.; LADD, Evan Andrew  
(74) Spruson & Ferguson

(71) LivePerson, Inc.  
(11) AU-A-2023201954  
(21) 2023201954 (22) 30.03.2023  
(54) Dynamic code management  
(51) Int. Cl.  
**G06F 17/00** ( 2019.01 )  
(43) 04.05.2023  
(62) 2021229246  
(72) MILLER, Grant Lawrence; CAMPBELL,  
Marc  
(74) Spruson & Ferguson

(71) LivePerson, Inc.  
(11) AU-A-2023202008  
(21) 2023202008 (22) 31.03.2023  
(54) Systems and methods for communica-  
tion system intent analysis  
(51) Int. Cl.  
**G06F 16/332** ( 2019.01 )  
**G06F 9/451** ( 2018.01 )  
**G06F 40/00** ( 2020.01 )  
(43) 04.05.2023  
(62) 2020290470  
(72) DUNN, Matthew; BRADLEY, Joe; ONU,  
Laura  
(74) Spruson & Ferguson

(71) LivePerson, Inc.  
(11) AU-A-2023202014  
(21) 2023202014 (22) 31.03.2023  
(54) Dynamic message processing and ag-  
gregation of data in messaging  
(51) Int. Cl.  
**H04M 3/42** ( 2006.01 )  
**H04M 3/51** ( 2006.01 )  
**H04M 3/523** ( 2006.01 )  
**H04M 7/00** ( 2006.01 )  
(43) 04.05.2023  
(62) 2020245555  
(72) SALTER, Jeffrey  
(74) Spruson & Ferguson

(71) LOAM BIO PTY LTD  
(11) AU-A-2023202250  
(21) 2023202250 (22) 12.04.2023  
(54) METHODS FOR CARBON CAPTURE  
AND INCREASING YIELD OF PLANTS  
(51) Int. Cl.  
**A01N 63/30** ( 2020.01 )  
**A01H 17/00** ( 2006.01 )  
**A01N 63/02** ( 2006.01 )  
**C05F 11/08** ( 2006.01 )  
(43) 04.05.2023  
(62) 2022283793  
(72) RILEY, Ray; REYES, Andres;  
CHAUDHURY, Abed; SUB-

ASHCHANDRABOSE, Suresh;  
HAQUE, Ahsanul; PURUSHOTHAM,  
Neeraj; SHARMA, Raghvendra; NOCK,  
Tegan; KOROSI, Gyongyver; BRUN-  
ING, Brooke; SCOTT, Grace; LAKSH-  
MANAN, Venkatachalam  
(74) SOUTHERN CROSS INTELLECTUAL  
PROPERTY PTY LTD

Luong, Q. see Real-Time Robotics Inc  
(21) 2022256157

(71) Magic Leap, Inc.  
(11) AU-A-2023201026  
(21) 2023201026 (22) 22.02.2023  
(54) Systems and methods for mixed reality  
(51) Int. Cl.  
**G02B 27/10** ( 2006.01 )  
**G02B 5/18** ( 2006.01 )  
**G02B 6/26** ( 2006.01 )  
**G02B 26/08** ( 2006.01 )  
**G02B 27/42** ( 2006.01 )  
**G06T 19/00** ( 2011.01 )  
(43) 04.05.2023  
(62) 2018270948

(72) Schowengerdt, Brian T.; Watson, Math-  
ew D.; Tinch, David; Yeoh, Ivan Li  
Chuen; Macnamara, John Graham; Ed-  
win, Lionel Ernest; Klug, Michael An-  
thony; Welch, William Hudson  
(74) Davies Collison Cave Pty Ltd

(71) MAKO Surgical Corp.  
(11) AU-A-2023202057  
(21) 2023202057 (22) 04.04.2023  
(54) Surgical registration tools, systems, and  
methods of use in computer-assisted  
surgery  
(51) Int. Cl.  
**A61B 17/00** ( 2006.01 )  
**A61B 17/17** ( 2006.01 )  
**A61B 17/56** ( 2006.01 )  
**A61B 34/20** ( 2016.01 )  
(43) 04.05.2023  
(62) 2020315554  
(72) KAYAL, Jordan; LANSDOWN, Jason;  
SHAUGHNESSY, Kristen; TRIMMER,  
Ken; BRANCH, Eric  
(74) FB Rice Pty Ltd

(71) Manozho, T.  
(11) AU-A-2021290225  
(21) 2021290225 (22) 20.12.2021  
(54) EYCSAR Early Years Children Self As-  
sessment Resource  
(51) Int. Cl.  
**G09B 5/00** ( 2006.01 )  
(31) 2021903322 (32) 18.10.21 (33) AU  
(43) 04.05.2023  
(72) Manozho, Teremayi  
(74) Teremayi Manozho

(71) Marquette University  
(11) AU-A-2023202065  
(21) 2023202065 (22) 04.04.2023  
(54) Catalysts for pyrolysis

Applications Open to Public Inspection - Name Index cont'd

- (43) Int. Cl.  
**C02F 11/10** ( 2006.01 )  
**B01J 21/10** ( 2006.01 )  
**B01J 21/18** ( 2006.01 )  
**B01J 23/70** ( 2006.01 )  
**C10K 3/02** ( 2006.01 )  
**C10L 5/46** ( 2006.01 )
- (43) 04.05.2023  
(62) 2017286813  
(72) Zitomer, Daniel; Liu, Zhongzhe; McNamara, Patrick  
(74) Spruson & Ferguson
- 
- (71) Mastix, LLC  
(11) AU-A-2023202142  
(21) 2023202142 (22) 06.04.2023  
(54) Oral compositions delivering therapeutically effective amounts of cannabinoids
- (51) Int. Cl.  
**A61K 9/68** ( 2006.01 )  
**A61K 9/20** ( 2006.01 )  
**A61K 31/05** ( 2006.01 )  
**A61K 31/352** ( 2006.01 )  
**A61K 36/185** ( 2006.01 )  
**A61P 25/00** ( 2006.01 )  
**A61P 25/06** ( 2006.01 )
- (43) 04.05.2023  
(62) 2017281237  
(72) Estey, Robert; Brisben, William O.  
(74) Pizzeyes Patent and Trade Mark Attorneys Pty Ltd
- 
- (71) Match Group, LLC  
(11) AU-A-2023202189  
(21) 2023202189 (22) 11.04.2023  
(54) SYSTEM AND METHOD FOR MATCHING USING LOCATION INFORMATION
- (51) Int. Cl.  
**H04W 64/00** ( 2009.01 )  
**G08B 1/08** ( 2006.01 )  
**H04W 4/02** ( 2018.01 )  
**H04W 4/021** ( 2018.01 )  
**H04W 4/029** ( 2018.01 )  
**H04W 4/21** ( 2018.01 )
- (43) 04.05.2023  
(62) 2021225871  
(72) BURRELL, Robinne; SCHNEIDER, Anna M.; DUBEY, Sharmistha; DORSETT, Deryl; MILLER, Kyle; STEVENS, Samantha J.; ROSS, David A.; GAFNI, Joshua D.; HENDERSON, Shane  
(74) RnB IP Pty Ltd
- 
- (71) Matheny Enterprises, LLC  
(11) AU-A-2023202046  
(21) 2023202046 (22) 04.04.2023  
(54) BIODEGRADABLE, ACTIVE INGREDIENT-ELUTING STRUCTURAL SUPPORT
- (51) Int. Cl.  
**A61F 5/01** ( 2006.01 )  
**A61F 2/20** ( 2006.01 )  
**A61F 13/02** ( 2006.01 )  
**A61L 27/54** ( 2006.01 )  
**A61L 27/58** ( 2006.01 )
- (43) 04.05.2023  
(62) 2020257142  
(72) Matheny, Keith E.  
(74) Pizzeyes Patent and Trade Mark Attorneys Pty Ltd
- 
- (71) MAX CO., LTD.  
(11) AU-A-2022252830  
(21) 2022252830 (22) 14.10.2022  
(54) BINDING MACHINE
- (51) Int. Cl.  
**B65B 27/10** ( 2006.01 )  
**B21F 15/06** ( 2006.01 )  
**E04G 21/00** ( 2006.01 )
- (31) 2021-171969 (32) 20.10.21 (33) JP  
2022-150824 22.09.22 JP
- (43) 04.05.2023  
(72) MORIJIRI, Takeshi; TASHIMA, Nobutaka; ITAGAKI, Osamu; SUGIHARA, Shinpei  
(74) AJ PARK
- 
- (71) MAX CO., LTD.  
(11) AU-A-2022252841  
(21) 2022252841 (22) 14.10.2022  
(54) BINDING MACHINE
- (51) Int. Cl.  
**E04G 21/12** ( 2006.01 )  
**B21F 15/04** ( 2006.01 )  
**B65B 13/02** ( 2006.01 )  
**B65B 13/04** ( 2006.01 )  
**B65B 13/28** ( 2006.01 )
- (31) 2021-171965 (32) 20.10.21 (33) JP  
(43) 04.05.2023  
(72) ITAGAKI, Osamu; SUGIHARA, Shinpei  
(74) AJ PARK
- 
- (71) Medivators Inc.  
(11) AU-A-2023202082  
(21) 2023202082 (22) 04.04.2023  
(54) Preconditioning apparatus and process for endoscope reprocessing
- (51) Int. Cl.  
**A01N 25/00** ( 2006.01 )  
**A47L 13/00** ( 2006.01 )  
**A61L 2/00** ( 2006.01 )  
**A61L 2/18** ( 2006.01 )  
**B08B 1/00** ( 2006.01 )  
**B08B 9/023** ( 2006.01 )  
**B08B 9/032** ( 2006.01 )
- (43) 04.05.2023  
(62) 2018221080  
(72) Petersen, Michael P.; Bromiley, Nicholas G.; Hemink, David C.; Johnnie, Joseph G.; Riske, Brett; Haydon, William; Adams, Heather; Bui, Huyen; Nguyen, Tuan  
(74) WRAYS PTY LTD
- 
- (71) Memphasys Limited  
(11) AU-A-2023201892  
(21) 2023201892 (22) 28.03.2023  
(54) Electrophoresis device
- (51) Int. Cl.  
**B01D 57/02** ( 2006.01 )  
**A61K 35/15** ( 2015.01 )  
**C12N 5/076** ( 2010.01 )
- (43) 04.05.2023  
(62) 2017344755  
(72) Zhao, Xing Feng  
(74) FPA Patent Attorneys Pty Ltd
- 
- (71) Merit Medical Systems, Inc.  
(11) AU-A-2023202115  
(21) 2023202115 (22) 05.04.2023  
(54) Pliant members for receiving and aiding in the deployment of vascular prostheses
- (51) Int. Cl.  
**A61F 2/962** ( 2013.01 )  
**A61F 2/95** ( 2013.01 )  
**A61M 25/01** ( 2006.01 )
- (43) 04.05.2023  
(62) 2017335843  
(72) Mower, Wayne; Adams, Michael; Eller, Zeke; Hall, John; Cindrich, Christopher  
(74) Spruson & Ferguson
- 
- (71) Minesense Technologies Ltd.  
(11) AU-A-2023202061  
(21) 2023202061 (22) 04.04.2023  
(54) MINING SHOVEL WITH COMPOSITIONAL SENSORS
- (51) Int. Cl.  
**E02F 9/20** ( 2006.01 )  
**E02F 3/40** ( 2006.01 )  
**E21C 27/30** ( 2006.01 )
- (43) 04.05.2023  
(62) 2022202912  
(72) Bamber, Andrew Sherliker; Alatrash, Ali; Petrovic, Igor; Desaulniers, Greg  
(74) CreatelP
- 
- Minton, J. see Minton Treharne & Davies Australia Pty Ltd and Dr P Cook**  
(21) 2021250933
- 
- (71) Minton Treharne & Davies Australia Pty Ltd and Dr P Cook; Minton, J.  
(11) AU-A-2021250933  
(21) 2021250933 (22) 14.10.2021  
(54) Flow Moisture Point (FMP) and Transportable Moisture Limit (TML) Referral Test Material
- (51) Int. Cl.  
**G01N 33/00** ( 2006.01 )  
**G01N 1/28** ( 2006.01 )
- (43) 04.05.2023  
(72) Minton, John; Cook, Patrick  
(74) Minton Treharne & Davies Australia Pty Ltd and Dr P Cook
- 
- (71) Momoh, I.  
(11) AU-A-2021250990  
(21) 2021250990 (22) 16.10.2021  
(54) Sonek's Technology - 4 Inventions
- (51) Int. Cl.  
**G05D 1/02** ( 2020.01 )  
**A63C 5/00** ( 2006.01 )  
**A63C 17/00** ( 2006.01 )  
**B25J 15/00** ( 2006.01 )  
**G05B 19/045** ( 2006.01 )  
**H04L 12/28** ( 2006.01 )

Applications Open to Public Inspection - Name Index cont'd

- (43) 04.05.2023  
(72) Momoh, Isaac  
(74) Isaac Momoh
- 
- (71) Motion Metrics International Corp.  
(11) AU-A-2023202153  
(21) 2023202153 (22) 06.04.2023  
(54) Apparatus for analyzing a payload being transported in a load carrying container of a vehicle
- (51) Int. Cl.  
G01N 21/84 ( 2006.01 )  
G01N 21/94 ( 2006.01 )  
G06N 3/02 ( 2006.01 )  
G06N 3/08 ( 2023.01 )  
G08G 1/017 ( 2006.01 )  
G01B 11/00 ( 2006.01 )  
H04B 1/59 ( 2006.01 )
- (43) 04.05.2023  
(62) 2020404468  
(72) TAFAZOLI BILANDI, Shahram; NOUR-ANIAN, Saman; TURNER, Glen Richard Floyd; CHU, Haobing; CHOW, Enoch; KARIMIFARD, Saeed; SAMETI, Mohammad  
(74) Minter Ellison
- 
- (71) Mozafari, M.  
(11) AU-A-2021254596  
(21) 2021254596 (22) 20.10.2021  
(54) METHOD AND COMPOSITIONS AS GREEN-TECH PRESERVATIVES FOR FOOD PRODUCTS
- (51) Int. Cl.  
A23B 9/14 ( 2006.01 )  
A23L 25/00 ( 2016.01 )  
A23P 20/10 ( 2016.01 )  
B82Y 30/00 ( 2011.01 )  
B82Y 40/00 ( 2011.01 )
- (43) 04.05.2023  
(72) MOZAFARI, Marcel Reza; KAZEMI MOFRAD, Zahra  
(74) Marcel Reza Mozafari
- 
- (71) Nalu Medical, Inc.  
(11) AU-A-2023202084  
(21) 2023202084 (22) 04.04.2023  
(54) Stimulation apparatus
- (51) Int. Cl.  
A61N 1/372 ( 2006.01 )
- (43) 04.05.2023  
(62) 2018265016  
(72) Linden, Christopher; Castillo, Andre; Palmer, Logan; Sit, Ji-Jon; Pivonka, Daniel M.; Mishra, Lakshmi Narayan; Makous, James C.; Hartley, Lee Fason; Lee, James C.; Flaherty, J. Christopher  
(74) Spruson & Ferguson
- 
- (71) nChain Holdings Limited  
(11) AU-A-2023202079  
(21) 2023202079 (22) 04.04.2023  
(54) Universal tokenisation system for blockchain-based cryptocurrencies
- (51) Int. Cl.  
G06Q 20/38 ( 2012.01 )

- (43) 04.05.2023  
(62) 2017223127  
(72) WRIGHT, Craig Steven; SAVANAH, Stephane  
(74) FB Rice Pty Ltd
- 
- (71) Near Intelligence Holdings, Inc.  
(11) AU-A-2023202016  
(21) 2023202016 (22) 01.04.2023  
(54) METHOD FOR IDENTIFYING A DEVICE USING ATTRIBUTES AND LOCATION SIGNATURES FROM THE DEVICE
- (51) Int. Cl.  
G06F 21/44 ( 2013.01 )  
G06F 16/20 ( 2019.01 )  
G06K 7/00 ( 2006.01 )  
G06K 9/62 ( 2022.01 )
- (43) 04.05.2023  
(62) 2021290402  
(72) Palappetty, Hari; N, Sumanth  
(74) Dentons Patent Attorneys Australasia Limited
- 
- (71) NEO NEBULA PTY LTD  
(11) AU-A-2021254561  
(21) 2021254561 (22) 19.10.2021  
(54) A DEVICE, METHOD AND SYSTEM FOR THE SECURE STORAGE OF DATA IN A DISTRIBUTED MANNER
- (51) Int. Cl.  
G06F 21/60 ( 2013.01 )  
G06F 16/182 ( 2019.01 )  
G06F 21/64 ( 2013.01 )  
H04L 9/32 ( 2006.01 )  
H04L 67/1097 ( 2022.01 )
- (43) 04.05.2023  
(72) Elbaum, H. Daniel  
(74) NEO NEBULA PTY LTD
- 
- (71) Netflix, Inc.  
(11) AU-A-2023202133  
(21) 2023202133 (22) 06.04.2023  
(54) Automated video cropping using relative importance of identified objects
- (51) Int. Cl.  
H04N 21/258 ( 2011.01 )  
G06F 18/00 ( 2023.01 )  
G11B 27/02 ( 2006.01 )  
H04N 1/387 ( 2006.01 )  
H04N 5/45 ( 2011.01 )  
H04N 21/234 ( 2011.01 )  
H04N 21/2343 ( 2011.01 )  
H04N 21/44 ( 2011.01 )  
H04N 21/4728 ( 2011.01 )
- (43) 04.05.2023  
(62) 2020304345  
(72) Kansara, Apurvakumar Dilipkumar; Holsapple, Sanford; Westadt, Arica; Bisla, Kunal; Shah, Sameer  
(74) FPA Patent Attorneys Pty Ltd
- 
- (71) Neurim Pharmaceuticals Ltd.  
(11) AU-A-2023202003  
(21) 2023202003 (22) 31.03.2023  
(54) Melatonin mini-tablets and method of manufacturing the same

- (51) Int. Cl.  
A61K 31/00 ( 2006.01 )
- (43) 04.05.2023  
(62) 2021200268  
(72) LAUDON, Moshe; ZISAPPEL, Nava  
(74) Spruson & Ferguson
- 
- (71) New York Air Brake, LLC  
(11) AU-A-2023202147  
(21) 2023202147 (22) 06.04.2023  
(54) Radio blocking in a train control system
- (51) Int. Cl.  
B61L 3/00 ( 2006.01 )  
B61L 15/00 ( 2006.01 )  
B61L 21/10 ( 2006.01 )  
B61L 23/34 ( 2006.01 )
- (43) 04.05.2023  
(62) 2021202316  
(72) Folkert, Horst  
(74) Griffith Hack
- 
- (71) Nextracker LLC  
(11) AU-A-2023201882  
(21) 2023201882 (22) 28.03.2023  
(54) Light management systems for optimizing performance of bifacial solar module
- (51) Int. Cl.  
H01L 31/048 ( 2014.01 )  
H01L 31/02 ( 2006.01 )  
H01L 31/049 ( 2014.01 )  
H02S 40/22 ( 2014.01 )
- (43) 04.05.2023  
(62) 2019252911  
(72) SHUGAR, Daniel; COLE, Eric  
(74) Clark Intellectual Property Pty Ltd
- 
- (71) Nexus Spine, LLC  
(11) AU-A-2023202114  
(21) 2023202114 (22) 05.04.2023  
(54) Press-fit anterior cervical plate
- (51) Int. Cl.  
A61B 17/70 ( 2006.01 )  
A61B 17/80 ( 2006.01 )
- (43) 04.05.2023  
(62) 2020221196  
(72) MANWILL, Daniel; HALVERSON, Peter; HAWKES, David T.  
(74) Spruson & Ferguson
- 
- (71) Nicotra Gebhardt GmbH  
(11) AU-A-2022252728  
(21) 2022252728 (22) 11.10.2022  
(54) Radial impeller
- (51) Int. Cl.  
F04D 29/28 ( 2006.01 )  
F04D 29/30 ( 2006.01 )
- (31) 21 202 991.2 (32) 15.10.21 (33) EP  
(43) 04.05.2023  
(72) HEIGOLD, Thomas; GUNDEL, Klaus  
(74) FB Rice Pty Ltd
- 
- (71) Nicoventures Trading Limited  
(11) AU-A-2023202237  
(21) 2023202237 (22) 12.04.2023  
(54) Data capture across devices



Applications Open to Public Inspection - Name Index cont'd

- (51) Int. Cl.  
**A24F 47/00** ( 2020.01 )  
**H04W 4/80** ( 2018.01 )
- (43) 04.05.2023  
(62) 2021254534  
(72) Moloney, Patrick; Kersey, Robert; Baker, Darryl  
(74) Spruson & Ferguson
- 
- (71) Nilo Limited  
(11) AU-A-2023202145  
(21) 2023202145 (22) 06.04.2023  
(54) Slurry processing apparatus and related methods  
(51) Int. Cl.  
**B29B 17/04** ( 2006.01 )
- (43) 04.05.2023  
(62) 2021204554  
(72) GILBERT, Ronald James  
(74) Dentons Patent Attorneys Australasia Limited
- 
- (71) ODESI TECH PTE. LTD.  
(11) AU-A-2022209314  
(21) 2022209314 (22) 28.07.2022  
(54) Virtual Meeting System and Method to Perform an Annual General Meeting (AGM) by Users Over a Network  
(51) Int. Cl.  
**G06Q 10/10** ( 2012.01 )  
**G06Q 90/00** ( 2006.01 )
- (31) 10202111609S (32) 19.10.21 (33) SG  
(43) 04.05.2023  
(72) LOH, KEN-JI  
(74) Remarkable IP
- 
- (71) Oerlikon Metco (US) Inc.  
(11) AU-A-2022241525  
(21) 2022241525 (22) 28.09.2022  
(54) Core drill bit binder materials  
(51) Int. Cl.  
**C22C 9/02** ( 2006.01 )  
**C22C 9/06** ( 2006.01 )  
**E21B 10/46** ( 2006.01 )
- (31) 63/257,725 (32) 20.10.21 (33) US  
(43) 04.05.2023  
(72) CHENEY, Justin; BRACCI, Jonathon  
(74) Spruson & Ferguson
- 
- (71) Oren Technologies, LLC  
(11) AU-A-2023201992  
(21) 2023201992 (22) 31.03.2023  
(54) Conveyor with integrated dust collector system  
(51) Int. Cl.  
**B01D 45/00** ( 2006.01 )  
**B07B 4/00** ( 2006.01 )  
**B07B 7/00** ( 2006.01 )  
**B08B 15/00** ( 2006.01 )  
**B65B 1/16** ( 2006.01 )  
**B65G 3/04** ( 2006.01 )  
**B65G 69/18** ( 2006.01 )
- (43) 04.05.2023  
(62) 2021202269  
(72) Oren, Joshua; Boros, Marty; Berveiler, Pete; Hansen, Dave; Campbell, Colin; Edwards, Mike; Massalone, Thomas  
(74) Griffith Hack
- 
- (71) Oren Technologies, LLC  
(11) AU-A-2023201960  
(21) 2023201960 (22) 30.03.2023  
(54) Methods, apparatus and systems for providing occupancy-based variable lighting  
(51) Int. Cl.  
**H05B 47/10** ( 2020.01 )
- (43) 04.05.2023  
(62) 2021201658  
(72) Chemel, Brian J.; Morgan, Frederick M.; Elledge, Christopher L.; Egan, John F.  
(74) Griffith Hack
- 
- (71) Oton Medical A/S  
(11) AU-A-2022252802  
(21) 2022252802 (22) 13.10.2022  
(54) An Electromagnetic Vibrator for Generating a Vibration in Order to Transmit Sound Through a Bone of a Skull of a
- User to an Ear of the User and a Bone Anchored Hearing Device
- (51) Int. Cl.  
**H04R 25/02** ( 2006.01 )
- (31) 21202663.7 (32) 14.10.21 (33) EP  
(43) 04.05.2023  
(72) Petersen, Jan  
(74) Golja Haines & Friend
- 
- (71) Oticon Medical A/S  
(11) AU-A-2022252804  
(21) 2022252804 (22) 13.10.2022  
(54) Implantable Hearing Device for Enhancing the Hearing Capability of a User  
(51) Int. Cl.  
**H04R 25/00** ( 2006.01 )  
**A61N 1/05** ( 2006.01 )  
**A61N 1/36** ( 2006.01 )
- (31) 21202690.0 (32) 14.10.21 (33) EP  
(43) 04.05.2023  
(72) VAIARELLO, Yannick; MATTIOLI, Franck; VENET, Julien  
(74) Golja Haines & Friend
- 
- (71) Paccar Inc.  
(11) AU-A-2022231782  
(21) 2022231782 (22) 16.09.2022  
(54) SYSTEM AND METHOD FOR MONITORING AN OXIDATION CATALYST  
(51) Int. Cl.  
**F01N 11/00** ( 2006.01 )  
**F01N 3/20** ( 2006.01 )
- (31) 17/504,595 (32) 19.10.21 (33) US  
(43) 04.05.2023  
(72) OTT, Trevor Joseph; CHAFFIN WEBB, Cynthia; REINHARDT SWART, Charles Wayne  
(74) Griffith Hack
- 
- Peking University see EdiGene Therapeutics (Beijing) Inc.**  
(21) 2023202184
- 
- Phi, Q. see Real-Time Robotics Inc**  
(21) 2022256157
- 
- (71) Pulse IP, LLC  
(11) AU-A-2023201949  
(21) 2023201949 (22) 30.03.2023  
(54) Titanium based ceramic reinforced alloy  
(51) Int. Cl.  
**C22C 14/00** ( 2006.01 )  
**A61L 31/02** ( 2006.01 )
- (43) 04.05.2023  
(62) 2017206164  
(72) Fisk, Andrew E.; Demchyshyn, Anatolii; Kulak, Leonid; Kuzmenko, Mykola  
(74) Griffith Hack
- 
- (71) Qualcomm Incorporated  
(11) AU-A-2023201968  
(21) 2023201968 (22) 30.03.2023  
(54) LONG UPLINK BURST CHANNEL DESIGN  
(51) Int. Cl.

Applications Open to Public Inspection - Name Index cont'd

**H04W 72/04** ( 2023.01 )  
**H04L 1/18** ( 2023.01 )  
**H04L 5/00** ( 2006.01 )  
**(43)** 04.05.2023  
**(62)** 2018289047  
**(72)** Wang, Renqiu; Huang, Yi; Gaal, Peter; Montojo, Juan; Luo, Tao; Akkarakaran, Sony; Park, Seyong  
**(74)** Madderns Pty Ltd

**(71)** Qualcomm Incorporated  
**(11)** AU-A-2023202062  
**(21)** 2023202062 **(22)** 04.04.2023  
**(54)** IMPROVED INTRA PREDICTION IN VIDEO CODING  
**(51)** Int. Cl.  
**H04N 19/593** ( 2014.01 )  
**(43)** 04.05.2023  
**(62)** 2018291135  
**(72)** Zhang, Kai; Chen, Jianle; Zhao, Xin; Karczewicz, Marta  
**(74)** Madderns Pty Ltd

**(71)** Qualcomm Incorporated  
**(11)** AU-A-2023202072  
**(21)** 2023202072 **(22)** 04.04.2023  
**(54)** NAVIGATION AND POSITIONING SYSTEM USING RADIO BEAM  
**(51)** Int. Cl.  
**H04W 64/00** ( 2009.01 )  
**G01S 5/02** ( 2010.01 )  
**H04W 4/02** ( 2018.01 )  
**H04W 16/28** ( 2009.01 )  
**(43)** 04.05.2023  
**(62)** 2019251998  
**(72)** OPSHAUG, Guttorm Ringstad; BHUSHAN, Naga; WU, Jie; FISCHER, Sven; EDGE, Stephen William; PON, Rayman  
**(74)** Madderns Pty Ltd

**(71)** Qualcomm Incorporated  
**(11)** AU-A-2023202263  
**(21)** 2023202263 **(22)** 12.04.2023  
**(54)** VIRTUAL SEARCH SPACES FOR BEAM INDICATION  
**(51)** Int. Cl.  
**H04L 1/00** ( 2006.01 )  
**H04L 5/00** ( 2006.01 )  
**(43)** 04.05.2023  
**(62)** 2019222502  
**(72)** NAM, Wooseok; AKKARAKARAN, Sony; LUO, Tao; WANG, Xiao Feng; JOHN WILSON, Makesh Pravin; NAGARAJA, Sumeeth; CHEN, Shengbo; ZHOU, Yan  
**(74)** Madderns Pty Ltd

**(71)** Quidient, LLC  
**(11)** AU-A-2023202040  
**(21)** 2023202040 **(22)** 03.04.2023  
**(54)** Quotidian scene reconstruction engine  
**(51)** Int. Cl.  
**H04N 5/225** ( 2006.01 )  
**G02B 1/08** ( 2006.01 )  
**G06T 7/55** ( 2017.01 )  
**G06T 7/557** ( 2017.01 )

**G06T 9/40** ( 2006.01 )  
**H04N 5/76** ( 2006.01 )  
**(43)** 04.05.2023  
**(62)** 2020289841  
**(72)** Ackerson, David Scott; Meagher, Donald J.; Leffingwell, John K.; Daniilidis, Kostas  
**(74)** Griffith Hack

**(71)** Radius Pharmaceuticals, Inc.  
**(11)** AU-A-2023202085  
**(21)** 2023202085 **(22)** 04.04.2023  
**(54)** Polymorphic forms of RAD1901-2HCL  
**(51)** Int. Cl.  
**A61K 31/137** ( 2006.01 )  
**A61K 31/436** ( 2006.01 )  
**(43)** 04.05.2023  
**(62)** 2018205285  
**(72)** Cruskie, Michael Paul; Bolger, Joshua Kyle; McKenzie, Jonathan Blake; Sheth, Pratik; Edwards, Richard; Eberlin, Alex; Markey, Michael  
**(74)** Spruson & Ferguson

**(71)** Rani Therapeutics, LLC  
**(11)** AU-A-2023202150  
**(21)** 2023202150 **(22)** 06.04.2023  
**(54)** Device, system and methods for the oral delivery of therapeutic compounds  
**(51)** Int. Cl.  
**A61M 31/00** ( 2006.01 )  
**(43)** 04.05.2023  
**(62)** 2020294353  
**(72)** Imran, Mir  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** Real-Time Robotics Inc; Luong, Q.; Phi, Q.  
**(11)** AU-A-2022256157  
**(21)** 2022256157 **(22)** 17.10.2022  
**(54)** A multicopter  
**(51)** Int. Cl.  
**B64C 27/08** ( 2006.01 )  
**(31)** 2021250980 **(32)** 15.10.21 **(33)** AU  
 2022902148 31.07.22 AU  
**(43)** 04.05.2023  
**(72)** LUONG, Quoc; PHI, QUANG  
**(74)** Dentons Patent Attorneys Australasia Limited

**(71)** Recce Pharmaceuticals Ltd  
**(11)** AU-A-2023201883  
**(21)** 2023201883 **(22)** 28.03.2023  
**(54)** ANTI-VIRUS AGENT AND METHOD FOR TREATMENT OF VIRAL INFECTION  
**(51)** Int. Cl.  
**A61K 31/765** ( 2006.01 )  
**A61K 31/78** ( 2006.01 )  
**A61P 31/12** ( 2006.01 )  
**C08G 2/00** ( 2006.01 )  
**C08G 2/18** ( 2006.01 )  
**(43)** 04.05.2023  
**(62)** 2017220391  
**(72)** Melrose, Graham John Hamilton; Dilizia, Michele Keryn  
**(74)** PHILLIPS ORMONDE FITZPATRICK

**(71)** ResMed Pty Ltd  
**(11)** AU-A-2023202001  
**(21)** 2023202001 **(22)** 31.03.2023  
**(54)** GAS WASHOUT VENT FOR PATIENT INTERFACE  
**(51)** Int. Cl.  
**A61M 16/06** ( 2006.01 )  
**(43)** 04.05.2023  
**(62)** 2017358062  
**(72)** Chow, Tatt Hoong; Dantanarayana, Muditha Pradeep; Khera, Rahul; Maurer, Dimitri Marco; Tee, Min Li  
**(74)** Halfords IP

**(71)** ResMed Pty Ltd  
**(11)** AU-A-2023202124  
**(21)** 2023202124 **(22)** 05.04.2023  
**(54)** HUMIDIFIER RESERVOIR  
**(51)** Int. Cl.  
**A61M 16/16** ( 2006.01 )  
**(43)** 04.05.2023  
**(62)** 2017363821  
**(72)** Bayer, Christian; Lang, Bernd Christoph; Bertinetti, Mark; Burz, Johann Sebastian; Eibl, Robert; Kasparbauer, Martin; Kirchberger, Andreas; Nickol, Johannes; Rothfuss, Jens  
**(74)** Halfords IP

**(71)** ResMed Pty Ltd  
**(11)** AU-A-2023202241  
**(21)** 2023202241 **(22)** 12.04.2023  
**(54)** HEADGEAR TUBING FOR A PATIENT INTERFACE  
**(51)** Int. Cl.  
**A61M 16/06** ( 2006.01 )  
**A61M 16/08** ( 2006.01 )  
**(43)** 04.05.2023  
**(62)** 2019426678  
**(72)** BARLOW, Adam Francis; BRAUND, David James; CHAN, Andrew; FORMICA, Justin John; RUMMERY, Gerard Michael; WELLS, Matthew Robin; WATSON, Paul Derrick  
**(74)** Halfords IP

**(71)** Rhino Rack Australia Pty Limited  
**(11)** AU-A-2022252733  
**(21)** 2022252733 **(22)** 11.10.2022  
**(54)** ARTICLE CARRIER MOUNTING LEG  
**(51)** Int. Cl.  
**B60R 9/058** ( 2006.01 )  
**F16B 2/06** ( 2006.01 )  
**F16B 2/10** ( 2006.01 )  
**(31)** 2021903304 **(32)** 14.10.21 **(33)** AU  
**(43)** 04.05.2023  
**(72)** SCHWECKE, Colin; PATEL, Aakash; FOLLAN, Timothy  
**(74)** Adams Pluck

**Robertson, S. see Robertson, B.**  
**(21)** 2022231740

Applications Open to Public Inspection - Name Index cont'd

(71) Robertson, B.; Robertson, S.  
 (11) AU-A-2022231740  
 (21) 2022231740 (22) 15.09.2022  
 (54) A GARMENT AND A COMPOSITE FABRIC FOR USE IN HAZARDOUS ENVIRONMENTS  
 (51) Int. Cl.  
*A41D 31/08* ( 2019.01 )  
*A41D 13/00* ( 2006.01 )  
*A62B 17/04* ( 2006.01 )  
*B32B 5/02* ( 2006.01 )  
*B32B 5/22* ( 2006.01 )  
*B32B 7/027* ( 2019.01 )  
*B32B 7/12* ( 2006.01 )  
 (31) 2114797.0 (32) 15.10.21 (33) GB  
 PCT/ 25.08.22 GB  
 GB2022/052185  
 (43) 04.05.2023  
 (72) ROBERTSON, Barry  
 (74) AJ PARK

(71) S. C. Johnson & Son, Inc.  
 (11) AU-A-2023202139  
 (21) 2023202139 (22) 06.04.2023  
 (54) Insect trap device  
 (51) Int. Cl.  
*A01M 1/14* ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2020368900  
 (72) FURNER, Paul E.; PALM, Julie; FATERIOUN, Kamran; CARLSON, David R.; TRACY, Noah I.; MUNAGAVALASA, Murthy S.  
 (74) Spruson & Ferguson

(71) Samsung Electronics Co., Ltd.  
 (11) AU-A-2022256120  
 (21) 2022256120 (22) 19.10.2022  
 (54) RESOURCE ISOLATION IN COMPUTATIONAL STORAGE DEVICES  
 (51) Int. Cl.  
*G06F 12/14* ( 2006.01 )  
*G06F 12/00* ( 2006.01 )  
*G06F 12/06* ( 2006.01 )  
*G06F 16/901* ( 2019.01 )  
 (31) 63/270,049 (32) 20.10.21 (33) US  
 17/558,587 21.12.21 US  
 (43) 04.05.2023  
 (72) Hong, Ilgu; Choi, Changho; Ki, Yang-seok  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Samsung Electronics Co., Ltd.  
 (11) AU-A-2023202253  
 (21) 2023202253 (22) 12.04.2023  
 (54) Method and apparatus for transmitting and receiving reference signal in wireless communication system  
 (51) Int. Cl.  
*H04L 5/00* ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2018367796  
 (72) SHIN, Cheolkyu; YEO, Jeongho; KWAK, Youngwoo; NOH, Hoondong; YOO, Hyunil  
 (74) Griffith Hack

(71) Sandon Global Engraving Technology Limited  
 (11) AU-A-2023202140  
 (21) 2023202140 (22) 06.04.2023  
 (54) LIGHTWEIGHT INTERCHANGEABLE MAGNETIC SLEEVE AND METHOD OF MANUFACTURE THEREOF  
 (51) Int. Cl.  
*B41F 27/10* ( 2006.01 )  
*B41F 5/24* ( 2006.01 )  
*B41F 27/02* ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2020371883  
 (72) CARMICHAEL, Gary  
 (74) Madderns Pty Ltd

(71) Schlage Lock Company LLC  
 (11) AU-A-2023202028  
 (21) 2023202028 (22) 03.04.2023  
 (54) WIRELESS ACCESS CREDENTIAL SYSTEM  
 (51) Int. Cl.  
*H04L 9/32* ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2019344067  
 (72) EVERSON, Jonathan R.; ROSS, Gregory; KAUFMAN, Seth; JOHNSON, Dakota; BAUER, Christopher; LUIF, John; EVENSON, John; SANTHANAKRISHNAN, Lakshmi; DUCKWORTH, Mark; BROERMAN, Keith R.; BAUMGARTE, Joseph W.; DEXTER, Matthew; HOPKINS, Benjamin J.; STUDDT, David  
 (74) Alder IP Pty Ltd

(71) Sernova Corporation  
 (11) AU-A-2023201914  
 (21) 2023201914 (22) 29.03.2023  
 (54) Methods and devices for cellular transplantation  
 (51) Int. Cl.  
*A61L 27/16* ( 2006.01 )  
*A61L 27/38* ( 2006.01 )  
*A61L 27/56* ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2021201485  
 (72) Shohet, Simon; Siroen, Delfina Maria Mazzuca; Toleikis, Phillip Michael; Hasilo, Craig; Haworth, Daniel Nicholas; Leushner, Justin  
 (74) Spruson & Ferguson

(71) SHAABAN, A.F.; THANDRA, V.  
 (11) AU-A-2023202064  
 (21) 2023202064 (22) 04.04.2023  
 (54) SYSTEM AND METHOD FOR ALLOCATING VALUE TO TIMEKEEPER WORK  
 (51) Int. Cl.  
*G06Q 10/10* ( 2023.01 )  
*G06Q 30/04* ( 2012.01 )  
 (43) 04.05.2023  
 (62) 2021201312  
 (72) SHAABAN, Ahmed Farouk; THANDRA, Venkat  
 (74) Murray Trento & Associates Pty Ltd

SHAABAN, A.F. see THANDRA, V.  
 (21) 2023202118

SHAABAN, A.F. see THANDRA, V.  
 (21) 2023202144

(71) SHAABAN, A.F.; THANDRA, V.  
 (11) AU-A-2023202185  
 (21) 2023202185 (22) 11.04.2023  
 (54) SYSTEM AND METHOD FOR AUTOMATED COLLECTIONS OF DEBTS FOR BUSINESSES  
 (51) Int. Cl.  
*G06F 17/40* ( 2006.01 )  
*G06F 21/62* ( 2013.01 )  
*G06Q 10/06* ( 2023.01 )  
*G06Q 20/16* ( 2012.01 )  
*G06Q 30/06* ( 2023.01 )

(43) 04.05.2023  
 (62) 2021201831  
 (72) SHAABAN, Ahmed Farouk; THANDRA, Venkat  
 (74) Murray Trento & Associates Pty Ltd

(71) Shaanxi YuanGuang Hi-tech Co.,Ltd.  
 (11) AU-A-2022200132  
 (21) 2022200132 (22) 11.01.2022  
 (54) BIO-LIGHT ELEMENT, AND PREPARATION METHOD AND USE THEREOF  
 (51) Int. Cl.  
*A61K 33/12* ( 2006.01 )  
*A61H 39/00* ( 2006.01 )  
*A61K 9/14* ( 2006.01 )  
*A61K 33/00* ( 2006.01 )  
*A61K 33/30* ( 2006.01 )  
*A61K 35/00* ( 2006.01 )  
*A61N 5/00* ( 2006.01 )

(31) 202111201813. 3 (32) 15.10.21 (33) CN  
 (43) 04.05.2023  
 (72) ZHANG, Junhua  
 (74) Stellar Law Pty Ltd

(71) SharkNinja Operating LLC  
 (11) AU-A-2023201902  
 (21) 2023201902 (22) 29.03.2023  
 (54) HAND-HELD SURFACE CLEANING DEVICE  
 (51) Int. Cl.  
*A47L 5/24* ( 2006.01 )  
*A47L 9/28* ( 2006.01 )  
*A47L 9/32* ( 2006.01 )

(43) 04.05.2023  
 (62) 2020294284  
 (72) Tonderys, Daniel; Brown, Andre D.; Innes, Daniel J.; Antonisami, Bastin; Thorne, Jason B.; Xu, Kai; Chen, Heliang  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Shearwater GeoServices Software Inc.  
 (11) AU-A-2023202187  
 (21) 2023202187 (22) 11.04.2023  
 (54) USE NUOS TECHNOLOGY TO ACQUIRE OPTIMIZED 2D DATA  
 (51) Int. Cl.  
*G01V 1/38* ( 2006.01 )

Applications Open to Public Inspection - Name Index cont'd

**G01V 1/28** ( 2006.01 )  
**(43)** 04.05.2023  
**(62)** 2017354166  
**(72)** Li, Chengbo; Mosher, Charles C.; Keys, Robert G.; Eick, Peter M.; Kaplan, Sam T.; Brewer, Joel D.  
**(74)** PHILLIPS ORMONDE FITZPATRICK

**(71)** Siemens Aktiengesellschaft  
**(11)** AU-A-2023202081  
**(21)** 2023202081 **(22)** 04.04.2023  
**(54)** Computer-aided method for simulating the operation of an energy system, and energy management system  
**(51)** Int. Cl.  
**G06F 30/20** ( 2020.01 )  
**G06Q 10/06** ( 2023.01 )  
**G06Q 50/06** ( 2012.01 )  
**G06F 113/08** ( 2020.01 )  
**(43)** 04.05.2023  
**(62)** 2020211656  
**(72)** THIEM, Sebastian  
**(74)** Spruson & Ferguson

**(71)** Snap-on Incorporated  
**(11)** AU-A-2022235621  
**(21)** 2022235621 **(22)** 23.09.2022  
**(54)** JOINT PRESS  
**(51)** Int. Cl.  
**B25B 27/02** ( 2006.01 )  
**B23P 19/02** ( 2006.01 )  
**(31)** 17/502,796 **(32)** 15.10.21 **(33)** US  
**(43)** 04.05.2023  
**(72)** BENDORF, Scott A.  
**(74)** Griffith Hack

**(71)** Snap-on Incorporated  
**(11)** AU-A-2023202051  
**(21)** 2023202051 **(22)** 04.04.2023  
**(54)** SOCKET DRIVE IMPROVEMENT  
**(51)** Int. Cl.  
**B25B 13/06** ( 2006.01 )  
**B25B 13/04** ( 2006.01 )  
**(43)** 04.05.2023  
**(62)** 2021202775  
**(72)** EGGERT, Daniel M.; THOMPSON, Christopher D.  
**(74)** Griffith Hack

**(71)** Somero Enterprises, Inc.  
**(11)** AU-A-2023202245  
**(21)** 2023202245 **(22)** 12.04.2023  
**(54)** Concrete screeding machine with column block control using gyroscope sensor  
**(51)** Int. Cl.  
**E01C 19/00** ( 2006.01 )  
**E01C 19/22** ( 2006.01 )  
**E01C 19/40** ( 2006.01 )  
**E01C 19/42** ( 2006.01 )  
**E01C 23/06** ( 2006.01 )  
**E01C 23/07** ( 2006.01 )  
**(43)** 04.05.2023  
**(62)** 2018390814  
**(72)** KANGAS, Matthew A.  
**(74)** Griffith Hack

**(71)** Stanley, B.  
**(11)** AU-A-2021254535  
**(21)** 2021254535 **(22)** 19.10.2021  
**(54)** 3IN1 ECO PAINT ROLLER COVER CLEANING TOOL, PAINT STIRRER AND PAINT TIN OPENER  
**(51)** Int. Cl.  
**B44D 3/00** ( 2006.01 )  
**B05C 17/02** ( 2006.01 )  
**(43)** 04.05.2023  
**(72)** Stanley, Brett  
**(74)** AJ PARK

**(71)** St Vincent's Hospital Sydney Limited  
**(11)** AU-A-2023202203  
**(21)** 2023202203 **(22)** 11.04.2023  
**(54)** METHODS OF DETECTING LENTIVIRUS  
**(51)** Int. Cl.  
**C12Q 1/68** ( 2018.01 )  
**C12N 15/09** ( 2006.01 )  
**(43)** 04.05.2023  
**(62)** 2017325110  
**(72)** Suzuki, Kazuo  
**(74)** FB Rice Pty Ltd

**(71)** Sunovion Pharmaceuticals Inc.  
**(11)** AU-A-2023202174  
**(21)** 2023202174 **(22)** 11.04.2023  
**(54)** Salts, crystal forms, and production methods thereof  
**(51)** Int. Cl.  
**C07D 495/04** ( 2006.01 )  
**A61K 31/381** ( 2006.01 )  
**A61P 25/00** ( 2006.01 )  
**(43)** 04.05.2023  
**(62)** 2019222491  
**(72)** Bauer, Andrea; Bhogle, Nandkumar Nivrutti; Chen, Xiaoxia; Jamzad, Shahla; Prytko, Robert Joseph; Saranteas, Kostas; Wilkinson, Harold Scott; Zhang, Haitao; Sizensky, Michael Joseph  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** Suen Life Sciences Limited  
**(11)** AU-A-2023201908  
**(21)** 2023201908 **(22)** 29.03.2023  
**(54)** New uses of a 5-HT4 receptor agonist  
**(51)** Int. Cl.  
**A61K 31/454** ( 2006.01 )  
**A61K 31/4525** ( 2006.01 )  
**A61P 25/24** ( 2006.01 )  
**A61P 25/28** ( 2006.01 )  
**(43)** 04.05.2023  
**(62)** 2019361359  
**(72)** NIROGI, Ramakrishna; MOHAMMED, Abdul Rasheed; SHINDE, Anil Karbhari; GRANDHI, Venkata Ramalingayya; JAYARAJAN, Pradeep; BENADE, Vijay; BHYRAPUNENI, Gopinadh; JASTI, Venkateswarlu  
**(74)** Davies Collison Cave Pty Ltd

**(71)** S Wave International Corp  
**(11)** AU-A-2023202095  
**(21)** 2023202095 **(22)** 05.04.2023

**(54)** System and Method for Creating and Sharing Media Playlists  
**(51)** Int. Cl.  
**G06F 16/14** ( 2019.01 )  
**(43)** 04.05.2023  
**(62)** 2021201009  
**(72)** RICHTER, Karl William; GRINTON, David James; DOOLEY, Lain; MCGUINNESS, Campbell  
**(74)** Chrysiliou IP

**(71)** SWIMC LLC  
**(11)** AU-A-2023202202  
**(21)** 2023202202 **(22)** 11.04.2023  
**(54)** Prep tool  
**(51)** Int. Cl.  
**B25G 3/14** ( 2006.01 )  
**B25G 1/08** ( 2006.01 )  
**B25G 3/26** ( 2006.01 )  
**(43)** 04.05.2023  
**(62)** 2021204724  
**(72)** LEVAND, Victor J.; GAURAV, Sharad; MULROY, Sarah Bridget; ROBERTSON, Joshua R.; GOODWIN, Edward Ray; BOSS, Randi  
**(74)** Spruson & Ferguson

**(71)** Syrinix Ltd  
**(11)** AU-A-2022252831  
**(21)** 2022252831 **(22)** 14.10.2022  
**(54)** Method and system for anomaly detection for a pumped pipeline  
**(51)** Int. Cl.  
**F17D 5/02** ( 2006.01 )  
**G01M 3/00** ( 2006.01 )  
**G05D 7/00** ( 2006.01 )  
**(31)** 2114709.5 **(32)** 14.10.21 **(33)** GB  
**(43)** 04.05.2023  
**(72)** Linford, Paul; Smither, Benjamin; Forbes, Alexander  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** Taiga Biotechnologies, Inc.  
**(11)** AU-A-2023201894  
**(21)** 2023201894 **(22)** 28.03.2023  
**(54)** Nanoparticle formulations  
**(51)** Int. Cl.  
**C07K 19/00** ( 2006.01 )  
**B82Y 30/00** ( 2011.01 )  
**B82Y 40/00** ( 2011.01 )  
**C07K 14/82** ( 2006.01 )  
**C12N 5/078** ( 2010.01 )  
**C12N 5/0789** ( 2010.01 )  
**(43)** 04.05.2023  
**(62)** 2017367730  
**(72)** Refaeli, Yosef; Turner, Brian Curtis; Bird, Gregory Alan  
**(74)** Spruson & Ferguson

**(71)** TalkShopLive, Inc.  
**(11)** AU-A-2023201985  
**(21)** 2023201985 **(22)** 31.03.2023  
**(54)** Systems and methods for embeddable point-of-sale transactions  
**(51)** Int. Cl.  
**G06Q 30/06** ( 2023.01 )

Applications Open to Public Inspection - Name Index cont'd

(43) 04.05.2023  
 (62) 2019350698  
 (72) Trimble, Jacob; Moore, Tina; Moore, Bryan  
 (74) FPA Patent Attorneys Pty Ltd

(71) Tata Consultancy Services Limited  
 (11) AU-A-2022241588  
 (21) 2022241588 (22) 30.09.2022  
 (54) SYSTEM AND METHOD FOR RAILWAY NETWORK ACCESS PLANNING  
 (51) Int. Cl.  
*B61L 27/12* ( 2022.01 )  
*B61L 27/16* ( 2022.01 )  
*G05D 1/00* ( 2006.01 )  
*G06N 20/00* ( 2019.01 )  
*G06Q 10/02* ( 2012.01 )  
*G06Q 10/04* ( 2012.01 )  
*G06Q 50/30* ( 2012.01 )  
 (31) 202121047289 (32) 18.10.21 (33) IN  
 (43) 04.05.2023  
 (72) MCILROY, Stewart; SALSINGIKAR, Shripad; CHHABRA, Sumit; GUPTA, Rashmi  
 (74) Collison & Co

(71) Tencent America LLC  
 (11) AU-A-2023201880  
 (21) 2023201880 (22) 28.03.2023  
 (54) GEOMETRIC PARTITIONING MODE IN VIDEO CODING  
 (51) Int. Cl.  
*H04N 11/02* ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2020387376  
 (72) Chen, Lien-Fei; Li, Xiang; Li, Guichun; Liu, Shan  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Tencent America LLC  
 (11) AU-A-2023202071  
 (21) 2023202071 (22) 04.04.2023  
 (54) Range of minimum coding block size in video coding  
 (51) Int. Cl.  
*H04N 19/119* ( 2014.01 )  
 (43) 04.05.2023  
 (62) 2020372880  
 (72) LI, Guichun; LI, Xiang; XU, Xiaozhong; LIU, Shan  
 (74) Griffith Hack

(71) Tencent America LLC  
 (11) AU-A-2023202101  
 (21) 2023202101 (22) 05.04.2023  
 (54) Method and apparatus for video coding  
 (51) Int. Cl.  
*H04N 19/70* ( 2014.01 )  
*H04N 19/105* ( 2014.01 )  
*H04N 19/126* ( 2014.01 )  
*H04N 19/159* ( 2014.01 )  
*H04N 19/176* ( 2014.01 )  
 (43) 04.05.2023  
 (62) 2020414351  
 (72) CHEN, Lien-Fei; LI, Xiang; LI, Guichun; LIU, Shan  
 (74) Griffith Hack

(71) Tencent America LLC  
 (11) AU-A-2023202122  
 (21) 2023202122 (22) 05.04.2023  
 (54) Signaling of reference picture resampling with constant window size indication in video bitstream  
 (51) Int. Cl.  
*H04N 7/12* ( 2006.01 )  
*H04N 19/107* ( 2014.01 )  
 (43) 04.05.2023  
 (62) 2020351096  
 (72) CHOI, Byeongdo; WENGER, Stephan; LIU, Shan  
 (74) Griffith Hack

(71) Tencent America LLC  
 (11) AU-A-2023202244  
 (21) 2023202244 (22) 12.04.2023  
 (54) Method for output layer set signaling in scalable video stream  
 (51) Int. Cl.  
*H04N 19/31* ( 2014.01 )  
*H04N 19/36* ( 2014.01 )  
 (43) 04.05.2023  
 (62) 2020364313  
 (72) CHOI, Byeongdo; WENGER, Stephan; LIU, Shan  
 (74) Griffith Hack

THANDRA, V. see SHAABAN, A.F.  
 (21) 2023202064

(71) THANDRA, V.; SHAABAN, A.F.  
 (11) AU-A-2023202118  
 (21) 2023202118 (22) 05.04.2023  
 (54) IMPROVED SYSTEM AND METHOD FOR TIMEKEEPING ENTRY AND WORK IN PROGRESS REPORTS  
 (51) Int. Cl.  
*G06Q 10/10* ( 2023.01 )  
*G06Q 30/04* ( 2012.01 )  
*G07C 1/00* ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2021202047  
 (72) SHAABAN, Ahmed Farouk; THANDRA, Venkat  
 (74) Murray Trento & Associates Pty Ltd

(71) THANDRA, V.; SHAABAN, A.F.  
 (11) AU-A-2023202144  
 (21) 2023202144 (22) 06.04.2023  
 (54) IMPROVED CLIENT ENTRY AND MAINTENANCE SYSTEM FOR TIMEKEEPING AND BILLING FOR PROFESSIONAL SERVICES SYSTEM AND METHOD  
 (51) Int. Cl.  
*G06Q 10/06* ( 2023.01 )  
*G06F 17/40* ( 2006.01 )  
*G06Q 30/06* ( 2023.01 )  
 (43) 04.05.2023  
 (62) 2021201324  
 (72) SHAABAN, Ahmed Farouk; THANDRA, Venkat  
 (74) Murray Trento & Associates Pty Ltd

THANDRA, V. see SHAABAN, A.F.  
 (21) 2023202185

(71) The Board of Trustees of the Leland Stanford Junior University  
 (11) AU-A-2023201938  
 (21) 2023201938 (22) 30.03.2023  
 (54) Treatment of cancer with dual targeting of CD47 and EGFR  
 (51) Int. Cl.  
*A61K 39/395* ( 2006.01 )  
*A61K 38/18* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2020202712  
 (72) Weissman, Irving L.; McKenna, Kelly Marie; Willingham, Stephen; Ho, Doris Po Yi; Dalerba, Piero D.; Volkmer, Jens-Peter  
 (74) FB Rice Pty Ltd

(71) The Board of Trustees of the Leland Stanford Junior University  
 (11) AU-A-2023201987  
 (21) 2023201987 (22) 31.03.2023  
 (54) Enhanced depletion of targeted cells with CD47 blockade and an immune costimulatory agonist  
 (51) Int. Cl.  
*C07K 16/28* ( 2006.01 )  
*A61K 39/00* ( 2006.01 )  
*A61K 39/395* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
*C07K 16/30* ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2016310348  
 (72) Schnorr, Peter; Chhabra, Akanksha; Shizuru, Judith A.; Weissman, Irving L.; Weiskopf, Kipp Andrew  
 (74) FB Rice Pty Ltd

(71) The Board Of Trustees Of The Leland Stanford Junior University  
 (11) AU-A-2023202077  
 (21) 2023202077 (22) 04.04.2023  
 (54) Capillary barriers for staged loading of microfluidic devices  
 (51) Int. Cl.  
*G01N 1/18* ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2020239798  
 (72) Santiago, Juan G.; Marshall, Lewis A.; Rogacs, Anita  
 (74) Griffith Hack

(71) The Raymond Corporation  
 (11) AU-A-2023202238  
 (21) 2023202238 (22) 12.04.2023  
 (54) SYSTEMS AND METHODS FOR VEHICLE SIMULATION  
 (51) Int. Cl.  
*G09B 25/02* ( 2006.01 )

Applications Open to Public Inspection - Name Index cont'd

- (43) 04.05.2023  
 (62) 2017202194  
 (72) Weiss, Joseph; Bentley, Stephen; Goncalves, Fernando; Medwin, Steven; Vanderpool, Josh  
 (74) Pizzey Patent and Trade Mark Attorneys Pty Ltd
- 
- The Rockefeller University see California Institute of Technology**  
 (21) 2023201926
- 
- (71) Thomson Reuters Global Resources Unlimited Company  
 (11) AU-A-2023202158  
 (21) 2023202158 (22) 06.04.2023  
 (54) METHOD AND SYSTEM FOR INTEGRATED PROFESSIONAL CONTINUING EDUCATION  
 (51) Int. Cl.  
 G06Q 50/00 (2012.01)  
 G06F 3/048 (2013.01)  
 G06F 15/16 (2006.01)  
 G06Q 20/00 (2012.01)  
 G06Q 30/00 (2023.01)  
 (43) 04.05.2023  
 (62) 2021200244  
 (72) KOSKAY, Kenneth; PERREAULT, Stephen; POIRIER, Greg; DENLINGER, Todd; BLACK, Stephanie  
 (74) AJ PARK
- 
- (71) Tongwei Solar (Meishan) Co., Ltd.  
 (11) AU-A-2022291551  
 (21) 2022291551 (22) 29.06.2022  
 (54) N-type monocrystalline silicon double-sided solar cell and preparation method thereof  
 (51) Int. Cl.  
 H01L 31/0236 (2006.01)  
 H01L 31/068 (2012.01)  
 H01L 31/18 (2006.01)  
 (31) 202111224537.2 (32) 19.10.21 (33) CN  
 (43) 04.05.2023  
 (72) ZHOU, Gongqing; HOU, Kun; TAN, Shixiang; YUAN, Taosheng  
 (74) James & Wells Intellectual Property
- 
- (71) Toshiba Energy Systems & Solutions Corporation  
 (11) AU-A-2022235553  
 (21) 2022235553 (22) 20.09.2022  
 (54) INTERCONNECTOR FOR SOLID-OXIDE ELECTROCHEMICAL CELL STACK AND SOLID-OXIDE ELECTROCHEMICAL CELL STACK  
 (51) Int. Cl.  
 H01M 8/0228 (2016.01)  
 H01M 8/021 (2016.01)  
 H01M 8/0297 (2016.01)  
 (31) 2021-169833 (32) 15.10.21 (33) JP  
 2022-140458 05.09.22 JP  
 (43) 04.05.2023  
 (72) KOBAYASHI, Shohei; KAMEDA, Tsuneji; ASAYAMA, Masahiro; YOSHINO,

- Masato; OSADA, Norikazu; INUZUKA, Riko  
 (74) Griffith Hack
- 
- (71) Transportation IP Holdings, LLC  
 (11) AU-A-2023202130  
 (21) 2023202130 (22) 06.04.2023  
 (54) SENSOR ASSEMBLY, DRYER, AND VEHICLE CONTROL SYSTEM USING THE SAME  
 (51) Int. Cl.  
 F24F 11/49 (2018.01)  
 B01D 53/18 (2006.01)  
 G05D 22/00 (2006.01)  
 F24F 110/20 (2018.01)  
 (43) 04.05.2023  
 (62) 2022200979  
 (72) Loch, Mark Elliott; Morrow, James; Patel, Niteen; Wedge, Leonard; Hughes, Donald L.; Babcock, J. Hunter  
 (74) PHILLIPS ORMONDE FITZPATRICK
- 
- (71) Tricida, Inc.  
 (11) AU-A-2023202111  
 (21) 2023202111 (22) 05.04.2023  
 (54) Compositions for and method of treating acid-base disorders  
 (51) Int. Cl.  
 A61K 31/13 (2006.01)  
 A61K 9/00 (2006.01)  
 A61K 9/10 (2006.01)  
 A61K 9/14 (2006.01)  
 A61K 9/20 (2006.01)  
 (43) 04.05.2023  
 (62) 2017261337  
 (72) Klaerner, Gerrit; Connor, Eric F.; Gbur, Randi K.; Kade, Matthew J.; Kierstead, Paul H.; Buysse, Jerry M.; Cope, Michael J.; Biyani, Kalpesh N.; Nguyen, Son H.; Tabakman, Scott M.  
 (74) Oxygene IP
- 
- (71) Trilink BioTechnologies, LLC  
 (11) AU-A-2023201915  
 (21) 2023201915 (22) 29.03.2023  
 (54) Compositions and methods for synthesizing 5'-Capped RNAs  
 (51) Int. Cl.  
 C07H 21/02 (2006.01)  
 A23L 33/13 (2016.01)  
 A61K 31/7115 (2006.01)  
 A61K 31/712 (2006.01)  
 (43) 04.05.2023  
 (62) 2021206780  
 (72) HOGREFE, Richard I.; LEBEDEV, Alexandre; MCCAFFREY, Anton P.; SHIN, Dongwon  
 (74) Spruson & Ferguson
- 
- (71) Tropic Biosciences UK Limited  
 (11) AU-A-2023202078  
 (21) 2023202078 (22) 04.04.2023  
 (54) Modifying the specificity of plant non-coding RNA molecules for silencing gene expression  
 (51) Int. Cl.  
 C12N 15/113 (2010.01)

- C12N 15/11 (2006.01)  
 C12N 15/82 (2006.01)  
 (43) 04.05.2023  
 (62) 2018336128  
 (72) MAORI, Eyal; GALANTY, Yaron; PIGNOCCHI, Cristina; CHAPARRO GARCIA, Angela; MEIR, Ofir  
 (74) Spruson & Ferguson
- 
- (71) U.S. Government as Represented by the Secretary of the Army  
 (11) AU-A-2023202013  
 (21) 2023202013 (22) 31.03.2023  
 (54) METHOD OF CREATING A FRAGMENTATION PATTERN ON A WARHEAD  
 (51) Int. Cl.  
 F42B 12/24 (2006.01)  
 F42B 12/32 (2006.01)  
 F42B 33/00 (2006.01)  
 (43) 04.05.2023  
 (62) 2017243193  
 (72) Manz, Paul C.; Magnotti, Phillip J.; Nguyen, Ductri H.  
 (74) Madderns Pty Ltd
- 
- (71) Unigen, Inc.  
 (11) AU-A-2023202242  
 (21) 2023202242 (22) 12.04.2023  
 (54) Series of skin-whitening (lightening) compounds  
 (51) Int. Cl.  
 C07C 39/15 (2006.01)  
 A61K 8/00 (2006.01)  
 A61K 31/00 (2006.01)  
 A61K 31/045 (2006.01)  
 A61K 31/341 (2006.01)  
 A61K 31/36 (2006.01)  
 A61K 31/44 (2006.01)  
 A61P 17/00 (2006.01)  
 C07C 39/11 (2006.01)  
 C07C 43/23 (2006.01)  
 C07C 45/74 (2006.01)  
 C07C 49/83 (2006.01)  
 C07D 213/30 (2006.01)  
 C07D 307/12 (2006.01)  
 C07D 307/42 (2006.01)  
 C07D 317/54 (2006.01)  
 (43) 04.05.2023  
 (62) 2021202804  
 (72) Nandy, Sandip K.; Liu, Jiyun; Nesterov, Alexandre Mikhailovitch; Hertel, Carmen; Padmapriya, Abeyasinghe A.  
 (74) Davies Collison Cave Pty Ltd
- 
- (71) University of Utah Research Foundation  
 (11) AU-A-2023202236  
 (21) 2023202236 (22) 12.04.2023  
 (54) Cross-linking agents and associated methods  
 (51) Int. Cl.  
 A61K 33/34 (2006.01)  
 A61K 9/00 (2006.01)  
 (43) 04.05.2023  
 (62) 2016396661  
 (72) Ambati, Balamurali K.; Uehara, Hiro-nori; Muddana, Santosh  
 (74) FB Rice Pty Ltd

Applications Open to Public Inspection - Name Index cont'd

---

(71) University of Washington  
 (11) AU-A-2023201735  
 (21) 2023201735 (22) 21.03.2023  
 (54) Therapeutic Nuclease Compositions and Methods  
 (51) Int. Cl.  
*A61K 38/47* ( 2006.01 )  
*C12N 9/16* ( 2006.01 )  
*C12N 9/22* ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2020202688  
 (72) LEDBETTER, Jeffrey A.; HAY-DEN-LEDBETTER, Martha; ELKON, Keith; SUN, Xizhang  
 (74) Spruson & Ferguson

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(71) UPL Ltd  
 (11) AU-A-2023202146  
 (21) 2023202146 (22) 06.04.2023  
 (54) NOVEL COMBINATIONS OF DEFOLIANTS  
 (51) Int. Cl.  
*A01N 59/00* ( 2006.01 )  
*A01N 37/48* ( 2006.01 )  
*A01N 57/20* ( 2006.01 )  
*A01N 61/00* ( 2006.01 )  
*A01P 13/00* ( 2006.01 )  
*A01P 15/00* ( 2006.01 )  
*A01P 21/00* ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2018367916  
 (72) GONGORA, Vicente Amadeu; MARCANDALLI, Luiz Henrique; FABRI, Carlos Eduardo; SHROFF, Jaidev Rajnikant; SHROFF, Vikram Rajnikant  
 (74) Churchill Attorneys

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**Vanderbeken, O. see Vanderbeken, C.**  
 (21) 2022202532

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**Vanderbeken, M. see Vanderbeken, C.**  
 (21) 2022202532

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(71) Vanderbeken, C.; Vanderbeken, O.; Vanderbeken, M.  
 (11) AU-A-2022202532  
 (21) 2022202532 (22) 19.04.2022  
 (54) SMALL FOOTPRINT PRE-TREATMENT PLANT AND DECENTRALIZED FOOD WASTE SEPARATION AND TREATMENT  
 (51) Int. Cl.  
*B65F 5/00* ( 2006.01 )  
*B01D 21/00* ( 2006.01 )  
*B03B 9/06* ( 2006.01 )  
*B65D 88/26* ( 2006.01 )  
*B65F 1/12* ( 2006.01 )  
*B65F 1/14* ( 2006.01 )  
*B65F 3/02* ( 2006.01 )  
*B65G 53/34* ( 2006.01 )  
 (31) 17/506,287 (32) 20.10.21 (33) US  
 (43) 04.05.2023  
 (72) Vanderbeken, Cedric; Vanderbeken, Olivier; Vanderbeken, Marc  
 (74) Cedric Jean-Luc Vanderbeken

---

(71) Vanderbilt University  
 (11) AU-A-2023202086  
 (21) 2023202086 (22) 04.04.2023  
 (54) Antagonists of the muscarinic acetylcholine receptor M4  
 (51) Int. Cl.  
*C07D 209/52* ( 2006.01 )  
*A61P 25/16* ( 2006.01 )  
*C07D 403/12* ( 2006.01 )  
*C07D 403/14* ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2018351651  
 (72) LINDSLEY, Craig W.; CONN, P.; ENGERS, Darren W.; ENGERS, Julie L.; TEMPLE, Kayla J.; BENDER, Aaron M.; BAKER, Logan A.  
 (74) Griffith Hack

---

(71) Veer Gear, LLC  
 (11) AU-A-2023201950  
 (21) 2023201950 (22) 30.03.2023  
 (54) Seat assembly and systems  
 (51) Int. Cl.  
*B62B 7/12* ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2020234543  
 (72) BOWMAN, Andrew; SCHROEDER, Brady; PERRIN, Thomas; MCKAY, Nicholas Douglas  
 (74) Spruson & Ferguson

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(71) Verily Life Sciences LLC  
 (11) AU-A-2023201944  
 (21) 2023201944 (22) 30.03.2023  
 (54) Insect singulation and classification  
 (51) Int. Cl.  
*B07C 5/02* ( 2006.01 )  
*B07C 5/36* ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2020268184  
 (72) CRISWELL, Victor; MASSARO, Peter  
 (74) Spruson & Ferguson

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(71) Verton IP Pty Ltd  
 (11) AU-A-2023201896  
 (21) 2023201896 (22) 28.03.2023  
 (54) Materials management systems and methods  
 (51) Int. Cl.  
*B66C 13/06* ( 2006.01 )  
*G06Q 10/06* ( 2023.01 )  
 (43) 04.05.2023  
 (62) 2021200439  
 (72) THOMSON, Stanley; MILLER, Andrew  
 (74) Spruson & Ferguson

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(71) Vid Scale, Inc.  
 (11) AU-A-2023202182  
 (21) 2023202182 (22) 11.04.2023  
 (54) Methods and apparatus for reducing the coding latency of decoder-side motion refinement  
 (51) Int. Cl.  
*H04N 19/52* ( 2014.01 )  
*H04N 19/436* ( 2014.01 )

*H04N 19/513* ( 2014.01 )  
*H04N 19/56* ( 2014.01 )  
*H04N 19/577* ( 2014.01 )  
 (43) 04.05.2023  
 (62) 2019295574  
 (72) XIU, Xiaoyu; HE, Yuwen; YE, Yan  
 (74) Spruson & Ferguson

---

(71) View, Inc.  
 (11) AU-A-2023201916  
 (21) 2023201916 (22) 29.03.2023  
 (54) Window antennas  
 (51) Int. Cl.  
*H01Q 1/22* ( 2006.01 )  
*H01Q 5/25* ( 2015.01 )  
*H01Q 9/40* ( 2006.01 )  
*H01Q 13/08* ( 2006.01 )  
*H01Q 15/00* ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2021250838  
 (72) SHRIVASTAVA, Dhairya; BROWN, Stephen Clark  
 (74) Spruson & Ferguson

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(71) Viseon, Inc.  
 (11) AU-A-2023202033  
 (21) 2023202033 (22) 03.04.2023  
 (54) CAMERA SYSTEM FOR USE WITH RETRACTORS  
 (51) Int. Cl.  
*A61B 1/05* ( 2006.01 )  
*A61B 1/06* ( 2006.01 )  
*A61B 17/02* ( 2006.01 )  
*A61B 90/30* ( 2016.01 )  
 (43) 04.05.2023  
 (62) 2021273512  
 (72) McIntyre, Todd D.; Pham, Anthony; Chhit, Ravut; Davis, Peter G.  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

---

(71) W.S.C. Sports Technologies Ltd.  
 (11) AU-A-2023202043  
 (21) 2023202043 (22) 03.04.2023  
 (54) System and method for creating and distributing multimedia content  
 (51) Int. Cl.  
*H04N 21/234* ( 2011.01 )  
*H04N 21/235* ( 2011.01 )  
 (43) 04.05.2023  
 (62) 2021200219  
 (72) Shichman, Daniel; Yoffe, Shmulik; Gal, Haim; Arnon, Aviv  
 (74) Griffith Hack

---

(71) Watgrid, S.A.  
 (11) AU-A-2023202268  
 (21) 2023202268 (22) 12.04.2023  
 (54) MONITORING SYSTEM FOR WINE-MAKING  
 (51) Int. Cl.  
*C12G 1/02* ( 2006.01 )  
*C12H 1/22* ( 2006.01 )  
*C12L 11/00* ( 2006.01 )  
*G01D 21/02* ( 2006.01 )  
*G01N 33/14* ( 2006.01 )

Applications Open to Public Inspection - Name Index cont'd

- (43) 04.05.2023  
 (62) 2019383774  
 (72) NUNES NOGUEIRA, Rogério; BOTAS BILRO, Lucia Maria; GONCALVES, Fabio Patricio Domingues; ESTIMA DA COSTA, Pedro Miguel; VENTURA DE SOUSA E CARVALHO PEREIRA, Ricardo José  
 (74) IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD
- 
- (71) Wayne Fueling Systems LLC  
 (11) AU-A-2023202227  
 (21) 2023202227 (22) 11.04.2023  
 (54) Management of fuel dispenser media  
 (51) Int. Cl.  
*B67D 7/04* ( 2010.01 )  
*B67D 7/08* ( 2010.01 )  
 (43) 04.05.2023  
 (62) 2017261795  
 (72) Fieglein, Henry; Kulvicki, Daniel  
 (74) Davies Collison Cave Pty Ltd
- 
- (71) WINBO-Dongjian Automotive Technology Co., Ltd.  
 (11) AU-A-2023202225  
 (21) 2023202225 (22) 11.04.2023  
 (54) NUT AND LEAD SCREW TYPE OPENING AND CLOSING MECHANISM FOR AUTOMATIC DOOR, AUTOMATIC VEHICLE DOOR, AND VEHICLE  
 (51) Int. Cl.  
*E05F 15/622* ( 2015.01 )  
*B60J 5/04* ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2019394054  
 (72) TANG, Weihang; RAO, Jingui; LIAO, Yonglin; DENG, Fei; MA, Yincai  
 (74) Madderns Pty Ltd
- 
- (71) Xbrane Biopharma AB  
 (11) AU-A-2023201976  
 (21) 2023201976 (22) 31.03.2023  
 (54) Novel combination of TIS sequence and signal peptide sequence for expressing a recombinant protein  
 (51) Int. Cl.  
*C12N 15/79* ( 2006.01 )  
*C07K 16/18* ( 2006.01 )  
*C12N 15/63* ( 2006.01 )  
*C12N 15/67* ( 2006.01 )  
 (43) 04.05.2023  
 (62) 2021239744  
 (72) Mirzadeh, Kiavash; Ramberg, Veronica; Chatzissavidou, Nathalie; Samuelson, Patrik; Bashiri, Siavash; Edebrink, Per; Stevenson, Joanne; Vikström, David  
 (74) FPA Patent Attorneys Pty Ltd
- 
- (71) Yodlee, Inc.  
 (11) AU-A-2022215149  
 (21) 2022215149 (22) 08.08.2022  
 (54) SYNTHESIZING USER TRANSACTIONAL DATA FOR DE-IDENTIFYING SENSITIVE INFORMATION  
 (51) Int. Cl.  
*G06F 21/60* ( 2013.01 )
- G06F 16/215* ( 2019.01 )  
*G06F 16/22* ( 2019.01 )  
*G06F 16/28* ( 2019.01 )  
*G06N 3/08* ( 2006.01 )  
*G06N 5/02* ( 2006.01 )  
*G06N 20/00* ( 2019.01 )  
*G06Q 40/02* ( 2012.01 )  
 (31) 17/506,508 (32) 20.10.21 (33) US  
 (43) 04.05.2023  
 (72) Singhal, Gaurav; Patil, Deepak; Mitra, Rahul; Adib, Atif  
 (74) Adams Pluck
- 
- Zhejiang Yunjie Technology Co., Ltd. see Kunming Tekang Technology Co., Ltd  
 (21) 2023202258
- 
- (71) ZINUS INC.  
 (11) AU-A-2023201483  
 (21) 2023201483 (22) 09.03.2023  
 (54) CONNECTOR, CONNECTOR ASSEMBLY FOR SOFA ASSEMBLY, AND SOFA ASSEMBLY  
 (51) Int. Cl.  
*F16B 7/04* ( 2006.01 )  
*A47C 4/02* ( 2006.01 )  
*A47C 17/02* ( 2006.01 )  
*A47C 7/62* ( 2006.01 )  
*A47C 17/86* ( 2006.01 )  
 (43) 04.05.2023  
 (62) PCT/CN2021/107501  
 (72) LEE, Younjae; BAE, Munhan; KIM, Keunyoung  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd



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<b>2021250933</b>	Minton Treharne & Davies Australia Pty Ltd and Dr P Cook; Minton, J.	<b>2023201883</b>	Recce Pharmaceuticals Ltd
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<b>2021250954</b>	ASPECT FURNITURE SYSTEMS LIMITED	<b>2023201886</b>	Allen, W.J.
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<b>2021254580</b>	I-Mei Foods Co., Ltd.; Kao, C.	<b>2023201902</b>	SharkNinja Operating LLC
<b>2021254596</b>	Mozafari, M.	<b>2023201905</b>	FISHER & PAYKEL HEALTHCARE LIMITED
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<b>2021290225</b>	Manozho, T.	<b>2023201908</b>	Suven Life Sciences Limited
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<b>2022231740</b>	Robertson, B.; Robertson, S.	<b>2023201924</b>	Gatekeeper Systems, Inc.
<b>2022231744</b>	Deere & Company	<b>2023201926</b>	California Institute of Technology; The Rockefeller University
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<b>2022231802</b>	Deere & Company	<b>2023201934</b>	Halliburton Energy Services, Inc.
<b>2022235547</b>	Freudenberg Medical, LLC	<b>2023201938</b>	The Board of Trustees of the Leland Stanford Junior University
<b>2022235553</b>	Toshiba Energy Systems & Solutions Corporation	<b>2023201941</b>	C.R. Bard, Inc.
<b>2022235602</b>	Deere & Company	<b>2023201943</b>	Grid Edge Limited
<b>2022235621</b>	Snap-on Incorporated	<b>2023201944</b>	Verily Life Sciences LLC
<b>2022241525</b>	Oerlikon Metco (US) Inc.	<b>2023201945</b>	Kumiai Chemical Industry Co., Ltd.
<b>2022241530</b>	ADA Cosmetics International GmbH	<b>2023201947</b>	GAPMED LIMITED; AD MAIORA LLC
<b>2022241542</b>	Caterpillar Global Mining Equipment LLC	<b>2023201949</b>	Pulse IP, LLC
<b>2022241588</b>	Tata Consultancy Services Limited	<b>2023201950</b>	Veer Gear, LLC
<b>2022246441</b>	Jesari, M.	<b>2023201954</b>	LivePerson, Inc.
<b>2022252694</b>	Decathlon	<b>2023201957</b>	Hayes, C.
<b>2022252728</b>	Nicotra Gebhardt GmbH	<b>2023201958</b>	ESCO Group LLC
<b>2022252733</b>	Rhino Rack Australia Pty Limited	<b>2023201960</b>	Osram Sylvania Inc.
<b>2022252787</b>	CNH Industrial America LLC	<b>2023201963</b>	Io Therapeutics, Inc
<b>2022252789</b>	Elspec Engineering Ltd.	<b>2023201967</b>	Acres Technology
<b>2022252802</b>	Oticon Medical A/S	<b>2023201968</b>	Qualcomm Incorporated
<b>2022252804</b>	Oticon Medical A/S	<b>2023201972</b>	AstraZeneca AB
<b>2022252830</b>	MAX CO., LTD.	<b>2023201974</b>	BLUESCOPE STEEL LIMITED
<b>2022252831</b>	Syrinx Ltd	<b>2023201975</b>	Bluescope Steel Limited
<b>2022252835</b>	Chevron U.S.A Inc.; GeoQuest Systems B.V.	<b>2023201976</b>	Xbrane Biopharma AB
<b>2022252841</b>	MAX CO., LTD.	<b>2023201978</b>	GALERA LABS, LLC
<b>2022252844</b>	GIANT MANUFACTURING CO., LTD.	<b>2023201980</b>	Grand Performance Online Pty Ltd
<b>2022256086</b>	Equifax Inc.	<b>2023201981</b>	Aristocrat Technologies, Inc.
<b>2022256095</b>	Freudenberg Medical, LLC	<b>2023201982</b>	Becton, Dickinson and Company
<b>2022256102</b>	CNH Industrial America LLC	<b>2023201985</b>	TalkShopLive, Inc.
<b>2022256107</b>	DSI Underground Australia Pty Limited	<b>2023201987</b>	The Board of Trustees of the Leland Stanford Junior University
<b>2022256120</b>	Samsung Electronics Co., Ltd.	<b>2023201988</b>	Huawei Technologies Co., Ltd.
<b>2022256133</b>	Graco Minnesota Inc.	<b>2023201989</b>	DePuy Synthes Products, Inc.
<b>2022256157</b>	Real-Time Robotics Inc; Luong, Q.; Phi, Q.	<b>2023201990</b>	Civitas Therapeutics, Inc.
<b>2022291551</b>	Tongwei Solar (Meishan) Co., Ltd.	<b>2023201992</b>	Oren Technologies, LLC
<b>2022325170</b>	Cambria Geosciences Inc.	<b>2023201993</b>	Oren Technologies, LLC
<b>2023201026</b>	Magic Leap, Inc.	<b>2023201994</b>	Oren Technologies, LLC
<b>2023201064</b>	Aspen Aerogels, Inc.	<b>2023201997</b>	ImmuneBiotech Medical Sweden AB
<b>2023201483</b>	ZINUS INC.	<b>2023201998</b>	Bayer HealthCare LLC
<b>2023201499</b>	Beijing Roborock Technology Co., Ltd.	<b>2023202000</b>	Grand Performance Online Pty Ltd
<b>2023201735</b>	University of Washington	<b>2023202001</b>	ResMed Pty Ltd
<b>2023201773</b>	Beam Therapeutics Inc.	<b>2023202003</b>	Neurim Pharmaceuticals Ltd.
<b>2023201805</b>	Gen-Probe Incorporated	<b>2023202008</b>	LivePerson, Inc.
<b>2023201855</b>	FLEXON PTE LTD	<b>2023202009</b>	Fisher & Paykel Healthcare Limited
<b>2023201867</b>	Illumina, Inc.	<b>2023202012</b>	Altronic Distributors Pty Ltd
<b>2023201871</b>	Google LLC	<b>2023202013</b>	U.S. Government as Represented by the Secretary of the Army
<b>2023201872</b>	Boehringer Ingelheim International GmbH	<b>2023202014</b>	LivePerson, Inc.
<b>2023201873</b>	ICU Medical, Inc.		
<b>2023201880</b>	Tencent America LLC		
<b>2023201882</b>	Nextracker LLC		

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2023202021	CFPH, LLC	2023202157	Libertas Bio, Inc.
2023202023	CFPH, LLC	2023202158	Thomson Reuters Global Resources Unlimited Company
2023202024	Abbott Diabetes Care Inc.	2023202159	Celgene Corporation
2023202028	Schlage Lock Company LLC	2023202164	Deco IP Pty Ltd
2023202032	Hip Innovation Technology, LLC	2023202169	Aristocrat Technologies Australia Pty Limited
2023202033	Viseon, Inc.	2023202173	Haleem, S.
2023202036	Alcon Inc.	2023202174	Sunovion Pharmaceuticals Inc.
2023202040	Quidient, LLC	2023202175	Hexamer Therapeutics, Inc.
2023202043	W.S.C. Sports Technologies Ltd.	2023202176	Bard Peripheral Vascular, Inc.
2023202046	Matheny Enterprises, LLC	2023202182	Vid Scale, Inc.
2023202048	Joy Global Underground Mining LLC	2023202184	EdiGene Therapeutics (Beijing) Inc.; Peking University
2023202051	Snap-on Incorporated	2023202185	SHAABAN, A.F.; THANDRA, V.
2023202052	Berkshire Biomedical Corporation	2023202187	Shearwater GeoServices Software Inc.
2023202053	HemoCept Inc.	2023202188	Air Products and Chemicals, Inc.
2023202056	Caribou Biosciences, Inc.	2023202189	Match Group, LLC
2023202057	MAKO Surgical Corp.	2023202190	Angel Group Co., Ltd.
2023202058	Cyclerion Therapeutics, Inc.	2023202194	Boston Scientific Scimed, Inc.
2023202061	Minesense Technologies Ltd.	2023202198	Garock Pty Ltd
2023202062	Qualcomm Incorporated	2023202202	SWIMC LLC
2023202064	SHAABAN, A.F.; THANDRA, V.	2023202203	St Vincent's Hospital Sydney Limited
2023202065	Marquette University	2023202204	Intuit Inc.
2023202069	GeoRoc International, Inc.	2023202208	Almag S.p.A.
2023202070	Concourse IP Pty Ltd	2023202211	Angel Group Co., Ltd.
2023202071	Tencent America LLC	2023202212	Koninklijke Philips N.V.
2023202072	Qualcomm Incorporated	2023202217	Cue Vapor Limited
2023202075	Alcresta Therapeutics, Inc.	2023202218	Bioverativ Therapeutics Inc.
2023202077	The Board Of Trustees Of The Leland Stanford Junior University	2023202220	Global Payment Technologies Australia
2023202078	Tropic Biosciences UK Limited	2023202221	ImmunoGen, Inc.
2023202079	nChain Holdings Limited	2023202223	LG Electronics Inc.
2023202080	Elanco US Inc.	2023202225	WINBO-Dongjian Automotive Technology Co., Ltd.
2023202081	Siemens Aktiengesellschaft	2023202226	Joy Global Underground Mining LLC
2023202082	Mediators Inc.	2023202227	Wayne Fueling Systems LLC
2023202084	Nalu Medical, Inc.	2023202228	Joy Global Underground Mining LLC
2023202085	Radius Pharmaceuticals, Inc.	2023202230	Kim, H.
2023202086	Vanderbilt University	2023202235	Dexcom, Inc.
2023202090	Cancer Research Technology Limited	2023202236	University of Utah Research Foundation
2023202095	S Wave International Corp	2023202237	Nicoventures Trading Limited
2023202097	Australian Pork Limited	2023202238	The Raymond Corporation
2023202100	Grabango Co.	2023202239	Illinois Tool Works Inc.
2023202101	Tencent America LLC	2023202240	Angel Group Co., Ltd.
2023202106	Brien Holden Vision Institute Limited	2023202241	ResMed Pty Ltd
2023202108	Inovio Pharmaceuticals, Inc.	2023202242	Unigen, Inc.
2023202110	AMVAC Hong Kong Limited	2023202243	Amgen Inc.
2023202111	Tricida, Inc.	2023202244	Tencent America LLC
2023202112	Dexcom, Inc.	2023202245	Somero Enterprises, Inc.
2023202114	Nexus Spine, LLC	2023202250	LOAM BIO PTY LTD
2023202115	Merit Medical Systems, Inc.	2023202251	Industriale Chimica S.r.l.
2023202118	THANDRA, V.; SHAABAN, A.F.	2023202252	LG Electronics Inc.
2023202119	Aristocrat Technologies Australia Pty Limited	2023202253	Samsung Electronics Co., Ltd.
2023202120	CloudBlue LLC	2023202254	ExxonMobil Upstream Research Company (EM-HC-N1-4A-607)
2023202121	Intrabio Limited	2023202256	CROWN EQUIPMENT CORPORATION
2023202122	Tencent America LLC	2023202258	Kunming Tekang Technology Co., Ltd; Zhejiang Yunjie Technology Co., Ltd.
2023202124	ResMed Pty Ltd	2023202259	Advance International Inc.
2023202125	Goldfinch Bio, Inc.	2023202260	Google LLC
2023202130	Transportation IP Holdings, LLC	2023202263	Qualcomm Incorporated
2023202131	Fisher & Paykel Healthcare Limited	2023202264	Huawei Technologies Co., Ltd.
2023202133	Netflix, Inc.	2023202266	Hytech Power, Inc.
2023202139	S. C. Johnson & Son, Inc.	2023202267	Bayer Healthcare LLC
2023202140	Sandon Global Engraving Technology Limited	2023202268	Watgrid, S.A.
2023202142	Mastix, LLC		
2023202143	Lion Group, Inc.		
2023202144	THANDRA, V.; SHAABAN, A.F.		
2023202145	Nilo Limited		
2023202146	UPL Ltd		
2023202147	New York Air Brake, LLC		
2023202148	Global Tel*Link Corporation		
2023202149	INX Software Pty Ltd		
2023202150	Rani Therapeutics, LLC		
2023202151	Dizal (Jiangsu) Pharmaceutical Co., Ltd.		
2023202152	ENDACE TECHNOLOGY LIMITED		

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<b>B07C 5 /-</b> 2023201944	<b>B32B 7 /-</b> 2022231740	<b>B65F 3 /-</b> 2022202532	<b>C07D 231 /-</b> 2023201972	<b>C08G 2 /-</b> 2023201883	<b>E01C 19 /-</b> 2023202245
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<b>B08B 17 /-</b> 2023202212	<b>B44D 3 /-</b> 2021254535	<b>B65G 53 /-</b> 2022202532	<b>C07D 307 /-</b> 2023202242	<b>C10K 3 /-</b> 2023202065	<b>E02F 9 /-</b> 2023201958 2023202061
<b>B08B 9 /-</b> 2023202082	<b>B60J 5 /-</b> 2023202225	<b>B65G 69 /-</b> 2023201992 2023201993 2023201994	<b>C07D 317 /-</b> 2023202242	<b>C10L 5 /-</b> 2023202065	<b>E04B 1 /-</b> 2021250954
<b>B21F 15 /-</b> 2022252830 2022252841	<b>B60K 7 /-</b> 2023202070	<b>B65H 75 /-</b> 2022203412	<b>C07D 401 /-</b> 2023201972 2023202151 2023202157	<b>C12G 1 /-</b> 2023202268	<b>E04B 5 /-</b> 2021250954
<b>B21G 3 /-</b> 2023202239	<b>B60R 9 /-</b> 2022252733	<b>B66C 13 /-</b> 2023201896	<b>C07D 403 /-</b> 2023202058 2023202086	<b>C12H 1 /-</b> 2023202268	<b>E04B 9 /-</b> 2021250954
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	<b>B62B 7 /-</b> 2023201950				

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<b>E05B 29 /-</b> 2021254553	<b>F02M 21 /-</b> 2023202266	<b>G01N 1 /-</b> 2021250933 2023202077	<b>G06F 12 /-</b> 2022256120	<b>G06N 10 /-</b> 2022256086	<b>G06V 10 /-</b> 2022204425 2022215320
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<b>E21B 47 /-</b> 2023202254	<b>F24B 13 /-</b> 2022246441	<b>G01R 31 /-</b> 2022252789	<b>G06F 40 /-</b> 2022204425 2023202008	<b>G09B 19 /-</b> 2023202143	<b>G08B 13 /-</b> 2023201924
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	<b>F25J 5 /-</b> 2023202188	<b>G02B 6 /-</b> 2023201026			

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<b><u>H01L 31 /-</u></b> 2022291551 2023201882	<b><u>H04N 1 /-</u></b> 2023202133	<b><u>H05K 5 /-</u></b> 2023201918
<b><u>H01M 8 /-</u></b> 2022235553 2022325170	<b><u>H04N 11 /-</u></b> 2023201880	<b><u>No IPC Mark</u></b>
<b><u>H01Q 1 /-</u></b> 2023201916	<b><u>H04N 19 /-</u></b> 2023201988 2023202062 2023202071 2023202101 2023202122 2023202182 2023202244 2023202264	
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<b><u>H02J 3 /-</u></b> 2022252789 2023201943	<b><u>H04S 3 /-</u></b> 2023201911	
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<b><u>H04L 12 /-</u></b> 2021250990		

**Innovation Patents Open to Public Inspection**

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

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(71) American Express Travel Related Services Co., Inc.  
 (11) AU-A-2023100031  
 (21) 2023100031 (22) 04.04.2023  
 (54) TRANSFERS USING CREDIT ACCOUNTS  
 (51) Int. Cl.  
     G06Q 20/04 ( 2012.01 )  
     G06Q 20/02 ( 2012.01 )  
     G06Q 20/06 ( 2012.01 )  
     G06Q 20/08 ( 2012.01 )  
     G06Q 20/10 ( 2012.01 )  
     G06Q 20/22 ( 2012.01 )  
     G06Q 20/38 ( 2012.01 )  
     G06Q 20/40 ( 2012.01 )  
 (45) 04.05.2023  
 (62) 2019361981  
 (72) DELIWALA, Manish; DOSTAL, Patrick; DUA, Anil; KROCHAK, Adam; SIMHA RAGHU, Mukund Shankar; VEERAIYAN, Vignesh  
 (74) FOUNDRY INTELLECTUAL PROPERTY PTY LTD

---

(71) AQUIRIAN TECHNOLOGY PTY LTD  
 (11) AU-A-2023100029  
 (21) 2023100029 (22) 27.03.2023  
 (54) A METHOD AND APPARATUS FOR PREVENTING ROCK FRAGMENTS FROM ENTERING OR COLLAPSING INTO A BLAST HOLE  
 (51) Int. Cl.  
     F42D 1/08 ( 2006.01 )  
     E21B 43/10 ( 2006.01 )  
     F42D 1/00 ( 2006.01 )  
 (45) 04.05.2023  
 (62) 2018303336  
 (72) PATCHING, Gregory  
 (74) Gestalt Law Pty Ltd

---

(71) Lipp, T.  
 (11) AU-A-2020104488  
 (21) 2020104488 (22) 08.01.2020  
 (54) Audio-video conferencing system of telemedicine  
 (51) Int. Cl.  
     G16H 40/67 ( 2018.01 )  
 (31) 10 2019 000 067.6 (32) 09.01.19 (33) DE  
 (45) 04.05.2023  
 (72) LIPP, Thomas  
 (74) BRM Patent Attorneys Pty Ltd

**Numerical Index**

**2020104488** Lipp, T.  
**2023100029** AQUIRIAN TECHNOLOGY PTY LTD  
**2023100031** American Express Travel Related Services Co., Inc.



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2023100031

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2020104488

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

<p>(71) 10X GENOMICS, INC.                      (11) AU-A-2021366701                      (21) 2021366701 (22) 21.10.2021                      (54) METHODS FOR SPATIAL ANALYSIS USING ROLLING CIRCLE AMPLIFICATION                      (51) Int. Cl.                      C12Q 1/682 ( 2018.01 )                      C12Q 1/6804 ( 2018.01 )                      G01N 33/53 ( 2006.01 )                      (87) WO2022/087273                      (31) 63/104,195 (32) 22.10.20 (33) US                      63/115,763 19.11.20 US                      (43) 28.04.2022                      (72) MIGNARDI, Marco                      (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd</p>	<p>(71) ACM BIOLABS PTE LTD                      (11) AU-A-2021396659                      (21) 2021396659 (22) 13.12.2021                      (54) MODULATING TH1/TH2 IMMUNE RESPONSE BY ADMINISTERING TWO POPULATIONS OF POLYMERSOMES HAVING AN ASSOCIATED ANTIGEN AND AN ASSOCIATED ADJUVANT                      (51) Int. Cl.                      A61K 39/39 ( 2006.01 )                      (87) WO2022/123070                      (31) 20213488.8 (32) 11.12.20 (33) EP                      (43) 16.06.2022                      (72) NALLANI, Madhavan; LAM, Jian Hang; DECAILLOT, Fabien; CORNELL, Thomas Andrew; KHAN, Amit Kumar                      (74) Oxygene IP</p>	<p>DRUG-RESISTANT MICROORGANISMS                      (51) Int. Cl.                      A61K 47/54 ( 2017.01 )                      A61K 38/04 ( 2006.01 )                      A61P 1/00 ( 2006.01 )                      A61P 31/04 ( 2006.01 )                      A61P 31/10 ( 2006.01 )                      C07K 7/06 ( 2006.01 )                      (87) WO2022/053706                      (31) 20195919.4 (32) 14.09.20 (33) EP                      (43) 17.03.2022                      (72) WEHKAMP, Jan; KÖNINGER, Louis                      (74) FB Rice Pty Ltd</p>
<p>(71) 2SEVENTY BIO, INC.                      (11) AU-A-2021330958                      (21) 2021330958 (22) 24.08.2021                      (54) BCMA CHIMERIC ANTIGEN RECEPTORS                      (51) Int. Cl.                      C07K 16/28 ( 2006.01 )                      (87) WO2022/046730                      (31) 63/069,784 (32) 25.08.20 (33) US                      (43) 03.03.2022                      (72) CONTRASTANO, Shannon Grande; KUIPER, Emily G.                      (74) Davies Collison Cave Pty Ltd</p>	<p>(71) ADEKA CORPORATION                      (11) AU-A-2021329119                      (21) 2021329119 (22) 19.08.2021                      (54) COMPOUND, ADDITIVE FOR SYNTHETIC RESIN, ADDITIVE COMPOSITION FOR SYNTHETIC RESIN, RESIN COMPOSITION, AND MOLDED ARTICLE OF SAME                      (51) Int. Cl.                      C07D 251/30 ( 2006.01 )                      C08K 5/3492 ( 2006.01 )                      C08L 23/00 ( 2006.01 )                      C08L 101/00 ( 2006.01 )                      (87) WO2022/039244                      (31) 2020-140377 (32) 21.08.20 (33) JP                      (43) 24.02.2022                      (72) MUTO Takashi; FUKUI Satoshi; UEDA Naoto                      (74) Spruson &amp; Ferguson</p>	<p>(71) ALBERT EINSTEIN COLLEGE OF MEDICINE                      (11) AU-A-2021342558                      (21) 2021342558 (22) 17.09.2021                      (54) COMBINATION THERAPY USING BAX ACTIVATOR AGENT                      (51) Int. Cl.                      A61K 31/415 ( 2006.01 )                      A61K 31/4152 ( 2006.01 )                      A61K 31/4155 ( 2006.01 )                      A61K 31/426 ( 2006.01 )                      A61K 31/427 ( 2006.01 )                      A61P 35/00 ( 2006.01 )                      (87) WO2022/061174                      (31) 63/079,720 (32) 17.09.20 (33) US                      63/109,097 03.11.20 US                      (43) 24.03.2022                      (72) GAVATHIOTIS, Evripidis                      (74) Spruson &amp; Ferguson</p>
<p>(71) Accu Target MediPharma (Shanghai) Co., Ltd.                      (11) AU-A-2021227084                      (21) 2021227084 (22) 09.02.2021                      (54) Flow adjusting assembly and flow-adjustable flexible cryoprobe                      (51) Int. Cl.                      A61B 18/02 ( 2006.01 )                      (87) WO2021/169800                      (31) 202010111100.7 (32) 24.02.20 (33) CN                      (43) 02.09.2021                      (72) YANG, Chi; CHANG, Zhaohua                      (74) Davies Collison Cave Pty Ltd</p>	<p>(71) ADS THERAPEUTICS LLC                      (11) AU-A-2021359003                      (21) 2021359003 (22) 08.10.2021                      (54) TOPICAL OPHTHALMOLOGICAL COMPOSITIONS                      (51) Int. Cl.                      A61K 31/02 ( 2006.01 )                      A61K 9/00 ( 2006.01 )                      (87) WO2022/076852                      (31) 63/089,263 (32) 08.10.20 (33) US                      17/317,551 11.05.21 US                      (43) 14.04.2022                      (72) NI, Jinsong; YANG, Rong                      (74) WRAYS PTY LTD</p>	<p>(71) ALBERT EINSTEIN COLLEGE OF MEDICINE                      (11) AU-A-2021347348                      (21) 2021347348 (22) 24.09.2021                      (54) ATTB CELL LINE, TRANSGENIC CELL LINES DERIVED THEREFROM, AND METHODS OF MAKING THE SAME                      (51) Int. Cl.                      C12N 5/16 ( 2006.01 )                      (87) WO2022/067034                      (31) 63/082,701 (32) 24.09.20 (33) US                      (43) 31.03.2022                      (72) JACOBS, William R.; LEUNG, Lawrence; LUKOSE, Regy; DE OLIVEIRA, Anna Paula                      (74) Spruson &amp; Ferguson</p>
<p>(71) ACKLAND, I.                      (11) AU-A-2021356239                      (21) 2021356239 (22) 11.10.2021                      (54) HANDWASHING APPARATUS                      (51) Int. Cl.                      G16H 40/00 ( 2018.01 )                      G16H 80/00 ( 2018.01 )                      (87) WO2022/074407                      (31) 2016082.6 (32) 09.10.20 (33) GB                      (43) 14.04.2022                      (72) Not Given                      (74) Caska Intellectual Property Pty Ltd</p>	<p>(71) AESCULUS BIO APS                      (11) AU-A-2021340243                      (21) 2021340243 (22) 14.09.2021                      (54) DEFENSIN FRAGMENT DERIVED LIPOPEPTIDES FOR TREATMENT OF</p>	<p>(71) ALCON INC.                      (11) AU-A-2021377491                      (21) 2021377491 (22) 14.10.2021                      (54) BIOMETRIC OCULAR MEASUREMENTS USING DEEP LEARNING                      (51) Int. Cl.                      G06V 40/19 ( 2022.01 )                      A61B 3/10 ( 2006.01 )                      G06N 3/08 ( 2023.01 )</p>

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- G06V 10/143** ( 2022.01 )  
**G06V 10/44** ( 2022.01 )  
**G06V 10/74** ( 2022.01 )  
**G06V 10/764** ( 2022.01 )  
**G06V 40/18** ( 2022.01 )  
**(87)** WO2022/101710  
**(31)** 63/113,860 **(32)** 14.11.20 **(33)** US  
**(43)** 19.05.2022  
**(72)** ANGELOPOULOS, Robert Dimitri;  
 STANFILL, Bryan  
**(74)** PHILLIPS ORMONDE FITZPATRICK
- 
- (71)** ALIGOS THERAPEUTICS, INC.  
**(11)** AU-A-2021360496  
**(21)** 2021360496 **(22)** 13.10.2021  
**(54)** BICYCLIC COMPOUNDS  
**(51)** Int. Cl.  
**C07D 487/04** ( 2006.01 )  
**A61P 31/12** ( 2006.01 )  
**C07D 519/00** ( 2006.01 )  
**(87)** WO2022/081758  
**(31)** 63/092,309 **(32)** 15.10.20 **(33)** US  
**(43)** 21.04.2022  
**(72)** VENDEVILLE, Sandrine; DEBING, Yan-  
 nick; STOYCHEVA, Antitsa, Dimitrova;  
 RABOISSON, Pierre, Jean-Marie, Bern-  
 ard  
**(74)** Spruson & Ferguson
- 
- (71)** ALS THERAPY DEVELOPMENT IN-  
 STITUTE  
**(11)** AU-A-2021331193  
**(21)** 2021331193 **(22)** 26.08.2021  
**(54)** COPPER COMPLEXES FOR TREAT-  
 MENT OF NEURODEGENERATIVE  
 DISORDERS  
**(51)** Int. Cl.  
**C07D 213/53** ( 2006.01 )  
**A61P 25/28** ( 2006.01 )  
**C07D 207/09** ( 2006.01 )  
**C07D 207/24** ( 2006.01 )  
**C07D 211/26** ( 2006.01 )  
**C07D 231/12** ( 2006.01 )  
**C07D 263/32** ( 2006.01 )  
**C07D 265/28** ( 2006.01 )  
**C07D 277/64** ( 2006.01 )  
**C07D 307/52** ( 2006.01 )  
**C07D 307/81** ( 2006.01 )  
**C07D 401/04** ( 2006.01 )  
**C07D 405/06** ( 2006.01 )  
**C07D 407/06** ( 2006.01 )  
**C07D 413/04** ( 2006.01 )  
**C07F 1/08** ( 2006.01 )  
**C07F 9/54** ( 2006.01 )  
**(87)** WO2022/047014  
**(31)** 63/070,792 **(32)** 26.08.20 **(33)** US  
**(43)** 03.03.2022  
**(72)** LUKASHEV, Matvey; PUSHECH-  
 NIKOV, Alexei; DEMIN, Peter;  
 DENTON, Kyle  
**(74)** FB Rice Pty Ltd
- 
- (71)** ALUMIS, INC.  
**(11)** AU-A-2021345181  
**(21)** 2021345181 **(22)** 16.09.2021  
**(54)** TYK2 INHIBITORS AND USES  
 THEREOF  
**(51)** Int. Cl.  
**C07D 498/18** ( 2006.01 )
- 
- A61K 31/5025** ( 2006.01 )  
**A61P 37/02** ( 2006.01 )  
**C07D 498/22** ( 2006.01 )  
**(87)** WO2022/060973  
**(31)** 63/079,217 **(32)** 16.09.20 **(33)** US  
**(43)** 24.03.2022  
**(72)** JIN, Bohan; DONG, Qing; HUNG, Gene  
**(74)** Spruson & Ferguson
- 
- (71)** AMGEN INC.  
**(11)** AU-A-2021351498  
**(21)** 2021351498 **(22)** 30.09.2021  
**(54)** METHODS OF DETECTING ISOAS-  
 PARTIC ACID  
**(51)** Int. Cl.  
**G01N 33/68** ( 2006.01 )  
**(87)** WO2022/072583  
**(31)** 63/086,557 **(32)** 01.10.20 **(33)** US  
 63/218,186 02.07.21 US  
**(43)** 07.04.2022  
**(72)** HUI, John On-Ting; CAMPUZANO, Iain  
 David Grant  
**(74)** Spruson & Ferguson
- 
- (71)** AMGEN INC.  
**(11)** AU-A-2021355381  
**(21)** 2021355381 **(22)** 22.09.2021  
**(54)** PREDICTIVE MODELING AND CON-  
 TROL OF CELL CULTURE  
**(51)** Int. Cl.  
**C12M 1/36** ( 2006.01 )  
**C12M 1/34** ( 2006.01 )  
**(87)** WO2022/072198  
**(31)** 63/086,417 **(32)** 01.10.20 **(33)** US  
**(43)** 07.04.2022  
**(72)** KHODABANDEHLOU, Hamid; WANG,  
 Tony, Y.; TULSYAN, Aditya  
**(74)** Spruson & Ferguson
- 
- (71)** AMGEN INC.  
**(11)** AU-A-2021358033  
**(21)** 2021358033 **(22)** 05.10.2021  
**(54)** RATIONAL SELECTION OF BUILDING  
 BLOCKS FOR THE ASSEMBLY OF  
 MULTISPECIFIC ANTIBODIES  
**(51)** Int. Cl.  
**C07K 16/00** ( 2006.01 )  
**C12N 15/09** ( 2006.01 )  
**(87)** WO2022/076474  
**(31)** 63/088,972 **(32)** 07.10.20 **(33)** US  
**(43)** 14.04.2022  
**(72)** GONG, Danyang; GARCES, Fernando;  
 WANG, Zhulun  
**(74)** Spruson & Ferguson
- 
- (71)** AMSTED RAIL COMPANY, INC.  
**(11)** AU-A-2021370459  
**(21)** 2021370459 **(22)** 07.10.2021  
**(54)** RAILWAY TRUCK ASSEMBLY HAVING  
 COMPRESSIBLE SIDE BEARINGS  
**(51)** Int. Cl.  
**B61F 5/14** ( 2006.01 )  
**(87)** WO2022/093508  
**(31)** 17/079,812 **(32)** 26.10.20 **(33)** US  
**(43)** 05.05.2022  
**(72)** HARRIS, Zachary, B.  
**(74)** WRAYS PTY LTD
- 
- (71)** ANTARES PHARMA, INC.  
**(11)** AU-A-2021345429  
**(21)** 2021345429 **(22)** 21.09.2021  
**(54)** AQUEOUS PHARMACEUTICAL FOR-  
 MULATION OF HYDROCORTISONE  
 SODIUM PHOSPHATE AND MONO-  
 THIOGLYCEROL  
**(51)** Int. Cl.  
**A61K 31/167** ( 2006.01 )  
**A61K 31/4439** ( 2006.01 )  
**A61K 31/565** ( 2006.01 )  
**(87)** WO2022/061303  
**(31)** 63/081,164 **(32)** 21.09.20 **(33)** US  
**(43)** 24.03.2022  
**(72)** CHEN, Xiaoming; ONG, Shaowei  
**(74)** Spruson & Ferguson
- 
- (71)** APRILBIO CO., LTD.  
**(11)** AU-A-2021352174  
**(21)** 2021352174 **(22)** 29.09.2021  
**(54)** RECOMBINANT FUSION PROTEINS  
 COMPRISING INTERLEUKIN- 18-  
 BINDING PROTEIN AND ANTIGEN  
 BINDING FRAGMENT TO SERUM AL-  
 BUMIN, AND COMPOSITIONS AND  
 USES THEREOF  
**(51)** Int. Cl.  
**C07K 14/00** ( 2006.01 )  
**A61K 38/00** ( 2006.01 )  
**A61P 17/06** ( 2006.01 )  
**A61P 19/02** ( 2006.01 )  
**A61P 21/00** ( 2006.01 )  
**A61P 29/00** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07K 16/18** ( 2006.01 )  
**C12N 15/62** ( 2006.01 )  
**(87)** WO2022/070112  
**(31)** 10-2020-0127395 **(32)** 29.09.20 **(33)** KR  
**(43)** 07.04.2022  
**(72)** CHA, Sang Hoon  
**(74)** Davies Collison Cave Pty Ltd
- 
- (71)** AQSEPTENCE GROUP, INC.  
**(11)** AU-A-2021339848  
**(21)** 2021339848 **(22)** 14.09.2021  
**(54)** ANTI-ROTATIONAL PIPE COUPLING  
**(51)** Int. Cl.  
**F16L 15/04** ( 2006.01 )  
**(87)** WO2022/056469  
**(31)** 63/078,296 **(32)** 14.09.20 **(33)** US  
**(43)** 17.03.2022  
**(72)** LEAVITT, Clarence  
**(74)** FB Rice Pty Ltd
- 
- (71)** AQUASYS LLC  
**(11)** AU-A-2021336525  
**(21)** 2021336525 **(22)** 03.09.2021  
**(54)** SYNTHETIC AGRICULTURAL  
 SENSOR  
**(51)** Int. Cl.  
**A01B 79/00** ( 2006.01 )  
**A01C 21/00** ( 2006.01 )  
**G06Q 50/02** ( 2012.01 )  
**(87)** WO2022/051617  
**(31)** 63/074,674 **(32)** 04.09.20 **(33)** US

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

- (43) 10.03.2022  
 (72) KOEPEL, Adam; LOCKE, Tyler; KELLY, Kevin  
 (74) WRAYS PTY LTD
- 
- (71) ASAHU GROUP HOLDINGS, LTD.; ASAHU BREWERIES, LTD.  
 (11) AU-A-2021348877  
 (21) 2021348877 (22) 15.09.2021  
 (54) LIQUID SUPPLY SYSTEM, AND LIQUID LOSS REDUCTION METHOD  
 (51) Int. Cl.  
*B67D 1/04* ( 2006.01 )  
*B67D 1/08* ( 2006.01 )  
 (87) WO2022/065157  
 (31) 2020-160868 (32) 25.09.20 (33) JP  
 (43) 31.03.2022  
 (72) YAMASHITA, Naoyuki; KITANO, Junichi; WADA, Takashi; KUSUNOKI, Kenji; NISHIO, Takashi  
 (74) Spruson & Ferguson
- 
- (71) ASAHU KASEI PHARMA CORPORATION; VERNALIS (R&D) LIMITED  
 (11) AU-A-2020470423  
 (21) 2020470423 (22) 30.09.2020  
 (54) MACROCYCLE COMPOUND  
 (51) Int. Cl.  
*C07D 498/18* ( 2006.01 )  
*A61K 31/4995* ( 2006.01 )  
*A61K 31/506* ( 2006.01 )  
*A61P 29/00* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
 (87) WO2022/070287  
 (43) 07.04.2022  
 (72) ITO Takahiko; TAKASHIMA Misato; ATOBE Masakazu; ARAI Koichiro; TOYAMA Tomohisa; YOSHII Yu; POTTER Andrew John; MADDOX Daniel Paul; RAY Stuart; FOLOPPE Nicolas  
 (74) Griffith Hack
- 
- (71) ASAHU KASEI PHARMA CORPORATION; VERNALIS (R&D) LIMITED  
 (11) AU-A-2020471055  
 (21) 2020471055 (22) 30.09.2020  
 (54) NITROGEN-CONTAINING BICYCLIC COMPOUND WHICH CONTAINS PYRIMIDINE  
 (51) Int. Cl.  
*C07D 417/04* ( 2006.01 )  
*C07D 417/14* ( 2006.01 )  
*C07D 471/04* ( 2006.01 )  
*C07D 491/08* ( 2006.01 )  
*C07D 491/10* ( 2006.01 )  
*C07D 498/08* ( 2006.01 )  
 (87) WO2022/070289  
 (43) 07.04.2022  
 (72) ARAI Koichiro; TAKABA Kenichiro; ATOBE Masakazu; TAKASHIMA Misato; AONO Naomi; POTTER Andrew John; MADDOX Daniel Paul  
 (74) Griffith Hack
- 
- (71) ATLAS COPCO AIRPOWER, NAAMLOZE VENNOOTSCHAP  
 (11) AU-A-2021356264  
 (21) 2021356264 (22) 28.09.2021  
 (54) DEVICE AND METHOD FOR DRYING COMPRESSED GAS AND A COMPRESSOR INSTALLATION PROVIDED WITH SUCH DEVICE  
 (51) Int. Cl.  
*B01D 53/26* ( 2006.01 )  
 (87) WO2022/074507  
 (31) 2020/5702 (32) 09.10.20 (33) BE  
 (43) 14.04.2022  
 (72) HERMANS, Hans Maria Karel  
 (74) Davies Collison Cave Pty Ltd
- 
- (71) AUDACY OPERATIONS, INC.  
 (11) AU-A-2021352392  
 (21) 2021352392 (22) 29.09.2021  
 (54) SYSTEM AND METHOD FOR DYNAMIC PLAYBACK SWITCHING OF LIVE AND PREVIOUSLY RECORDED AUDIO CONTENT  
 (51) Int. Cl.  
*H04N 21/439* ( 2011.01 )  
 (87) WO2022/072419  
 (31) 17/221,522 (32) 02.04.21 (33) US  
 17/036,153 29.09.20 US  
 (43) 07.04.2022  
 (72) PACINO, John, Michael; BOOTH, Nicholas, Constantine; CROWLEY, John, David  
 (74) Spruson & Ferguson
- 
- (71) AUDACY OPERATIONS, INC.  
 (11) AU-A-2021353497  
 (21) 2021353497 (22) 29.09.2021  
 (54) SYSTEM AND METHODS OF REAL-TIME CREATION OF ELECTRONIC PROGRAMMING GUIDES FOR RADIO BROADCASTS  
 (51) Int. Cl.  
*H04H 20/33* ( 2008.01 )  
*H04H 60/72* ( 2008.01 )  
*H04N 5/60* ( 2006.01 )  
 (87) WO2022/072413  
 (31) 17/036,165 (32) 29.09.20 (33) US  
 17/224,243 07.04.21 US  
 (43) 07.04.2022  
 (72) PACINO, John, Michael; BOOTH, Nicholas, Constantine; CROWLEY, John, David  
 (74) Spruson & Ferguson
- 
- (71) AUTOMATIC TIMING & CONTROLS, INC.  
 (11) AU-A-2021342593  
 (21) 2021342593 (22) 16.09.2021  
 (54) ULTRA-LOW LEAKAGE TEST VERIFICATION CIRCUIT  
 (51) Int. Cl.  
*G01R 31/27* ( 2006.01 )  
*G01R 31/28* ( 2006.01 )  
*G01R 31/40* ( 2020.01 )  
*G01R 31/50* ( 2020.01 )  
*G01R 31/52* ( 2020.01 )  
*G01R 31/54* ( 2020.01 )  
 (87) WO2022/061349  
 (31) 16/948,405 (32) 17.09.20 (33) US  
 (43) 24.03.2022  
 (72) CLARKE, Roger  
 (74) Spruson & Ferguson
- 
- (71) AVICEDA THERAPEUTICS, INC.  
 (11) AU-A-2021342497  
 (21) 2021342497 (22) 16.09.2021  
 (54) SIALIC-ACID LIGAND DECORATED THERAPEUTICS  
 (51) Int. Cl.  
*A61K 47/69* ( 2017.01 )  
*A61K 47/59* ( 2017.01 )  
*A61K 47/60* ( 2017.01 )  
*A61P 27/02* ( 2006.01 )  
*A61P 29/00* ( 2006.01 )  
*A61P 31/00* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
 (87) WO2022/060984  
 (31) 63/079,292 (32) 16.09.20 (33) US  
 (43) 24.03.2022  
 (72) TOLENTINO, Michael; KUNIMOTO, Derek, Y.; KRISHNAN, Anitha; GENEAD, Mohamed, A.; SHINDE, Rajesh, R.; BOONS, Gerardus, J.P.H.; LIU, Qiang; PRUDDEN, Anthony, R.; CHOPRA, Pradeep  
 (74) Spruson & Ferguson
- 
- (71) AXCESO BIOPHARMA CO.,LTD.  
 (11) AU-A-2021344164  
 (21) 2021344164 (22) 15.09.2021  
 (54) PYRIMIDOPYRIMIDINONE COMPOUND AND PHARMACEUTICAL COMPOSITION COMPRISING SAME  
 (51) Int. Cl.  
*C07D 487/04* ( 2006.01 )  
*A61K 31/519* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
 (87) WO2022/060094  
 (31) 10-2020-0119100 (32) 16.09.20 (33) KR  
 (43) 24.03.2022  
 (72) PARK, Young Jun; PARK, Sung Jun; YOO, Hyebin; SONG, Hyunnam; YUN, Si-Eun; PARK, Sojin; KIM, Joon Woo; YOON, Sung Il  
 (74) Spruson & Ferguson
- 
- (71) AXON ENTERPRISE, INC.  
 (11) AU-A-2021332348  
 (21) 2021332348 (22) 26.08.2021  
 (54) EXPANDABLE BUMPER FOR AN ELECTRODE  
 (51) Int. Cl.  
*F41H 13/00* ( 2006.01 )  
 (87) WO2022/047073  
 (31) 63/071,928 (32) 28.08.20 (33) US  
 (43) 03.03.2022  
 (72) ZEKANOVIC, Dubravko; NEMTY-SHKIN, Oleg  
 (74) WRAYS PTY LTD
- 
- (71) AXON ENTERPRISE, INC.  
 (11) AU-A-2021335205  
 (21) 2021335205 (22) 25.08.2021  
 (54) SPHERICAL JOINT WITH LEVELING AND PANNING CAPABILITY  
 (51) Int. Cl.  
*F16M 13/04* ( 2006.01 )  
*F16C 11/06* ( 2006.01 )  
*F16M 13/02* ( 2006.01 )

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

- (87) WO2022/046883  
 (31) 63/070,068 (32) 25.08.20 (33) US  
 (43) 03.03.2022  
 (72) GROVER, Benjamin A.; EASTWOOD, Mark J.; BULLOCK, James Blake; OROL, Daniel H.  
 (74) WRAYS PTY LTD
- 
- (71) BAOSHAN IRON & STEEL CO., LTD.  
 (11) AU-A-2021332868  
 (21) 2021332868 (22) 26.08.2021  
 (54) GPA-GRADE BAINITE STEEL HAVING ULTRA-HIGH YIELD RATIO AND MANUFACTURING METHOD FOR GPA-GRADE BAINITE STEEL  
 (51) Int. Cl.  
 C22C 38/02 ( 2006.01 )  
 C21D 1/26 ( 2006.01 )  
 C21D 6/00 ( 2006.01 )  
 C21D 8/02 ( 2006.01 )  
 C21D 9/00 ( 2006.01 )  
 C21D 9/52 ( 2006.01 )  
 C22C 38/04 ( 2006.01 )  
 C22C 38/06 ( 2006.01 )  
 C22C 38/12 ( 2006.01 )  
 C22C 38/20 ( 2006.01 )  
 C22C 38/22 ( 2006.01 )  
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 C22C 38/26 ( 2006.01 )  
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 C22C 38/32 ( 2006.01 )  
 C22C 38/38 ( 2006.01 )  
 C22C 38/44 ( 2006.01 )  
 C22C 38/50 ( 2006.01 )  
 C22C 38/54 ( 2006.01 )  
 C22C 38/58 ( 2006.01 )
- (87) WO2022/042622  
 (31) 202010879001.3 (32) 27.08.20 (33) CN  
 (43) 03.03.2022  
 (72) ZHANG, Hanlong; ZHANG, Yulong; LIU, Chunsu; JIN, Xinyan  
 (74) Davies Collison Cave Pty Ltd
- 
- (71) BARD ACCESS SYSTEMS, INC.  
 (11) AU-A-2021350091  
 (21) 2021350091 (22) 24.09.2021  
 (54) IMPROVED MAGNETIC TRAJECTORY PREDICTION AND POSITION IDENTIFICATION  
 (51) Int. Cl.  
 A61B 17/34 ( 2006.01 )  
 A61B 34/20 ( 2016.01 )
- (87) WO2022/067108  
 (31) 63/083,624 (32) 25.09.20 (33) US  
 (43) 31.03.2022  
 (72) TRAN, Huy, Ngoc; DIAMOND, Jordan, P.; WESTWOOD, Paul, T.; LENGYEL, Andrew, J.; TEERLINK, Trevor; MISENER, Anthony, K.  
 (74) FB Rice Pty Ltd
- 
- (71) BD KESTRA B.V.  
 (11) AU-A-2021356027  
 (21) 2021356027 (22) 30.09.2021  
 (54) SYSTEM FOR OBTAINING IMAGE OF A PLATED CULTURE DISH USING AN IMAGING DEVICE HAVING A TELECENTRIC LENS  
 (51) Int. Cl.
- C12M 1/22 ( 2006.01 )  
 C12M 1/34 ( 2006.01 )  
 G01N 35/00 ( 2006.01 )
- (87) WO2022/073847  
 (31) 63/088,695 (32) 07.10.20 (33) US  
 (43) 14.04.2022  
 (72) MARCELPOIL, Raphael R.; PETRI, Roger; FERNANDES, Mathieu Julien; THIECKE, Johannes Wijnandus  
 (74) FB Rice Pty Ltd
- 
- (71) BECTON, DICKINSON AND COMPANY  
 (11) AU-A-2021331640  
 (21) 2021331640 (22) 31.08.2021  
 (54) FLUID TRANSFER SYSTEM FOR DRUG DELIVERY DEVICE  
 (51) Int. Cl.  
 A61M 39/22 ( 2006.01 )  
 A61M 5/142 ( 2006.01 )  
 A61M 5/145 ( 2006.01 )  
 A61M 5/158 ( 2006.01 )  
 A61M 5/168 ( 2006.01 )  
 A61M 5/24 ( 2006.01 )
- (87) WO2022/047355  
 (31) 63/072,625 (32) 31.08.20 (33) US  
 (43) 03.03.2022  
 (72) CLASEN, Eric, Scott  
 (74) FB Rice Pty Ltd
- 
- (71) BECTON, DICKINSON AND COMPANY  
 (11) AU-A-2021343194  
 (21) 2021343194 (22) 14.09.2021  
 (54) METHOD OF THROMBUS REMOVAL AND RELATED DEVICES AND SYSTEMS  
 (51) Int. Cl.  
 A61B 17/22 ( 2006.01 )  
 A61B 17/221 ( 2006.01 )  
 A61F 2/01 ( 2006.01 )  
 A61F 2/06 ( 2013.01 )
- (87) WO2022/060684  
 (31) 63/078,706 (32) 15.09.20 (33) US  
 (43) 24.03.2022  
 (72) MCLAUGHLIN, Robert; SOWARDS, Steffan; ANDERSON, Devan; MISENER, Anthony  
 (74) FB Rice Pty Ltd
- 
- (71) BECTON, DICKINSON AND COMPANY  
 (11) AU-A-2021343520  
 (21) 2021343520 (22) 20.09.2021  
 (54) BLOOD COLLECTION DEVICES, SYSTEMS, AND METHODS TO FACILITATE AIR PRIMING  
 (51) Int. Cl.  
 A61B 5/15 ( 2006.01 )  
 A61B 5/154 ( 2006.01 )  
 A61M 5/32 ( 2006.01 )
- (87) WO2022/061217  
 (31) 63/081,091 (32) 21.09.20 (33) US  
 (43) 24.03.2022  
 (72) JIANG, Tao  
 (74) FB Rice Pty Ltd
- 
- (71) BECTON, DICKINSON AND COMPANY  
 (11) AU-A-2021344330  
 (21) 2021344330 (22) 14.09.2021  
 (54) CATHETER ASSEMBLY WITH ANGLE CHANGING AND RELATED METHODS  
 (51) Int. Cl.  
 A61M 25/02 ( 2006.01 )
- (87) WO2022/060680  
 (31) 63/078,638 (32) 15.09.20 (33) US  
 (43) 24.03.2022  
 (72) BLANCHARD, Curtis, H.; HARDING, Weston, F.; SCHERICH, Megan; BURKHOLZ, Jonathan, Karl  
 (74) FB Rice Pty Ltd
- 
- (71) BECTON, DICKINSON AND COMPANY  
 (11) AU-A-2021347130  
 (21) 2021347130 (22) 20.09.2021  
 (54) CANNULA FOR VIAL ADAPTER  
 (51) Int. Cl.  
 A61J 1/14 ( 2023.01 )  
 A61J 1/20 ( 2006.01 )  
 A61M 39/10 ( 2006.01 )  
 F16L 37/084 ( 2006.01 )  
 F16L 37/14 ( 2006.01 )
- (87) WO2022/066571  
 (31) 17/030,049 (32) 23.09.20 (33) US  
 (43) 31.03.2022  
 (72) HSIEH, Pei-Ying  
 (74) FB Rice Pty Ltd
- 
- (71) BECTON, DICKINSON AND COMPANY  
 (11) AU-A-2021347245  
 (21) 2021347245 (22) 23.09.2021  
 (54) MEDICAL INJECTION DEVICE HAVING A BIASING COMPONENT ENGAGEABLE WITH A PLUNGER ROD  
 (51) Int. Cl.  
 A61M 5/31 ( 2006.01 )  
 A61M 3/00 ( 2006.01 )  
 A61M 5/00 ( 2006.01 )  
 A61M 5/142 ( 2006.01 )  
 A61M 5/178 ( 2006.01 )  
 A61M 5/315 ( 2006.01 )
- (87) WO2022/066870  
 (31) 63/083,588 (32) 25.09.20 (33) US  
 (43) 31.03.2022  
 (72) SIMMONS, Stephen, C.; LEIBOWITZ, Evan; ROTHERY, David; SIMANTIRAS, Stephen  
 (74) FB Rice Pty Ltd
- 
- (71) BECTON, DICKINSON AND COMPANY  
 (11) AU-A-2021347257  
 (21) 2021347257 (22) 23.09.2021  
 (54) MEDICAL INJECTION DEVICE WITH A RETAINED BIASING COMPONENT  
 (51) Int. Cl.  
 A61M 5/24 ( 2006.01 )  
 A61M 5/20 ( 2006.01 )
- (87) WO2022/066930  
 (31) 63/083,577 (32) 25.09.20 (33) US

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- (43) 31.03.2022  
(72) GROSCHOPF, Roger; LEIBOWITZ, Evan  
(74) FB Rice Pty Ltd
- 
- (71) BECTON, DICKINSON AND COMPANY  
(11) AU-A-2021360726  
(21) 2021360726 (22) 04.10.2021  
(54) CATHETER ASSEMBLY WITH DIRECTIONAL PORT OPENING  
(51) Int. Cl.  
A61M 25/00 ( 2006.01 )  
A61M 25/06 ( 2006.01 )  
A61M 39/22 ( 2006.01 )  
(87) WO2022/081363  
(31) 63/090,585 (32) 12.10.20 (33) US  
17/490,989 30.09.21 US  
(43) 21.04.2022  
(72) MA, Yiping  
(74) FB Rice Pty Ltd
- 
- (71) BECTON, DICKINSON AND COMPANY  
(11) AU-A-2021362650  
(21) 2021362650 (22) 04.10.2021  
(54) INTRODUCER SHEATH HAVING A DISPLACEMENT SENSOR  
(51) Int. Cl.  
A61M 25/01 ( 2006.01 )  
A61B 5/06 ( 2006.01 )  
A61B 17/00 ( 2006.01 )  
A61M 25/00 ( 2006.01 )  
A61M 25/06 ( 2006.01 )  
A61M 25/09 ( 2006.01 )  
(87) WO2022/081364  
(31) 63/090,572 (32) 12.10.20 (33) US  
17/492,361 01.10.21 US  
(43) 21.04.2022  
(72) HEBERT, Casey  
(74) FB Rice Pty Ltd
- 
- (71) BECTON DICKINSON FRANCE; BECTON, DICKINSON AND COMPANY  
(11) AU-A-2021346114  
(21) 2021346114 (22) 15.09.2021  
(54) MEDICAL CONTAINER COMPRISING AN RFID TAG FOR REMOTE IDENTIFICATION  
(51) Int. Cl.  
G06K 19/077 ( 2006.01 )  
A61M 5/00 ( 2006.01 )  
G06K 7/00 ( 2006.01 )  
G06M 1/00 ( 2006.01 )  
G16H 20/17 ( 2018.01 )  
(87) WO2022/058394  
(31) 20306050.4 (32) 18.09.20 (33) EP  
(43) 24.03.2022  
(72) RIVIER, Cédric; EUVRARD, Nicolas  
(74) FB Rice Pty Ltd
- 
- (71) BECTON DICKINSON FRANCE  
(11) AU-A-2021375276  
(21) 2021375276 (22) 04.11.2021  
(54) HEADER BAG FOR PACKAGING AT LEAST ONE MEDICAL DEVICE  
(51) Int. Cl.  
B65D 79/02 ( 2006.01 )
- 
- A61L 2/26 ( 2006.01 )  
B65D 79/00 ( 2006.01 )  
(87) WO2022/096557  
(31) 20306345.8 (32) 06.11.20 (33) EP  
(43) 12.05.2022  
(72) LE LOC'H, Clémentine; RIVIER, Cédric; LEHEE, Guillaume; CHABANON, Jean-Marc  
(74) FB Rice Pty Ltd
- 
- (71) BEIJING CENTURY TAL EDUCATION TECHNOLOGY CO., LTD.  
(11) AU-A-2021336957  
(21) 2021336957 (22) 28.07.2021  
(54) SPEECH FORCED ALIGNMENT MODEL EVALUATION METHOD AND APPARATUS, ELECTRONIC DEVICE, AND STORAGE MEDIUM  
(51) Int. Cl.  
G10L 13/02 ( 2013.01 )  
G10L 13/08 ( 2013.01 )  
G10L 15/01 ( 2013.01 )  
G10L 25/27 ( 2013.01 )  
G10L 25/48 ( 2013.01 )  
G10L 25/69 ( 2013.01 )  
(87) WO2022/048354  
(31) 202010925650.2 (32) 07.09.20 (33) CN  
(43) 10.03.2022  
(72) GUO, Lizhao; YANG, Song; YUAN, Junfeng  
(74) Madders Pty Ltd
- 
- (71) BEIJING JINGKELUN ENGINEERING DESIGN AND RESEARCH INSTITUTE CO., LTD.  
(11) AU-A-2021349807  
(21) 2021349807 (22) 14.09.2021  
(54) SINGLE-STAGE CARBON DIOXIDE MULTI-SPLIT COOLING AND HEATING MULTIFUNCTIONAL CENTRAL AIR CONDITIONER  
(51) Int. Cl.  
F25B 9/00 ( 2006.01 )  
F24F 3/00 ( 2006.01 )  
F25B 13/00 ( 2006.01 )  
(87) WO2022/062953  
(31) 202011014307.9 (32) 24.09.20 (33) CN  
(43) 31.03.2022  
(72) YANG, Jianguo; ZHOU, Chengjun; XIE, Weibo; WANG, Quanjiang; KANG, Jianhui; ZHANG, Jilong; ZHAO, Hui; HAO, Lixuan; MAO, Tongqin; CAO, Wenjie; CHAO, Haiying; LI, Jiujiang; ZENG, Xi-anting; YANG, Shiheng  
(74) Davies Collison Cave Pty Ltd
- 
- (71) BEIJING SONGRUN PHARMACEUTICAL TECHNOLOGY CO., LTD.  
(11) AU-A-2021328979  
(21) 2021328979 (22) 19.08.2021  
(54) PYRAZOLE BORONIC ACID COMPOUND, PHARMACEUTICAL COMPOSITION CONTAINING SAME, AND USES THEREOF  
(51) Int. Cl.  
C07F 5/02 ( 2006.01 )  
A61K 31/69 ( 2006.01 )  
A61P 35/00 ( 2006.01 )  
(87) WO2022/037648
- 
- (31) 202010835794.9 (32) 19.08.20 (33) CN  
(43) 24.02.2022  
(72) LI, Runtao; WANG, Yuanqiang; HAN, Liqiang; SONG, Zhuanzhuan; GE, Zemei; WANG, Xin  
(74) PHILLIPS ORMONDE FITZPATRICK
- 
- (71) BEIJING TIANNUOJIANCHENG PHARMA TECH CO., LTD.  
(11) AU-A-2021330879  
(21) 2021330879 (22) 26.08.2021  
(54) DEVELOPMENT OF DRUG THERAPEUTIC AGENT CONTAINING ADAPTOR AND USE THEREOF  
(51) Int. Cl.  
C07K 16/46 ( 2006.01 )  
A61K 39/395 ( 2006.01 )  
A61K 47/68 ( 2017.01 )  
A61P 35/00 ( 2006.01 )  
A61P 35/02 ( 2006.01 )  
C12N 15/13 ( 2006.01 )  
(87) WO2022/042661  
(31) 202010873215.X (32) 26.08.20 (33) CN  
(43) 03.03.2022  
(72) WANG, Ying; XU, Gang; CHEN, Bo  
(74) PHILLIPS ORMONDE FITZPATRICK
- 
- (71) BEYOND AIR, INC.  
(11) AU-A-2021330691  
(21) 2021330691 (22) 27.08.2021  
(54) TREATMENT OF PRIMARY AND/OR SECONDARY LUNG TUMORS USING GASEOUS NITRIC OXIDE INHALATION  
(51) Int. Cl.  
A61K 33/00 ( 2006.01 )  
A61M 16/00 ( 2006.01 )  
(87) WO2022/043931  
(31) 63/071,573 (32) 28.08.20 (33) US  
(43) 03.03.2022  
(72) CONFINO, Hila; GOLDSHTEIN, Matan; YARKONI, Shay; LERNER, Omer; KEKEL, Elya; PUYESKY, Shani; LISI, Steven A.; KALAORA, Rinat; AVNIEL, Amir  
(74) Davies Collison Cave Pty Ltd
- 
- (71) B-HIVE INNOVATIONS LIMITED  
(11) AU-A-2021350502  
(21) 2021350502 (22) 24.09.2021  
(54) A CROP SCANNING SYSTEM, PARTS THEREOF, AND ASSOCIATED METHODS  
(51) Int. Cl.  
A01D 33/00 ( 2006.01 )  
G01S 13/08 ( 2006.01 )  
(87) WO2022/064215  
(31) 2015219.5 (32) 25.09.20 (33) GB  
(43) 31.03.2022  
(72) WRIGHT, Alison; GURURAJAN, Vidy-anath; GREEN, Richard  
(74) Adams Pluck
- 
- (71) BIO 54, LLC  
(11) AU-A-2021358758  
(21) 2021358758 (22) 05.10.2021

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

- (54) DEVICES FOR BLEEDING REDUC-TION AND METHODS OF MAKING AND USING THE SAME  
(51) Int. Cl.  
**A61M 35/00** ( 2006.01 )  
**A61B 17/00** ( 2006.01 )  
**A61F 13/40** ( 2006.01 )  
**B65D 83/00** ( 2006.01 )  
(87) WO2022/076467  
(31) 63/087,532 (32) 05.10.20 (33) US  
63/090,768 13.10.20 US  
PCT/ 09.04.21 US  
US2021/026714  
(43) 14.04.2022  
(72) MANASCO, Anton Travis; POWELL, Margaret Booth; GRANKO, Hazar Awad  
(74) RnB IP Pty Ltd
- 
- (71) BIOAEGIS THERAPEUTICS INC.; UNIVERSITY OF MARYLAND, BAL-TIMORE  
(11) AU-A-2021347408  
(21) 2021347408 (22) 23.09.2021  
(54) COMPOSITIONS AND METHODS FOR IDENTIFYING AND TREATING MICROPARTICLE-ASSOCIATED DIS-EASES AND CONDITIONS  
(51) Int. Cl.  
**G01N 33/68** ( 2006.01 )  
**A61K 38/00** ( 2006.01 )  
**G01N 33/566** ( 2006.01 )  
(87) WO2022/067319  
(31) 63/148,808 (32) 12.02.21 (33) US  
63/082,277 23.09.20 US  
(43) 31.03.2022  
(72) LEVINSON, Susan, L.; THOM, Steph-en, R.; DINUBILE, Mark, J.; STOSSEL, Thomas, P.  
(74) Pizzeys Patent and Trade Mark Attor-neys Pty Ltd
- 
- (71) BIOCAMPATIBLES UK LIMITED  
(11) AU-A-2021350567  
(21) 2021350567 (22) 13.09.2021  
(54) MULTI-WAY CONNECTOR  
(51) Int. Cl.  
**A61M 39/10** ( 2006.01 )  
**F16L 37/56** ( 2006.01 )  
**A61M 39/22** ( 2006.01 )  
(87) WO2022/064323  
(31) 63/082,131 (32) 23.09.20 (33) US  
(43) 31.03.2022  
(72) MCGHEE, Scott; BURNETT, David; MARTI, Martina; NEALE, Joe; VINCE, Jonathan  
(74) Spruson & Ferguson
- 
- (71) BIOCORP PRODUCTION S.A.  
(11) AU-A-2020471940  
(21) 2020471940 (22) 13.10.2020  
(54) INJECTION MONITORING MODULE WITH MAGNETIC ROTATION SENS-ING  
(51) Int. Cl.  
**A61M 5/315** ( 2006.01 )  
(87) WO2022/079462
- 
- (43) 21.04.2022  
(72) MARCOZ, Alain  
(74) Kevin Ashby
- 
- (71) BIOVERATIV THERAPEUTICS INC.  
(11) AU-A-2021330936  
(21) 2021330936 (22) 23.08.2021  
(54) MODIFIED BACULOVIRUS SYSTEM FOR IMPROVED PRODUCTION OF CLOSED-ENDED DNA (ceDNA)  
(51) Int. Cl.  
**A61K 48/00** ( 2006.01 )  
**C12N 15/866** ( 2006.01 )  
(87) WO2022/046665  
(31) 63/069,115 (32) 23.08.20 (33) US  
(43) 03.03.2022  
(72) MAGHODIA, Ajay  
(74) Griffith Hack
- 
- (71) BLUE RIVER TECHNOLOGY INC.  
(11) AU-A-2021376330  
(21) 2021376330 (22) 03.11.2021  
(54) FARMING VEHICLE FIELD BOUND-ARY IDENTIFICATION  
(51) Int. Cl.  
**A01C 21/00** ( 2006.01 )  
**G01C 21/20** ( 2006.01 )  
**G01C 21/34** ( 2006.01 )  
**G06Q 50/02** ( 2012.01 )  
**G06V 20/56** ( 2022.01 )  
(87) WO2022/098785  
(31) 63/109,444 (32) 04.11.20 (33) US  
(43) 12.05.2022  
(72) PELL, Edward William Jeffcott; WEST, Brent William  
(74) Pizzeys Patent and Trade Mark Attor-neys Pty Ltd
- 
- (71) BOARD OF REGENTS, THE UNI-VERSITY OF TEXAS SYSTEM  
(11) AU-A-2021355480  
(21) 2021355480 (22) 30.09.2021  
(54) IMIDAZOPIPERAZINE INHIBITORS OF TRANSCRIPTION ACTIVATING PROTEINS  
(51) Int. Cl.  
**A61K 31/4985** ( 2006.01 )  
**A61K 31/4725** ( 2006.01 )  
**C07D 487/04** ( 2006.01 )  
(87) WO2022/072648  
(31) 63/086,728 (32) 02.10.20 (33) US  
(43) 07.04.2022  
(72) LE, Kang; SOTH, Michael; JONES, Philip; CROSS, Jason; MCAFOOS, Timothy  
(74) AJ PARK
- 
- (71) Boehringer Ingelheim International GmbH  
(11) AU-A-2021353854  
(21) 2021353854 (22) 27.09.2021  
(54) Anti-il-36r antibodies for treatment of chronic inflammatory pain  
(51) Int. Cl.  
**A61P 29/00** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )
- 
- (87) WO2022/072267  
(31) 20199185.8 (32) 30.09.20 (33) EP  
21163078.5 17.03.21 EP  
(43) 07.04.2022  
(72) GLOEDE, Tristan; THOMA, Christian; ESSER, Dirk  
(74) Spruson & Ferguson
- 
- (71) BOSTON SCIENTIFIC SCIMED, INC.  
(11) AU-A-2021362240  
(21) 2021362240 (22) 14.10.2021  
(54) INFLATABLE PENILE PROSTHESIS COMPRISING A PUMP ASSEMBLY AND MANUFACTURING METHOD  
(51) Int. Cl.  
**A61F 2/26** ( 2006.01 )  
**F16K 15/18** ( 2006.01 )  
(87) WO2022/082194  
(31) 63/198,397 (32) 15.10.20 (33) US  
17/450,779 13.10.21 US  
(43) 21.04.2022  
(72) MUJWID, James Ryan; DILORETO, Mark Edward  
(74) Spruson & Ferguson
- 
- (71) BRIGHT PEAK THERAPEUTICS AG  
(11) AU-A-2021327861  
(21) 2021327861 (22) 19.08.2021  
(54) MODIFIED IL-18 POLYPEPTIDES AND USES THEREOF  
(51) Int. Cl.  
**C07K 14/545** ( 2006.01 )  
**A61K 38/20** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07K 1/00** ( 2006.01 )  
**C07K 14/54** ( 2006.01 )  
(87) WO2022/038417  
(31) 63/067,658 (32) 19.08.20 (33) US  
(43) 24.02.2022  
(72) PATTABIRAMAN, Vijaya, Raghavan; KREFT, Bertolt; BOEHRINGER, Régis; DELON, Camille; FETZ, Claudia; FLOHR, Alexander; HORNSPERGER, Benoit; CARRALOT, Jean-Philippe; BODE, Jeffrey, William; ARÉVALO-RUIZ, Matilde; WIEDERKEHR, Ame-lie; HAYDN, Anna; IACONE, Roberto; WANG, Chongqing  
(74) FB Rice Pty Ltd
- 
- (71) BRISTOL-MYERS SQUIBB COMPANY  
(11) AU-A-2021331476  
(21) 2021331476 (22) 27.08.2021  
(54) LAG-3 ANTAGONIST THERAPY FOR HEPATOCELLULAR CARCINOMA  
(51) Int. Cl.  
**A61P 35/00** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )  
(87) WO2022/047189  
(31) 63/071,698 (32) 28.08.20 (33) US  
63/144,174 01.02.21 US  
(43) 03.03.2022  
(72) SRIVASTAVA, Shivani; MOSS, Re-becca, A.; HORVATH, Andrea  
(74) AJ PARK

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

- (71) BRITISH AMERICAN TOBACCO EXPORTS LIMITED  
 (11) AU-A-2021339056  
 (21) 2021339056 (22) 14.09.2021  
 (54) A METHOD OF PROCESSING TOBACCO FINES INTO A NON-CONTINUOUS TOBACCO MATERIAL  
 (51) Int. Cl.  
**A24B 3/14** ( 2006.01 )  
**A24B 5/16** ( 2006.01 )  
 (87) WO2022/053836  
 (31) 2014434.1 (32) 14.09.20 (33) GB  
 2014431.7 14.09.20 GB  
 2112003.5 20.08.21 GB  
 2112001.9 20.08.21 GB  
 (43) 17.03.2022  
 (72) LINK, Matthias; FRANKE, Dietmar; PLÜCKHAHN, Frank  
 (74) Spruson & Ferguson
- 
- (71) BRITISH AMERICAN TOBACCO EXPORTS LIMITED  
 (11) AU-A-2021341647  
 (21) 2021341647 (22) 14.09.2021  
 (54) A METHOD OF PROCESSING TOBACCO FINES INTO A NON-CONTINUOUS TOBACCO MATERIAL  
 (51) Int. Cl.  
**A24B 3/14** ( 2006.01 )  
**A24B 5/16** ( 2006.01 )  
 (87) WO2022/053835  
 (31) 2014431.7 (32) 14.09.20 (33) GB  
 2014434.1 14.09.20 GB  
 2112001.9 20.08.21 GB  
 2112003.5 20.08.21 GB  
 (43) 17.03.2022  
 (72) LINK, Matthias; FRANKE, Dietmar; PLÜCKHAHN, Frank  
 (74) Spruson & Ferguson
- 
- (71) BSOLVE LIMITED  
 (11) AU-A-2021366383  
 (21) 2021366383 (22) 22.10.2021  
 (54) DENTAL KIT COMPRISING A DENTAL ALIGNER OR A MOUTH TRAY AND DISSOLVABLE FILMS  
 (51) Int. Cl.  
**A61C 7/08** ( 2006.01 )  
**A61C 19/06** ( 2006.01 )  
**A61C 19/08** ( 2006.01 )  
**A61K 8/22** ( 2006.01 )  
**A61Q 11/02** ( 2006.01 )  
 (87) WO2022/084692  
 (31) 2016792.0 (32) 22.10.20 (33) GB  
 (43) 28.04.2022  
 (72) CULLEN, John Edward; LIVINGSTONE, Mark Alexander; MACFARLANE, Melanie; STEVENS, Ian Herbert  
 (74) James & Wells Intellectual Property
- 
- (71) C3 CORPORATION  
 (11) AU-A-2021352379  
 (21) 2021352379 (22) 28.09.2021  
 (54) HOTMELT APPLICATION SYSTEM AND PROCESS  
 (51) Int. Cl.  
**B29C 67/02** ( 2017.01 )  
**B05C 5/00** ( 2006.01 )  
 (87) WO2022/072302
- 
- (71) CALIFORNIA INSTITUTE OF TECHNOLOGY  
 (11) AU-A-2021378792  
 (21) 2021378792 (22) 10.11.2021  
 (54) MULTIVALENT CARRIERS AND RELATED VACCINE COMPOSITIONS  
 (51) Int. Cl.  
**A61K 39/215** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**A61P 31/14** ( 2006.01 )  
 (87) WO2022/103891  
 (31) 63/112,495 (32) 11.11.20 (33) US  
 (43) 19.05.2022  
 (72) COHEN, Alexander, A.; BJORKMAN, Pamela, J.  
 (74) WRAYS PTY LTD
- 
- (71) Cambria Geosciences Inc.  
 (11) AU-A-2022325170  
 (21) 2022325170 (22) 19.10.2022  
 (54) System for replenishing an on-board power source for a propulsion system on a vehicle such as a watercraft and process  
 (51) Int. Cl.  
**H01M 8/00** ( 2016.01 )  
 (31) 63/262,717 (32) 19.10.21 (33) US  
 (43) 04.05.2023  
 (72) MCGUIGAN, Paul J.; CHAMPAGNE, Gilles Y.  
 (74) MEYER WEST IP
- 
- (71) CAPITAL ONE SERVICES, LLC  
 (11) AU-A-2021347974  
 (21) 2021347974 (22) 23.09.2021  
 (54) SYSTEMS AND METHODS FOR DECENTRALIZED DETECTION OF SOFTWARE PLATFORMS OPERATING ON WEBSITE PAGES  
 (51) Int. Cl.  
**G06F 16/958** ( 2019.01 )  
 (87) WO2022/066848  
 (31) 17/031,265 (32) 24.09.20 (33) US  
 (43) 31.03.2022  
 (72) DUNCAN, Dallas; HENDERSON, William; ROBERTSON, Laura; LAYTON, Kace  
 (74) PHILLIPS ORMONDE FITZPATRICK
- 
- (71) CAREFUSION 303, INC.  
 (11) AU-A-2021344431  
 (21) 2021344431 (22) 16.09.2021  
 (54) PRESSURE ACTUATED UNI-DIRECTIONAL FLOW CONTROL DEVICE FOR GRAVITY IV SETS  
 (51) Int. Cl.  
**A61M 5/14** ( 2006.01 )
- 
- (71) CAREFUSION 303, INC.  
 (11) AU-A-2021344961  
 (21) 2021344961 (22) 15.09.2021  
 (54) PRESSURE ACTUATED FLOW CONTROL DEVICE FOR GRAVITY IV SETS  
 (51) Int. Cl.  
**A61M 5/14** ( 2006.01 )  
**A61M 5/168** ( 2006.01 )  
**A61M 39/22** ( 2006.01 )  
**A61M 39/24** ( 2006.01 )  
 (87) WO2022/060895  
 (31) 17/025,948 (32) 18.09.20 (33) US  
 (43) 24.03.2022  
 (72) NANDAKUMAR, Sridhaar; PUTHUKKAD, Rahul  
 (74) FB Rice Pty Ltd
- 
- (71) CAREFUSION 303, INC.  
 (11) AU-A-2021347153  
 (21) 2021347153 (22) 21.09.2021  
 (54) MULTILAYER TUBING HAVING INTERMEDIATE LAYER WITH ADDITIVES  
 (51) Int. Cl.  
**B32B 1/08** ( 2006.01 )  
**B32B 7/023** ( 2019.01 )  
**B32B 25/04** ( 2006.01 )  
**B32B 27/08** ( 2006.01 )  
**B32B 27/18** ( 2006.01 )  
**B32B 27/20** ( 2006.01 )  
**F16L 11/04** ( 2006.01 )  
 (87) WO2022/066665  
 (31) 17/033,511 (32) 25.09.20 (33) US  
 (43) 31.03.2022  
 (72) MENG, Fanqing; WEIMER, Marc William  
 (74) FB Rice Pty Ltd
- 
- (71) CAREFUSION 303, INC.  
 (11) AU-A-2021347274  
 (21) 2021347274 (22) 21.09.2021  
 (54) INTRAVENOUS FILTER  
 (51) Int. Cl.  
**A61M 5/162** ( 2006.01 )  
**A61M 5/165** ( 2006.01 )  
**A61M 5/14** ( 2006.01 )  
**A61M 5/142** ( 2006.01 )  
 (87) WO2022/066664  
 (31) 17/030,015 (32) 23.09.20 (33) US  
 (43) 31.03.2022  
 (72) MASON, Eugene; WINE, Jason Andrew; FEITH, Raymond P.  
 (74) FB Rice Pty Ltd
- 
- (71) CAREFUSION 303, INC.  
 (11) AU-A-2021347687



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

- (21) 2021347687 (22) 21.09.2021 (43) 07.04.2022 (87) WO2022/060618  
 (54) MODULAR IN-LINE FILTER DEVICE (72) YAMIN, Leyla (31) 17/026,460 (32) 21.09.20 (33) US  
 (51) Int. Cl. (74) FB Rice Pty Ltd (43) 24.03.2022  
 A61M 5/165 ( 2006.01 )  
 A61M 39/24 ( 2006.01 )  
 (87) WO2022/066667 (71) CAREFUSION 303, INC.  
 (31) 17/035,058 (32) 28.09.20 (33) US (11) AU-A-2021355352  
 (43) 31.03.2022 (21) 2021355352 (22) 23.09.2021  
 (72) WINE, Jason Andrew (54) NEEDLELESS CONNECTOR HAVING  
 (74) FB Rice Pty Ltd CHECK VALVE WITH VALVE PIVOT  
 SUPPORT  
 (51) Int. Cl. (51) Int. Cl.  
 A61M 39/10 ( 2006.01 )  
 A61M 39/26 ( 2006.01 )  
 (87) WO2022/072218 (87) WO2022/093033  
 (31) 17/037,442 (32) 29.09.20 (33) US (31) 20201191 (32) 30.10.20 (33) NO  
 (43) 07.04.2022 (43) 05.05.2022  
 (72) ODA, Todd; FRAUSTO, Tomas; RAO, Archana; SALEH, Ali; SHEVGOOR, Siddarth K.; MANSOUR, George (72) LØKEN, Helge  
 (74) FB Rice Pty Ltd (74) Michael Buck IP
- 
- (71) CAREFUSION 303, INC.  
 (11) AU-A-2021350096  
 (21) 2021350096 (22) 24.09.2021  
 (54) CONNECTOR WITH SEALING PORTION  
 (51) Int. Cl.  
 A61M 39/12 ( 2006.01 )  
 A61M 39/10 ( 2006.01 )  
 (87) WO2022/067117  
 (31) 17/035,131 (32) 28.09.20 (33) US  
 (43) 31.03.2022  
 (72) LAU, Choi Ting  
 (74) FB Rice Pty Ltd
- 
- (71) CAREFUSION 303, INC.  
 (11) AU-A-2021351475  
 (21) 2021351475 (22) 28.09.2021  
 (54) SLIDING FLOW CONTROLLER  
 (51) Int. Cl.  
 A61M 5/168 ( 2006.01 )  
 A61M 39/28 ( 2006.01 )  
 (87) WO2022/072376  
 (31) 17/037,456 (32) 29.09.20 (33) US  
 (43) 07.04.2022  
 (72) UNDERWOOD, Wesley  
 (74) FB Rice Pty Ltd
- 
- (71) CAREFUSION 303, INC.  
 (11) AU-A-2021353851  
 (21) 2021353851 (22) 24.09.2021  
 (54) COMFORTABLE MEDICAL CONNECTORS  
 (51) Int. Cl.  
 A61M 5/158 ( 2006.01 )  
 A61M 25/00 ( 2006.01 )  
 A61M 39/10 ( 2006.01 )  
 A61M 39/02 ( 2006.01 )  
 A61M 39/12 ( 2006.01 )  
 (87) WO2022/072253  
 (31) 17/037,461 (32) 29.09.20 (33) US  
 (43) 07.04.2022  
 (72) LAU, Choi Ting  
 (74) FB Rice Pty Ltd
- 
- (71) CAREFUSION 303, INC.  
 (11) AU-A-2021353858  
 (21) 2021353858 (22) 27.09.2021  
 (54) COLOR CHANGING AND PRESSURE SENSING CHECK VALVES  
 (51) Int. Cl.  
 A61M 39/24 ( 2006.01 )  
 F16K 15/14 ( 2006.01 )  
 F16K 37/00 ( 2006.01 )  
 (87) WO2022/072285  
 (31) 17/037,450 (32) 29.09.20 (33) US
- 
- (71) CASE WESTERN RESERVE UNIVERSITY  
 (11) AU-A-2021350180  
 (21) 2021350180 (22) 27.09.2021  
 (54) OAT DERIVED  $\beta$ -(1-3)-(1-4)-GLUCAN PREPARATIONS AND THERE USE IN TREATING CANCER  
 (51) Int. Cl.  
 A61K 9/08 ( 2006.01 )  
 A61K 31/716 ( 2006.01 )  
 A61K 47/24 ( 2006.01 )  
 A61P 35/00 ( 2006.01 )  
 C08B 37/00 ( 2006.01 )  
 (87) WO2022/067188  
 (31) 63/083,283 (32) 25.09.20 (33) US  
 (43) 31.03.2022  
 (72) ZHANG, Mei  
 (74) Oxygene IP
- 
- (71) CATERPILLAR GLOBAL MINING EQUIPMENT LLC  
 (11) AU-A-2021344837  
 (21) 2021344837 (22) 09.09.2021  
 (54) AUTOMATIC DRILLING HOIST SPEED  
 (51) Int. Cl.  
 E21B 7/02 ( 2006.01 )  
 E21B 41/00 ( 2006.01 )  
 E21B 44/02 ( 2006.01 )
- 
- (71) CENTRE FOR PROBE DEVELOPMENT AND COMMERCIALIZATION (CPDC)  
 (11) AU-A-2021330382  
 (21) 2021330382 (22) 27.08.2021  
 (54) RADIOPHARMACEUTICAL AND METHODS  
 (51) Int. Cl.  
 A61K 47/22 ( 2006.01 )  
 A61K 47/12 ( 2006.01 )  
 A61K 51/08 ( 2006.01 )  
 A61P 35/00 ( 2006.01 )  
 C07C 65/05 ( 2006.01 )  
 C07D 307/62 ( 2006.01 )  
 C07K 7/06 ( 2006.01 )  
 C07K 14/655 ( 2006.01 )  
 (87) WO2022/043754  
 (31) 63/071,138 (32) 27.08.20 (33) US  
 (43) 03.03.2022  
 (72) MCCANN, Joe; KELLY, Justyna; BILLONE, Paul  
 (74) Davies Collison Cave Pty Ltd
- 
- (71) CENTURYLINK INTELLECTUAL PROPERTY LLC  
 (11) AU-A-2021347829  
 (21) 2021347829 (22) 22.09.2021  
 (54) CONTENT DELIVERY USING DISTRIBUTED LEDGER AND AI-BASED TRANSCODING TECHNOLOGIES  
 (51) Int. Cl.  
 H04N 21/234 ( 2011.01 )  
 H04N 19/40 ( 2014.01 )  
 H04N 21/2343 ( 2011.01 )  
 H04N 21/2662 ( 2011.01 )  
 H04N 21/84 ( 2011.01 )  
 (87) WO2022/066717  
 (31) 63/082,677 (32) 24.09.20 (33) US  
 63/082,704 24.09.20 US  
 (43) 31.03.2022  
 (72) CASEY, Steven M.; OPFERMAN, Stephen  
 (74) PHILLIPS ORMONDE FITZPATRICK

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

- (71) CERES GREENHOUSE SOLUTIONS LLC  
 (11) AU-A-2021345205  
 (21) 2021345205 (22) 16.09.2021  
 (54) MULTI-SOURCE HEAT EXCHANGE SYSTEM EMPLOYING A GROUND-ENERGY STORAGE SYSTEM FOR CONTROLLED ENVIRONMENT ENCLOSURES  
 (51) Int. Cl.  
**A01G 9/24** ( 2006.01 )  
**A01G 9/14** ( 2006.01 )  
**A01G 25/16** ( 2006.01 )  
**F24D 11/00** ( 2022.01 )  
**F24S 20/60** ( 2018.01 )  
**F24S 60/30** ( 2018.01 )  
 (87) WO2022/061045  
 (31) 63/079,461 (32) 16.09.20 (33) US  
 (43) 24.03.2022  
 (72) GORDON, Richard, A.; KUMAR, Swapnil; PINKE MARC, Adolf Ernst; HOUPE, Christian, Lee  
 (74) Spruson & Ferguson
- 
- (71) CFT TECHNOLOGIES PTY LTD  
 (11) AU-A-2021336197  
 (21) 2021336197 (22) 03.09.2021  
 (54) METHOD AND APPARATUS FOR ASSISTING IN EXTRACTION OF FLUID FROM COAL-SEAMS  
 (51) Int. Cl.  
**E21B 7/06** ( 2006.01 )  
**E21B 7/18** ( 2006.01 )  
**E21B 10/61** ( 2006.01 )  
**E21B 43/16** ( 2006.01 )  
**E21C 45/00** ( 2006.01 )  
 (87) WO2022/047542  
 (31) 2020903158 (32) 03.09.20 (33) AU  
 (43) 10.03.2022  
 (72) BRESNEHAN, Rodney Michael  
 (74) Sandercock & Cowie
- 
- (71) CHAN ZUCKERBERG BIOHUB, INC.; THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY  
 (11) AU-A-2021410776  
 (21) 2021410776 (22) 22.12.2021  
 (54) BACTERIA-ENGINEERED TO ELICIT ANTIGEN-SPECIFIC T CELLS  
 (51) Int. Cl.  
**A61K 35/74** ( 2015.01 )  
**A61K 35/744** ( 2015.01 )  
**A61K 38/00** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**C12N 15/62** ( 2006.01 )  
**C12N 15/74** ( 2006.01 )  
 (87) WO2022/140640  
 (31) 63/130,354 (32) 23.12.20 (33) US  
 63/130,356 23.12.20 US  
 63/150,013 16.02.21 US  
 (43) 30.06.2022  
 (72) FISCHBACH, Michael A.; NA-GASHIMA, Kazuki; CHEN, Yiyin E.; BOUSBAINE, Djenet  
 (74) Spruson & Ferguson
- 
- (71) CHENGDU JINRUI FOUNDATION BIOTECH CO., LTD.; BEIJING TIAN TAN HOSPITAL, CAPITAL MEDICAL UNIVERSITY  
 (11) AU-A-2020469868  
 (21) 2020469868 (22) 10.12.2020  
 (54) MEDICAL USE OF HONOKIOL  
 (51) Int. Cl.  
**A61K 31/05** ( 2006.01 )  
**A61P 17/00** ( 2006.01 )  
**A61P 17/14** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
 (87) WO2022/062197  
 (31) 202011033093.X (32) 27.09.20 (33) CN  
 (43) 31.03.2022  
 (72) LI, Wenbin; LI, Shenglan; QIU, Neng; YE, Haoyu  
 (74) FPA Patent Attorneys Pty Ltd
- 
- (71) CHEVRON U.S.A. INC.; THREE CLIFFS GEOMECHANICAL ANALYSIS LIMITED  
 (11) AU-A-2021355374  
 (21) 2021355374 (22) 13.09.2021  
 (54) SUBSURFACE CHARACTERISTIC MODELING  
 (51) Int. Cl.  
**G01V 1/28** ( 2006.01 )  
**E21B 43/00** ( 2006.01 )  
**E21B 47/10** ( 2012.01 )  
**G01V 1/34** ( 2006.01 )  
 (87) WO2022/072135  
 (31) 17/036,459 (32) 29.09.20 (33) US  
 (43) 07.04.2022  
 (72) CROOK, Anthony, James, Lister; THORNTON, Dean, Andrew; ADACHI, Jose, I.  
 (74) Davies Collison Cave Pty Ltd
- 
- (71) CHIA TAI TIANQING PHARMACEUTICAL GROUP CO., LTD.  
 (11) AU-A-2021344385  
 (21) 2021344385 (22) 15.09.2021  
 (54) USE OF PYRIDO[1,2-A]PYRIMIDINONE COMPOUND IN TREATING PERIPHERAL T CELL LYMPHOMA  
 (51) Int. Cl.  
**A61K 31/519** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
 (87) WO2022/057812  
 (31) 202010967168.5 (32) 15.09.20 (33) CN  
 (43) 24.03.2022  
 (72) FENG, Fan; WANG, Xunqiang; ZHAO, Ying; HAN, Xi; CHEN, Li; MA, Ruiting; WU, Naiying  
 (74) PHILLIPS ORMONDE FITZPATRICK
- 
- (71) CHIESI FARMACEUTICI S.P.A.  
 (11) AU-A-2021356146  
 (21) 2021356146 (22) 08.10.2021  
 (54) A PHARMACEUTICAL FORMULATION FOR PRESSURISED METERED DOSE INHALER  
 (51) Int. Cl.  
**A61K 9/00** ( 2006.01 )  
**A61K 31/167** ( 2006.01 )  
**A61K 31/40** ( 2006.01 )  
**A61K 31/573** ( 2006.01 )  
**A61K 31/58** ( 2006.01 )  
**A61K 45/06** ( 2006.01 )
- 
- (71) A61K 47/02 ( 2006.01 )  
 A61M 15/00 ( 2006.01 )  
 A61P 11/06 ( 2006.01 )  
 A61P 11/08 ( 2006.01 )  
 (87) WO2022/074183  
 (31) 20201060.9 (32) 09.10.20 (33) EP  
 (43) 14.04.2022  
 (72) ZAMBELLI, Enrico; BONELLI, Sauro; COPELLI, Diego; DAGLI ALBERI, Massimiliano; USBERTI, Francesca  
 (74) WRAYS PTY LTD
- 
- (71) CHINA MOBILE GROUP DESIGN INSTITUTE CO., LTD.; CHINA MOBILE COMMUNICATIONS GROUP CO., LTD.  
 (11) AU-A-2021390107  
 (21) 2021390107 (22) 01.12.2021  
 (54) ALTERNATING CURRENT/DIRECT CURRENT COMMON BUS DUCT, AND BUS DUCT DETECTION METHOD AND DEVICE  
 (51) Int. Cl.  
**H02G 5/06** ( 2006.01 )  
 (87) WO2022/117009  
 (31) 202011392888.X (32) 01.12.20 (33) CN  
 (43) 09.06.2022  
 (72) LIU, Feng; WANG, Haibao  
 (74) Golja Haines & Friend
- 
- (71) CHIYODA CORPORATION  
 (11) AU-A-2021441047  
 (21) 2021441047 (22) 16.04.2021  
 (54) HYDROGEN STATION AND HYDROGEN GENERATION METHOD  
 (51) Int. Cl.  
**C01B 3/00** ( 2006.01 )  
**B01J 23/42** ( 2006.01 )  
**B01J 35/10** ( 2006.01 )  
 (87) WO2022/219822  
 (43) 20.10.2022  
 (72) OKADA Yoshimi; IMAGAWA Kenichi; MIKURIYA Tomoyuki; KAWAI Hironori; NAKAJIMA Yusuke  
 (74) Madderns Pty Ltd
- 
- (71) CHIYODA CORPORATION  
 (11) AU-A-2021460215  
 (21) 2021460215 (22) 12.08.2021  
 (54) ELECTROCHEMICAL CELL, POWER GENERATION METHOD USING ELECTROCHEMICAL CELL, AND METHOD FOR PRODUCING HYDROGEN GAS USING ELECTROCHEMICAL CELL  
 (51) Int. Cl.  
**H01M 8/1246** ( 2016.01 )  
 (87) WO2023/017601  
 (43) 16.02.2023  
 (72) OKADA Yoshimi; YASUNISHI Takuo; IMAGAWA Kenichi; KUROSAKI Daisuke  
 (74) Madderns Pty Ltd
- 
- (71) CHONGQING HAIER REFRIGERATION ELECTRIC APPLIANCE CO., LTD.; QINGDAO HAIER REFRIGERAT-

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

- OR CO., LTD.; HAIER SMART HOME CO., LTD.  
**(11)** AU-A-2021343158  
**(21)** 2021343158 **(22)** 26.08.2021  
**(54)** REFRIGERATOR  
**(51)** Int. Cl.  
**F25B 21/02** ( 2006.01 )  
**(87)** WO2022/057590  
**(31)** 202010970307.X **(32)** 15.09.20 **(33)** CN  
**(43)** 24.03.2022  
**(72)** CUI, Zhanpeng; LI, Jiaming; JI, Lisheng; LV, Peng  
**(74)** Spruson & Ferguson
- 
- (71)** CHR. HANSEN A/S  
**(11)** AU-A-2021384825  
**(21)** 2021384825 **(22)** 16.11.2021  
**(54)** LACTIC ACID BACTERIAL STRAIN WITH IMPROVED TEXTURIZING PROPERTIES  
**(51)** Int. Cl.  
**A23C 9/123** ( 2006.01 )  
**C12R 1/46** ( 2006.01 )  
**(87)** WO2022/106405  
**(31)** 20208145.1 **(32)** 17.11.20 **(33)** EP  
**(43)** 27.05.2022  
**(72)** JANZEN, Thomas; CHRISTIANSEN, Ditte Ellegaard; BROEND, Jesper; PREBNER, Victoria  
**(74)** Spruson & Ferguson
- 
- (71)** CHUGOKU MARINE PAINTS, LTD.  
**(11)** AU-A-2021348788  
**(21)** 2021348788 **(22)** 22.09.2021  
**(54)** SURFACE-PROTECTIVE COATING MATERIAL COMPOSITION  
**(51)** Int. Cl.  
**C09D 167/04** ( 2006.01 )  
**B32B 27/36** ( 2006.01 )  
**C09D 5/16** ( 2006.01 )  
**C09D 7/61** ( 2018.01 )  
**(87)** WO2022/065323  
**(31)** 2020-160954 **(32)** 25.09.20 **(33)** JP  
**(43)** 31.03.2022  
**(72)** TANINO, Soichiro; IKADAI, Junnai; IMAI, Yoshihiko; NABE, Akino; OKADA, Masamitsu  
**(74)** PHILLIPS ORMONDE FITZPATRICK
- 
- (71)** CNX RESOURCES CORPORATION  
**(11)** AU-A-2021358599  
**(21)** 2021358599 **(22)** 08.10.2021  
**(54)** APPARATUS AND METHOD FOR HARNESSING ENERGY FROM A WELLBORE TO PERFORM MULTIPLE FUNCTIONS WHILE REDUCING EMISSIONS  
**(51)** Int. Cl.  
**E21B 43/34** ( 2006.01 )  
**E21B 21/06** ( 2006.01 )  
**E21B 21/08** ( 2006.01 )  
**E21B 21/10** ( 2006.01 )  
**(87)** WO2022/076846  
**(31)** 63/089,777 **(32)** 09.10.20 **(33)** US  
 17/470,438 09.09.21 US  
**(43)** 14.04.2022  
**(72)** FINK, Joseph, M.; PHIPPS, Nicholas, Joseph; MULLINS, Joshua, Wayne;
- 
- EGELAND, Kevin, Robert; JONES, Albert, Edwin  
**(74)** RnB IP Pty Ltd
- 
- (71)** COLACO, S.A.  
**(11)** AU-A-2021328062  
**(21)** 2021328062 **(22)** 02.08.2021  
**(54)** FIRE SUPPRESSION DEVICE  
**(51)** Int. Cl.  
**A62C 3/02** ( 2006.01 )  
**A62C 19/00** ( 2006.01 )  
**F42B 12/46** ( 2006.01 )  
**(87)** WO2022/039913  
**(31)** 17/322,008 **(32)** 17.05.21 **(33)** US  
 16/998,388 20.08.20 US  
**(43)** 24.02.2022  
**(72)** COLACO, Syler, A.  
**(74)** FB Rice Pty Ltd
- 
- (71)** COMMUNITY.COM, INC.  
**(11)** AU-A-2021336539  
**(21)** 2021336539 **(22)** 03.09.2021  
**(54)** SEMANTIC CLUSTERING OF MESSAGES  
**(51)** Int. Cl.  
**G06Q 10/10** ( 2023.01 )  
**(87)** WO2022/051687  
**(31)** 63/074,297 **(32)** 03.09.20 **(33)** US  
**(43)** 10.03.2022  
**(72)** RUBIN, Alec; KERZNER, Skyler; SALETAN, Nate; PERKINS, Lars; STEINGLASS, Barry; ROSENHECK, Josh; KOZI, Tomas; PELTIER, Matthew  
**(74)** Davies Collison Cave Pty Ltd
- 
- (71)** CONOCOPHILLIPS COMPANY  
**(11)** AU-A-2021337657  
**(21)** 2021337657 **(22)** 02.09.2021  
**(54)** CONDENSATE RECOVERY UNIT  
**(51)** Int. Cl.  
**C10G 67/16** ( 2006.01 )  
**C10G 69/00** ( 2006.01 )  
**C10L 3/12** ( 2006.01 )  
**(87)** WO2022/051462  
**(31)** 63/073,763 **(32)** 02.09.20 **(33)** US  
 17/464,990 02.09.21 US  
**(43)** 10.03.2022  
**(72)** DINSDALE, Travis O.; KADAR, James; KIESEWETTER, Jonathan J.; EMBRY, Dale L.  
**(74)** PHILLIPS ORMONDE FITZPATRICK
- 
- (71)** CONTACT ORGANICS TECHNOLOGIES PTY LTD  
**(11)** AU-A-2021334407  
**(21)** 2021334407 **(22)** 26.08.2021  
**(54)** FATTY ACID-BASED HERBICIDE COMPOSITION  
**(51)** Int. Cl.  
**A01N 37/02** ( 2006.01 )  
**A01N 25/04** ( 2006.01 )  
**A01N 25/22** ( 2006.01 )  
**A01N 25/24** ( 2006.01 )  
**(87)** WO2022/040743  
**(31)** 2020903066 **(32)** 27.08.20 **(33)** AU
- 
- (43)** 03.03.2022  
**(72)** BRIGGS, William Ernest  
**(74)** Davies Collison Cave Pty Ltd
- 
- (71)** CORNELL PUMP COMPANY LLC  
**(11)** AU-A-2021349932  
**(21)** 2021349932 **(22)** 15.09.2021  
**(54)** MOUNTING POCKET FOR REMOTE EQUIPMENT MONITORING DEVICE  
**(51)** Int. Cl.  
**F04D 15/00** ( 2006.01 )  
**F04D 13/06** ( 2006.01 )  
**F04D 29/40** ( 2006.01 )  
**G01D 11/30** ( 2006.01 )  
**(87)** WO2022/066482  
**(31)** 63/083,158 **(32)** 25.09.20 **(33)** US  
**(43)** 31.03.2022  
**(72)** LINDEMAN, Adam; JOHNSON, Erick; O'CALLAGHAN, Colin; ENTERLINE, Andrew  
**(74)** Spruson & Ferguson
- 
- (71)** CORTEVA AGRISCIENCE LLC  
**(11)** AU-A-2021381436  
**(21)** 2021381436 **(22)** 22.11.2021  
**(54)** FUNGICIDAL ARYL AMIDINES  
**(51)** Int. Cl.  
**C07D 209/12** ( 2006.01 )  
**C07D 213/40** ( 2006.01 )  
**C07D 233/20** ( 2006.01 )  
**C07D 233/60** ( 2006.01 )  
**C07D 263/20** ( 2006.01 )  
**C07F 7/08** ( 2006.01 )  
**(87)** WO2022/109362  
**(31)** 63/117,156 **(32)** 23.11.20 **(33)** US  
**(43)** 27.05.2022  
**(72)** BUYASSE, Ann; HANCOCK, Erin; LOPEZ, Susana; LOY, Brian; MEYER, Stacy T.; PETKUS, Jeff; TLAHUEXT-ACA, Adrian; WANG, Weiwei; YU, Pulan  
**(74)** FPA Patent Attorneys Pty Ltd
- 
- (71)** CORTEVA AGRISCIENCE LLC  
**(11)** AU-A-2021382710  
**(21)** 2021382710 **(22)** 22.11.2021  
**(54)** FUNGICIDAL ARYL AMIDINES  
**(51)** Int. Cl.  
**C07D 207/09** ( 2006.01 )  
**A01N 37/42** ( 2006.01 )  
**A01N 37/52** ( 2006.01 )  
**A01N 43/38** ( 2006.01 )  
**C07D 211/18** ( 2006.01 )  
**C07D 265/30** ( 2006.01 )  
**(87)** WO2022/109361  
**(31)** 63/117,145 **(32)** 23.11.20 **(33)** US  
**(43)** 27.05.2022  
**(72)** AVILA-ADAME, Cruz; BHONDE, Vasudev R.; LOPEZ, Susana; LOY, Brian; MEYER, Stacy T.; NOLAN, Alex; TLAHUEXT-ACA, Adrian  
**(74)** FPA Patent Attorneys Pty Ltd
- 
- (71)** COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH (AN INDIAN REGISTERED BODY INCORPOR-

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

- ATED UNDER THE REGN. OF SOC. ACT (ACT XXI OF 1860))
- (11) AU-A-2022329277  
 (21) 2022329277 (22) 04.08.2022  
 (54) MIXED METAL OXIDE-HYDROXIDE BIOPOLYMER COMPOSITE BEADS AND A PROCESS THEREOF  
 (51) Int. Cl.  
*C08J 9/18* ( 2006.01 )  
*B01J 20/06* ( 2006.01 )  
*C02F 1/00* ( 2023.01 )  
 (87) WO2023/021523  
 (31) 202111037374 (32) 17.08.21 (33) IN  
 (43) 23.02.2023  
 (72) MARYGUDE, Sujana; RAMALINGAM, Sathish; RAMASAMY, Boopathy; KUMAR SAHOO, Abhaya; DAS, Biswaranjan; BEHERA, Priyankarani; SINGH, Debabrata; BASU, Suddhasatwa  
 (74) Spruson & Ferguson
- 
- (71) CRODA INTERNATIONAL PLC  
 (11) AU-A-2021344554  
 (21) 2021344554 (22) 03.09.2021  
 (54) IMAGE PROCESSING METHOD  
 (51) Int. Cl.  
*G06T 7/00* ( 2017.01 )  
 (87) WO2022/058184  
 (31) 2014775.7 (32) 18.09.20 (33) GB  
 (43) 24.03.2022  
 (72) SEMENOV, Alexander, Vyacheslavovich  
 (74) Spruson & Ferguson
- 
- (71) CRODA INTERNATIONAL PLC  
 (11) AU-A-2021357737  
 (21) 2021357737 (22) 06.10.2021  
 (54) SUSPENSION CONCENTRATE DISPERSANTS  
 (51) Int. Cl.  
*A01N 25/04* ( 2006.01 )  
*A01N 25/30* ( 2006.01 )  
*A01N 43/54* ( 2006.01 )  
*A01N 43/653* ( 2006.01 )  
*A01N 43/707* ( 2006.01 )  
*A01N 43/82* ( 2006.01 )  
*A01N 43/88* ( 2006.01 )  
 (87) WO2022/074064  
 (31) 2015908.3 (32) 07.10.20 (33) GB  
 (43) 14.04.2022  
 (72) KNIGHT, Kathryn; SMITH, Amie; FLAVELL, James  
 (74) Oxygene IP
- 
- (71) CRYOPORT, INC.  
 (11) AU-A-2021342414  
 (21) 2021342414 (22) 15.09.2021  
 (54) HARDENED REUSABLE MODULAR SHIPPER  
 (51) Int. Cl.  
*B65D 81/38* ( 2006.01 )  
*B65D 81/18* ( 2006.01 )  
*B65D 88/10* ( 2006.01 )  
*B65D 88/14* ( 2006.01 )  
*B65D 88/74* ( 2006.01 )  
 (87) WO2022/060844  
 (31) 63/078,734 (32) 15.09.20 (33) US
- 
- (43) 24.03.2022  
 (72) BOLLINGER, Bret; SANCHEZ, Eden; DYBICZ, Mike; ONEL, Bobby; LEE, Ben; GESSELL, Amanda; WILBOURN, James; DUVAL, John  
 (74) Spruson & Ferguson
- 
- (71) CSL BEHRING AG  
 (11) AU-A-2021328692  
 (21) 2021328692 (22) 20.08.2021  
 (54) CD91 POLYPEPTIDE FOR USE IN DETECTING HEMOPEXIN:HEME COMPLEX  
 (51) Int. Cl.  
*G01N 33/68* ( 2006.01 )  
*G01N 33/72* ( 2006.01 )  
 (87) WO2022/038255  
 (31) 20192113.7 (32) 21.08.20 (33) EP  
 (43) 24.02.2022  
 (72) OWCZAREK, Catherine; LINDQVIST, Lisa; MARTIN, Kirstee; GENTINETTA, Thomas  
 (74) FB Rice Pty Ltd
- 
- (71) CURASEN THERAPEUTICS, INC.  
 (11) AU-A-2021334327  
 (21) 2021334327 (22) 26.08.2021  
 (54)  $\alpha$ 1A-ADRENERGIC RECEPTOR AGONISTS AND METHODS OF USE  
 (51) Int. Cl.  
*C07D 233/06* ( 2006.01 )  
 (87) WO2022/047052  
 (31) 63/071,297 (32) 27.08.20 (33) US  
 (43) 03.03.2022  
 (72) CARTER, David Scott; O'YANG, Counde; FORD, Anthony P.; CHEN, Wei  
 (74) FB Rice Pty Ltd
- 
- (71) CURASEN THERAPEUTICS, INC.  
 (11) AU-A-2021337583  
 (21) 2021337583 (22) 31.08.2021  
 (54) COMPOSITIONS AND METHODS FOR IMPROVING NEUROLOGICAL DISEASES AND DISORDERS  
 (51) Int. Cl.  
*A61K 31/135* ( 2006.01 )  
*A61K 31/136* ( 2006.01 )  
*A61K 31/138* ( 2006.01 )  
*A61K 31/167* ( 2006.01 )  
*A61K 31/404* ( 2006.01 )  
*A61K 45/06* ( 2006.01 )  
 (87) WO2022/051305  
 (31) 63/073,353 (32) 01.09.20 (33) US  
 63/212,077 17.06.21 US  
 (43) 10.03.2022  
 (72) FORD, Anthony P.; VARGAS, Gabriel; CHEN, Wei; MARTIN, Renee S.  
 (74) FB Rice Pty Ltd
- 
- (71) D.E. SHAW RESEARCH, LLC  
 (11) AU-A-2021358700  
 (21) 2021358700 (22) 04.10.2021  
 (54) LACTAM COMPOUNDS AS Kv1.3 POTASSIUM SHAKER CHANNEL BLOCKERS  
 (51) Int. Cl.
- 
- A61K 31/05* ( 2006.01 )  
*A61K 31/40* ( 2006.01 )  
*A61K 31/4015* ( 2006.01 )  
*C07C 39/04* ( 2006.01 )  
*C07D 207/26* ( 2006.01 )  
*C07D 207/263* ( 2006.01 )  
 (87) WO2022/076285  
 (31) 63/088,171 (32) 06.10.20 (33) US  
 (43) 14.04.2022  
 (72) GIORDANETTO, Fabrizio; JENSEN, Morten Østergaard; JOGINI, Vishwanath; SNOW, Roger John  
 (74) WRAYS PTY LTD
- 
- (71) DAIKIN INDUSTRIES, LTD.  
 (11) AU-A-2021346997  
 (21) 2021346997 (22) 09.06.2021  
 (54) AIR CONDITIONING SYSTEM, AND INDOOR UNIT OF SAME  
 (51) Int. Cl.  
*F25B 49/02* ( 2006.01 )  
*F24F 11/36* ( 2018.01 )  
*F24F 11/46* ( 2018.01 )  
 (87) WO2022/064784  
 (31) 2020-159856 (32) 24.09.20 (33) JP  
 (43) 31.03.2022  
 (72) NAKANO, Akihiro; MASUDA, Fumika; OKA, Seiji  
 (74) Spruson & Ferguson
- 
- (71) DAIKIN INDUSTRIES, LTD.  
 (11) AU-A-2021350787  
 (21) 2021350787 (22) 24.05.2021  
 (54) FLOOR-STANDING AIR CONDITIONER  
 (51) Int. Cl.  
*F24F 1/0014* ( 2019.01 )  
*F24F 1/005* ( 2019.01 )  
*F24F 11/77* ( 2018.01 )  
*F24F 11/79* ( 2018.01 )  
 (87) WO2022/064768  
 (31) 2020-160048 (32) 24.09.20 (33) JP  
 (43) 31.03.2022  
 (72) NAKANO, Akihiro; MASUDA, Fumika; OKA, Seiji  
 (74) Spruson & Ferguson
- 
- (71) DAIKIN INDUSTRIES, LTD.  
 (11) AU-A-2021355100  
 (21) 2021355100 (22) 21.09.2021  
 (54) POWER CONTROL SYSTEM AND APPARATUS  
 (51) Int. Cl.  
*H02J 3/16* ( 2006.01 )  
*H02J 3/01* ( 2006.01 )  
 (87) WO2022/071035  
 (31) 2020-164996 (32) 30.09.20 (33) JP  
 (43) 07.04.2022  
 (72) KOUNO, Masaki; KAWASHIMA, Reiji; OHTA, Keisuke; KOJIMA, Hiroki; MAEDA, Toshiyuki  
 (74) Spruson & Ferguson
- 
- (71) DAIKYO SEIKO, LTD.  
 (11) AU-A-2020465340  
 (21) 2020465340 (22) 31.08.2020  
 (54) PISTON

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

- (51) Int. Cl.  
**A61M 5/315** ( 2006.01 )
- (87) WO2022/044340  
(43) 03.03.2022  
(72) SUTO Hiroshi  
(74) Davies Collison Cave Pty Ltd
- 
- (71) DANIELI & C. OFFICINE MEC-  
CANICHE S.P.A.  
(11) AU-A-2021351246  
(21) 2021351246 (22) 28.09.2021  
(54) APPARATUS AND METHOD FOR  
FEEDING AND PREHEATING A MET-  
AL CHARGE IN A MELTING FUR-  
NACE  
(51) Int. Cl.  
**C21C 5/52** ( 2006.01 )  
**C21C 5/56** ( 2006.01 )  
**F27B 9/12** ( 2006.01 )  
**F27D 13/00** ( 2006.01 )  
**F27D 17/00** ( 2006.01 )  
**F27D 19/00** ( 2006.01 )  
(87) WO2022/070221  
(31) 10202000022990 (32) 29.09.20 (33) IT  
(43) 07.04.2022  
(72) SCUBLA, Stefano; RONDINI, Nicola;  
BURIN, Paolo  
(74) PHILLIPS ORMONDE FITZPATRICK
- 
- (71) DENTSPLY SIRONA INC.; DENTSPLY  
DETREY GMBH  
(11) AU-A-2021346850  
(21) 2021346850 (22) 23.09.2021  
(54) DENTAL COMPOSITION  
(51) Int. Cl.  
**A61K 6/62** ( 2020.01 )  
**A61K 6/887** ( 2020.01 )  
(87) WO2022/063911  
(31) 20198217.0 (32) 24.09.20 (33) EP  
(43) 31.03.2022  
(72) LALEVÉE, Jacques; ABDALLAH, Mira;  
TIGGES, Thomas; NEUHAUS, Kira;  
RENN, Caroline; HUAIBING, Liu  
(74) Spruson & Ferguson
- 
- (71) DONGGUAN POWERAMP TECHNO-  
LOGY LIMITED  
(11) AU-A-2021345628  
(21) 2021345628 (22) 29.01.2021  
(54) ANTI-REVERSE CONNECTION PRO-  
TECTION CIRCUIT AND METHOD,  
AND ELECTROCHEMICAL APPAR-  
ATUS AND ENERGY STORAGE SYS-  
TEM  
(51) Int. Cl.  
**H02H 11/00** ( 2006.01 )  
**H02H 7/18** ( 2006.01 )  
**H02J 7/00** ( 2006.01 )  
(87) WO2022/057194  
(31) 202010988586.2 (32) 18.09.20 (33) CN  
(43) 24.03.2022  
(72) LIU, Qifan  
(74) Admiral Trademarks & Patents Ser-  
vices
- 
- (71) DSM AUSTRIA GMBH  
(11) AU-A-2021355869
- 
- (21) 2021355869 (22) 10.03.2021  
(54) TETRAMERIC ALPHA/BETA HYDRO-  
LASE VARIANTS WITH INCREASED  
TEMPERATURE STABILITY AND  
METHODS OF USING AND PRODU-  
CING THEREOF  
(51) Int. Cl.  
**C12N 9/18** ( 2006.01 )  
**A23K 10/14** ( 2016.01 )  
**A23K 20/189** ( 2016.01 )  
**A23K 50/75** ( 2016.01 )  
**A23L 5/20** ( 2016.01 )  
**A23L 29/00** ( 2016.01 )  
**A61K 38/46** ( 2006.01 )  
**A61P 5/00** ( 2006.01 )  
**C12N 15/82** ( 2006.01 )  
(87) WO2022/073649  
(31) 20200918.9 (32) 08.10.20 (33) EP  
(43) 14.04.2022  
(72) HOEBARTNER-GUSSL, Andreas;  
KILLINGER, Manuela; VOGTENTANZ,  
Gudrun; FRUHAUF, Sebastian; KRAIN-  
ER, Florian  
(74) WRAYS PTY LTD
- 
- (71) DSM IP ASSETS B.V.; NOVOZYMES  
A/S  
(11) AU-A-2021360228  
(21) 2021360228 (22) 15.10.2021  
(54) METHODS OF MODULATING  
GASTROINTESTINAL METABOLITES  
(51) Int. Cl.  
**A23K 20/189** ( 2016.01 )  
**A23K 50/30** ( 2016.01 )  
**A23K 50/60** ( 2016.01 )  
**A23K 50/75** ( 2016.01 )  
**C12N 9/02** ( 2006.01 )  
(87) WO2022/079238  
(31) 63/092,082 (32) 15.10.20 (33) US  
(43) 21.04.2022  
(72) CLAYPOOL, Joshua; SCHYNS, Ghis-  
lain  
(74) PHILLIPS ORMONDE FITZPATRICK
- 
- (71) DSM IP ASSETS B.V.  
(11) AU-A-2021367159  
(21) 2021367159 (22) 21.10.2021  
(54) MICROORGANISMS FOR DITER-  
PENE PRODUCTION  
(51) Int. Cl.  
**C12N 9/10** ( 2006.01 )  
**C12P 19/56** ( 2006.01 )  
(87) WO2022/084482  
(31) 20203470.8 (32) 22.10.20 (33) EP  
20215939.8 21.12.20 EP  
(43) 28.04.2022  
(72) KOLEN, Catharina, Petronella, Antonia,  
Maria  
(74) PHILLIPS ORMONDE FITZPATRICK
- 
- (71) DSM IP ASSETS B.V.  
(11) AU-A-2021368668  
(21) 2021368668 (22) 29.10.2021  
(54) TISSUE REPAIR DEVICE AND MOLD-  
ING PROCESS  
(51) Int. Cl.  
**A61F 2/28** ( 2006.01 )  
**A61F 2/02** ( 2006.01 )  
**A61L 27/00** ( 2006.01 )
- 
- A61L 27/32** ( 2006.01 )  
(87) WO2022/094246  
(31) 29/756,896 (32) 30.10.20 (33) US  
63/107,618 30.10.20 US  
20209383.7 24.11.20 EP  
(43) 05.05.2022  
(72) INNAMORATO, Julia; KOLB, James;  
DICHTER, Rachel; HEINZ, Damian;  
ROSCIOLI, Nicholas  
(74) PHILLIPS ORMONDE FITZPATRICK
- 
- (71) DUSTY ROBOTICS, INC.  
(11) AU-A-2021347329  
(21) 2021347329 (22) 23.09.2021  
(54) MOBILE PRINTING ROBOT SYS-  
TEM, APPARATUS, AND METHOD TO  
AUTOMATICALLY PRINT CONSTRUC-  
TION TRADE INFORMATION FOR  
PRINTED LAYOUT LINES  
(51) Int. Cl.  
**B41J 3/407** ( 2006.01 )  
**B41J 3/36** ( 2006.01 )  
**B41J 29/38** ( 2006.01 )  
**G05B 19/4099** ( 2006.01 )  
**G05D 1/02** ( 2020.01 )  
(87) WO2022/066939  
(31) 63/082,334 (32) 23.09.20 (33) US  
(43) 31.03.2022  
(72) HERGET, Philipp Josef; LAU, Tessa  
Ann; THOMSON, Michael  
(74) AJ PARK
- 
- (71) EAST END MEDICAL, LLC  
(11) AU-A-2021343489  
(21) 2021343489 (22) 17.09.2021  
(54) PERCUTANEOUS RETROGRADE  
THERAPY FOR PULMONARY EM-  
BOLISM  
(51) Int. Cl.  
**A61M 1/36** ( 2006.01 )  
**A61B 17/22** ( 2006.01 )  
**A61B 17/34** ( 2006.01 )  
(87) WO2022/061062  
(31) 63/080,332 (32) 18.09.20 (33) US  
(43) 24.03.2022  
(72) MAINI, Brijeshwar, S.; ANWARUDDIN,  
Saif  
(74) HopgoodGanim
- 
- (71) ELAFLEX HIBY GMBH & CO. KG  
(11) AU-A-2021352963  
(21) 2021352963 (22) 22.09.2021  
(54) SELF-CLOSING FILLING NOZZLE  
(51) Int. Cl.  
**B67D 7/48** ( 2010.01 )  
**B67D 7/02** ( 2010.01 )  
**B67D 7/52** ( 2010.01 )  
(87) WO2022/069319  
(31) 20198850.8 (32) 29.09.20 (33) EP  
(43) 07.04.2022  
(72) MEYER, Ulrich; VIETS, Sebastian  
(74) Griffith Hack
- 
- (71) ELANCO TIERGESUNDHEIT AG  
(11) AU-A-2021335418  
(21) 2021335418 (22) 01.09.2021  
(54) CHEWABLE FORMULATIONS

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

- (51) Int. Cl.  
**A61K 9/00** ( 2006.01 )  
**A61K 31/277** ( 2006.01 )  
**A61K 31/365** ( 2006.01 )  
**A61K 31/422** ( 2006.01 )  
**A61K 31/4985** ( 2006.01 )  
**A61K 31/506** ( 2006.01 )  
**A61K 45/06** ( 2006.01 )  
**A61K 47/02** ( 2006.01 )  
(87) WO2022/049149  
(31) 20305978.7 (32) 03.09.20 (33) EP  
(43) 10.03.2022  
(72) CHEVREAU, Clément Maxime; GRENIER, Pascal; REITZ, Claudia  
(74) Davies Collison Cave Pty Ltd
- 
- (71) ELANCO US INC.  
(11) AU-A-2021335500  
(21) 2021335500 (22) 02.09.2021  
(54) PALATABLE FORMULATIONS  
(51) Int. Cl.  
**A61K 9/26** ( 2006.01 )  
**A61K 31/365** ( 2006.01 )  
**A61K 31/422** ( 2006.01 )  
**A61K 31/4985** ( 2006.01 )  
**A61K 31/506** ( 2006.01 )  
**A61P 33/00** ( 2006.01 )  
(87) WO2022/051478  
(31) 63/075,055 (32) 04.09.20 (33) US  
(43) 10.03.2022  
(72) PATIL, Rajesh  
(74) Davies Collison Cave Pty Ltd
- 
- (71) ELECTRICAL SUBSEA & DRILLING AS  
(11) AU-A-2021381242  
(21) 2021381242 (22) 17.11.2021  
(54) PACKER ARRANGEMENT FOR SEALINGLY GUIDING A DRILLSTRING THERETHROUGH  
(51) Int. Cl.  
**E21B 21/08** ( 2006.01 )  
**E21B 33/08** ( 2006.01 )  
(87) WO2022/108455  
(31) 20201277 (32) 21.11.20 (33) NO  
20211367 16.11.21 NO  
(43) 27.05.2022  
(72) ERIKSEN, Egil  
(74) Dennemeyer & Associates
- 
- (71) ELECTROLUX APPLIANCES AKTIEBOLAG  
(11) AU-A-2020471517  
(21) 2020471517 (22) 09.10.2020  
(54) HOUSEHOLD APPLIANCE WITH A USER INTERFACE  
(51) Int. Cl.  
**F25D 29/00** ( 2006.01 )  
**H03K 17/96** ( 2006.01 )  
(87) WO2022/073620  
(43) 14.04.2022  
(72) RIZZO, Luca; DAL CANTON, Tristano; BROCCA, Jose; KOBAYASHI, Luis  
(74) Halfords IP
- 
- (71) EMOJI ID, LLC  
(11) AU-A-2021344606
- (21) 2021344606 (22) 21.09.2021  
(54) SYSTEMS AND METHODS FOR GENERATING, SECURING, AND MAINTAINING EMOJI SEQUENCE DIGITAL TOKENS  
(51) Int. Cl.  
**H04L 9/08** ( 2006.01 )  
**H04L 9/32** ( 2006.01 )  
(87) WO2022/061376  
(31) 63/081,184 (32) 21.09.20 (33) US  
(43) 24.03.2022  
(72) JAIN, Naveen Kumar; SPAGNI, Riccardo Paolo; SHARROCK, Cayle Jon  
(74) Argon IP Advisory Pty Ltd
- 
- (71) EMPO HEALTH, INC.  
(11) AU-A-2021327391  
(21) 2021327391 (22) 20.08.2021  
(54) SYSTEM TO DETECT FOOT ABNORMALITIES  
(51) Int. Cl.  
**A61B 5/00** ( 2006.01 )  
**A47K 17/00** ( 2006.01 )  
**A61B 5/107** ( 2006.01 )  
**A61B 6/00** ( 2006.01 )  
**A61B 90/00** ( 2016.01 )  
**G01G 19/50** ( 2006.01 )  
(87) WO2022/040576  
(31) 63/068,567 (32) 21.08.20 (33) US  
(43) 24.02.2022  
(72) KHANDELWAL, Anuj; DAHLSENG, Eric  
(74) RnB IP Pty Ltd
- 
- (71) ENSURGE MEDICAL (SUZHOU) CO., LTD.  
(11) AU-A-2021375720  
(21) 2021375720 (22) 22.10.2021  
(54) ULTRASONIC SCALPEL HANDLE, ULTRASONIC SCALPEL AND ULTRASONIC SCALPEL SYSTEM  
(51) Int. Cl.  
**A61B 17/32** ( 2006.01 )  
(87) WO2022/095728  
(31) 202011212999.8 (32) 04.11.20 (33) CN  
202120458579.1 03.03.21 CN  
202110721818.2 28.06.21 CN  
(43) 12.05.2022  
(72) ZHANG, Jun  
(74) Davies Collison Cave Pty Ltd
- 
- (71) ENVOLA GMBH  
(11) AU-A-2021350153  
(21) 2021350153 (22) 24.09.2021  
(54) INSTALLATION DEVICE HAVING POWER-ENGINEERING OR BUILDING-SERVICES MODULES, AND METHOD FOR REMOVING A MODULE FROM AN INSTALLATION DEVICE OF THIS TYPE  
(51) Int. Cl.  
**F24D 19/00** ( 2006.01 )  
**F24H 9/02** ( 2006.01 )  
**F24H 9/06** ( 2006.01 )  
**F24H 9/14** ( 2006.01 )  
(87) WO2022/063969  
(31) 10 2020 125 017.7 (32) 25.09.20 (33) DE
- 
- (43) 31.03.2022  
(72) SCHECHNER, Alexander; IHLE, Gerhard  
(74) Spruson & Ferguson
- 
- (71) EPIROC ROCK DRILLS AKTIEBOLAG  
(11) AU-A-2021374339  
(21) 2021374339 (22) 01.11.2021  
(54) A METHOD PERFORMED BY A CONTROL DEVICE FOR CONTROLLING THE VELOCITY OF A MINING MACHINE, A CONTROL DEVICE, AND A MINING MACHINE  
(51) Int. Cl.  
**B60W 10/04** ( 2006.01 )  
**B60W 10/184** ( 2012.01 )  
**B60W 10/196** ( 2012.01 )  
**B60W 20/11** ( 2016.01 )  
**B60W 30/14** ( 2006.01 )  
**B60W 40/10** ( 2012.01 )  
**B60W 40/105** ( 2012.01 )  
**B60W 50/038** ( 2012.01 )  
(87) WO2022/098277  
(31) 2051284-4 (32) 05.11.20 (33) SE  
(43) 12.05.2022  
(72) SÄRNBRINK, Johan; MAGNUSSON, Simon  
(74) WRAYS PTY LTD
- 
- (71) EPIROC ROCK DRILLS AKTIEBOLAG  
(11) AU-A-2021379518  
(21) 2021379518 (22) 06.10.2021  
(54) FEEDER ARRANGEMENT ON A DRILL RIG, AND DRILL RIG  
(51) Int. Cl.  
**E21B 7/02** ( 2006.01 )  
**E21B 19/086** ( 2006.01 )  
(87) WO2022/103311  
(31) 2051316-4 (32) 11.11.20 (33) SE  
(43) 19.05.2022  
(72) SJÖHOLM, Oskar  
(74) WRAYS PTY LTD
- 
- (71) EPIROC ROCK DRILLS AKTIEBOLAG  
(11) AU-A-2021408915  
(21) 2021408915 (22) 17.12.2021  
(54) DRILL BIT CHANGE IN FACE DRILL RIG  
(51) Int. Cl.  
**E21B 19/14** ( 2006.01 )  
**E21B 7/02** ( 2006.01 )  
**E21B 19/18** ( 2006.01 )  
**E21B 19/20** ( 2006.01 )  
(87) WO2022/139663  
(31) 2051561-5 (32) 23.12.20 (33) SE  
(43) 30.06.2022  
(72) STÄLNACKE, Gunnar  
(74) WRAYS PTY LTD
- 
- (71) EPSITAU LTD  
(11) AU-A-2021328743  
(21) 2021328743 (22) 15.08.2021  
(54) LIGHTWEIGHT MAGNET ARRAYS FOR MRI APPLICATIONS  
(51) Int. Cl.  
**G01R 33/383** ( 2006.01 )  
**A61B 5/055** ( 2006.01 )

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

(87) WO2022/038483  
 (31) 63/066,286 (32) 16.08.20 (33) US  
 (43) 24.02.2022  
 (72) HAHAM HAY, Noam; HAHAM HAY,  
 Noam  
 (74) Noam Haham Hay

(71) EVELO BIOSCIENCES, INC.  
 (11) AU-A-2021342481  
 (21) 2021342481 (22) 17.09.2021  
 (54) SOLID DOSAGE FORMS OF BAC-  
 TERIA  
 (51) Int. Cl.  
 A61K 9/28 ( 2006.01 )  
 A61K 35/74 ( 2015.01 )  
 A61P 1/00 ( 2006.01 )  
 A61P 43/00 ( 2006.01 )

(87) WO2022/061094  
 (31) 63/080,263 (32) 18.09.20 (33) US  
 63/234,483 18.08.21 US  
 63/157,153 05.03.21 US  
 63/089,799 09.10.20 US  
 63/145,786 04.02.21 US  
 63/110,090 05.11.20 US  
 63/161,617 16.03.21 US  
 (43) 24.03.2022  
 (72) ALTAF, Syed; HUANG, Ruiming;  
 WARD, Robert; WILSON, Ryan;  
 ZHANG, Chun  
 (74) Spruson & Ferguson

(71) EVONIK OPERATIONS GMBH  
 (11) AU-A-2021328002  
 (21) 2021328002 (22) 15.07.2021  
 (54) PRODUCTION OF HIGH TEMPERAT-  
 URE POLYMER BASED PELLETS BY  
 UNDERWATER PELLETIZATION AT  
 ELEVATED WATER TEMPERATURE  
 TO PRODUCE (RIGID) BEAD FOAMS  
 (51) Int. Cl.  
 B29B 9/06 ( 2006.01 )  
 B29B 9/12 ( 2006.01 )  
 B29C 48/00 ( 2019.01 )  
 B29C 48/02 ( 2019.01 )  
 C08J 9/16 ( 2006.01 )  
 C08J 9/232 ( 2006.01 )  
 B01J 2/20 ( 2006.01 )  
 B29K 479/00 ( 2006.01 )  
 B29K 481/00 ( 2006.01 )

(87) WO2022/037857  
 (31) 20191446.2 (32) 18.08.20 (33) EP  
 (43) 24.02.2022  
 (72) TRASSL, Christian; NIEPERT, Melanie;  
 HOPF, Florian; HOLLEYN, Denis;  
 GANGLAUF, Mona  
 (74) AJ PARK

(71) EVONIK OPERATIONS GMBH  
 (11) AU-A-2021331097  
 (21) 2021331097 (22) 02.07.2021  
 (54) NEW DEPOLYMERIZATION METHOD  
 FOR POLYURETHANES  
 (51) Int. Cl.  
 C08G 18/32 ( 2006.01 )  
 C08G 18/48 ( 2006.01 )  
 C08J 11/04 ( 2006.01 )  
 C08J 11/14 ( 2006.01 )  
 C08J 11/16 ( 2006.01 )  
 C08J 11/28 ( 2006.01 )

(87) WO2022/042910  
 (31) 20192364.6 (32) 24.08.20 (33) EP  
 (43) 03.03.2022  
 (72) HILDEBRAND, Jens; TERHEIDEN, An-  
 negret; HINRICHS-TONTRUP, Natalia;  
 PFEFFERLE, Walter  
 (74) AJ PARK

(71) EVONIK OPERATIONS GMBH  
 (11) AU-A-2021332957  
 (21) 2021332957 (22) 02.07.2021  
 (54) DEPOLYMERIZATION OF POLY-  
 URETHANES UNDER MILD CONDI-  
 TIONS  
 (51) Int. Cl.  
 C08G 18/32 ( 2006.01 )  
 C08G 18/48 ( 2006.01 )  
 C08J 11/14 ( 2006.01 )  
 C08J 11/16 ( 2006.01 )  
 C08J 11/28 ( 2006.01 )

(87) WO2022/042909  
 (31) 20192354.7 (32) 24.08.20 (33) EP  
 (43) 03.03.2022  
 (72) HILDEBRAND, Jens; TERHEIDEN, An-  
 negret; HINRICHS-TONTRUP, Natalia;  
 PFEFFERLE, Walter  
 (74) AJ PARK

(71) EXEL INDUSTRIES  
 (11) AU-A-2021329040  
 (21) 2021329040 (22) 20.08.2021  
 (54) AGRICULTURE DEVICE FOR DIS-  
 PENSING A LIQUID  
 (51) Int. Cl.  
 A01M 7/00 ( 2006.01 )  
 B05B 9/06 ( 2006.01 )  
 (87) WO2022/038274  
 (31) 2026315 (32) 20.08.20 (33) NL  
 2027072 08.12.20 NL  
 (43) 24.02.2022  
 (72) SOARES, Simao  
 (74) Spruson & Ferguson

(71) FARX TECHNOLOGIES LIMITED  
 (11) AU-A-2021339055  
 (21) 2021339055 (22) 14.09.2021  
 (54) A computer implemented method  
 (51) Int. Cl.  
 G06F 21/32 ( 2013.01 )  
 G10L 15/25 ( 2013.01 )  
 G10L 17/12 ( 2013.01 )  
 (87) WO2022/053834  
 (31) 2014436.6 (32) 14.09.20 (33) GB  
 (43) 17.03.2022  
 (72) SUMMERFIELD, Clive David  
 (74) KINGS PATENT & TRADE MARKS AT-  
 TORNEYS PTY LTD

(71) FCT HOLDINGS PTY LTD  
 (11) AU-A-2020474984  
 (21) 2020474984 (22) 27.10.2020  
 (54) METHOD FOR PRODUCING ACTIV-  
 ATED/CALCINED CLAY USING CAL-  
 CIUM ALUMINOFERRITE OR CALCI-  
 IUM FERRITE AND CLAY COMPOSI-  
 TION PRODUCED BY SAID METHOD  
 (51) Int. Cl.

C04B 33/04 ( 2006.01 )  
 C04B 28/22 ( 2006.01 )  
 C04B 40/00 ( 2006.01 )  
 (87) WO2022/087692  
 (43) 05.05.2022  
 (72) LUCAS GERVASIO LADEIRA, Pedro;  
 BARROS GRECO, Adriano  
 (74) Michael Buck IP

(71) FISHER & PAYKEL HEALTHCARE  
 LIMITED  
 (11) AU-A-2021344755  
 (21) 2021344755 (22) 21.09.2021  
 (54) A BREATHING ASSISTANCE APPAR-  
 ATUS  
 (51) Int. Cl.  
 A61M 16/00 ( 2006.01 )  
 (87) WO2022/058982  
 (31) 63/081,230 (32) 21.09.20 (33) US  
 (43) 24.03.2022  
 (72) PEIRIS, Malik Tivanka Rajiv; WYSO-  
 SKI, Simej Gomes  
 (74) Flint Intellectual Property Limited

(71) FLAGSHIP PIONEERING INNOVA-  
 TIONS V, INC.  
 (11) AU-A-2021350024  
 (21) 2021350024 (22) 24.09.2021  
 (54) COMPOSITIONS AND METHODS  
 FOR INHIBITING GENE EXPRESSION  
 (51) Int. Cl.  
 C12N 9/22 ( 2006.01 )  
 C12N 15/11 ( 2006.01 )  
 C12N 15/113 ( 2010.01 )  
 C12N 15/63 ( 2006.01 )  
 C12N 15/90 ( 2006.01 )  
 (87) WO2022/067033  
 (31) 63/082,555 (32) 24.09.20 (33) US  
 63/242,957 10.09.21 US  
 (43) 31.03.2022  
 (72) KENNEDY, Jodi Michelle; FARELLI,  
 Jeremiah Dale  
 (74) Spruson & Ferguson

(71) FLAGSHIP PIONEERING INNOVA-  
 TIONS V, INC.  
 (11) AU-A-2021354159  
 (21) 2021354159 (22) 29.09.2021  
 (54) COMPOSITIONS AND METHODS  
 FOR INHIBITING THE EXPRESSION  
 OF MULTIPLE GENES  
 (51) Int. Cl.  
 C12N 15/10 ( 2006.01 )  
 A61K 48/00 ( 2006.01 )  
 C12N 15/11 ( 2006.01 )  
 (87) WO2022/072546  
 (31) 63/216,487 (32) 29.06.21 (33) US  
 63/085,013 29.09.20 US  
 (43) 07.04.2022  
 (72) BEECH, Lauren, Marie; SMITH,  
 Jesse, Jerome; KARNIK, Rahul;  
 GOSS, Kendrick, Alan; SCHEIDEG-  
 GER, Adam, Walter; KENNEDY, Jodi,  
 Michelle; FARELLI, Jeremiah, Dale; BE-  
 LAGHZAL, Houda; NGUYEN, Laura,  
 Anh; O'DONNELL, Charles, W.  
 (74) Spruson & Ferguson

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

- (71) FLEXICARE (GROUP) LIMITED  
(11) AU-A-2021338920  
(21) 2021338920 (22) 09.09.2021  
(54) BREATH ACTUATED NEBULIZER  
(51) Int. Cl.  
A61M 11/02 (2006.01)  
(87) WO2022/056535  
(31) 63/076,446 (32) 10.09.20 (33) US  
(43) 17.03.2022  
(72) TODDYWALA, Rohinton, D.; SHUKLA, Vijay; HOSSAIN, K., Mosaddeq  
(74) Davies Collison Cave Pty Ltd
- 
- (71) FOOD NERD INC.  
(11) AU-A-2021332201  
(21) 2021332201 (22) 24.08.2021  
(54) COMPOSITION MANUFACTURED FROM FREEZE-DRIED EMBRYONIC SPROUTED PLANTS, AND METHODS OF MAKING AND USING THE SAME  
(51) Int. Cl.  
A23L 3/44 (2006.01)  
A23K 10/30 (2016.01)  
A23L 3/00 (2006.01)  
A23L 11/00 (2021.01)  
A23L 11/70 (2021.01)  
A23L 25/00 (2016.01)  
A23P 10/00 (2016.01)  
A23P 10/40 (2016.01)  
(87) WO2022/046743  
(31) 63/069,676 (32) 24.08.20 (33) US  
(43) 03.03.2022  
(72) CRYAN, Sharon  
(74) Cooper IP Pty Ltd
- 
- (71) FPS FOOD PROCESS SOLUTIONS CORP.  
(11) AU-A-2021345503  
(21) 2021345503 (22) 08.09.2021  
(54) HORIZONTAL AND RADIAL AIRFLOW HEAT TRANSFER SYSTEM  
(51) Int. Cl.  
B65G 49/00 (2006.01)  
A21B 1/26 (2006.01)  
A21B 1/42 (2006.01)  
A21B 1/48 (2006.01)  
(87) WO2022/056620  
(31) 63/081,090 (32) 21.09.20 (33) US  
(43) 24.03.2022  
(72) CHANG, Kin Hung Jeffrey  
(74) Spruson & Ferguson
- 
- (71) FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V.  
(11) AU-A-2021348962  
(21) 2021348962 (22) 10.09.2021  
(54) ELECTROCHEMICAL CELL, MORE PARTICULARLY OF A REDOX FLOW BATTERY, AND CORRESPONDING CELL STACK  
(51) Int. Cl.  
H01M 8/2483 (2016.01)  
(87) WO2022/063610  
(31) 10 2020 124 801.6 (32) 23.09.20 (33) DE  
(43) 31.03.2022  
(72) GIRSCHIK, Jan  
(74) Griffith Hack
- 
- (71) FRESHAPE SA  
(11) AU-A-2021350586  
(21) 2021350586 (22) 23.09.2021  
(54) OPTICAL STYLUS FOR OPTICAL POSITION DETERMINATION DEVICE  
(51) Int. Cl.  
G06F 3/0354 (2013.01)  
G06F 3/03 (2006.01)  
G06F 3/0346 (2013.01)  
(87) WO2022/064412  
(31) 20198791.4 (32) 28.09.20 (33) EP  
(43) 31.03.2022  
(72) UNUCHEK, Dmitrii; GUERIN, Guil-laume; LESSA, Leonardo; LIU, Yuhang  
(74) Kevin Ashby
- 
- (71) FRIESLANDCAMPINA NEDERLAND B.V.  
(11) AU-A-2021370933  
(21) 2021370933 (22) 29.10.2021  
(54) PROCESS FOR THE PURIFICATION OF AN ACIDIC HUMAN MILK OLIGOSACCHARIDE FROM FERMENTATION BROTH  
(51) Int. Cl.  
C12P 19/04 (2006.01)  
B01D 15/36 (2006.01)  
C07H 1/08 (2006.01)  
(87) WO2022/090450  
(31) 20204812.0 (32) 30.10.20 (33) EP  
(43) 05.05.2022  
(72) BONTE, Alfred Willy; JEURISSEN, Franciscus Johannes Hubertus; VAN GENUCHTEN, Martina Henrica Maria  
(74) Spruson & Ferguson
- 
- (71) FTC SOLAR, INC.  
(11) AU-A-2021344311  
(21) 2021344311 (22) 03.09.2021  
(54) SYSTEMS AND METHODS FOR SOLAR TRACKERS WITH DIFFUSE LIGHT TRACKING  
(51) Int. Cl.  
G05D 3/10 (2006.01)  
G01S 3/786 (2006.01)  
H02S 20/32 (2014.01)  
H02S 50/00 (2014.01)  
(87) WO2022/060585  
(31) 17/022,974 (32) 16.09.20 (33) US  
(43) 24.03.2022  
(72) MORSE, Andrew Joseph; CHER-UKUPALLI, Nagendra Srinivas; MOUNIANDY, TAMILARASAN  
(74) Spruson & Ferguson
- 
- (71) FUJIAN AKEYLINK BIOTECHNOLOGY CO., LTD.  
(11) AU-A-2022258377  
(21) 2022258377 (22) 18.04.2022  
(54) RING-MODIFIED PROLINE SHORT PEPTIDE COMPOUND AND USE THEREOF  
(51) Int. Cl.  
C07D 487/06 (2006.01)  
A61K 31/403 (2006.01)  
A61K 31/437 (2006.01)
- 
- (71) FUJITSU LIMITED  
(11) AU-A-2020474963  
(21) 2020474963 (22) 30.10.2020  
(54) INFORMATION PROCESSING PROGRAM, INFORMATION PROCESSING METHOD, AND INFORMATION PROCESSING DEVICE  
(51) Int. Cl.  
G06F 40/30 (2020.01)  
(87) WO2022/091359  
(43) 05.05.2022  
(72) KATAOKA, Masahiro; IWAMOTO, Shouji; KAWANA, Kenji  
(74) Spruson & Ferguson
- 
- (71) GALE, S.W.  
(11) AU-A-2021333390  
(21) 2021333390 (22) 24.08.2021  
(54) MASS ESTIMATING SYSTEMS AND METHODS  
(51) Int. Cl.  
G01G 19/03 (2006.01)  
B25J 19/02 (2006.01)  
(87) WO2022/040735  
(31) 2020903097 (32) 28.08.20 (33) AU  
(43) 03.03.2022  
(72) GALE, Stephen William  
(74) FB Rice Pty Ltd
- 
- (71) GAMMADELTA THERAPEUTICS LTD  
(11) AU-A-2021336118  
(21) 2021336118 (22) 04.09.2021  
(54) IMMUNOTHERAPY COMPOSITION  
(51) Int. Cl.  
C12N 5/0783 (2010.01)  
(87) WO2022/049550  
(31) 2013962.2 (32) 04.09.20 (33) GB  
(43) 10.03.2022  
(72) RECALDIN, Timothy; SIMOES, Andre; NUSSBAUMER, Oliver; KOVACS, Istvan; PATEL, Mihil  
(74) Griffith Hack
- 
- (71) A61P 31/14 (2006.01)  
(87) WO2022/218442  
(31) 202110413867.X (32) 16.04.21 (33) CN  
202110517743.6 12.05.21 CN  
202110637580.5 08.06.21 CN  
202110659242.1 11.06.21 CN  
202110879570.2 30.07.21 CN  
202111040878.4 06.09.21 CN  
202111088812.2 16.09.21 CN  
202111307043.0 05.11.21 CN  
202111343012.0 12.11.21 CN  
202111433962.2 29.11.21 CN  
202111567163.4 20.12.21 CN  
202210029887.1 12.01.22 CN  
202210170046.2 23.02.22 CN  
(43) 20.10.2022  
(72) CHEN, Shuhui; YANG, Yaxun; ZHANG, Jianchen; LI, Peng; HE, Haiying; WANG, Zheng; LI, Jian  
(74) FB Rice Pty Ltd



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

- (71) GANNEX PHARMA CO., LTD.  
 (11) AU-A-2020470624  
 (21) 2020470624 (22) 30.09.2020  
 (54) CRYSTAL OF THYROID HORMONE SS RECEPTOR AGONIST, PREPARATION METHOD THEREFOR AND USE THEREOF  
 (51) Int. Cl.  
**C07F 9/6571** ( 2006.01 )  
**A61K 31/662** ( 2006.01 )  
**A61K 31/683** ( 2006.01 )  
**A61P 5/14** ( 2006.01 )  
 (87) WO2022/067602  
 (43) 07.04.2022  
 (72) WU, Jinzi Jason; LIANG, Bin; WU, Jian  
 (74) Davies Collison Cave Pty Ltd
- 
- (71) GBS GLOBAL BIOPHARMA, INC.  
 (11) AU-A-2021327215  
 (21) 2021327215 (22) 18.08.2021  
 (54) CANNABINOID-CONTAINING COMPLEX MIXTURES FOR THE TREATMENT OF CYTOKINE RELEASE SYNDROME WHILE PRESERVING KEY ANTI-VIRAL IMMUNE REACTIONS  
 (51) Int. Cl.  
**C07C 69/94** ( 2006.01 )  
**C07C 37/50** ( 2006.01 )  
**C07C 67/29** ( 2006.01 )  
 (87) WO2022/040367  
 (31) 63/067,271 (32) 18.08.20 (33) US  
 (43) 24.02.2022  
 (72) SMALL-HOWARD, Andrea Lee  
 (74) FB Rice Pty Ltd
- 
- (71) GCP APPLIED TECHNOLOGIES INC.  
 (11) AU-A-2021343193  
 (21) 2021343193 (22) 14.09.2021  
 (54) REACTIVE COLD-APPLIED THERMOPLASTIC BOND COAT  
 (51) Int. Cl.  
**C09D 5/00** ( 2006.01 )  
 (87) WO2022/060679  
 (31) 63/080,175 (32) 18.09.20 (33) US  
 (43) 24.03.2022  
 (72) KAZMI, Abbas; HORTON, Steven; MCGUIRE, Katie; MILLNER, Jonathon  
 (74) PHILLIPS ORMONDE FITZPATRICK
- 
- (71) GEA WESTFALIA SEPARATOR GROUP GMBH  
 (11) AU-A-2021370917  
 (21) 2021370917 (22) 28.10.2021  
 (54) SEPARATOR  
 (51) Int. Cl.  
**B04B 1/14** ( 2006.01 )  
**B04B 11/04** ( 2006.01 )  
 (87) WO2022/090370  
 (31) 10 2020 128 748.8 (32) 02.11.20 (33) DE  
 (43) 05.05.2022  
 (72) HÖLSCHER, Andreas; MICHEL, Andrej; VOLTMANN, Angelika; QUITER, Kathrin; BATHHELT, Thomas; KLEIMANN, Thomas  
 (74) FOUNDRY INTELLECTUAL PROPERTY PTY LTD
- 
- (71) GENENTECH, INC.  
 (11) AU-A-2021358031  
 (21) 2021358031 (22) 05.10.2021  
 (54) DOSING FOR TREATMENT WITH ANTI-FCRH5/ANTI-CD3 BISPECIFIC ANTIBODIES  
 (51) Int. Cl.  
**A61P 35/00** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )  
 (87) WO2022/076462  
 (31) 63/116,597 (32) 20.11.20 (33) US  
 63/229,019 03.08.21 US  
 63/087,623 05.10.20 US  
 63/239,859 01.09.21 US  
 (43) 14.04.2022  
 (72) FINE, Bernard, Martin; SUMIYOSHI, Teiko; LI, Mengsong; COOPER, James, Niall  
 (74) FPA Patent Attorneys Pty Ltd
- 
- (71) GEN-PROBE INCORPORATED  
 (11) AU-A-2021372524  
 (21) 2021372524 (22) 29.10.2021  
 (54) COMPOSITIONS AND METHODS FOR DETECTING INFLUENZA A, INFLUENZA B, AND SARS-COV-2  
 (51) Int. Cl.  
**C12Q 1/68** ( 2018.01 )  
**C12Q 1/6844** ( 2018.01 )  
**C12Q 1/686** ( 2018.01 )  
**C12Q 1/70** ( 2006.01 )  
 (87) WO2022/094193  
 (31) 63/107,779 (32) 30.10.20 (33) US  
 (43) 05.05.2022  
 (72) CLARK, Craig, Brian; PHAM, Jimmykim; DARBY, Paul, M.; HO, Yi-Hsuan Elisha  
 (74) FB Rice Pty Ltd
- 
- (71) GENZYME CORPORATION  
 (11) AU-A-2021327387  
 (21) 2021327387 (22) 20.08.2021  
 (54) FGFR3 ANTIBODIES AND METHODS OF USE  
 (51) Int. Cl.  
**A61P 19/08** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )  
 (87) WO2022/040560  
 (31) 63/068,575 (32) 21.08.20 (33) US  
 (43) 24.02.2022  
 (72) SABBAGH, Yves; CHEN, Yangde; BRONDYK, William; QIU, Huawei; PARK, Sunghae; WEI, Ronnie; QIU, Yu; ZHOU, Yanfeng; LEMOINE, Cendrine; CHO, HyunSuk  
 (74) Griffith Hack
- 
- (71) GENZYME CORPORATION  
 (11) AU-A-2021339844  
 (21) 2021339844 (22) 14.09.2021  
 (54) COMPOUNDS AS MODULATORS OF BIS-PHOSPHOGLYCERATE MUTASE FOR THE TREATMENT OF SICKLE CELL DISEASE  
 (51) Int. Cl.  
**A61P 7/00** ( 2006.01 )  
**A61K 31/427** ( 2006.01 )  
**C07D 417/04** ( 2006.01 )
- 
- C07D 417/14** ( 2006.01 )  
 (87) WO2022/056449  
 (31) 63/077,973 (32) 14.09.20 (33) US  
 (43) 17.03.2022  
 (72) DESAI, Kunal; FANG, Zhong; GUERTIN, Kevin; HONG, Vu; JIANG, John Ziqi; LIM, Sungtaek; LIU, Jinyu; MUNSON, Mark  
 (74) ALLENS PATENT & TRADE MARK ATTORNEYS
- 
- (71) GEOQUEST SYSTEMS B.V.  
 (11) AU-A-2021344593  
 (21) 2021344593 (22) 14.09.2021  
 (54) GENERALIZABLE MACHINE LEARNING ALGORITHMS FOR FLASH CALCULATIONS  
 (51) Int. Cl.  
**G06N 20/00** ( 2019.01 )  
**E21B 41/00** ( 2006.01 )  
 (87) WO2022/061331  
 (31) 62/706,922 (32) 18.09.20 (33) US  
 (43) 24.03.2022  
 (72) PANG, John; GODLEWSKI, John; DE LA FUENTE, Alfredo; SURESHA, Suhas; GUPTA, Soumya; BHAGWAT, Prasad; CELAYA GALVAN, Jose  
 (74) Griffith Hack
- 
- (71) GEORAMA, INC.  
 (11) AU-A-2021358103  
 (21) 2021358103 (22) 08.10.2021  
 (54) GENERATING INSIGHTS BASED ON SIGNALS FROM MEASURING DEVICE  
 (51) Int. Cl.  
**G06Q 10/06** ( 2023.01 )  
**G01D 21/02** ( 2006.01 )  
**G06Q 30/02** ( 2023.01 )  
 (87) WO2022/076875  
 (31) 63/089,956 (32) 09.10.20 (33) US  
 17/175,576 12.02.21 US  
 (43) 14.04.2022  
 (72) ADVANI, Nihal  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
- 
- (71) GILEAD SCIENCES, INC.  
 (11) AU-A-2021331214  
 (21) 2021331214 (22) 26.08.2021  
 (54) COMPOUNDS AND METHODS FOR TREATMENT OF VIRAL INFECTIONS  
 (51) Int. Cl.  
**C07D 487/04** ( 2006.01 )  
**A61P 31/14** ( 2006.01 )  
 (87) WO2022/047065  
 (31) 63/071,134 (32) 27.08.20 (33) US  
 63/162,283 17.03.21 US  
 63/215,310 25.06.21 US  
 (43) 03.03.2022  
 (72) BUNYAN, Elaine; CHUN, Byoung-Kwon; DEMPAN, Kassibla E.; HUI, Hon C.; KALLA, Rao V.; MACKMAN, Richard L.  
 (74) Davies Collison Cave Pty Ltd
-

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

(71) GILEAD SCIENCES, INC.  
 (11) AU-A-2021351491  
 (21) 2021351491 (22) 29.09.2021  
 (54) BRIDGED TRICYCLIC CAR-  
 BAMOYLPYRIDONE COMPOUNDS  
 AND USES THEREOF  
 (51) Int. Cl.  
**C07D 471/04** ( 2006.01 )  
**A61K 31/495** ( 2006.01 )  
**A61P 31/18** ( 2006.01 )  
 (87) WO2022/072520  
 (31) 63/085,704 (32) 30.09.20 (33) US  
 (43) 07.04.2022  
 (72) CHU, Hang; GUO, Hongyan; JIANG,  
 Lan; LI, Jiayao; LIN, David W.; PY-  
 UN, Hyung-Jung; WU, Qiaoyin; YANG,  
 Hong; ZAJDLIK, Adam D.; ZHANG,  
 Jennifer R.  
 (74) Davies Collison Cave Pty Ltd

(71) GLOBERIDE, INC.  
 (11) AU-A-2021368309  
 (21) 2021368309 (22) 14.09.2021  
 (54) FISHING CONDITION DETECTION  
 AND TRANSMISSION DEVICE  
 (51) Int. Cl.  
**A01K 87/00** ( 2006.01 )  
 (87) WO2022/091610  
 (31) 2020-179325 (32) 27.10.20 (33) JP  
 (43) 05.05.2022  
 (72) ODA Takuya; MIYA Yukihiisa  
 (74) K&L Gates

(71) GONGWIN BIOPHARM CO., LTD  
 (11) AU-A-2021349772  
 (21) 2021349772 (22) 28.07.2021  
 (54) METHOD FOR REDUCING FAT BY  
 ADMINISTERING BENZENESULFON-  
 AMIDE COMPOSITIONS  
 (51) Int. Cl.  
**A61K 31/18** ( 2006.01 )  
**A61K 31/337** ( 2006.01 )  
**A61K 31/397** ( 2006.01 )  
**A61K 31/40** ( 2006.01 )  
**A61K 31/445** ( 2006.01 )  
**A61K 31/495** ( 2006.01 )  
**A61P 3/04** ( 2006.01 )  
 (87) WO2022/066277  
 (31) 17/030,902 (32) 24.09.20 (33) US  
 (43) 31.03.2022  
 (72) WU, Shun-chi; LIN, Mao-Yuan; CHEN,  
 Di-Rong; YANG, Chuan-Ching;  
 ZHONG, Nan-Shan; TU, Chi-Chiang  
 (74) Cooper IP Pty Ltd

(71) GOOGLE LLC  
 (11) AU-A-2021342437  
 (21) 2021342437 (22) 16.09.2021  
 (54) QUANTUM COMPUTING SYSTEM  
 HAVING FLEX CIRCUIT BOARDS  
 FOR IMPROVED SIGNAL TRANSMIS-  
 SIONS AND METHOD OF OPERAT-  
 ING THE SAME  
 (51) Int. Cl.  
**H05K 1/02** ( 2006.01 )  
**H05K 1/14** ( 2006.01 )  
**H05K 3/36** ( 2006.01 )  
**H05K 1/03** ( 2006.01 )  
**H05K 1/11** ( 2006.01 )

**H05K 1/18** ( 2006.01 )  
**H05K 3/42** ( 2006.01 )  
 (87) WO2022/060954  
 (31) 63/079,256 (32) 16.09.20 (33) US  
 (43) 24.03.2022  
 (72) MARTINIS, John; BUCKLEY, Bob Ben-  
 jamin; HUANG, Xiaojun Trent  
 (74) Pizzeys Patent and Trade Mark Attor-  
 neys Pty Ltd

(71) GOOGLE LLC  
 (11) AU-A-2021342492  
 (21) 2021342492 (22) 16.09.2021  
 (54) SUPERCONDUCTING FLEX CIRCUIT  
 BOARDS HAVING METAL STRUC-  
 TURES FOR IMPROVED INTERFA-  
 CING CHARACTERISTICS  
 (51) Int. Cl.  
**H05K 1/02** ( 2006.01 )  
**H05K 1/03** ( 2006.01 )  
**H05K 1/11** ( 2006.01 )  
**H05K 3/42** ( 2006.01 )  
 (87) WO2022/060959  
 (31) 63/079,263 (32) 16.09.20 (33) US  
 (43) 24.03.2022  
 (72) MARTINIS, John; BUCKLEY, Bob Ben-  
 jamin; HUANG, Xiaojun Trent  
 (74) Pizzeys Patent and Trade Mark Attor-  
 neys Pty Ltd

(71) GOOGLE LLC  
 (11) AU-A-2021342493  
 (21) 2021342493 (22) 16.09.2021  
 (54) OVERLAP JOINT FLEX CIRCUIT  
 BOARD INTERCONNECTION  
 (51) Int. Cl.  
**H05K 1/02** ( 2006.01 )  
**H05K 1/11** ( 2006.01 )  
**H05K 1/14** ( 2006.01 )  
**H05K 3/36** ( 2006.01 )  
**H05K 1/03** ( 2006.01 )  
**H05K 3/42** ( 2006.01 )  
 (87) WO2022/060964  
 (31) 63/079,274 (32) 16.09.20 (33) US  
 (43) 24.03.2022  
 (72) MARTINIS, John; BUCKLEY, Bob Ben-  
 jamin; HUANG, Xiaojun Trent  
 (74) Pizzeys Patent and Trade Mark Attor-  
 neys Pty Ltd

(71) GOOGLE LLC  
 (11) AU-A-2021345477  
 (21) 2021345477 (22) 02.08.2021  
 (54) CAMERA DEVICE WITH AN AD-  
 JUSTABLE STAND  
 (51) Int. Cl.  
**F16M 13/02** ( 2006.01 )  
**F16M 11/14** ( 2006.01 )  
**H04N 23/51** ( 2023.01 )  
 (87) WO2022/060476  
 (31) 17/026,883 (32) 21.09.20 (33) US  
 (43) 24.03.2022  
 (72) AU, Cindy Ngoc-Tran  
 (74) Pizzeys Patent and Trade Mark Attor-  
 neys Pty Ltd

(71) GOOGLE LLC  
 (11) AU-A-2021344766  
 (21) 2021344766 (22) 14.09.2021  
 (54) CURTAIN/SHUTTER WHICH FLIPS  
 AND CHANGES TO SEVERAL OP-  
 TIONS  
 (51) Int. Cl.  
**E06B 9/42** ( 2006.01 )  
**E06B 9/322** ( 2006.01 )  
 (87) WO2022/059004

(71) GOOGLE LLC  
 (11) AU-A-2021351627  
 (21) 2021351627 (22) 02.08.2021  
 (54) IMAGE-CAPTURING DOORBELL  
 DEVICE  
 (51) Int. Cl.  
**G08B 13/196** ( 2006.01 )  
**G08B 3/10** ( 2006.01 )  
 (87) WO2022/072057  
 (31) 17/061,872 (32) 02.10.20 (33) US  
 17/122,449 15.12.20 US  
 (43) 07.04.2022  
 (72) GRILLO, Jacobi, Colton  
 (74) Pizzeys Patent and Trade Mark Attor-  
 neys Pty Ltd

(71) GOTTHELF, P.; WAMSLEY, B.L.  
 (11) AU-A-2021328515  
 (21) 2021328515 (22) 16.08.2021  
 (54) SILVER COMPOSITIONS AND METH-  
 ODS FOR MAKING BIOCIDAL CUR-  
 RENCY  
 (51) Int. Cl.  
**C09D 5/14** ( 2006.01 )  
**A01N 25/00** ( 2006.01 )  
**A01N 59/00** ( 2006.01 )  
**C08K 3/08** ( 2006.01 )  
**C09D 11/02** ( 2014.01 )  
**C09D 11/108** ( 2014.01 )  
 (87) WO2022/040091  
 (31) 63/066,421 (32) 17.08.20 (33) US  
 (43) 24.02.2022  
 (72) GOTTHELF, Philip; WAMSLEY, Brian,  
 L.  
 (74) LAMINAR IP PTY LTD

(71) GREEN SOLUTIONS GROUP, LLC  
 (11) AU-A-2021376195  
 (21) 2021376195 (22) 04.11.2021  
 (54) COMPOSITIONS AND METHODS  
 FOR PRESERVATION AND FIXATION  
 (51) Int. Cl.  
**A01N 1/00** ( 2006.01 )  
**A01N 1/02** ( 2006.01 )  
**A01N 3/00** ( 2006.01 )  
**A01N 3/02** ( 2006.01 )  
**A01N 29/02** ( 2006.01 )  
**A01N 31/02** ( 2006.01 )  
**A01N 31/06** ( 2006.01 )  
**A01N 33/04** ( 2006.01 )  
**A01N 33/18** ( 2006.01 )  
**A01N 43/50** ( 2006.01 )  
 (87) WO2022/098857  
 (31) 63/110,607 (32) 06.11.20 (33) US  
 (43) 12.05.2022  
 (72) KENNEDY, Larry Dean; FIELDS, Danny  
 R.  
 (74) FPA Patent Attorneys Pty Ltd

(71) GREEN SOLUTIONS GROUP, LLC  
 (11) AU-A-2021376195  
 (21) 2021376195 (22) 04.11.2021  
 (54) COMPOSITIONS AND METHODS  
 FOR PRESERVATION AND FIXATION  
 (51) Int. Cl.  
**A01N 1/00** ( 2006.01 )  
**A01N 1/02** ( 2006.01 )  
**A01N 3/00** ( 2006.01 )  
**A01N 3/02** ( 2006.01 )  
**A01N 29/02** ( 2006.01 )  
**A01N 31/02** ( 2006.01 )  
**A01N 31/06** ( 2006.01 )  
**A01N 33/04** ( 2006.01 )  
**A01N 33/18** ( 2006.01 )  
**A01N 43/50** ( 2006.01 )  
 (87) WO2022/098857  
 (31) 63/110,607 (32) 06.11.20 (33) US  
 (43) 12.05.2022  
 (72) KENNEDY, Larry Dean; FIELDS, Danny  
 R.  
 (74) FPA Patent Attorneys Pty Ltd

(71) GROSBERG, N.  
 (11) AU-A-2021344766  
 (21) 2021344766 (22) 14.09.2021  
 (54) CURTAIN/SHUTTER WHICH FLIPS  
 AND CHANGES TO SEVERAL OP-  
 TIONS  
 (51) Int. Cl.  
**E06B 9/42** ( 2006.01 )  
**E06B 9/322** ( 2006.01 )  
 (87) WO2022/059004

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

(31) 277425 (32) 16.09.20 (33) IL  
(43) 24.03.2022  
(72) GROSBURG, Nachum  
(74) MEYER WEST IP

(71) GROUNDPROBE PTY LTD  
(11) AU-A-2021329991  
(21) 2021329991 (22) 25.08.2021  
(54) SLOPE FAILURE MONITORING SYSTEM

(51) Int. Cl.  
G01C 11/02 ( 2006.01 )  
G01S 13/88 ( 2006.01 )  
G01S 13/89 ( 2006.01 )  
G01S 17/42 ( 2006.01 )  
G01S 17/50 ( 2006.01 )  
G01S 17/89 ( 2020.01 )  
G06T 7/254 ( 2017.01 )  
G06T 7/80 ( 2017.01 )  
G08B 21/10 ( 2006.01 )

(87) WO2022/040737  
(31) 2020903032 (32) 25.08.20 (33) AU  
(43) 03.03.2022  
(72) CAMPBELL, Lachlan  
(74) Davies Collison Cave Pty Ltd

(71) GVE LTD.  
(11) AU-A-2020480104  
(21) 2020480104 (22) 01.12.2020  
(54) CURRENCY MANAGEMENT SYSTEM AND ELECTRONIC SIGNATURE DEVICE

(51) Int. Cl.  
G06Q 20/40 ( 2012.01 )  
G06Q 20/06 ( 2012.01 )

(87) WO2022/118358  
(43) 09.06.2022  
(72) TAKAMATSU Keita; FUSA Koji; KUSAKABE Yu  
(74) FB Rice Pty Ltd

(71) HAI ROBOTICS CO., LTD.  
(11) AU-A-2021355743  
(21) 2021355743 (22) 08.10.2021  
(54) WAREHOUSING SYSTEM, CARGO TRANSPORT METHOD, CONTROL TERMINAL, ROBOT, AND STORAGE MEDIUM

(51) Int. Cl.  
B65G 1/137 ( 2006.01 )

(87) WO2022/073471  
(31) 202011078312.6 (32) 10.10.20 (33) CN  
(43) 14.04.2022  
(72) ZHOU, Hongxia; LI, Xiaolong; AI, Xin  
(74) Davies Collison Cave Pty Ltd

(71) HAKALEHTO, E.E.  
(11) AU-A-2021327739  
(21) 2021327739 (22) 17.08.2021  
(54) MICROBIOLOGICAL METHOD AND EQUIPMENT FOR THE FRACTIONATING AND UTILIZATION OF SLAUGHTER HOUSE AND SAUCE INDUSTRY WASTES AND SIDE STREAMS

(51) Int. Cl.  
B09B 3/60 ( 2022.01 )

C05F 1/00 ( 2006.01 )  
C05F 17/00 ( 2020.01 )  
C05F 17/90 ( 2020.01 )  
C12N 1/20 ( 2006.01 )  
C12R 1/44 ( 2006.01 )

(87) WO2022/038305  
(31) 20200055 (32) 17.08.20 (33) FI  
(43) 24.02.2022  
(72) HAKALEHTO, Eino Elias  
(74) Alder IP Pty Ltd

(71) HAKALEHTO, E.E.  
(11) AU-A-2021329048  
(21) 2021329048 (22) 17.08.2021  
(54) METHOD AND APPARATUS FOR THE UTILIZATION OF ZERO FIBER AND OTHER SIDE STREAMS

(51) Int. Cl.  
C12P 7/18 ( 2006.01 )  
C12M 1/00 ( 2006.01 )  
C12P 7/40 ( 2006.01 )  
C12P 7/56 ( 2006.01 )  
C12P 39/00 ( 2006.01 )

(87) WO2022/038306  
(31) 20200056 (32) 17.08.20 (33) FI  
(43) 24.02.2022  
(72) HAKALEHTO, Eino Elias  
(74) Alder IP Pty Ltd

(71) HALLIBURTON ENERGY SERVICES, INC.  
(11) AU-A-2020481635  
(21) 2020481635 (22) 17.12.2020  
(54) DOWNHOLE DEBRIS REMOVAL APPARATUS INCLUDING A MODULAR KNOCKOUT CHAMBER

(51) Int. Cl.  
E21B 31/00 ( 2006.01 )  
E21B 17/042 ( 2006.01 )  
E21B 17/046 ( 2006.01 )  
E21B 37/00 ( 2006.01 )

(87) WO2022/132147  
(31) 17/124,617 (32) 17.12.20 (33) US  
(43) 23.06.2022  
(72) ROY, Todd J.; MAHER, Peter Reid  
(74) PHILLIPS ORMONDE FITZPATRICK

(71) HALLIBURTON ENERGY SERVICES, INC.  
(11) AU-A-2020481721  
(21) 2020481721 (22) 18.12.2020  
(54) REAL-TIME PARAMETER ADJUSTMENT IN WELLBORE DRILLING OPERATIONS

(51) Int. Cl.  
E21B 44/02 ( 2006.01 )  
E21B 47/06 ( 2012.01 )  
E21B 47/26 ( 2012.01 )

(87) WO2022/132173  
(31) 17/123,837 (32) 16.12.20 (33) US  
(43) 23.06.2022  
(72) DE OLIVEIRA, Claudia Lucia Bonin; JAMISON, Dale E.  
(74) PHILLIPS ORMONDE FITZPATRICK

(71) HANGZHOU GENEWAY BIOTECHNOLOGY CO., LTD.

(11) AU-A-2021327911  
(21) 2021327911 (22) 28.09.2021  
(54) NUCLEIC ACID CONSTRUCT FOR INCREASING ADENO-ASSOCIATED VIRUS YIELD, AND CONSTRUCTION METHOD THEREFOR

(51) Int. Cl.  
C12N 15/866 ( 2006.01 )  
C12N 7/00 ( 2006.01 )

(87) WO2022/037710  
(31) 202010826899.8 (32) 17.08.20 (33) CN  
202011004197.8 22.09.20 CN  
(43) 24.02.2022  
(72) TAO, Yu; WU, Haoquan; SU, Lingling; DANG, Ying  
(74) FB Rice Pty Ltd

(71) HANMI FINE CHEMICAL CO., LTD.; HANMI PHARM. CO., LTD.

(11) AU-A-2021345312  
(21) 2021345312 (22) 16.09.2021  
(54) POLYETHYLENE GLYCOL DERIVATIVE, COMPOSITION COMPRISING SAME, AND METHOD FOR PREPARING BIOACTIVE POLYPEPTIDE CONJUGATE BY USING SAME

(51) Int. Cl.  
C08G 65/331 ( 2006.01 )  
A61K 38/16 ( 2006.01 )  
A61K 47/60 ( 2017.01 )

(87) WO2022/060131  
(31) 10-2020-0119259 (32) 16.09.20 (33) KR  
(43) 24.03.2022  
(72) MOON, Ji Hye; JANG, Yeon Jeong; SHIM, Hyun Jung; KIM, Eun Hye; EOM, Tae In; LEE, Su Mi; KIM, Yu Rim; JUNG, Yong Gyu; KIM, Ji Hye; AHN, Soon Ah; YOO, Wok Chul; CHO, Young Bum; LEE, Kyoung Min; LEE, Jae Heon  
(74) Griffith Hack

(71) HARTFORD STEAM BOILER INSPECTION AND INSURANCE COMPANY

(11) AU-A-2021343372  
(21) 2021343372 (22) 18.03.2021  
(54) COMPUTER-BASED SYSTEMS, COMPUTING COMPONENTS AND COMPUTING OBJECTS CONFIGURED TO IMPLEMENT DYNAMIC OUTLIER BIASED REDUCTION IN MACHINE LEARNING MODELS

(51) Int. Cl.  
G06N 20/00 ( 2019.01 )

(87) WO2022/060411  
(31) 17/025,889 (32) 18.09.20 (33) US  
(43) 24.03.2022  
(72) JONES, Richard B.  
(74) Spruson & Ferguson

(71) HASKONINGDHV NEDERLAND B.V.

(11) AU-A-2021349968  
(21) 2021349968 (22) 30.04.2021  
(54) METHOD AND DEVICE TO OPTIMIZE PLUG FLOW IN AN AEROBIC BIOLOGICAL WASTEWATER TREATMENT REACTOR

(51) Int. Cl.

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

- C02F 1/00** ( 2023.01 )  
**C02F 3/00** ( 2023.01 )  
**C02F 3/12** ( 2023.01 )  
**(87)** WO2022/063444  
**(31)** 202022097281.0. **(32)** 23.09.20 **(33)** CN  
**(43)** 31.03.2022  
**(72)** GIESEN, Andreas  
**(74)** Griffith Hack
- 
- (71)** HAYS, D.; HARRIS, J.  
**(11)** AU-A-2021362645  
**(21)** 2021362645 **(22)** 29.09.2021  
**(54)** APPARATUS FOR MAKING STYLIZED ICE CUBES  
**(51)** Int. Cl.  
**F25C 1/24** ( 2018.01 )  
**F25C 1/04** ( 2018.01 )  
**(87)** WO2022/081339  
**(31)** 63/091,438 **(32)** 14.10.20 **(33)** US  
**(43)** 21.04.2022  
**(72)** HAYS, David; HARRIS, Joshua  
**(74)** Spruson & Ferguson
- 
- (71)** HEFEI HAIER REFRIGERATOR CO., LTD.; HAIER SMART HOME CO., LTD.  
**(11)** AU-A-2021365998  
**(21)** 2021365998 **(22)** 17.09.2021  
**(54)** REFRIGERATOR  
**(51)** Int. Cl.  
**F25D 23/02** ( 2006.01 )  
**(87)** WO2022/083373  
**(31)** 202011116971.4 **(32)** 19.10.20 **(33)** CN  
**(43)** 28.04.2022  
**(72)** LYU, Peng; ZHANG, Hao; WANG, Wenchun  
**(74)** Spruson & Ferguson
- 
- (71)** HEINEKEN SUPPLY CHAIN B.V.  
**(11)** AU-A-2021370163  
**(21)** 2021370163 **(22)** 26.10.2021  
**(54)** BEVERAGE DISPENSING ASSEMBLY  
**(51)** Int. Cl.  
**B67D 1/08** ( 2006.01 )  
**(87)** WO2022/093018  
**(31)** 20203953.3 **(32)** 26.10.20 **(33)** EP  
**(43)** 05.05.2022  
**(72)** WIGMAN, Peter Henri Samuel; KOUTERS, Lucas Johannes Cornelis  
**(74)** Spruson & Ferguson
- 
- (71)** HILTI AKTIENGESELLSCHAFT  
**(11)** AU-A-2021380785  
**(21)** 2021380785 **(22)** 28.10.2021  
**(54)** DUAL CURE SYSTEM FOR CHEMICALLY FASTENING ANCHORING MEANS IN A DRILL HOLE  
**(51)** Int. Cl.  
**C08G 61/08** ( 2006.01 )  
**C07C 1/20** ( 2006.01 )  
**C08F 220/20** ( 2006.01 )  
**C08K 3/00** ( 2018.01 )  
**E21D 20/00** ( 2006.01 )  
**F16B 13/00** ( 2006.01 )  
**C07C 67/14** ( 2006.01 )  
**C07C 67/343** ( 2006.01 )  
**C08K 3/36** ( 2006.01 )  
**F16B 13/14** ( 2006.01 )
- 
- (87)** WO2022/101025  
**(31)** 20206588.4 **(32)** 10.11.20 **(33)** EP  
**(43)** 19.05.2022  
**(72)** PFEIL, Armin; SLUGOVIC, Christian; WAPPL, Christina  
**(74)** Spruson & Ferguson
- 
- (71)** HIROSHIMA UNIVERSITY; SUMITOMO CHEMICAL COMPANY, LIMITED  
**(11)** AU-A-2021338062  
**(21)** 2021338062 **(22)** 03.09.2021  
**(54)** METHOD FOR EDITING TARGET DNA, METHOD FOR PRODUCING CELL HAVING EDITED TARGET DNA, AND DNA EDITION SYSTEM FOR USE IN SAID METHODS  
**(51)** Int. Cl.  
**C12N 15/09** ( 2006.01 )  
**(87)** WO2022/050377  
**(31)** 2020-148944 **(32)** 04.09.20 **(33)** JP  
**(43)** 10.03.2022  
**(72)** SAKUMA Tetsushi; YAMAMOTO Takashi; NISHIBORI Nahoko; YOSHIMA Tadahiko; HIRIGOME Kazuhiko  
**(74)** Davies Collison Cave Pty Ltd
- 
- (71)** HOLE OPENER CORPORATION INTERNATIONAL  
**(11)** AU-A-2021340698  
**(21)** 2021340698 **(22)** 09.09.2021  
**(54)** FINGERTIP PROTECTIVE COVER  
**(51)** Int. Cl.  
**G06F 3/039** ( 2013.01 )  
**G06F 3/041** ( 2006.01 )  
**G06F 3/044** ( 2006.01 )  
**(87)** WO2022/056109  
**(31)** 63/075,895 **(32)** 09.09.20 **(33)** US  
**(43)** 17.03.2022  
**(72)** ALLEMAN, Paden, Joseph; MOORE, Jonathan, Adam; MOORE, Richard, Allan  
**(74)** Spruson & Ferguson
- 
- (71)** HOYA TECHNOSURGICAL CORPORATION  
**(11)** AU-A-2022322257  
**(21)** 2022322257 **(22)** 12.01.2022  
**(54)** BINOCULAR MAGNIFIER AND BINOCULAR MAGNIFIER SET  
**(51)** Int. Cl.  
**G02B 25/00** ( 2006.01 )  
**G02B 23/18** ( 2006.01 )  
**(87)** WO2023/013098  
**(31)** 2021-126715 **(32)** 02.08.21 **(33)** JP  
**(43)** 09.02.2023  
**(72)** KOGUCHI Mutsumi; ISHIKAWA Tsuyoshi  
**(74)** FB Rice Pty Ltd
- 
- (71)** HUAWEI TECHNOLOGIES CO., LTD.  
**(11)** AU-A-2020470364  
**(21)** 2020470364 **(22)** 30.09.2020  
**(54)** METHOD AND APPARATUS FOR ESTABLISHING SECURE COMMUNICATION  
**(51)** Int. Cl.
- 
- H04L 9/32** ( 2006.01 )  
**H04W 12/06** ( 2021.01 )  
**(87)** WO2022/067831  
**(43)** 07.04.2022  
**(72)** WU, Yizhuang; LI, He; LEI, Ao  
**(74)** PHILLIPS ORMONDE FITZPATRICK
- 
- (71)** HUAWEI TECHNOLOGIES CO., LTD.  
**(11)** AU-A-2021338733  
**(21)** 2021338733 **(22)** 10.08.2021  
**(54)** FOLDING APPARATUS AND ELECTRONIC DEVICE  
**(51)** Int. Cl.  
**G06F 1/16** ( 2006.01 )  
**(87)** WO2022/052721  
**(31)** 202010959362.9 **(32)** 14.09.20 **(33)** CN  
 202011495418.6 17.12.20 CN  
**(43)** 17.03.2022  
**(72)** XU, Zhengyi; MA, Chunjun; NIU, Linhui; LIU, Ting; LI, Yunyong; WANG, Gangchao; GUAN, Chenghao  
**(74)** PHILLIPS ORMONDE FITZPATRICK
- 
- (71)** HUAWEI TECHNOLOGIES CO., LTD.  
**(11)** AU-A-2022247599  
**(21)** 2022247599 **(22)** 25.02.2022  
**(54)** SPATIAL REUSE METHOD AND APPARATUS, DEVICE, AND MEDIUM  
**(51)** Int. Cl.  
**H04W 52/24** ( 2009.01 )  
**(87)** WO2022/206239  
**(31)** 202110358332.7 **(32)** 01.04.21 **(33)** CN  
**(43)** 06.10.2022  
**(72)** YU, Jian; LI, Yunbo; GAN, Ming  
**(74)** PHILLIPS ORMONDE FITZPATRICK
- 
- (71)** HUAWEI TECHNOLOGIES CO., LTD.  
**(11)** AU-A-2022279190  
**(21)** 2022279190 **(22)** 20.05.2022  
**(54)** DATA TRANSMISSION METHOD, COMMUNICATION APPARATUS, COMPUTER-READABLE STORAGE MEDIUM AND CHIP  
**(51)** Int. Cl.  
**H04L 5/00** ( 2006.01 )  
**(87)** WO2022/242749  
**(31)** 202110552404.1 **(32)** 20.05.21 **(33)** CN  
 202110559186.4 21.05.21 CN  
 202110621403.8 03.06.21 CN  
**(43)** 24.11.2022  
**(72)** GAN, Ming; HUANG, Guogang; LU, Yuxin; LI, Yiqing; GUO, Yuchen; LIU, Chenchen  
**(74)** PHILLIPS ORMONDE FITZPATRICK
- 
- (71)** HUECK FOLIEN GESELLSCHAFT M.B.H.  
**(11)** AU-A-2021352100  
**(21)** 2021352100 **(22)** 28.09.2021  
**(54)** SUBSTRATE FOR PRODUCING VALUE PAPERS OR SECURITY PAPERS  
**(51)** Int. Cl.  
**B42D 25/333** ( 2014.01 )  
**B42D 25/351** ( 2014.01 )  
**B42D 25/355** ( 2014.01 )  
**B42D 25/36** ( 2014.01 )

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

- B42D 25/373** ( 2014.01 )  
**B42D 25/378** ( 2014.01 )  
**(87)** WO2022/069486  
**(31)** 20198899.5 **(32)** 29.09.20 **(33)** EP  
**(43)** 07.04.2022  
**(72)** FUCHSBAUER, Anita; EGGINGER, Martin  
**(74)** FB Rice Pty Ltd
- 
- (71)** HUECK FOLIEN GESELLSCHAFT M.B.H.  
**(11)** AU-A-2021354757  
**(21)** 2021354757 **(22)** 28.09.2021  
**(54)** POLYMER SUBSTRATE FOR PRODUCING POLYMER VALUE PAPERS OR POLYMER SECURITY PAPERS  
**(51)** Int. Cl.  
**B42D 25/36** ( 2014.01 )  
**B42D 25/378** ( 2014.01 )  
**(87)** WO2022/069484  
**(31)** 20198892.0 **(32)** 29.09.20 **(33)** EP  
**(43)** 07.04.2022  
**(72)** EGGINGER, Martin; FUCHSBAUER, Anita  
**(74)** FB Rice Pty Ltd
- 
- (71)** HUSQVARNA AB  
**(11)** AU-A-2021401768  
**(21)** 2021401768 **(22)** 02.12.2021  
**(54)** SHOCK AND VIBRATION RESILIENT BATTERIES FOR POWER TOOLS  
**(51)** Int. Cl.  
**H01M 50/213** ( 2021.01 )  
**B25F 5/00** ( 2006.01 )  
**H01M 50/242** ( 2021.01 )  
**H01M 50/247** ( 2021.01 )  
**H01M 50/258** ( 2021.01 )  
**H01M 50/267** ( 2021.01 )  
**H01M 50/271** ( 2021.01 )  
**H01M 50/291** ( 2021.01 )  
**H01M 50/293** ( 2021.01 )  
**(87)** WO2022/131993  
**(31)** 2051463-4 **(32)** 15.12.20 **(33)** SE  
**(43)** 23.06.2022  
**(72)** DOLK, Philip  
**(74)** Spruson & Ferguson
- 
- (71)** HUTCHISON MEDIPHARMA LIMITED  
**(11)** AU-A-2021342529  
**(21)** 2021342529 **(22)** 17.09.2021  
**(54)** HETEROAROMATIC COMPOUNDS AND USES THEREOF  
**(51)** Int. Cl.  
**C07D 401/12** ( 2006.01 )  
**A61K 31/444** ( 2006.01 )  
**A61K 31/47** ( 2006.01 )  
**A61K 31/506** ( 2006.01 )  
**A61K 31/519** ( 2006.01 )  
**A61P 3/00** ( 2006.01 )  
**A61P 19/02** ( 2006.01 )  
**A61P 25/00** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**A61P 37/00** ( 2006.01 )  
**C07D 401/06** ( 2006.01 )  
**C07D 403/06** ( 2006.01 )  
**C07D 403/12** ( 2006.01 )  
**C07D 471/04** ( 2006.01 )  
**C07D 487/04** ( 2006.01 )  
**(87)** WO2022/057895
- 
- (31)** 202010998486.8 **(32)** 21.09.20 **(33)** CN  
 202111071969.4 14.09.21 CN  
**(43)** 24.03.2022  
**(72)** SU, Wei-Guo; ZHANG, Weihan; YANG, Haibin  
**(74)** WRAYS PTY LTD
- 
- (71)** HUTCHISON MEDIPHARMA LIMITED  
**(11)** AU-A-2021343591  
**(21)** 2021343591 **(22)** 17.09.2021  
**(54)** HETEROARYL HETEROCYCLIC COMPOUNDS AND USES THEREOF  
**(51)** Int. Cl.  
**C07D 471/04** ( 2006.01 )  
**A61K 31/381** ( 2006.01 )  
**A61K 31/4985** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**A61P 37/00** ( 2006.01 )  
**C07D 471/14** ( 2006.01 )  
**C07D 487/04** ( 2006.01 )  
**(87)** WO2022/057894  
**(31)** 202010993583.8 **(32)** 21.09.20 **(33)** CN  
 202110175357.3 07.02.21 CN  
 202111077860.1 15.09.21 CN  
**(43)** 24.03.2022  
**(72)** DAI, Guangxiu; XIAO, Kun  
**(74)** WRAYS PTY LTD
- 
- (71)** HUYABIO INTERNATIONAL, LLC  
**(11)** AU-A-2021333655  
**(21)** 2021333655 **(22)** 24.08.2021  
**(54)** METHODS AND COMPOSITIONS FOR GENETIC MODULATION OF TUMOR MICROENVIRONMENTS  
**(51)** Int. Cl.  
**A61K 31/4709** ( 2006.01 )  
**A61K 31/522** ( 2006.01 )  
**A61K 35/17** ( 2015.01 )  
**(87)** WO2022/046792  
**(31)** 63/070,173 **(32)** 25.08.20 **(33)** US  
**(43)** 03.03.2022  
**(72)** BISSONNETTE, Reid P.; CESARIO, Rosemary M.; GOODENOW, Robert; SHOJAEI, Farbod; GILLINGS, Mireille  
**(74)** FB Rice Pty Ltd
- 
- (71)** HYNDS LIMITED  
**(11)** AU-A-2021348426  
**(21)** 2021348426 **(22)** 24.09.2021  
**(54)** A REMOTE SENSING DEVICE  
**(51)** Int. Cl.  
**E02D 29/14** ( 2006.01 )  
**(87)** WO2022/064432  
**(31)** 768306 **(32)** 24.09.20 **(33)** NZ  
**(43)** 31.03.2022  
**(72)** GLASSON, Neil David; SHANNON, Craig David; MEERABUX, John Henry; HYNDS, Aaron  
**(74)** AJ PARK
- 
- (71)** HYSATA PTY LTD  
**(11)** AU-A-2021342847  
**(21)** 2021342847 **(22)** 20.09.2021  
**(54)** CAPILLARY-BASED ELECTRO-SYNTHETIC OR ELECTRO-ENERGY CELLS  
**(51)** Int. Cl.
- 
- H01M 8/023** ( 2016.01 )  
**C25B 9/19** ( 2021.01 )  
**H01M 4/86** ( 2006.01 )  
**(87)** WO2022/056603  
**(31)** 2020903369 **(32)** 21.09.20 **(33)** AU  
 2021901285 30.04.21 AU  
**(43)** 24.03.2022  
**(72)** SWIEGERS, Gerhard Frederick; HODGES, Aaron; WAGNER, Klaudia Katarzyna; HOANG, Anh Linh; LEE, Chong-Yong  
**(74)** Davies Collison Cave Pty Ltd
- 
- (71)** HYSATA PTY LTD  
**(11)** AU-A-2021343569  
**(21)** 2021343569 **(22)** 20.09.2021  
**(54)** METHOD OF OPERATING CAPILLARY-BASED ELECTRO-SYNTHETIC OR ELECTRO-ENERGY CELLS  
**(51)** Int. Cl.  
**H01M 8/023** ( 2016.01 )  
**C25B 1/04** ( 2021.01 )  
**C25B 9/19** ( 2021.01 )  
**H01M 4/86** ( 2006.01 )  
**(87)** WO2022/056606  
**(31)** 2020903369 **(32)** 21.09.20 **(33)** AU  
 2021901285 30.04.21 AU  
**(43)** 24.03.2022  
**(72)** SWIEGERS, Gerhard Frederick; HODGES, Aaron; WAGNER, Klaudia Katarzyna; HOANG, Anh Linh; LEE, Chong-Yong  
**(74)** Davies Collison Cave Pty Ltd
- 
- (71)** HYSATA PTY LTD  
**(11)** AU-A-2021344447  
**(21)** 2021344447 **(22)** 20.09.2021  
**(54)** CAPILLARY-BASED ELECTRO-SYNTHETIC WATER ELECTROLYSIS CELLS  
**(51)** Int. Cl.  
**C25B 1/04** ( 2021.01 )  
**(87)** WO2022/056604  
**(31)** 2020903369 **(32)** 21.09.20 **(33)** AU  
 2021901285 30.04.21 AU  
**(43)** 24.03.2022  
**(72)** SWIEGERS, Gerhard Frederick; HODGES, Aaron; WAGNER, Klaudia Katarzyna; HOANG, Anh Linh; LEE, Chong-Yong  
**(74)** Davies Collison Cave Pty Ltd
- 
- (71)** HYSATA PTY LTD  
**(11)** AU-A-2021345500  
**(21)** 2021345500 **(22)** 20.09.2021  
**(54)** CAPILLARY-BASED ELECTRO-SYNTHETIC OR ELECTRO-ENERGY GAS-LIQUID CELLS  
**(51)** Int. Cl.  
**H01M 8/023** ( 2016.01 )  
**C25B 9/19** ( 2021.01 )  
**H01M 4/86** ( 2006.01 )  
**(87)** WO2022/056605  
**(31)** 2020903369 **(32)** 21.09.20 **(33)** AU  
 2021901285 30.04.21 AU  
**(43)** 24.03.2022  
**(72)** SWIEGERS, Gerhard Frederick; HODGES, Aaron; WAGNER, Klaudia

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

- Katarzyna; HOANG, Anh Linh; LEE, Chong-Yong  
**(74)** Davies Collison Cave Pty Ltd
- 
- (71)** I2O THERAPEUTICS, INC.  
**(11)** AU-A-2021336289  
**(21)** 2021336289 **(22)** 31.08.2021  
**(54)** IONIC LIQUID FORMULATIONS FOR TREATING DIABETES  
**(51)** Int. Cl.  
**A61K 31/14** ( 2006.01 )  
**A61K 31/192** ( 2006.01 )  
**A61K 31/194** ( 2006.01 )  
**A61K 31/201** ( 2006.01 )  
**A61P 1/16** ( 2006.01 )  
**A61P 3/04** ( 2006.01 )  
**(87)** WO2022/051304  
**(31)** 63/073,172 **(32)** 01.09.20 **(33)** US  
63/154,461 26.02.21 US  
63/160,575 12.03.21 US  
**(43)** 10.03.2022  
**(72)** BROWN, Tyler; IBSEN, Kelly  
**(74)** FB Rice Pty Ltd
- 
- (71)** ICEYE OY  
**(11)** AU-A-2021360214  
**(21)** 2021360214 **(22)** 14.10.2021  
**(54)** SPACECRAFT PROPULSION SYSTEM AND METHOD OF OPERATION  
**(51)** Int. Cl.  
**F03H 1/00** ( 2006.01 )  
**(87)** WO2022/079168  
**(31)** 2016363.0 **(32)** 15.10.20 **(33)** GB  
**(43)** 21.04.2022  
**(72)** KORCZYC, Jakub; DE HOLANDA, Jonathan; MODRZEWSKI, Rafal  
**(74)** Dentons Patent Attorneys Australasia Limited
- 
- (71)** ILDONG PHARMACEUTICAL CO., LTD.  
**(11)** AU-A-2021357519  
**(21)** 2021357519 **(22)** 04.10.2021  
**(54)** AUTOTAXIN INHIBITOR COMPOUNDS  
**(51)** Int. Cl.  
**C07D 471/04** ( 2006.01 )  
**A61K 31/4545** ( 2006.01 )  
**A61K 31/496** ( 2006.01 )  
**A61K 31/506** ( 2006.01 )  
**A61K 31/5377** ( 2006.01 )  
**A61P 1/16** ( 2006.01 )  
**A61P 29/00** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**A61P 37/00** ( 2006.01 )  
**C07F 5/02** ( 2006.01 )  
**(87)** WO2022/074459  
**(31)** 63/088,219 **(32)** 06.10.20 **(33)** US  
**(43)** 14.04.2022  
**(72)** CHOI, Sung-Ku; LEE, Yoon-Suk; KWON, Sung-Wook; KIM, Kyung-Sun; KIM, Jeong-Geun; KIM, Jeong-Ah; MOON, An-Na; PARK, Sun-Young; BAN, Jun-Su; SONG, Dong-Keun; JANG, Kyu-Sic; JUNG, Ju-Young; LEE, Soo-Jin  
**(74)** Spruson & Ferguson
- 
- (71)** IMAGO BIOSCIENCES, INC.  
**(11)** AU-A-2021351536  
**(21)** 2021351536 **(22)** 01.10.2021  
**(54)** PHARMACEUTICAL FORMULATIONS FOR TREATING DISEASES MEDIATED BY KDM1A  
**(51)** Int. Cl.  
**A61K 31/397** ( 2006.01 )  
**A61K 31/41** ( 2006.01 )  
**A61K 31/4162** ( 2006.01 )  
**(87)** WO2022/072811  
**(31)** 63/086,353 **(32)** 01.10.20 **(33)** US  
**(43)** 07.04.2022  
**(72)** TAPPER, Amy; CELATKA, Cassandra; SOULLIAC, Patricia; VED, Parag; VORA, Namrata  
**(74)** AJ PARK
- 
- (71)** IMMATICS BIOTECHNOLOGIES GMBH  
**(11)** AU-A-2021352111  
**(21)** 2021352111 **(22)** 29.09.2021  
**(54)** AMIDATED PEPTIDES AND THEIR DEAMIDATED COUNTERPARTS DISPLAYED BY NON-HLA-A\*02 FOR USE IN IMMUNOTHERAPY AGAINST DIFFERENT TYPES OF CANCERS  
**(51)** Int. Cl.  
**A61K 39/00** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07K 7/02** ( 2006.01 )  
**C07K 7/06** ( 2006.01 )  
**C07K 14/725** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )  
**C12N 5/0783** ( 2010.01 )  
**(87)** WO2022/069579  
**(31)** 10 2020 125 465.2 **(32)** 29.09.20 **(33)** DE  
63/084,919 29.09.20 US  
63/223,291 19.07.21 US  
**(43)** 07.04.2022  
**(72)** HUKELMANN, Jens; SCHUSTER, Heiko; WULLKOPF, Lena; SCHRÄDER, Christoph; FRITSCHE, Jens; KOWALEWSKI, Daniel; RÖMER, Michael; SCHOOR, Oliver  
**(74)** WRAYS PTY LTD
- 
- (71)** IMMATICS BIOTECHNOLOGIES GMBH  
**(11)** AU-A-2021353977  
**(21)** 2021353977 **(22)** 29.09.2021  
**(54)** AMIDATED PEPTIDES AND THEIR DEAMIDATED COUNTERPARTS DISPLAYED BY HLA-A\*02 FOR USE IN IMMUNOTHERAPY AGAINST DIFFERENT TYPES OF CANCERS  
**(51)** Int. Cl.  
**A61K 39/00** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07K 7/02** ( 2006.01 )  
**C07K 7/06** ( 2006.01 )  
**C07K 14/725** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )  
**C12N 5/0783** ( 2010.01 )  
**(87)** WO2022/069557  
**(31)** 10 2020 125 457.1 **(32)** 29.09.20 **(33)** DE  
63/084,963 29.09.20 US  
**(43)** 07.04.2022  
**(72)** HUKELMANN, Jens; SCHUSTER, Heiko; HANNEN, Ricarda;
- 
- SCHRÄDER, Christoph; FRITSCHE, Jens; HOFFGAARD, Franziska; KOWALEWSKI, Daniel; SCHOOR, Oliver  
**(74)** WRAYS PTY LTD
- 
- (71)** INEOS AMERICAS, LLC  
**(11)** AU-A-2021347133  
**(21)** 2021347133 **(22)** 20.09.2021  
**(54)** SCRUBBING FLUID AND METHODS FOR USING SAME  
**(51)** Int. Cl.  
**B01D 53/14** ( 2006.01 )  
**C10K 1/12** ( 2006.01 )  
**C10K 1/14** ( 2006.01 )  
**(87)** WO2022/066577  
**(31)** 17/033,044 **(32)** 25.09.20 **(33)** US  
**(43)** 31.03.2022  
**(72)** TELETZKE, Eric; DOS SANTOS BATES, Flavia; ROBERTS, Brett; STEWART, Erik; TURK, Kathleen  
**(74)** Spruson & Ferguson
- 
- (71)** INOZYME PHARMA, INC.; YALE UNIVERSITY  
**(11)** AU-A-2021356692  
**(21)** 2021356692 **(22)** 08.10.2021  
**(54)** LIVER SPECIFIC PRODUCTION OF ENPP1 OR ENPP3  
**(51)** Int. Cl.  
**C12N 15/86** ( 2006.01 )  
**A61K 48/00** ( 2006.01 )  
**C12N 9/14** ( 2006.01 )  
**C12Q 1/6883** ( 2018.01 )  
**(87)** WO2022/076848  
**(31)** 63/248,339 **(32)** 24.09.21 **(33)** US  
63/165,650 24.03.21 US  
63/089,515 08.10.20 US  
**(43)** 14.04.2022  
**(72)** JUNGLES, Steven; BRADDOCK, Demetrios  
**(74)** Spruson & Ferguson
- 
- (71)** INSTITUTO FINLAY DE VACUNAS; CENTRO DE INMUNOLOGÍA MOLECULAR  
**(11)** AU-A-2021326938  
**(21)** 2021326938 **(22)** 05.08.2021  
**(54)** COMPOSITIONS OF SARS-COV-2 VACCINES BASED ON THE RECEPTOR BINDING DOMAIN, EXPRESSED AS A DIMER, AND THE OUTER MEMBRANE VESICLE OF MENINGOCOCCAL GROUP B BACTERIA  
**(51)** Int. Cl.  
**A61K 39/095** ( 2006.01 )  
**A61K 39/215** ( 2006.01 )  
**A61P 31/00** ( 2006.01 )  
**A61P 31/14** ( 2006.01 )  
**A61P 37/04** ( 2006.01 )  
**C07K 14/005** ( 2006.01 )  
**C07K 14/165** ( 2006.01 )  
**C07K 14/22** ( 2006.01 )  
**(87)** WO2022/037727  
**(31)** 2020-0057 **(32)** 20.08.20 **(33)** CU  
**(43)** 24.02.2022  
**(72)** VALDÉS BALBÍN, Yury; VEREZ BENCOMO, Vicente Guillermo; GARCÍA RIVERA, Dagmar; CLIMENT RUIZ,

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

- Yanet; FERNÁNDEZ CASTILLO,  
Sonsire; RODRÍGUEZ NODA, Laura  
Marta; GONZÁLEZ RODRÍGUEZ,  
Humberto; RAMÍREZ GONZÁLEZ,  
Ubel Jesús; CHOVEL CUERVO, Mario  
Landys; PÉREZ NICADO, Rocmira;  
SÁNCHEZ RAMÍREZ, Belinda; OJITO  
MAGAZ, Eduardo; BOGGIANO AYO,  
Tammy; OLIVA HERNÁNDEZ, Reyn-  
aldo; CHEN, Guang Wu  
**(74)** AJ PARK
- 
- (71)** INTELLEGO TECHNOLOGIES AB  
(SWEDEN)  
**(11)** AU-A-2021338527  
**(21)** 2021338527 **(22)** 02.09.2021  
**(54)** MULTILAYER COLOURIMETRIC IN-  
DICATOR  
**(51)** Int. Cl.  
**G01J 1/04** ( 2006.01 )  
**G01J 1/50** ( 2006.01 )  
**(87)** WO2022/049194  
**(31)** 2013768.3 **(32)** 02.09.20 **(33)** GB  
**(43)** 10.03.2022  
**(72)** LINDAHL, Claes  
**(74)** FB Rice Pty Ltd
- 
- (71)** INVENTIO AG  
**(11)** AU-A-2021348956  
**(21)** 2021348956 **(22)** 09.09.2021  
**(54)** HANDRAIL TENSION MONITORING  
DEVICE FOR A PASSENGER TRANS-  
PORT SYSTEM  
**(51)** Int. Cl.  
**B66B 23/20** ( 2006.01 )  
**B66B 25/00** ( 2006.01 )  
**(87)** WO2022/063595  
**(31)** 20198493.7 **(32)** 25.09.20 **(33)** EP  
**(43)** 31.03.2022  
**(72)** ORTBAUER, Martin  
**(74)** Griffith Hack
- 
- (71)** ITRON, INC  
**(11)** AU-A-2021401857  
**(21)** 2021401857 **(22)** 30.09.2021  
**(54)** GAS REGULATOR DIAPHRAGM-PO-  
SITION AND PRESSURE-RELIEF DE-  
TECTION  
**(51)** Int. Cl.  
**G05D 16/06** ( 2006.01 )  
**(87)** WO2022/132283  
**(31)** 17/127,841 **(32)** 18.12.20 **(33)** US  
**(43)** 23.06.2022  
**(72)** KANN, James, Lee; CORNWALL,  
Mark, K.  
**(74)** FPA Patent Attorneys Pty Ltd
- 
- (71)** ITRON, INC.  
**(11)** AU-A-2021400300  
**(21)** 2021400300 **(22)** 30.09.2021  
**(54)** NETWORK EDGE DETECTION AND  
NOTIFICATION OF GAS PRESSURE  
SITUATION  
**(51)** Int. Cl.  
**F17D 1/04** ( 2006.01 )  
**(87)** WO2022/132284  
**(31)** 17/127,896 **(32)** 18.12.20 **(33)** US
- 
- (43)** 23.06.2022  
**(72)** KANN, James, Lee; PENZ, Janet;  
POLK, Katrina  
**(74)** FPA Patent Attorneys Pty Ltd
- 
- (71)** JANSSEN BIOTECH, INC.  
**(11)** AU-A-2021330539  
**(21)** 2021330539 **(22)** 25.08.2021  
**(54)** TREATMENT OF NON-SMALL CELL  
LUNG CANCER WITH EGFR MUTA-  
TIONS  
**(51)** Int. Cl.  
**C07K 16/28** ( 2006.01 )  
**A61K 31/437** ( 2006.01 )  
**A61K 31/5377** ( 2006.01 )  
**A61K 33/24** ( 2019.01 )  
**A61K 39/395** ( 2006.01 )  
**A61K 45/06** ( 2006.01 )  
**(87)** WO2022/043895  
**(31)** 63/069,748 **(32)** 25.08.20 **(33)** US  
**(43)** 03.03.2022  
**(72)** KNOBLAUCH, Roland; MOORES,  
Sheri  
**(74)** Spruson & Ferguson
- 
- (71)** JANSSEN PHARMACEUTICALS, INC.;  
NEW YORK UNIVERSITY  
**(11)** AU-A-2021350860  
**(21)** 2021350860 **(22)** 28.09.2021  
**(54)** VARIANT STAPHYLOCOCCUS-  
AUREUS LUKA AND LUKB POLY-  
PEPTIDES AND VACCINE COMPOSI-  
TIONS  
**(51)** Int. Cl.  
**A61K 38/16** ( 2006.01 )  
**A61K 39/085** ( 2006.01 )  
**A61K 39/40** ( 2006.01 )  
**C07K 14/31** ( 2006.01 )  
**C07K 16/12** ( 2006.01 )  
**G01N 33/68** ( 2006.01 )  
**(87)** WO2022/067255  
**(31)** 63/084,273 **(32)** 28.09.20 **(33)** US  
**(43)** 31.03.2022  
**(72)** MORROW, Brian; KONSTANTINOV,  
Sergey; GEURTSEN, Jeroen; LUO, Jin-  
quan; SOMANI, Sandeep; BUCKLEY,  
Peter T.; TORRES, Victor J.  
**(74)** Spruson & Ferguson
- 
- (71)** JANSSEN PHARMACEUTICA NV  
**(11)** AU-A-2021328320  
**(21)** 2021328320 **(22)** 20.08.2021  
**(54)** AMORPHOUS FORM OF A MALT1  
INHIBITOR AND FORMULATIONS  
THEREOF  
**(51)** Int. Cl.  
**A61K 9/14** ( 2006.01 )  
**A61K 9/16** ( 2006.01 )  
**A61K 9/20** ( 2006.01 )  
**A61K 9/28** ( 2006.01 )  
**A61K 9/48** ( 2006.01 )  
**A61K 31/00** ( 2006.01 )  
**(87)** WO2022/038252  
**(31)** 20192098.0 **(32)** 21.08.20 **(33)** EP  
**(43)** 24.02.2022  
**(72)** KIMPE, Kristof, Leonard; ANDERSEN,  
Sune, Klint; RAVELINGIEN, Matthieu,  
Jean, M; HUYPRECHTS, Tom, Els, R  
**(74)** Spruson & Ferguson
- 
- (71)** JANSSEN PHARMACEUTICA NV  
**(11)** AU-A-2021329842  
**(21)** 2021329842 **(22)** 20.08.2021  
**(54)** PHARMACEUTICAL FORMULATIONS  
COMPRISING A MALT1 INHIBITOR  
AND A MIXTURE OF POLYETHYLENE  
GLYCOL WITH A FATTY ACID  
**(51)** Int. Cl.  
**A61K 9/48** ( 2006.01 )  
**A61K 31/4725** ( 2006.01 )  
**A61K 31/765** ( 2006.01 )  
**A61K 47/10** ( 2017.01 )  
**A61K 47/32** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**(87)** WO2022/037661  
**(31)** PCT/ **(32)** 21.08.20 **(33)** CN  
CN2020/110403  
**(43)** 24.02.2022  
**(72)** SHAH, Sanket Manoj; ZHU, Donghua;  
HOLM, René; KIMPE, Kristof Leonard  
**(74)** Spruson & Ferguson
- 
- (71)** JANSSEN PHARMACEUTICA NV  
**(11)** AU-A-2021335395  
**(21)** 2021335395 **(22)** 31.08.2021  
**(54)** DRUG DELIVERY DEVICES WITH A  
MECHANICAL STOP  
**(51)** Int. Cl.  
**A61M 11/06** ( 2006.01 )  
**A61M 11/00** ( 2006.01 )  
**A61M 15/00** ( 2006.01 )  
**A61M 15/08** ( 2006.01 )  
**B05B 11/02** ( 2023.01 )  
**(87)** WO2022/049085  
**(31)** 63/073,026 **(32)** 01.09.20 **(33)** US  
**(43)** 10.03.2022  
**(72)** RAMOS, David; POPLI, Shagun; CAN-  
NAMELA, Michael; CASSEBEE, Jimmy,  
Vinh, Hoang; YAN, Hong; PÉREZ,  
Dolores; WANG, Jingli; LARSON,  
Chaley John; SCRIMGEOUR, Ian;  
HUBERT, Emma, Louise; KAPIL, Mon-  
ica A.; VESOLE, Steven, M.  
**(74)** Spruson & Ferguson
- 
- (71)** JAPAN AVIATION ELECTRONICS IN-  
DUSTRY, LIMITED; TOKYO INSTI-  
TUTE OF TECHNOLOGY  
**(11)** AU-A-2021356392  
**(21)** 2021356392 **(22)** 12.07.2021  
**(54)** INERTIA SENSOR, ATOM INTERFER-  
OMETER, METHOD FOR ADJUSTING  
SPEED OF ATOM, AND DEVICE FOR  
ADJUSTING SPEED OF ATOM  
**(51)** Int. Cl.  
**G01P 15/00** ( 2006.01 )  
**G01C 19/58** ( 2006.01 )  
**(87)** WO2022/074891  
**(31)** 2020-170504 **(32)** 08.10.20 **(33)** JP  
**(43)** 14.04.2022  
**(72)** INOUE, Ryotaro; KOZUMA, Mikio;  
TANIGUCHI, Kento; TANAKA, Atsushi  
**(74)** Griffith Hack
-

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

- (71) JAPAN AVIATION ELECTRONICS INDUSTRY, LIMITED; TOKYO INSTITUTE OF TECHNOLOGY  
 (11) AU-A-2021357884  
 (21) 2021357884 (22) 12.07.2021  
 (54) INERTIAL SENSOR, ATOM INTERFEROMETER, METHOD FOR ADJUSTING SPEED AND PATH OF ATOM BEAM, AND DEVICE FOR ADJUSTING SPEED AND PATH OF ATOM BEAM  
 (51) Int. Cl.  
 G01P 15/00 (2006.01)  
 G01C 19/58 (2006.01)  
 (87) WO2022/074890  
 (31) 2020-170503 (32) 08.10.20 (33) JP  
 (43) 14.04.2022  
 (72) TANIGUCHI, Kento; INOUE, Ryotaro; KOZUMA, Mikio; TANAKA, Atsushi  
 (74) Griffith Hack
- 
- (71) JENKINS, J.B.  
 (11) AU-A-2021327743  
 (21) 2021327743 (22) 20.08.2021  
 (54) PORTABLE VESSEL, REGULATOR AND APPARATUS FOR STORING FLUIDS  
 (51) Int. Cl.  
 B65D 81/32 (2006.01)  
 B65D 83/38 (2006.01)  
 B65D 83/42 (2006.01)  
 (87) WO2022/040485  
 (31) 63/068,828 (32) 21.08.20 (33) US  
 (43) 24.02.2022  
 (72) JENKINS, Jarvis, B.  
 (74) Spruson & Ferguson
- 
- (71) JETTI RESOURCES, LLC  
 (11) AU-A-2021343571  
 (21) 2021343571 (22) 10.09.2021  
 (54) EXTRACTION OF BASE METALS USING CARBONACEOUS MATTER AND A THIOCARBONYL FUNCTIONAL GROUP REAGENT  
 (51) Int. Cl.  
 C22B 3/08 (2006.01)  
 B01D 11/02 (2006.01)  
 C22B 3/24 (2006.01)  
 C22B 3/44 (2006.01)  
 C25C 1/12 (2006.01)  
 C22B 15/00 (2006.01)  
 (87) WO2022/056621  
 (31) 63/080,549 (32) 18.09.20 (33) US  
 (43) 24.03.2022  
 (72) REN, Zihe; MORA HUERTAS, Nelson; DIXON, David; ASSELIN, Edouard  
 (74) Spruson & Ferguson
- 
- (71) JETTI RESOURCES, LLC  
 (11) AU-A-2021345381  
 (21) 2021345381 (22) 10.09.2021  
 (54) EXTRACTING BASE METALS USING A WETTING AGENT AND A THIOCARBONYL FUNCTIONAL GROUP REAGENT  
 (51) Int. Cl.  
 C22B 3/08 (2006.01)  
 B01D 11/02 (2006.01)  
 C22B 1/16 (2006.01)
- 
- (71) JIANGSU CHIA TAI FENGHAI PHARMACEUTICAL CO., LTD.  
 (11) AU-A-2021326917  
 (21) 2021326917 (22) 19.08.2021  
 (54) HETEROAROMATIC RING COMPOUND AS RET KINASE INHIBITOR, AND PREPARATION AND USE THEREOF  
 (51) Int. Cl.  
 C07D 471/04 (2006.01)  
 A61K 31/437 (2006.01)  
 A61P 35/00 (2006.01)  
 (87) WO2022/037643  
 (31) 202010843823.6 (32) 20.08.20 (33) CN  
 202011236522.3 09.11.20 CN  
 202110431905.4 21.04.21 CN  
 (43) 24.02.2022  
 (72) ZHU, Yongqiang; LIU, Zhaogang; FENG, Chao; CHEN, Hao; XU, Kaikai; WANG, Jia; SHI, Jingmiao  
 (74) WRAYS PTY LTD
- 
- (71) JIANGSU HENGRUI PHARMACEUTICALS CO., LTD.; SHANGHAI HENGRUI PHARMACEUTICAL CO., LTD.  
 (11) AU-A-2021306414  
 (21) 2021306414 (22) 01.09.2021  
 (54) FUSED IMIDAZOLE DERIVATIVE, PREPARATION METHOD THEREFOR, AND MEDICAL USE THEREOF  
 (51) Int. Cl.  
 C07D 413/14 (2006.01)  
 A61K 31/496 (2006.01)  
 A61P 3/10 (2006.01)  
 C07D 405/04 (2006.01)  
 (87) WO2022/007979  
 (31) 202010905693.4 (32) 01.09.20 (33) CN  
 202010984336.1 18.09.20 CN  
 202011124085.6 20.10.20 CN  
 202011253077.1 11.11.20 CN  
 202011407911.8 04.12.20 CN  
 202011627733.X 31.12.20 CN  
 (43) 13.01.2022  
 (72) YANG, Fanglong; ZHANG, Ling; ZHENG, Liangliang; HE, Feng; TAO, Weikang  
 (74) FB Rice Pty Ltd
- 
- (71) JIO PLATFORMS LIMITED  
 (11) AU-A-2022318420  
 (21) 2022318420 (22) 29.07.2022  
 (54) METHODS AND SYSTEMS FOR REESTIMATING STOCK  
 (51) Int. Cl.  
 G06Q 10/08 (2023.01)  
 G06Q 50/28 (2012.01)  
 (87) WO2023/007451
- 
- (31) 202121034201 (32) 29.07.21 (33) IN  
 (43) 02.02.2023  
 (72) KUMAR, Akansha; LINGAM, Harish; SANTHOSH, Swargam; LAKKIREDDY, Manoj Reddy; REDDY, Pranay Reddy Chen; DHONDGE, Kamlesh; SARASWAT, Manoj Kumar; GADEGAONKAR, Kamlakar; GARG, Parishkeh Chandra; NAIK, Milind; DALVI, Sandesh Dashrath  
 (74) Wynnes Patent and Trade Mark Attorneys Pty Ltd
- 
- (71) JOINT STOCK COMPANY "BIOCAD"  
 (11) AU-A-2021331947  
 (21) 2021331947 (22) 27.08.2021  
 (54) AAV5-BASED VACCINE AGAINST SARS-COV-2  
 (51) Int. Cl.  
 A61K 39/125 (2006.01)  
 A61P 11/00 (2006.01)  
 A61P 31/12 (2006.01)  
 C07K 14/165 (2006.01)  
 C12N 7/00 (2006.01)  
 C12N 15/861 (2006.01)  
 (87) WO2022/045935  
 (31) 2020128658 (32) 28.08.20 (33) RU  
 (43) 03.03.2022  
 (72) PROKOFYEV, Alexander Vladimirovich; GERSHOVICH, Pavel Mikhailovich; STRELKOVA, Anna Nikolaevna; SPIRINA, Natalia Aleksandrovna; KONDISKAIA, Diana Aleksandrovna; IAKOVLEV, Pavel Andreevich; MOROZOV, Dmitry Valentinovich  
 (74) FPA Patent Attorneys Pty Ltd
- 
- (71) KABUSHIKI KAISHA ACB  
 (11) AU-A-2021375879  
 (21) 2021375879 (22) 08.11.2021  
 (54) AIR BLOWING DEVICE AND AIR-CONDITIONED CLOTHING  
 (51) Int. Cl.  
 A41D 13/002 (2006.01)  
 A41D 13/005 (2006.01)  
 F04D 29/52 (2006.01)  
 F24F 1/04 (2011.01)  
 (87) WO2022/097744  
 (31) 2020-186511 (32) 09.11.20 (33) JP  
 (43) 12.05.2022  
 (72) MATSUI Masakazu  
 (74) AJ PARK
- 
- (71) KANAVARIOTI, A.  
 (11) AU-A-2020471747  
 (21) 2020471747 (22) 05.10.2020  
 (54) READY-TO-USE NANOPORE PLATFORM FOR ATTOMOLE DNA/RNA OLIGO DETECTION USING AN OSMIUM TAGGED COMPLEMENTARY PROBE  
 (51) Int. Cl.  
 C12N 15/10 (2006.01)  
 C12Q 1/6806 (2018.01)  
 C12Q 1/6816 (2018.01)  
 (87) WO2022/075965  
 (43) 14.04.2022  
 (72) KANAVARIOTI, Anastassia  
 (74) RNB IP PTY LTD



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

- 
- (71) KC8 CAPTURE TECHNOLOGIES LTD  
 (11) AU-A-2021344444  
 (21) 2021344444 (22) 16.09.2021  
 (54) A SOLVENT SOLUTION AND PROCESS  
 (51) Int. Cl.  
*B01D 53/14* ( 2006.01 )  
*B01D 53/62* ( 2006.01 )  
*B01D 53/96* ( 2006.01 )  
 (87) WO2022/056589  
 (31) 2020903329 (32) 17.09.20 (33) AU  
 (43) 24.03.2022  
 (72) HOOPER, Barry; STEVENS, Geoffrey;  
 OSBORNE, Craig  
 (74) BOSH IP Pty Ltd
- 
- (71) KIMBERLY-CLARK WORLDWIDE,  
 INC.  
 (11) AU-A-2020464752  
 (21) 2020464752 (22) 31.08.2020  
 (54) METHODS OF IN-MOLDING LABELS  
 AND DISPENSERS THEREOF  
 (51) Int. Cl.  
*B29C 45/14* ( 2006.01 )  
*A47K 10/24* ( 2006.01 )  
*B29C 45/12* ( 2006.01 )  
*B29C 45/13* ( 2006.01 )  
 (87) WO2022/046110  
 (43) 03.03.2022  
 (72) GREEN, Jonathan; ERZEN, Klemen;  
 OBERDORF, Joseph E.  
 (74) Spruson & Ferguson
- 
- (71) KINOXIS THERAPEUTICS PTY LTD  
 (11) AU-A-2021336662  
 (21) 2021336662 (22) 07.09.2021  
 (54) SALTS AND CRYSTALS  
 (51) Int. Cl.  
*C07D 487/04* ( 2006.01 )  
*A61P 3/04* ( 2006.01 )  
*A61P 25/18* ( 2006.01 )  
*A61P 25/30* ( 2006.01 )  
*A61P 25/36* ( 2006.01 )  
*A61P 43/00* ( 2006.01 )  
 (87) WO2022/047548  
 (31) 2020903196 (32) 07.09.20 (33) AU  
 (43) 10.03.2022  
 (72) ALSOP, Hugh; REEKIE, Tristan;  
 LAWRENCE, Ronnie Maxwell  
 (74) FPA Patent Attorneys Pty Ltd
- 
- (71) KLOSE, S.  
 (11) AU-A-2021352435  
 (21) 2021352435 (22) 04.10.2021  
 (54) SYSTEM AND METHOD FOR DETECTING  
 OBJECTS IN IMAGES  
 (51) Int. Cl.  
*G06N 3/04* ( 2023.01 )  
*G06N 3/08* ( 2023.01 )  
*G06Q 40/08* ( 2012.01 )  
*G06T 7/00* ( 2017.01 )  
*G06T 7/60* ( 2017.01 )  
 (87) WO2022/072916  
 (31) 63/086,821 (32) 02.10.20 (33) US  
 17/173,157 10.02.21 US
- 
- (43) 07.04.2022  
 (72) KLOSE, Shelly  
 (74) RnB IP Pty Ltd
- 
- (71) KRAUSS-MAFFEI WEGMANN GMBH  
 & CO. KG  
 (11) AU-A-2021379006  
 (21) 2021379006 (22) 11.11.2021  
 (54) BRIDGE-LAYING VEHICLE  
 (51) Int. Cl.  
*E01D 15/127* ( 2006.01 )  
 (87) WO2022/100791  
 (31) 10 2020 129 687.8 (32) 11.11.20 (33) DE  
 (43) 19.05.2022  
 (72) SCHUHMANN, Manfred; STOIBER,  
 Wolfgang  
 (74) Golja Haines & Friend
- 
- (71) KUHN SAS  
 (11) AU-A-2021349091  
 (21) 2021349091 (22) 14.09.2021  
 (54) METHOD FOR WORKING A PLOT OF  
 LAND BY AT LEAST TWO AGRICULTURAL  
 ROBOTS  
 (51) Int. Cl.  
*A01B 69/00* ( 2006.01 )  
*G05D 1/00* ( 2006.01 )  
*G05D 1/02* ( 2020.01 )  
 (87) WO2022/063639  
 (31) FR2009705 (32) 24.09.20 (33) FR  
 (43) 31.03.2022  
 (72) HOELLINGER, Marie; POTIER, Phil-  
 ippe; LABOUREY, Quentin; JARRASSI-  
 ER, Benoit  
 (74) Spruson & Ferguson
- 
- (71) KWS SAAT SE & CO. KGAA  
 (11) AU-A-2021328620  
 (21) 2021328620 (22) 05.08.2021  
 (54) PLANT RESISTANCE GENE AND  
 MEANS FOR ITS IDENTIFICATION  
 (51) Int. Cl.  
*A01H 5/06* ( 2018.01 )  
*A01H 6/02* ( 2018.01 )  
*C07K 14/415* ( 2006.01 )  
 (87) WO2022/037967  
 (31) 20191416.5 (32) 17.08.20 (33) EP  
 (43) 24.02.2022  
 (72) TÖRJÉK, Ottó; BORCHARDT, Diet-  
 rich; MECHELKE, Wolfgang; SCHULZ,  
 Britta; LEIN, Jens, Christoph  
 (74) Spruson & Ferguson
- 
- (71) KYOTO PREFECTURAL PUBLIC UNI-  
 VERSITY CORPORATION; KYOTO  
 SANGYO UNIVERSITY  
 (11) AU-A-2021342965  
 (21) 2021342965 (22) 16.09.2021  
 (54) PEPTIDE HAVING PLANT STEM  
 CELL-INDUCING EFFECT AND  
 PLANT PEST RESISTANCE-INDUCING  
 EFFECT  
 (51) Int. Cl.  
*C07K 14/435* ( 2006.01 )  
*A01H 3/00* ( 2006.01 )  
*A01N 63/50* ( 2020.01 )  
*A01P 21/00* ( 2006.01 )
- 
- C12N 5/04* ( 2006.01 )  
*C12N 15/12* ( 2006.01 )  
 (87) WO2022/059746  
 (31) 2020-156361 (32) 17.09.20 (33) JP  
 (43) 24.03.2022  
 (72) SATO, Masahiko; OHSHIMA, Issei;  
 HIRANO, Tomoko; KIMURA, Seisuke  
 (74) FPA Patent Attorneys Pty Ltd
- 
- (71) L'AIR LIQUIDE, SOCIETE ANONYME  
 POUR L'ETUDE ET L'EXPLOITATION  
 DES PROCEDES GEORGES CLAUDE  
 (11) AU-A-2021339838  
 (21) 2021339838 (22) 13.09.2021  
 (54) HYDROGEN NANOBUBBLES IN-  
 FUSED WATER FOR INDUSTRIAL  
 CROP IRRIGATION  
 (51) Int. Cl.  
*A01G 25/00* ( 2006.01 )  
*A01G 7/00* ( 2006.01 )  
*C01B 5/00* ( 2006.01 )  
 (87) WO2022/056419  
 (31) 63/077,762 (32) 14.09.20 (33) US  
 (43) 17.03.2022  
 (72) MAHMUDOVI, Rovshan; FANG, Shu;  
 ZENG, Yan  
 (74) Maxwells Patent & Trade Mark Attor-  
 neys Pty Ltd
- 
- (71) LANZATECH, INC.  
 (11) AU-A-2021349942  
 (21) 2021349942 (22) 24.09.2021  
 (54) RECOMBINANT MICROORGANISMS  
 AND USES THEREFOR  
 (51) Int. Cl.  
*C12N 15/74* ( 2006.01 )  
*C12N 9/10* ( 2006.01 )  
*C12P 7/04* ( 2006.01 )  
*C12P 7/26* ( 2006.01 )  
 (87) WO2022/066997  
 (31) 63/083,257 (32) 25.09.20 (33) US  
 (43) 31.03.2022  
 (72) NOGLE, Robert; LEANG, Ching; JU-  
 MINAGA, Darmawi; SHOCKLEY, Arthur  
 (74) SR Intellectual Property
- 
- (71) LA-Z-BOY INCORPORATED  
 (11) AU-A-2021350118  
 (21) 2021350118 (22) 27.09.2021  
 (54) WALL-PROXIMITY FURNITURE MEM-  
 BER HAVING SYNC MECHANISM  
 (51) Int. Cl.  
*A47C 1/024* ( 2006.01 )  
*A47C 1/032* ( 2006.01 )  
*A47C 1/034* ( 2006.01 )  
*A47C 7/02* ( 2006.01 )  
*A47C 7/40* ( 2006.01 )  
*A47C 7/50* ( 2006.01 )  
*A47C 7/54* ( 2006.01 )  
 (87) WO2022/067153  
 (31) 17/034,789 (32) 28.09.20 (33) US  
 (43) 31.03.2022  
 (72) LAPOINTE, Larry P.; MCPHERSON,  
 Jaime A.; LARSEN, Christopher A.;  
 LOPER, Randy C.; HARTFORD,  
 Richard D.; RAMASUBRAMANIAN,  
 Chandrasekar  
 (74) WRAYS PTY LTD

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

<p>(71) LEAHY, C.H.                      (11) AU-A-2021340894                      (21) 2021340894 (22) 14.09.2021                      (54) PRE-INSULATED BLOCK                      (51) Int. Cl.  <i>E04C 1/41</i> ( 2006.01 )  <i>E04B 1/41</i> ( 2006.01 )  <i>E04B 1/84</i> ( 2006.01 )                      (87) WO2022/056458                      (31) 63/078,034 (32) 14.09.20 (33) US                      17/473,527 13.09.21 US                      (43) 17.03.2022                      (72) LEAHY, Charles H.                      (74) Collison &amp; Co</p>	<p>Young-Hoo; OK, Seung-Min; JO, Sang-Hyun                      (74) FB Rice Pty Ltd</p>	<p>(43) 14.04.2022                      (72) LUCON, Peter Andrew; MICHELS, Doran John; MUNSON, Beauford Eugene; PAFFHAUSEN, Michael James; HALL, Robert James                      (74) AJ PARK</p>
<p>(71) LECALVIER CELLARS LLC                      (11) AU-A-2021330829                      (21) 2021330829 (22) 23.08.2021                      (54) WINE BOTTLE WITH CORK RETAINER AND RE-USE FEATURES                      (51) Int. Cl.  <i>B65D 23/00</i> ( 2006.01 )                      (87) WO2022/046619                      (31) 63/069,328 (32) 24.08.20 (33) US                      (43) 03.03.2022                      (72) FOURNIER, Michel, M.; MACKENZIE, Evan                      (74) WRAYS PTY LTD</p>	<p>(71) LG ENERGY SOLUTION, LTD.                      (11) AU-A-2022319463                      (21) 2022319463 (22) 26.07.2022                      (54) ENERGY STORAGE SYSTEM AND CONTROL METHOD OF ENERGY STORAGE SYSTEM                      (51) Int. Cl.  <i>H02J 7/00</i> ( 2006.01 )  <i>G01R 19/165</i> ( 2006.01 )  <i>H02J 3/32</i> ( 2006.01 )                      (87) WO2023/008867                      (31) 10-2021-0097480 (32) 26.07.21 (33) KR                      (43) 02.02.2023                      (72) KIM, Jongcheol                      (74) FB Rice Pty Ltd</p>	<p>(71) LUMENIS BE LTD.                      (11) AU-A-2021339091                      (21) 2021339091 (22) 09.09.2021                      (54) DRY EYE TREATMENT SYSTEM WITH DISPOSABLE TIP AND CORNEAL SHIELD                      (51) Int. Cl.  <i>A61F 9/007</i> ( 2006.01 )  <i>A61B 90/00</i> ( 2016.01 )  <i>A61F 9/00</i> ( 2006.01 )                      (87) WO2022/053980                      (31) 63/076,485 (32) 10.09.20 (33) US                      (43) 17.03.2022                      (72) KLEINMAN BEN TSVI, May; BIRMAN, Yosef; ALTMAN, Hernan                      (74) WRAYS PTY LTD</p>
<p>(71) LG ENERGY SOLUTION, LTD.                      (11) AU-A-2021357791                      (21) 2021357791 (22) 17.09.2021                      (54) BATTERY RACK, ENERGY STORAGE APPARATUS, AND POWER GENERATION SYSTEM                      (51) Int. Cl.  <i>H01M 10/42</i> ( 2006.01 )  <i>A62C 3/16</i> ( 2006.01 )  <i>A62C 31/00</i> ( 2006.01 )  <i>H01M 50/20</i> ( 2021.01 )                      (87) WO2022/075635                      (31) 10-2020-0128285 (32) 05.10.20 (33) KR                      (43) 14.04.2022                      (72) KIM, Hee-Chan; LEE, Seung-Jun; JUNG, Goan-Su; LEE, Kyung-Min; SON, Kown; LEE, Jong-Soo; JEON, Seung-Joon                      (74) FB Rice Pty Ltd</p>	<p>(71) LINE 6 BIOTECHNOLOGY, INC                      (11) AU-A-2021356298                      (21) 2021356298 (22) 07.10.2021                      (54) METHODS AND AGENTS FOR THE TREATMENT OF OCULAR DISEASE                      (51) Int. Cl.  <i>C07K 16/28</i> ( 2006.01 )  <i>A61K 39/00</i> ( 2006.01 )  <i>A61K 39/395</i> ( 2006.01 )  <i>A61P 27/02</i> ( 2006.01 )                      (87) WO2022/073072                      (31) 2020903624 (32) 07.10.20 (33) AU                      (43) 14.04.2022                      (72) ZIEGELAAR, Brian; REDLICH, Garry                      (74) Davies Collison Cave Pty Ltd</p>	<p>(71) M &amp; M INTERNATIONAL, LLC                      (11) AU-A-2021355418                      (21) 2021355418 (22) 29.09.2021                      (54) KELLY VALVE                      (51) Int. Cl.  <i>E21B 21/10</i> ( 2006.01 )  <i>E21B 21/12</i> ( 2006.01 )  <i>E21B 34/00</i> ( 2006.01 )                      (87) WO2022/072398                      (31) 63/084,874 (32) 29.09.20 (33) US                      (43) 07.04.2022                      (72) STAPLES, Tripp, Cappel; MONTET, Shaun, Paul; HINCAPIE, Juan, Carlos                      (74) Spruson &amp; Ferguson</p>
<p>(71) LG ENERGY SOLUTION, LTD.                      (11) AU-A-2022229167                      (21) 2022229167 (22) 25.02.2022                      (54) BATTERY MODULE HAVING IMPROVED FIRE PREVENTION PERFORMANCE                      (51) Int. Cl.  <i>H01M 50/383</i> ( 2021.01 )  <i>H01M 50/211</i> ( 2021.01 )  <i>H01M 50/24</i> ( 2021.01 )  <i>H01M 50/251</i> ( 2021.01 )                      (87) WO2022/186564                      (31) 10-2021-0029058 (32) 04.03.21 (33) KR                      (43) 09.09.2022                      (72) HONG, Sung-Goen; KONG, Yu-Dam; KIM, Seung-Hyun; SHIN, Jin-Kyu; OH,</p>	<p>(71) LMS ENERGY PTY LTD                      (11) AU-A-2021354150                      (21) 2021354150 (22) 30.09.2021                      (54) ORGANIC WASTE DIGESTER                      (51) Int. Cl.  <i>C05F 17/50</i> ( 2020.01 )  <i>C05F 11/04</i> ( 2018.01 )  <i>C05F 17/95</i> ( 2020.01 )  <i>C05F 17/979</i> ( 2020.01 )                      (87) WO2022/067384                      (31) 2020903532 (32) 30.09.20 (33) AU                      (43) 07.04.2022                      (72) VARCOE, Jonathon Charles Richard                      (74) Madderns Pty Ltd</p>	<p>(71) MACFARLANE BURNET INSTITUTE FOR MEDICAL RESEARCH AND PUBLIC HEALTH LIMITED                      (11) AU-A-2021358139                      (21) 2021358139 (22) 06.10.2021                      (54) METHODS AND COMPOSITIONS BASED ON LONGITUDINAL STUDIES                      (51) Int. Cl.  <i>G01N 33/68</i> ( 2006.01 )  <i>A61K 39/00</i> ( 2006.01 )  <i>A61K 39/395</i> ( 2006.01 )  <i>A61K 39/42</i> ( 2006.01 )  <i>B01L 3/00</i> ( 2006.01 )  <i>C07K 1/22</i> ( 2006.01 )  <i>C07K 16/10</i> ( 2006.01 )  <i>G01N 33/569</i> ( 2006.01 )                      (87) WO2022/073066                      (31) 2020903616 (32) 06.10.20 (33) AU                      2020904633 11.12.20 AU                      2021901958 28.06.21 AU                      (43) 14.04.2022                      (72) ANDERSON, David; DRUMMER, Heidi; BHAT, Purnima; VAN, Huy                      (74) FB Rice Pty Ltd</p>
<p>(71) LG ENERGY SOLUTION, LTD.                      (11) AU-A-2022229167                      (21) 2022229167 (22) 25.02.2022                      (54) BATTERY MODULE HAVING IMPROVED FIRE PREVENTION PERFORMANCE                      (51) Int. Cl.  <i>H01M 50/383</i> ( 2021.01 )  <i>H01M 50/211</i> ( 2021.01 )  <i>H01M 50/24</i> ( 2021.01 )  <i>H01M 50/251</i> ( 2021.01 )                      (87) WO2022/186564                      (31) 10-2021-0029058 (32) 04.03.21 (33) KR                      (43) 09.09.2022                      (72) HONG, Sung-Goen; KONG, Yu-Dam; KIM, Seung-Hyun; SHIN, Jin-Kyu; OH,</p>	<p>(71) LUCON ENGINEERING, INC.; LUCON, P.A.                      (11) AU-A-2021358584                      (21) 2021358584 (22) 08.10.2021                      (54) RESONANCE-ENABLED MACHINES                      (51) Int. Cl.  <i>H02K 33/16</i> ( 2006.01 )  <i>B06B 1/04</i> ( 2006.01 )  <i>B06B 1/12</i> ( 2006.01 )  <i>F04B 43/04</i> ( 2006.01 )  <i>F04B 45/047</i> ( 2006.01 )  <i>H02K 33/00</i> ( 2006.01 )                      (87) WO2022/076780                      (31) 63/089,509 (32) 08.10.20 (33) US</p>	<p>(71) MARS, INCORPORATED                      (11) AU-A-2021361028                      (21) 2021361028 (22) 15.10.2021</p>

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

- (54) SYSTEM, METHOD, AND APPARATUS FOR COLLECTING CONFECTION-ERY PRODUCTS  
 (31) 63/092,825 (32) 16.10.20 (33) US  
 (43) 21.04.2022  
 (72) BRODY, Chris; CAPARYAN, Caroline; FERNANDES, Teresa; DADLANI, Sandeep; MEHRISH, Shubham; APERT, Romain; SUBRAMANIAN, Balakrishnan; SMITH, Jess; KELLER, Rick; CHAUDHARY, Sid; BOGNER, Leonard J. Jr.; ARUMUGAM, Balu; BURICH, Jason; DOBBS, Seth T.; DONAHUE, Megan N.; MOTURU, Praveen  
 (74) MINTER ELLISON
- 
- (71) MASCHINENFABRIK REINHAUSEN GMBH  
 (11) AU-A-2021333021 (22) 21.07.2021  
 (54) ON-LOAD TAP CHANGER AND TAP-CHANGING TRANSFORMER HAVING AN ON-LOAD TAP CHANGER  
 (51) Int. Cl.  
 H01F 29/04 (2006.01)  
 H01H 33/55 (2006.01)  
 (87) WO2022/042955  
 (31) 10 2020 122 444.3 (32) 27.08.20 (33) DE  
 (43) 03.03.2022  
 (72) HAMMER, Christian; ALBRECHT, Wolfgang; SCHMEISSER, Michael; KOTZ, Christian  
 (74) HENRY HUGHES IP LTD
- 
- (71) MASTERCARD TECHNOLOGIES CANADA ULC  
 (11) AU-A-2021354156 (22) 30.09.2021  
 (54) USER IDENTIFICATION WITH INPUT PROFILE RECORD  
 (51) Int. Cl.  
 G06F 21/32 (2013.01)  
 (87) WO2022/067436  
 (31) 63/085,598 (32) 30.09.20 (33) US  
 (43) 07.04.2022  
 (72) MCGEE, Perry; CHAN, Sik Suen; LAP-TIEV, Anton; FRENTIU, Cristian  
 (74) Davies Collison Cave Pty Ltd
- 
- (71) MAXITROL GMBH & CO. KG  
 (11) AU-A-2021332942 (22) 13.08.2021  
 (54) ELECTRONIC CLOSED-LOOP CONTROL DEVICE FOR FIREPLACES COMPRISING A LOWER COMBUSTION SYSTEM  
 (51) Int. Cl.  
 F23B 30/00 (2006.01)  
 F23B 10/02 (2011.01)  
 F23N 3/04 (2006.01)  
 F24B 1/02 (2006.01)  
 F24B 1/189 (2006.01)  
 (87) WO2022/042782
- 
- (31) 10 2020 005 202.9 (32) 25.08.20 (33) DE  
 (43) 03.03.2022  
 (72) KEIL, Peter; MALECHA, Sven  
 (74) Griffith Hack
- 
- (71) MAYTRONICS LTD.  
 (11) AU-A-2021327980 (22) 19.08.2021  
 (54) MULTI-REGION OPTICAL FILTERS AND SYSTEMS AND METHODS USING SAME  
 (51) Int. Cl.  
 G02B 5/20 (2006.01)  
 G01J 3/02 (2006.01)  
 G01J 3/12 (2006.01)  
 G01J 3/28 (2006.01)  
 G01N 21/25 (2006.01)  
 G01N 21/85 (2006.01)  
 (87) WO2022/038614  
 (31) 63/068,085 (32) 20.08.20 (33) US  
 (43) 24.02.2022  
 (72) KISLEV, Hanoch; SOBOL, Shahr; TILCHIN, Yehonatan Evgeniy; RACHMAN, Alexander  
 (74) WRAYS PTY LTD
- 
- (71) MCELROY MANUFACTURING, INC.  
 (11) AU-A-2021349290 (22) 11.08.2021  
 (54) APPARATUS WITH METHOD HAVING MULTIPLE OPERATING MODES FOR FUSING POLYETHYLENE PIPE  
 (51) Int. Cl.  
 B29C 65/02 (2006.01)  
 B29C 65/20 (2006.01)  
 B29C 65/78 (2006.01)  
 (87) WO2022/067281  
 (31) 63/081,500 (32) 22.09.20 (33) US  
 17/304,791 25.06.21 US  
 (43) 31.03.2022  
 (72) BUENO, Alex; CHURCH, Shawn; MELOY, Jessica; PACHECO, Michael  
 (74) Dennemeyer & Associates
- 
- (71) MEDELA HOLDING AG  
 (11) AU-A-2021348353 (22) 18.05.2021  
 (54) PUMPING GARMENT  
 (51) Int. Cl.  
 A61M 1/06 (2006.01)  
 (87) WO2022/064283  
 (31) 63/082,092 (32) 23.09.20 (33) US  
 (43) 31.03.2022  
 (72) STANTON, Lisa  
 (74) PHILLIPS ORMONDE FITZPATRICK
- 
- (71) MEDIGENE IMMUNOTHERAPIES GMBH  
 (11) AU-A-2021347595 (22) 24.09.2021  
 (54) MAGE-A3 SPECIFIC T CELL RECEPTORS AND THEIR USE  
 (51) Int. Cl.  
 C07K 14/725 (2006.01)  
 A61K 35/17 (2015.01)  
 A61P 35/00 (2006.01)  
 C07K 14/47 (2006.01)
- 
- (87) WO2022/063965  
 (31) 20198049.7 (32) 24.09.20 (33) EP  
 (43) 31.03.2022  
 (72) DAVARI, Kathrin; HOLLAND, Tristan; ELLINGER, Christian  
 (74) Spruson & Ferguson
- 
- (71) MEDIGENE IMMUNOTHERAPIES GMBH  
 (11) AU-A-2021348239 (22) 24.09.2021  
 (54) PRAME SPECIFIC T-CELL RECEPTORS AND USES THEREOF  
 (51) Int. Cl.  
 C07K 14/725 (2006.01)  
 A61K 35/17 (2015.01)  
 A61P 35/00 (2006.01)  
 C07K 14/47 (2006.01)  
 (87) WO2022/063966  
 (31) 20198096.8 (32) 24.09.20 (33) EP  
 (43) 31.03.2022  
 (72) WEHNER, Carina; LONGINOTTI, Giulia  
 (74) Spruson & Ferguson
- 
- (71) MELETIOS THERAPEUTICS  
 (11) AU-A-2021342704 (22) 17.09.2021  
 (54) COMPOUNDS FOR TREATING VIRUS INFECTIONS  
 (51) Int. Cl.  
 A61K 31/135 (2006.01)  
 A61K 45/06 (2006.01)  
 A61P 31/12 (2006.01)  
 A61P 31/14 (2006.01)  
 A61P 31/16 (2006.01)  
 (87) WO2022/058533  
 (31) 20306048.8 (32) 17.09.20 (33) EP  
 21305200.4 18.02.21 EP  
 (43) 24.03.2022  
 (72) MANIERE, Xavier; SALOME, Marc  
 (74) Dennemeyer & Associates
- 
- (71) MEMORIAL-SLOAN KETTERING CANCER CENTER; UNIVERSITY OF RHODE ISLAND BOARD OF TRUSTEES; PHLIP, INC.; MEMORIAL HOSPITAL FOR CANCER AND ALLIED DISEASES; SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH  
 (11) AU-A-2021347150 (22) 21.09.2021  
 (54) RADIOLABELED LIGANDS FOR TARGETED PET/SPECT IMAGING AND METHODS OF THEIR USE  
 (51) Int. Cl.  
 A61K 38/16 (2006.01)  
 A61K 49/00 (2006.01)  
 A61K 51/04 (2006.01)  
 A61K 51/08 (2006.01)  
 C07K 7/02 (2006.01)  
 C07K 14/00 (2006.01)  
 (87) WO2022/066650  
 (31) 63/081,632 (32) 22.09.20 (33) US  
 63/242,315 09.09.21 US  
 (43) 31.03.2022  
 (72) LEWIS, Jason S.; RESHETNYAK, Yana K.; CARTER, Lukas M.; BAUER, David  
 (74) Pizzey's Patent and Trade Mark Attorneys Pty Ltd

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

- 
- (71) MENARINI SILICON BIOSYSTEMS S.P.A.  
 (11) AU-A-2021336112  
 (21) 2021336112 (22) 02.09.2021  
 (54) SYSTEM, KIT, METHOD AND PROCESS FOR HANDLING A SAMPLE  
 (51) Int. Cl.  
*G01N 33/543* ( 2006.01 )  
*G01N 33/574* ( 2006.01 )  
*G01N 33/58* ( 2006.01 )  
 (87) WO2022/049520  
 (31) 10202000020890 (32) 02.09.20 (33) IT  
 (43) 10.03.2022  
 (72) MEDORO, Gianni; CALANCA, Alex  
 (74) Davies Collison Cave Pty Ltd
- 
- (71) MEREDIAN, INC.  
 (11) AU-A-2021327928  
 (21) 2021327928 (22) 11.03.2021  
 (54) ANTIMICROBIAL BIODEGRADABLE COMPOSITIONS FOR FOOD CONTACT ARTICLES  
 (51) Int. Cl.  
*A01N 25/10* ( 2006.01 )  
*A01P 1/00* ( 2006.01 )  
*A01P 3/00* ( 2006.01 )  
*A61L 29/16* ( 2006.01 )  
*A61P 31/04* ( 2006.01 )  
*C08L 67/04* ( 2006.01 )  
 (87) WO2022/039789  
 (31) 63/068,401 (32) 21.08.20 (33) US  
 (43) 24.02.2022  
 (72) LEGGETT, Carol, G.; VAN TRUMP, Phillip; LEGGETT, Thomas, K., III; MULLINS, Russell  
 (74) Spruson & Ferguson
- 
- (71) MERLIN LABS, INC.  
 (11) AU-A-2021360822  
 (21) 2021360822 (22) 13.10.2021  
 (54) SYSTEM AND/OR METHOD FOR SEMANTIC PARSING OF AIR TRAFFIC CONTROL AUDIO  
 (51) Int. Cl.  
*G10L 15/26* ( 2006.01 )  
*G06F 16/24* ( 2019.01 )  
*G08G 5/00* ( 2006.01 )  
*G10L 15/22* ( 2006.01 )  
*G10L 21/00* ( 2013.01 )  
 (87) WO2022/081669  
 (31) 63/090,898 (32) 13.10.20 (33) US  
 (43) 21.04.2022  
 (72) PUST, Michael; BONDARYK, Joseph; GEORGE, Matthew  
 (74) PIPERS
- 
- (71) MICROBIOTICA LIMITED  
 (11) AU-A-2021353115  
 (21) 2021353115 (22) 04.10.2021  
 (54) THERAPEUTIC BACTERIAL COMPOSITION  
 (51) Int. Cl.  
*A61K 35/74* ( 2015.01 )  
*A23L 33/135* ( 2016.01 )  
*A61K 35/742* ( 2015.01 )  
*A61K 35/745* ( 2015.01 )
- 
- (71) MICROSOFT TECHNOLOGY LICENSING, LLC  
 (11) AU-A-2021339521  
 (21) 2021339521 (22) 01.06.2021  
 (54) LOW POWER CRYO-CMOS CIRCUITS WITH NON-VOLATILE THRESHOLD VOLTAGE OFFSET COMPENSATION  
 (51) Int. Cl.  
*H03K 19/195* ( 2006.01 )  
*H03K 19/00* ( 2006.01 )  
 (87) WO2022/055578  
 (31) 17/013,941 (32) 08.09.20 (33) US  
 (43) 17.03.2022  
 (72) REILLY, David J.  
 (74) Davies Collison Cave Pty Ltd
- 
- (71) MICROSOFT TECHNOLOGY LICENSING, LLC  
 (11) AU-A-2021340717  
 (21) 2021340717 (22) 10.09.2021  
 (54) AUTOMATIC NODE FUNGIBILITY BETWEEN COMPUTE AND INFRASTRUCTURE NODES IN EDGE ZONES  
 (51) Int. Cl.  
*G06F 9/50* ( 2006.01 )  
 (87) WO2022/056312  
 (31) 2026456 (32) 11.09.20 (33) NL  
 (43) 17.03.2022  
 (72) KURIAN, Alphonse; PASUPULETI, Chandrasekhar; ASTHANA, Arpan Kumar; AGRAWAL, PushpRaj; KHAN, Humayun Mukhtar  
 (74) Davies Collison Cave Pty Ltd
- 
- (71) MICROSOFT TECHNOLOGY LICENSING, LLC  
 (11) AU-A-2021346492  
 (21) 2021346492 (22) 10.06.2021  
 (54) DISAGGREGATED COMPUTER SYSTEMS  
 (51) Int. Cl.  
*H05K 7/20* ( 2006.01 )  
 (87) WO2022/066249  
 (31) 17/033,322 (32) 25.09.20 (33) US  
 (43) 31.03.2022  
 (72) ALISSA, Husam, A.; MANOUSAKIS, Ioannis; BELADY, Christian, L.; FONTOURA, Marcus, Felipe; BIANCHINI, Ricardo, G.; SAUNDERS, Winston, Allen; SHAW, Mark, Edward  
 (74) Davies Collison Cave Pty Ltd
- 
- (71) MICROSOFT TECHNOLOGY LICENSING LLC  
 (11) AU-A-2020467946  
 (21) 2020467946 (22) 18.09.2020  
 (54) SUPERCONDUCTING QUANTUM INTERFERENCE DEVICES AND USES THEREOF  
 (51) Int. Cl.  
*G06N 10/00* ( 2022.01 )  
*H10N 60/12* ( 2023.01 )  
 (87) WO2022/058025  
 (43) 24.03.2022  
 (72) WESDORP, Jaap, Joachim; DE LANGE, Gijbertus  
 (74) Davies Collison Cave Pty Ltd
- 
- (71) MIDREX TECHNOLOGIES, INC.  
 (11) AU-A-2021360515  
 (21) 2021360515 (22) 14.10.2021  
 (54) HBI SLOW COOLING SYSTEM AND METHOD  
 (51) Int. Cl.  
*B65G 7/12* ( 2006.01 )  
*B65G 15/30* ( 2006.01 )  
*B65G 17/00* ( 2006.01 )  
*B65G 47/44* ( 2006.01 )  
*C21B 3/08* ( 2006.01 )  
*F26B 11/04* ( 2006.01 )  
*F26B 13/10* ( 2006.01 )  
 (87) WO2022/081819  
 (31) 63/092,015 (32) 15.10.20 (33) US  
 17/500,427 13.10.21 US  
 (43) 21.04.2022  
 (72) LEWIS, James, Lloyd; VOELKER, Brian; ORLEANS, Lemuel  
 (74) WRAYS PTY LTD
- 
- (71) MINTEK  
 (11) AU-A-2021338925  
 (21) 2021338925 (22) 09.09.2021  
 (54) BINDER FOR AN AGGLOMERATION PROCESS  
 (51) Int. Cl.  
*C04B 18/02* ( 2006.01 )  
*C04B 28/00* ( 2006.01 )  
*C04B 28/04* ( 2006.01 )  
*C04B 28/26* ( 2006.01 )  
*C22B 1/243* ( 2006.01 )  
*C04B 11/23* ( 2006.01 )  
 (87) WO2022/056560  
 (31) 2020/05688 (32) 14.09.20 (33) ZA  
 (43) 17.03.2022  
 (72) ROBERTSON, Stefan Walters; MX-INWA, Sibabalwe; BASSON, Petrus; NDHLALOSE, Mpumelelo Success; NXUMALO, Duduzile Nontobeko  
 (74) Halfords IP
- 
- (71) MITSUBISHI ELECTRIC CORPORATION  
 (11) AU-A-2020476563  
 (21) 2020476563 (22) 16.11.2020  
 (54) TARGET DISTANCE ESTIMATION DEVICE, RADIO WAVE DETECTION DEVICE, AND TARGET DISTANCE ESTIMATION METHOD  
 (51) Int. Cl.  
*G01S 11/02* ( 2010.01 )  
 (87) WO2022/102136

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

- (43) 19.05.2022  
 (72) TAKAHASHI, Yoshiki; TAKAHASHI, Ry-  
 uhei  
 (74) Griffith Hack
- 
- (71) MITSUBISHI HEAVY INDUSTRIES  
 THERMAL SYSTEMS, LTD.  
 (11) AU-A-2021406419  
 (21) 2021406419 (22) 16.11.2021  
 (54) TEMPERATURE MEASUREMENT  
 VALUE PROCESSING DEVICE, HEAT  
 GENERATION BODY DETECTION  
 DEVICE, TEMPERATURE MEASURE-  
 MENT VALUE PROCESSING METH-  
 OD, AND PROGRAM  
 (51) Int. Cl.  
 G01J 5/48 (2022.01)  
 G01V 8/10 (2006.01)  
 G01V 8/20 (2006.01)  
 (87) WO2022/137895  
 (31) 2020-211639 (32) 21.12.20 (33) JP  
 (43) 30.06.2022  
 (72) SASAKI Yusei; NAKAMOTO Yohei;  
 ADACHI Takehiro; NUNOME Yoshinori;  
 MASHIKO Kodai  
 (74) PHILLIPS ORMONDE FITZPATRICK
- 
- (71) MOWGLI INNOVATIONS LTD  
 (11) AU-A-2021332107  
 (21) 2021332107 (22) 18.08.2021  
 (54) FINGER RECEPTACLE AND HOLD-  
 ING DEVICE  
 (51) Int. Cl.  
 A61B 5/15 (2006.01)  
 A61B 5/151 (2006.01)  
 A61B 5/155 (2006.01)  
 (87) WO2022/043660  
 (31) 2013379.9 (32) 26.08.20 (33) GB  
 (43) 03.03.2022  
 (72) HAINES, Arnaud; HAINES, Georges;  
 ZOCHER, Sebastian  
 (74) FB Rice Pty Ltd
- 
- (71) MULTIBUS LTD  
 (11) AU-A-2021336658  
 (21) 2021336658 (22) 30.08.2021  
 (54) BOOM HEAD ASSEMBLY FOR AN  
 ELECTRIC OR HYBRID VEHICLE  
 (51) Int. Cl.  
 B60L 5/24 (2006.01)  
 B60L 5/04 (2006.01)  
 B60L 5/12 (2006.01)  
 B60L 5/22 (2006.01)  
 B60L 50/53 (2019.01)  
 (87) WO2022/047528  
 (31) 2020903185 (32) 04.09.20 (33) AU  
 (43) 10.03.2022  
 (72) O'HALLORAN, Terence Patrick  
 (74) Summit IP
- 
- (71) MYELOID THERAPEUTICS, INC.  
 (11) AU-A-2021347807  
 (21) 2021347807 (22) 22.09.2021  
 (54) IMPROVED METHODS AND COM-  
 POSITIONS FOR EXPRESSION OF  
 NUCLEIC ACIDS IN CELLS  
 (51) Int. Cl.
- C07K 14/705 (2006.01)  
 A61K 31/7115 (2006.01)  
 A61P 35/00 (2006.01)  
 A61P 37/06 (2006.01)  
 (87) WO2022/066757  
 (31) 63/082,388 (32) 23.09.20 (33) US  
 (43) 31.03.2022  
 (72) GETTS, Daniel; WANG, Yuxiao; BIS-  
 ARIA, Namita; SCHERBAKOVA, Inna;  
 ROWLEY JR., William F.  
 (74) Spruson & Ferguson
- 
- (71) MYOKARDIA, INC.  
 (11) AU-A-2021334316  
 (21) 2021334316 (22) 26.08.2021  
 (54) METHODS OF TREATMENT WITH  
 MYOSIN MODULATOR  
 (51) Int. Cl.  
 A61K 31/135 (2006.01)  
 A61K 31/513 (2006.01)  
 A61P 9/00 (2006.01)  
 A61P 9/04 (2006.01)  
 (87) WO2022/047004  
 (31) 63/072,094 (32) 28.08.20 (33) US  
 (43) 03.03.2022  
 (72) SEHNERT, Amy; EDELBERG, Jay M.  
 (74) AJ PARK
- 
- (71) NANJING NUTRABUILDING BIO-  
 TECH CO., LTD.  
 (11) AU-A-2021365292  
 (21) 2021365292 (22) 21.10.2021  
 (54) METHODS FOR IMPROVING EXER-  
 CISE PERFORMANCE AND ENDUR-  
 ANCE THEREOF  
 (51) Int. Cl.  
 A61K 31/60 (2006.01)  
 (87) WO2022/083685  
 (31) PCT/  
 CN2020/122334 (32) 21.10.20 (33) CN  
 (43) 28.04.2022  
 (72) FAN, Qiru; LIAO, Kylin; WANG, Mingru  
 (74) Madderns Pty Ltd
- 
- (71) NANOSTRING TECHNOLOGIES, INC.  
 (11) AU-A-2021343471  
 (21) 2021343471 (22) 16.09.2021  
 (54) CHEMICAL COMPOSITIONS AND  
 METHODS OF USING THE SAME  
 (51) Int. Cl.  
 C12Q 1/6841 (2018.01)  
 (87) WO2022/060967  
 (31) 63/078,965 (32) 16.09.20 (33) US  
 (43) 24.03.2022  
 (72) WU, Lidian; KIM, Dae; DUNAWAY,  
 Dwayne L.; HE, Shanshan; LEE, Isabel;  
 BEECHEM, Joseph  
 (74) FPA Patent Attorneys Pty Ltd
- 
- (71) NEURINNOV; CENTRE NATIONAL  
 DE LA RECHERCHE SCIENTIFIQUE;  
 INRIA - INSTITUT NATIONAL DE  
 RECHERCHE EN INFORMATIQUE ET  
 EN AUTOMATIQUE; UNIVERSITÉ DE  
 MONTPELLIER  
 (11) AU-A-2021350489  
 (21) 2021350489 (22) 24.09.2021
- (54) ACTIVE IMPLANTABLE MEDICAL  
 DEVICE  
 (51) Int. Cl.  
 H04B 5/00 (2006.01)  
 A61N 1/372 (2006.01)  
 H02J 7/00 (2006.01)  
 H02J 50/10 (2016.01)  
 (87) WO2022/064153  
 (31) FR2009787 (32) 25.09.20 (33) FR  
 (43) 31.03.2022  
 (72) ANDREU, David; GUIRAUD, David;  
 SORLI, Brice; VENA, Arnaud  
 (74) FPA Patent Attorneys Pty Ltd
- 
- (71) NICOVENTURES TRADING LIMITED;  
 RAI STRATEGIC HOLDINGS, INC.  
 (11) AU-A-2021347760  
 (21) 2021347760 (22) 24.09.2021  
 (54) FORMULATION  
 (51) Int. Cl.  
 A24B 15/16 (2020.01)  
 A24B 15/167 (2020.01)  
 A24B 15/30 (2006.01)  
 A24F 40/42 (2020.01)  
 A61K 31/352 (2006.01)  
 A61K 36/185 (2006.01)  
 A61K 47/10 (2017.01)  
 A61K 47/14 (2017.01)  
 A61K 47/22 (2006.01)  
 (87) WO2022/064204  
 (31) 63/198,025 (32) 24.09.20 (33) US  
 63/201,138 14.04.21 US  
 (43) 31.03.2022  
 (72) DAVIS, Michael Foster; JOHNSON, Sa-  
 vannah; KAWAMURA, Rei; HUGHES,  
 Alice; MCQUILLAN, Karina; SOLECH-  
 NIK, Nickolai  
 (74) Spruson & Ferguson
- 
- (71) NICOVENTURES TRADING LIMITED;  
 RAI STRATEGIC HOLDINGS, INC  
 (11) AU-A-2021348345  
 (21) 2021348345 (22) 24.09.2021  
 (54) PACKAGED FORMULATION  
 (51) Int. Cl.  
 A24B 15/16 (2020.01)  
 A24B 15/167 (2020.01)  
 A24B 15/30 (2006.01)  
 A24F 40/42 (2020.01)  
 A61K 31/352 (2006.01)  
 A61K 36/185 (2006.01)  
 A61K 47/10 (2017.01)  
 A61K 47/14 (2017.01)  
 A61K 47/22 (2006.01)  
 B65D 81/20 (2006.01)  
 (87) WO2022/064203  
 (31) 63/198,026 (32) 24.09.20 (33) US  
 63/201,139 14.04.21 US  
 (43) 31.03.2022  
 (72) DAVIS, Michael Foster; HUGHES,  
 Alice; KAWAMURA, Rei; JOHNSON,  
 Savannah; MCQUILLAN, Karina;  
 SOLECHNIK, Nickolai  
 (74) Spruson & Ferguson
- 
- (71) NINGBO INSTITUTE OF MATERIALS  
 TECHNOLOGY AND ENGINEERING,  
 CHINESE ACADEMY OF SCIENCES  
 (11) AU-A-2021427255

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

- (21) 2021427255 (22) 01.03.2021  
 (54) HIGH-ENTROPY POSITIVE ELECTRODE MATERIAL, AND PREPARATION METHOD THEREFOR AND APPLICATION THEREOF  
 (51) Int. Cl.  
**H01M 4/1315** ( 2010.01 )  
**H01M 4/13915** ( 2010.01 )  
 (87) WO2022/170648  
 (31) 202110183314.X (32) 10.02.21 (33) CN  
 (43) 18.08.2022  
 (72) GU, Qingwen; SAIXI, Yaletu; QIU, Bao; LIU, Zhaoping  
 (74) Davies Collison Cave Pty Ltd
- 
- (71) NIPPON BEET SUGAR MANUFACTURING CO.,LTD.  
 (11) AU-A-2021334278  
 (21) 2021334278 (22) 04.03.2021  
 (54) METHOD FOR CONTROLLING DECOMPOSITION OF CORROSION-RESISTANT PAPER  
 (51) Int. Cl.  
**D21H 19/12** ( 2006.01 )  
**A01G 9/029** ( 2018.01 )  
**A01G 13/00** ( 2006.01 )  
**D21H 21/38** ( 2006.01 )  
 (87) WO2022/044387  
 (31) 2020-141809 (32) 25.08.20 (33) JP  
 (43) 03.03.2022  
 (72) NAKAGAWA, Takuya; OTA, Yasuomi; OKUHAMA, Yoshiaki; NAKAO, Seiichiro  
 (74) Spruson & Ferguson
- 
- (71) NUCHIDO LIMITED  
 (11) AU-A-2021339038  
 (21) 2021339038 (22) 08.09.2021  
 (54) SENOLYTIC COMPOUNDS AND COMPOSITIONS  
 (51) Int. Cl.  
**A61K 8/06** ( 2006.01 )  
**A61K 8/34** ( 2006.01 )  
**A61K 8/49** ( 2006.01 )  
**A61K 8/67** ( 2006.01 )  
**A61K 31/05** ( 2006.01 )  
**A61K 31/31** ( 2006.01 )  
**A61K 31/352** ( 2006.01 )  
**A61K 31/353** ( 2006.01 )  
**A61K 31/426** ( 2006.01 )  
**A61K 31/455** ( 2006.01 )  
**A61K 31/5415** ( 2006.01 )  
**A61K 31/609** ( 2006.01 )  
**A61K 36/575** ( 2006.01 )  
**A61P 17/00** ( 2006.01 )  
**A61P 19/02** ( 2006.01 )  
**A61P 43/00** ( 2006.01 )  
**A61Q 19/08** ( 2006.01 )  
 (87) WO2022/053800  
 (31) 2014160.2 (32) 09.09.20 (33) GB  
 (43) 17.03.2022  
 (72) CONLON, Nichola Jane; YOUNG, Malcolm Philip  
 (74) PIPERS
- 
- (71) NYXOAH SA  
 (11) AU-A-2020468179  
 (21) 2020468179 (22) 18.09.2020
- 
- (54) PAIR OF INTELLIGENT ELECTRIC CONDUCTORS  
 (51) Int. Cl.  
**A61N 1/36** ( 2006.01 )  
**A61N 1/372** ( 2006.01 )  
**A61N 1/375** ( 2006.01 )  
 (87) WO2022/058024  
 (43) 24.03.2022  
 (72) VOSSENBERG, Marcel; BERVOETS, Wim; RAJE, Milind, Chandrakant; VAN DEN HEUVEL, Koen, Erik  
 (74) FB Rice Pty Ltd
- 
- (71) O2 PARTNERS, LLC  
 (11) AU-A-2021379913  
 (21) 2021379913 (22) 16.11.2021  
 (54) RECYCLABLE, BIODEGRADABLE, AND INDUSTRIALLY COMPOSTABLE EXTRUDED FOAMS, AND METHODS OF MANUFACTURING THE SAME  
 (51) Int. Cl.  
**B29C 48/02** ( 2019.01 )  
**B29C 48/00** ( 2019.01 )  
**B29C 48/265** ( 2019.01 )  
 (87) WO2022/104250  
 (31) 63/114,051 (32) 16.11.20 (33) US  
 (43) 19.05.2022  
 (72) FALKEN, Robert  
 (74) Spruson & Ferguson
- 
- (71) OATEY CO.  
 (11) AU-A-2021347278  
 (21) 2021347278 (22) 22.09.2021  
 (54) SOLVENT CEMENT FORMULATIONS  
 (51) Int. Cl.  
**B29C 65/48** ( 2006.01 )  
**C08J 5/12** ( 2006.01 )  
**C09J 127/06** ( 2006.01 )  
**F16L 47/02** ( 2006.01 )  
 (87) WO2022/066684  
 (31) 17/029,614 (32) 23.09.20 (33) US  
 (43) 31.03.2022  
 (72) PARHAR, Amrit; PEREZ, Willie J.  
 (74) Spruson & Ferguson
- 
- (71) OFFICINE MACCAFERRI S.P.A.  
 (11) AU-A-2021336825  
 (21) 2021336825 (22) 31.08.2021  
 (54) GABION TYPE PROTECTION STRUCTURE  
 (51) Int. Cl.  
**E02D 17/20** ( 2006.01 )  
**E02B 3/12** ( 2006.01 )  
 (87) WO2022/049477  
 (31) 10202000020947 (32) 03.09.20 (33) IT  
 (43) 10.03.2022  
 (72) BIANCHINI, Paolo  
 (74) FB Rice Pty Ltd
- 
- (71) OKTO Grid ApS  
 (11) AU-A-2021332948  
 (21) 2021332948 (22) 30.08.2021  
 (54) METHOD AND DEVICE FOR ANALYSING THE STATE, CONDITION AND POWER QUALITY OF TRANSFORMERS IN POWER GRIDS  
 (51) Int. Cl.
- 
- G01H 1/00** ( 2006.01 )  
**G01R 31/62** ( 2020.01 )  
 (87) WO2022/042812  
 (31) PA 2020 70562 (32) 31.08.20 (33) DK  
 (43) 03.03.2022  
 (72) SADEGHNIA, Golam Reza Wöhlk; DIDIER, Paul Henri Marcel; JOHANSSON, Rasmus Per; FILTENBORG, Anders  
 (74) WRAYS PTY LTD
- 
- (71) ONE1STAR SOLUTIONS LIMITED  
 (11) AU-A-2021339040  
 (21) 2021339040 (22) 08.09.2021  
 (54) COMPOSITE FORM OF TETRAACETYLENEDIAMINE  
 (51) Int. Cl.  
**C07C 233/36** ( 2006.01 )  
**C11D 3/39** ( 2006.01 )  
 (87) WO2022/053804  
 (31) 2014070.3 (32) 08.09.20 (33) GB  
 (43) 17.03.2022  
 (72) YAQOOB, Mohammed; YAQOOB, Samaira  
 (74) WRAYS PTY LTD
- 
- (71) ORB MUSIC INC.  
 (11) AU-A-2021345506  
 (21) 2021345506 (22) 16.09.2021  
 (54) AEROPHONE INSTRUMENT USING AIR-FILLED OBJECT  
 (51) Int. Cl.  
**G10D 9/00** ( 2020.01 )  
**G10B 1/00** ( 2006.01 )  
**G10D 11/00** ( 2006.01 )  
 (87) WO2022/056635  
 (31) 63/079,896 (32) 17.09.20 (33) US  
 (43) 24.03.2022  
 (72) BAGATAVICIUS, Adam Jason; MACDONALD, Jamus Adrian  
 (74) WRAYS PTY LTD
- 
- (71) ORIGIANT PHARMACEUTICAL CO., LTD  
 (11) AU-A-2021341865  
 (21) 2021341865 (22) 02.09.2021  
 (54) 5-SUBSTITUTED INDOLE 3-AMIDE DERIVATIVE, PREPARATION METHOD AND USE THEREOF  
 (51) Int. Cl.  
**C07D 403/06** ( 2006.01 )  
**A61K 31/404** ( 2006.01 )  
**A61P 29/00** ( 2006.01 )  
 (87) WO2022/052861  
 (31) 202010943478.3 (32) 09.09.20 (33) CN  
 202110426935.6 20.04.21 CN  
 (43) 17.03.2022  
 (72) YANG, Shengyong; LI, Linli  
 (74) PHILLIPS ORMONDE FITZPATRICK
- 
- (71) OROFINO PHARMACEUTICALS GROUP SRL  
 (11) AU-A-2021342785  
 (21) 2021342785 (22) 15.09.2021  
 (54) DEFORMABLE PRE-PACKAGED DEVICE FOR INJECTING A LIQUID  
 (51) Int. Cl.

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

- A61M 5/28** ( 2006.01 )  
**A61M 5/31** ( 2006.01 )  
**B65D 81/32** ( 2006.01 )  
**(87)** WO2022/058906  
**(31)** 10202000022168 **(32)** 21.09.20 **(33)** IT  
**(43)** 24.03.2022  
**(72)** OROFINO, Ernesto  
**(74)** PHILLIPS ORMONDE FITZPATRICK
- 
- (71)** OXFORD GENETICS LIMITED; OXFORD UNIVERSITY INNOVATION LIMITED  
**(11)** AU-A-2021327855  
**(21)** 2021327855 **(22)** 20.08.2021  
**(54)** METHOD OF MAKING RECOMBINANT AAVS  
**(51)** Int. Cl.  
**C12N 15/86** ( 2006.01 )  
**(87)** WO2022/038369  
**(31)** 2013057.1 **(32)** 21.08.20 **(33)** GB  
**(43)** 24.02.2022  
**(72)** CAWOOD, Ryan; SU, Weiheng  
**(74)** FB Rice Pty Ltd
- 
- (71)** PANOTEC S.R.L.  
**(11)** AU-A-2021366446  
**(21)** 2021366446 **(22)** 21.10.2021  
**(54)** STACK OF LAMINAR MATERIAL FOR FORMING PACKAGES AND METHOD OF USE  
**(51)** Int. Cl.  
**B31B 50/02** ( 2017.01 )  
**B65B 41/02** ( 2006.01 )  
**B65H 45/101** ( 2006.01 )  
**(87)** WO2022/084899  
**(31)** 10202000024862 **(32)** 21.10.20 **(33)** IT  
**(43)** 28.04.2022  
**(72)** CAPOIA, Giuseppe  
**(74)** Spruson & Ferguson
- 
- (71)** PARAGON ADVANCED TECHNOLOGIES, INC.; DOTY, J.F.  
**(11)** AU-A-2021329392  
**(21)** 2021329392 **(22)** 20.08.2021  
**(54)** WHOLE TALUS IMPLANT AND METHOD  
**(51)** Int. Cl.  
**A61F 2/42** ( 2006.01 )  
**A61F 2/46** ( 2006.01 )  
**B33Y 50/00** ( 2015.01 )  
**B33Y 80/00** ( 2015.01 )  
**(87)** WO2022/040538  
**(31)** 63/068,182 **(32)** 20.08.20 **(33)** US  
**(43)** 24.02.2022  
**(72)** DOTY, Jesse F.; KOWALCZYK, Gregory J.; BERLOTTI, Luciano; PAREKH, Selene G.  
**(74)** PHILLIPS ORMONDE FITZPATRICK
- 
- (71)** PARAGON ADVANCED TECHNOLOGIES, INC.  
**(11)** AU-A-2021329641  
**(21)** 2021329641 **(22)** 23.08.2021  
**(54)** IMPLANT FOR FOCAL TALUS DEFECTS AND METHOD  
**(51)** Int. Cl.  
**A61F 2/42** ( 2006.01 )
- 
- A61B 17/15** ( 2006.01 )  
**A61B 17/92** ( 2006.01 )  
**A61F 2/46** ( 2006.01 )  
**(87)** WO2022/040623  
**(31)** 63/068,425 **(32)** 21.08.20 **(33)** US  
**(43)** 24.02.2022  
**(72)** PERLER, Adam D.; KOWALCZYK, Gregory J.; KENNISON, Carissa E.; DEORIO, James K.; BERLOTTI, Luciano  
**(74)** PHILLIPS ORMONDE FITZPATRICK
- 
- (71)** PAUL WURTH S.A.  
**(11)** AU-A-2021342670  
**(21)** 2021342670 **(22)** 14.09.2021  
**(54)** CHARGING SYSTEM FOR A METALLURGICAL FURNACE  
**(51)** Int. Cl.  
**C21B 7/20** ( 2006.01 )  
**C21C 5/46** ( 2006.01 )  
**C21C 5/52** ( 2006.01 )  
**F27D 3/00** ( 2006.01 )  
**F27D 3/10** ( 2006.01 )  
**F27D 19/00** ( 2006.01 )  
**(87)** WO2022/058317  
**(31)** LU102071 **(32)** 18.09.20 **(33)** LU  
**(43)** 24.03.2022  
**(72)** HUTMACHER, Patrick; THINNES, Claude; STEICHEN, Charles  
**(74)** WRAYS PTY LTD
- 
- (71)** PAYPAL, INC.  
**(11)** AU-A-2021358028  
**(21)** 2021358028 **(22)** 05.10.2021  
**(54)** DELAYED USER AUTHENTICATION  
**(51)** Int. Cl.  
**H04L 9/32** ( 2006.01 )  
**H04L 51/046** ( 2022.01 )  
**H04W 4/14** ( 2009.01 )  
**H04W 12/06** ( 2021.01 )  
**(87)** WO2022/076393  
**(31)** 17/066,164 **(32)** 08.10.20 **(33)** US  
**(43)** 14.04.2022  
**(72)** NAIR, Rahul  
**(74)** FPA Patent Attorneys Pty Ltd
- 
- (71)** PEDRAZZINI CHIMICA S.R.L.  
**(11)** AU-A-2021330523  
**(21)** 2021330523 **(22)** 23.08.2021  
**(54)** ADDITIVE TO REDUCE PARTICULATE MATTER IN EMISSIONS DERIVING FROM THE COMBUSTION OF DIESEL FUEL AND FUEL OIL AND FUEL COMPOSITION THAT CONTAINS IT  
**(51)** Int. Cl.  
**C10L 1/10** ( 2006.01 )  
**C10L 10/02** ( 2006.01 )  
**C10L 1/16** ( 2006.01 )  
**C10L 1/188** ( 2006.01 )  
**C10L 1/222** ( 2006.01 )  
**C10L 1/223** ( 2006.01 )  
**C10L 1/224** ( 2006.01 )  
**C10L 1/23** ( 2006.01 )  
**C10L 1/24** ( 2006.01 )  
**C10L 1/30** ( 2006.01 )  
**(87)** WO2022/043849  
**(31)** 10202000020368 **(32)** 24.08.20 **(33)** IT
- 
- (43)** 03.03.2022  
**(72)** PEDRAZZINI, Cesare  
**(74)** PHILLIPS ORMONDE FITZPATRICK
- 
- (71)** PFIZER INC.; CHILDREN'S MEDICAL CENTER CORPORATION  
**(11)** AU-A-2021358662  
**(21)** 2021358662 **(22)** 07.10.2021  
**(54)** CD1a ANTIBODIES AND USES THEREOF  
**(51)** Int. Cl.  
**A61P 17/00** ( 2006.01 )  
**A61P 37/00** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )  
**(87)** WO2022/077021  
**(31)** 63/090,055 **(32)** 09.10.20 **(33)** US  
**(43)** 14.04.2022  
**(72)** WINAU, Florian; KOVALENKO, Oleg V.; CHANG, Chew Shun; WU, Di; MARZE, Nicholas Andrew; CHIANG, Shi-an-Huey  
**(74)** Spruson & Ferguson
- 
- (71)** PHARMA MAR, S.A.  
**(11)** AU-A-2020466790  
**(21)** 2020466790 **(22)** 04.09.2020  
**(54)** COMBINATION OF LURBINECTIN AND IMMUNE CHECKPOINT INHIBITOR  
**(51)** Int. Cl.  
**A61K 31/49** ( 2006.01 )  
**G01N 33/00** ( 2006.01 )  
**(87)** WO2022/048775  
**(43)** 10.03.2022  
**(72)** KROEMER, Guido; KEPP, Oliver  
**(74)** WRAYS PTY LTD
- 
- (71)** PH DIGITAL VENTURES UK LIMITED  
**(11)** AU-A-2021339651  
**(21)** 2021339651 **(22)** 08.09.2021  
**(54)** PROVIDING IMPROVEMENT RECOMMENDATIONS FOR PREPARING A PRODUCT  
**(51)** Int. Cl.  
**G06Q 10/06** ( 2023.01 )  
**G06Q 30/02** ( 2023.01 )  
**(87)** WO2022/056016  
**(31)** 17/015,952 **(32)** 09.09.20 **(33)** US  
**(43)** 17.03.2022  
**(72)** DE PREZ, David Pierre; AWADALLAH, Sara  
**(74)** FPA Patent Attorneys Pty Ltd
- 
- (71)** Phisagen Corporation; Omotola, A.  
**(11)** AU-A-2021280374  
**(21)** 2021280374 **(22)** 22.06.2021  
**(54)** Scraper sponge  
**(51)** Int. Cl.  
**A47L 13/12** ( 2006.01 )  
**A47L 13/08** ( 2006.01 )  
**A47L 13/16** ( 2006.01 )  
**(87)** WO2021/243381  
**(31)** 63/102,051 **(32)** 29.05.20 **(33)** US  
**(43)** 02.12.2021  
**(72)** OMOTOLA, Alahandro O.  
**(74)** Wallington-Dummer

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

(71) PHILIP MORRIS PRODUCTS S.A.  
 (11) AU-A-2021346827  
 (21) 2021346827 (22) 21.09.2021  
 (54) STACKED SUSCEPTOR STRUCTURE  
 (51) Int. Cl.  
     A24F 40/465 ( 2020.01 )  
     A24F 40/44 ( 2020.01 )  
     A24F 40/10 ( 2020.01 )  
 (87) WO2022/063796  
 (31) 20197780.8 (32) 23.09.20 (33) EP  
 (43) 31.03.2022  
 (72) FREDERICK, Guillaume  
 (74) James & Wells Intellectual Property

(71) PHILIP MORRIS PRODUCTS S.A.  
 (11) AU-A-2021347437  
 (21) 2021347437 (22) 21.09.2021  
 (54) AN INDUCTIVELY HEATED AEROSOL-GENERATING SYSTEM PROVIDING EFFICIENT AND CONSISTENT HEATING OF A PLANAR SUSCEPTOR ELEMENT  
 (51) Int. Cl.  
     A24F 40/465 ( 2020.01 )  
     A24F 40/44 ( 2020.01 )  
     A24F 40/10 ( 2020.01 )  
 (87) WO2022/063797  
 (31) 20197772.5 (32) 23.09.20 (33) EP  
 (43) 31.03.2022  
 (72) FREDERICK, Guillaume  
 (74) James & Wells Intellectual Property

(71) PHILIP MORRIS PRODUCTS S.A.  
 (11) AU-A-2021357355  
 (21) 2021357355 (22) 07.10.2021  
 (54) AN AEROSOL-FORMING SUBSTRATE  
 (51) Int. Cl.  
     A24B 15/16 ( 2020.01 )  
     A24B 15/30 ( 2006.01 )  
 (87) WO2022/074157  
 (31) 20200643.3 (32) 07.10.20 (33) EP  
 (43) 14.04.2022  
 (72) GAMBS, Celine; VOLLMER, Jean-Yves  
 (74) James & Wells Intellectual Property

(71) PHILIP MORRIS PRODUCTS S.A.  
 (11) AU-A-2021357750  
 (21) 2021357750 (22) 07.10.2021  
 (54) AEROSOL GENERATING ARTICLE WITH FRONT END PLUG  
 (51) Int. Cl.  
     A24D 1/20 ( 2020.01 )  
 (87) WO2022/074131  
 (31) 20201052.6 (32) 09.10.20 (33) EP  
 (43) 14.04.2022  
 (72) CAMPITELLI, Gennaro; UTHURRY, Jerome  
 (74) James & Wells Intellectual Property

(71) PHILIP MORRIS PRODUCTS S.A.  
 (11) AU-A-2021358289  
 (21) 2021358289 (22) 26.08.2021

(54) AEROSOL-GENERATING ARTICLE HAVING A VENTILATED CAVITY AND AN UPSTREAM ELEMENT  
 (51) Int. Cl.  
     A24D 1/20 ( 2020.01 )  
     A24F 40/20 ( 2020.01 )  
     A61M 11/04 ( 2006.01 )  
     A61M 15/06 ( 2006.01 )  
 (87) WO2022/073690  
 (31) 20201041.9 (32) 09.10.20 (33) EP  
     20201046.8 09.10.20 EP  
     20201125.0 09.10.20 EP  
     20201025.2 09.10.20 EP  
     20201052.6 09.10.20 EP  
     20201137.5 09.10.20 EP  
 (43) 14.04.2022  
 (72) UTHURRY, Jerome  
 (74) James & Wells Intellectual Property

(71) PHOTON VAULT, LLC  
 (11) AU-A-2021336216  
 (21) 2021336216 (22) 27.06.2021  
 (54) THERMAL ENERGY STORAGE AND RETRIEVAL SYSTEM  
 (51) Int. Cl.  
     F28D 17/02 ( 2006.01 )  
     C09K 5/10 ( 2006.01 )  
     F28D 15/04 ( 2006.01 )  
     F28F 13/00 ( 2006.01 )  
     F28F 21/02 ( 2006.01 )  
 (87) WO2022/051018  
 (31) 17/012,621 (32) 04.09.20 (33) US  
 (43) 10.03.2022  
 (72) MCCORMICK, Kentwell, Lee  
 (74) Davies Collison Cave Pty Ltd

(71) PHYNEXUS, INC.  
 (11) AU-A-2021357799  
 (21) 2021357799 (22) 06.10.2021  
 (54) SEPARATION DEVICE AND METHOD OF SEPARATION  
 (51) Int. Cl.  
     B01L 3/02 ( 2006.01 )  
 (87) WO2022/076543  
 (31) 63/087,996 (32) 06.10.20 (33) US  
     63/166,431 26.03.21 US  
 (43) 14.04.2022  
 (72) GO, Gihoon; APLAON, Don, B.; HUANG, Fanny; GJERDE, Douglas, T.  
 (74) Davies Collison Cave Pty Ltd

(71) PNEUMA THERAPEUTICS, INC.  
 (11) AU-A-2021345422  
 (21) 2021345422 (22) 21.09.2021  
 (54) NASAL RESPIRATORY APPARATUS HAVING NASAL DAM  
 (51) Int. Cl.  
     A61M 16/06 ( 2006.01 )  
     A61B 5/08 ( 2006.01 )  
     A61B 5/087 ( 2006.01 )  
     A61B 5/097 ( 2006.01 )  
     A61M 15/08 ( 2006.01 )  
     A62B 18/02 ( 2006.01 )  
 (87) WO2022/061268  
 (31) 63/081,100 (32) 21.09.20 (33) US  
 (43) 24.03.2022  
 (72) KANE, David M.  
 (74) Pizzeyes Patent and Trade Mark Attorneys Pty Ltd

(71) POPSOCKETS LLC  
 (11) AU-A-2021362204  
 (21) 2021362204 (22) 13.10.2021  
 (54) MAGNETIC GRIP ACCESSORY  
 (51) Int. Cl.  
     H04M 1/04 ( 2006.01 )  
     A45C 13/10 ( 2006.01 )  
     B60R 11/02 ( 2006.01 )  
     F16M 13/02 ( 2006.01 )  
     H01F 7/00 ( 2006.01 )  
     H01R 13/62 ( 2006.01 )  
 (87) WO2022/081746  
 (31) 63/091,300 (32) 13.10.20 (33) US  
     63/091,297 13.10.20 US  
     63/091,302 13.10.20 US  
     63/091,908 14.10.20 US  
 (43) 21.04.2022

(72) CHIANG, Randy Yang; FONG, Lawrence Herman; KORY, Michael; CZARNECKI, David; VON BARGEN, Nicholas; CHEN, Yinju; NAHUM, Altan  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) PPG INDUSTRIES OHIO, INC.  
 (11) AU-A-2021347181  
 (21) 2021347181 (22) 16.09.2021  
 (54) TINT PASTE  
 (51) Int. Cl.  
     C09D 7/45 ( 2018.01 )  
     C09D 17/00 ( 2006.01 )  
 (87) WO2022/066497  
 (31) 63/082,988 (32) 24.09.20 (33) US  
 (43) 31.03.2022  
 (72) BELLETTI, Antonio; COLWELL, Nadine D.  
 (74) Minter Ellison

(71) PRECISION BIOSCIENCES, INC.  
 (11) AU-A-2021329403  
 (21) 2021329403 (22) 20.08.2021  
 (54) ENGINEERED MEGANUCLEASES HAVING SPECIFICITY FOR A RECOGNITION SEQUENCE IN THE TRANSTHYRETIN GENE  
 (51) Int. Cl.  
     C12N 9/22 ( 2006.01 )  
     A61K 38/46 ( 2006.01 )  
     C07K 14/47 ( 2006.01 )  
     C12N 15/10 ( 2006.01 )  
     C12N 15/90 ( 2006.01 )  
 (87) WO2022/040582  
 (31) 63/068,965 (32) 21.08.20 (33) US  
 (43) 24.02.2022  
 (72) GORSUCH, Cassandra; GENSCHER, Jochen; LAPE, Janel; JANTZ, Derek; SMITH, James Jefferson  
 (74) Davies Collison Cave Pty Ltd

(71) PREMIER SPECIALTY BRANDS, LLC  
 (11) AU-A-2021344915  
 (21) 2021344915 (22) 24.08.2021  
 (54) INTEGRATED KAMADO-STYLE GRILL AND SMOKER  
 (51) Int. Cl.  
     A47J 37/07 ( 2006.01 )  
 (87) WO2022/060540



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

- (31) 63/081,198 (32) 21.09.20 (33) US  
(43) 24.03.2022  
(72) CARTER, Adam; GAZDICK, Donald, Stephen III; MERCER, Daniel; PRUITT, Joseph; AASNESS, Kyle  
(74) Minter Ellison
- 
- (71) PRESIDENT AND FELLOWS OF HARVARD COLLEGE; FREEMAN, G.J.  
(11) AU-A-2021344422  
(21) 2021344422 (22) 16.09.2021  
(54) METHODS OF TREATING AN INDIVIDUAL THAT HAS FAILED AN ANTI-PD-1/ANTI-PD-L1 THERAPY  
(51) Int. Cl.  
A61P 35/00 (2006.01)  
C07K 16/22 (2006.01)  
C07K 16/28 (2006.01)  
A61K 39/00 (2006.01)  
(87) WO2022/060986  
(31) 63/165,574 (32) 24.03.21 (33) US  
63/079,245 16.09.20 US  
(43) 24.03.2022  
(72) FREEMAN, Gordon J.; GAZZANIGA, Francesca, S.; PARK, Joon, Seok; SHARPE, Arlene, H.; KASPER, Dennis  
(74) Spruson & Ferguson
- 
- (71) PROSCIA INC.  
(11) AU-A-2021349226  
(21) 2021349226 (22) 22.09.2021  
(54) CRITICAL COMPONENT DETECTION USING DEEP LEARNING AND ATTENTION  
(51) Int. Cl.  
G05B 13/02 (2006.01)  
G05B 13/04 (2006.01)  
G05B 19/02 (2006.01)  
G06T 1/00 (2006.01)  
G06T 5/50 (2006.01)  
G06T 7/60 (2017.01)  
(87) WO2022/066736  
(31) 63/082,125 (32) 23.09.20 (33) US  
(43) 31.03.2022  
(72) IANNI, Julianna; SOANS, Rajath, Elias; AYYAGARI, Kameswari, Devi; KOHN, Saul  
(74) Michael Buck IP
- 
- (71) PURINOMIA BIOTECH, INC.  
(11) AU-A-2021339758  
(21) 2021339758 (22) 10.09.2021  
(54) METHODS AND COMPOSITIONS FOR POTENTIATING ANTITUMORAL IMMUNE RESPONSES THROUGH TARGETING OF NTPDASE3  
(51) Int. Cl.  
A61K 39/00 (2006.01)  
A61K 39/395 (2006.01)  
C12N 9/14 (2006.01)  
(87) WO2022/056200  
(31) 63/076,427 (32) 10.09.20 (33) US  
(43) 17.03.2022  
(72) SHANG, Yan, Wu  
(74) Davies Collison Cave Pty Ltd
- 
- (71) QIAGEN GMBH  
(11) AU-A-2021356108  
(21) 2021356108 (22) 06.10.2021  
(54) EXTRACTION SOLUTION FOR PREPARING A BIOLOGICAL SAMPLE FOR AMPLIFICATION BASED PATHOGEN DETECTION  
(51) Int. Cl.  
C12Q 1/6806 (2018.01)  
(87) WO2022/074087  
(31) 20200426.3 (32) 06.10.20 (33) EP  
20200425.5 06.10.20 EP  
63/088,423 06.10.20 US  
20214412.7 16.12.20 EP  
(43) 14.04.2022  
(72) VRANES, Mirsolav; HOCHSTEIN, Norbert; PEIST, Ralf; CORNELIUS, Stefan; SINGER, Thorsten; STEINERT, Kerstin; TE KAAT, Kai  
(74) Davies Collison Cave Pty Ltd
- 
- (71) QIAGEN GMBH  
(11) AU-A-2021357742  
(21) 2021357742 (22) 06.10.2021  
(54) PATHOGEN DETECTION METHOD  
(51) Int. Cl.  
C12Q 1/68 (2018.01)  
(87) WO2022/074089  
(31) 63/088,423 (32) 06.10.20 (33) US  
20200426.3 06.10.20 EP  
20200425.5 06.10.20 EP  
20214412.7 16.12.20 EP  
(43) 14.04.2022  
(72) VRANES, Miroslav; HOCHSTEIN, Norbert; PEIST, Ralf; CORNELIUS, Stefan; SINGER, Thorsten; STEINERT, Kerstin; TE KAAT, Kai  
(74) Davies Collison Cave Pty Ltd
- 
- (71) QUELL THERAPEUTICS LIMITED  
(11) AU-A-2021335027  
(21) 2021335027 (22) 27.08.2021  
(54) NUCLEIC ACID CONSTRUCTS FOR EXPRESSING POLYPEPTIDES IN CELLS  
(51) Int. Cl.  
C07K 14/435 (2006.01)  
A61K 35/17 (2015.01)  
C07K 14/725 (2006.01)  
(87) WO2022/043483  
(31) 2013477.1 (32) 27.08.20 (33) GB  
(43) 03.03.2022  
(72) MCGOVERN, Jenny  
(74) FB Rice Pty Ltd
- 
- (71) R.G.C.C. HOLDINGS AG  
(11) AU-A-2021359771  
(21) 2021359771 (22) 12.10.2021  
(54) SARS-COV-2 VACCINES  
(51) Int. Cl.  
A61K 39/12 (2006.01)  
A61P 31/14 (2006.01)  
A61K 39/00 (2006.01)  
(87) WO2022/079029  
(31) 20201323.1 (32) 12.10.20 (33) EP  
21159603.6 26.02.21 EP
- 
- (43) 21.04.2022  
(72) PAPASOTIRIOU, Ioannis  
(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
- 
- (71) RAYTHEON COMPANY  
(11) AU-A-2021390428  
(21) 2021390428 (22) 26.07.2021  
(54) ARTICULATING INLET FOR AIR-BREATHING EXTENDED RANGE PROJECTILES AND MISSILES  
(51) Int. Cl.  
F42B 10/14 (2006.01)  
F42B 15/10 (2006.01)  
(87) WO2022/119606  
(31) 63/119,692 (32) 01.12.20 (33) US  
(43) 09.06.2022  
(72) LOTTI, Andrew J.; BURKE, Shawn P.; MESSITT, Donald G.; JONES, Jaylan S.  
(74) RnB IP Pty Ltd
- 
- (71) Real-Time Robotics Inc; Luong, Q.; Phi, Q.  
(11) AU-A-2022256157  
(21) 2022256157 (22) 17.10.2022  
(54) A multicopter  
(51) Int. Cl.  
B64C 27/08 (2006.01)  
(31) 2021250980 (32) 15.10.21 (33) AU  
2022902148 31.07.22 AU  
(43) 04.05.2023  
(72) LUONG, Quoc; PHI, QUANG  
(74) Dentons Patent Attorneys Australasia Limited
- 
- (71) RECKITT BENCKISER VANISH B.V.  
(11) AU-A-2021352098  
(21) 2021352098 (22) 28.09.2021  
(54) COMPOSITION FOR THE REMOVAL OF STAINS AND MALODOUR  
(51) Int. Cl.  
C11D 3/39 (2006.01)  
C11D 3/34 (2006.01)  
C11D 3/386 (2006.01)  
C11D 7/34 (2006.01)  
(87) WO2022/069468  
(31) 2015368.0 (32) 29.09.20 (33) GB  
(43) 07.04.2022  
(72) COMELLATO, Federico; D'ISEPPI, Andrea; FAVARO, Irene; LOPEZ, Monica; MACINO, Margherita; MONTEIRO, Thiago; QUAGGIA, Sara; SORATO, Claudia; ZAMUNER, Dora  
(74) Spruson & Ferguson
- 
- (71) REFLEX LABELS LIMITED  
(11) AU-A-2021462156  
(21) 2021462156 (22) 19.10.2021  
(54) LINERLESS LABELS  
(51) Int. Cl.  
G09F 3/10 (2006.01)  
G09F 1/02 (2006.01)  
G09F 3/02 (2006.01)  
(87) WO2023/026017  
(31) 2112079.5 (32) 23.08.21 (33) GB

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

- (43) 02.03.2023  
(72) DUDMAN, Kevin  
(74) James & Wells Intellectual Property
- 
- (71) REGENERON PHARMACEUTICALS, INC.; SANOFI BIOTECHNOLOGY  
(11) AU-A-2021337650  
(21) 2021337650 (22) 02.09.2021  
(54) METHODS OF TREATING CANCER PAIN BY ADMINISTERING A PD-1 INHIBITOR  
(51) Int. Cl.  
**A61P 35/00** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )  
(87) WO2022/051448  
(31) 63/186,375 (32) 10.05.21 (33) US  
63/074,282 03.09.20 US  
63/161,519 16.03.21 US  
21315132.7 29.07.21 EP  
(43) 10.03.2022  
(72) CHEN, Chieh-I; SASANE, Medha, R.; BURY-MAYNARD, Denise, P.  
(74) FB Rice Pty Ltd
- 
- (71) REMAB THERAPEUTICS SL  
(11) AU-A-2021341461  
(21) 2021341461 (22) 08.09.2021  
(54) GLYCOCONJUGATES AND MEDICAL USES THEREOF  
(51) Int. Cl.  
**A61K 47/64** ( 2017.01 )  
**A61P 37/00** ( 2006.01 )  
**A61P 37/08** ( 2006.01 )  
(87) WO2022/053531  
(31) 20382796.9 (32) 08.09.20 (33) EP  
(43) 17.03.2022  
(72) OLIVERA ARDID, Sara; BELLO GIL, Daniel  
(74) Spruson & Ferguson
- 
- (71) RESVERLOGIX CORP.  
(11) AU-A-2021368618  
(21) 2021368618 (22) 29.10.2021  
(54) METHODS FOR IMPROVING RENAL FUNCTION WITH A COMBINATION OF A BET BROMODOMAIN INHIBITOR AND A SODIUM DEPENDENT GLUCOSE TRANSPORT 2 INHIBITOR  
(51) Int. Cl.  
**A61K 31/517** ( 2006.01 )  
**A61K 31/351** ( 2006.01 )  
**A61K 31/381** ( 2006.01 )  
**A61P 13/12** ( 2006.01 )  
(87) WO2022/091028  
(31) 63/107,853 (32) 30.10.20 (33) US  
(43) 05.05.2022  
(72) LEBIODA, Kenneth Eugene; HALL-IDAY, Christopher Ross Armstrong; KHAN, Aziz Naeem  
(74) Spruson & Ferguson
- 
- (71) RETRACTABLE TECHNOLOGIES, INC.; SHAW, T.J.  
(11) AU-A-2021335488  
(21) 2021335488 (22) 31.08.2021
- 
- (54) MEDICAL SYRINGE WITH RETRACTABLE NEEDLE AND MODIFIED PLUNGER HANDLE WITH CONCAVE PRESSURE APPLICATION SURFACE  
(51) Int. Cl.  
**A61M 5/32** ( 2006.01 )  
**A61M 5/178** ( 2006.01 )  
**A61M 5/24** ( 2006.01 )  
**A61M 5/28** ( 2006.01 )  
(87) WO2022/051301  
(31) 17/011,713 (32) 03.09.20 (33) US  
(43) 10.03.2022  
(72) SHAW, Thomas, J.; MYERS, Hannah, Monique  
(74) Davies Collison Cave Pty Ltd
- 
- (71) RHEAVITA BV  
(11) AU-A-2021373282  
(21) 2021373282 (22) 03.11.2021  
(54) METHOD AND APPARATUS FOR FREEZING OR THAWING MIXTURES COMPRISING WATER  
(51) Int. Cl.  
**F26B 5/06** ( 2006.01 )  
**F26B 25/22** ( 2006.01 )  
(87) WO2022/096524  
(31) 2026826 (32) 04.11.20 (33) NL  
(43) 12.05.2022  
(72) CORVER, Jozef Antonius Willem Maria; VAN BOCKSTAL, Pieter-Jan Pierre  
(74) Spruson & Ferguson
- 
- (71) RHODIA OPERATIONS  
(11) AU-A-2020472085  
(21) 2020472085 (22) 16.10.2020  
(54) WATER-SOLUBLE CONCENTRATE COMPOSITION  
(51) Int. Cl.  
**A01N 39/04** ( 2006.01 )  
**A01N 25/02** ( 2006.01 )  
**A01P 13/00** ( 2006.01 )  
(87) WO2022/078615  
(43) 21.04.2022  
(72) BALASTRE, Marc; THAKUR, Sandeep; VASU, Krishna; AHUJA, Ritu  
(74) PHILLIPS ORMONDE FITZPATRICK
- 
- (71) RHYTHM PHARMACEUTICALS, INC.  
(11) AU-A-2021350017  
(21) 2021350017 (22) 24.09.2021  
(54) METHODS OF TREATING MELANOCORTIN-4 RECEPTOR PATHWAY-ASSOCIATED DISORDERS  
(51) Int. Cl.  
**A61K 38/12** ( 2006.01 )  
(87) WO2022/067086  
(31) 63/082,867 (32) 24.09.20 (33) US  
(43) 31.03.2022  
(72) VAN DER PLOEG, Leonardus H.T.; GARFIELD, Alastair; SHAH, Bhavik P.  
(74) Spruson & Ferguson
- 
- (71) RIMWEST PTY LTD  
(11) AU-A-2021346948  
(21) 2021346948 (22) 22.09.2021  
(54) THREAD CLEANING METHOD AND APPARATUS
- 
- (51) Int. Cl.  
**E04G 5/00** ( 2006.01 )  
**B08B 1/04** ( 2006.01 )  
**B08B 9/02** ( 2006.01 )  
**B23G 1/44** ( 2006.01 )  
**B23G 9/00** ( 2006.01 )  
**B23Q 1/42** ( 2006.01 )  
**B23Q 3/06** ( 2006.01 )  
**B23Q 5/10** ( 2006.01 )  
**B24B 5/04** ( 2006.01 )  
**B24B 27/00** ( 2006.01 )  
**E04G 19/00** ( 2006.01 )  
**F16B 33/06** ( 2006.01 )  
(87) WO2022/061405  
(31) 2020903396 (32) 22.09.20 (33) AU  
12021050307 08.07.21 PH  
(43) 31.03.2022  
(72) WILLIAMS, Scott  
(74) WRAYS PTY LTD
- 
- (71) ROUNDHILL IP PTY LTD  
(11) AU-A-2021361339  
(21) 2021361339 (22) 13.10.2021  
(54) PROCESS OF THERMALLY TREATING MINERALS AND APPARATUS THEREFOR  
(51) Int. Cl.  
**C22B 1/10** ( 2006.01 )  
**C22B 34/12** ( 2006.01 )  
(87) WO2022/077062  
(31) 2020903709 (32) 13.10.20 (33) AU  
(43) 21.04.2022  
(72) WINTER, John David  
(74) Griffith Hack
- 
- (71) RUAG AMMOTEC AG  
(11) AU-A-2021346145  
(21) 2021346145 (22) 05.07.2021  
(54) CARTRIDGE CASE AND METHOD AND TOOL FOR JOINING THE BOTTOM PIECE AND THE CASE JACKET OF A MULTI-PART CARTRIDGE CASE  
(51) Int. Cl.  
**F42B 5/285** ( 2006.01 )  
**F42B 33/00** ( 2006.01 )  
(87) WO2022/058062  
(31) 10 2020 124 559.9 (32) 21.09.20 (33) DE  
(43) 24.03.2022  
(72) BIEDERMANN, Peter; SPATZ, Peter  
(74) Griffith Hack
- 
- (71) RUBBERGREEN INDUSTRIE  
(11) AU-A-2021353966  
(21) 2021353966 (22) 29.09.2021  
(54) RESILIENT SOLE AND METHOD FOR MANUFACTURING SAME  
(51) Int. Cl.  
**E01B 1/00** ( 2006.01 )  
**E01B 3/46** ( 2006.01 )  
(87) WO2022/069512  
(31) BE2020/5684 (32) 02.10.20 (33) BE  
(43) 07.04.2022  
(72) PRUD'HOMME, Olivier; SEG HAR, Said  
(74) Integrated IP
- 
- (71) SAAB AB  
(11) AU-A-2021362140

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

- (21) 2021362140 (22) 13.10.2021  
 (54) A CAMOUFLAGE TAPE, AND CAMOUFLAGE TAPE SYSTEM FOR TEMPORARY MULTISPECTRAL CAMOUFLAGE OF OBJECTS  
 (51) Int. Cl.  
*C09J 7/29* ( 2018.01 )  
*B32B 15/14* ( 2006.01 )  
*B32B 15/20* ( 2006.01 )  
*C09J 7/28* ( 2018.01 )  
*F41H 3/02* ( 2006.01 )  
 (87) WO2022/081070  
 (31) 2000196-2 (32) 15.10.20 (33) SE  
 (43) 21.04.2022  
 (72) JERSBLAD, Johan  
 (74) WRAYS PTY LTD
- 
- (71) SAINT-GOBAIN ISOVER  
 (11) AU-A-2021341520  
 (21) 2021341520 (22) 14.09.2021  
 (54) PANEL FOR AIR-CONDITIONING DUCTS  
 (51) Int. Cl.  
*B32B 33/00* ( 2006.01 )  
*B32B 5/26* ( 2006.01 )  
*B32B 17/02* ( 2006.01 )  
*B32B 38/00* ( 2006.01 )  
*E04C 2/296* ( 2006.01 )  
 (87) WO2022/053700  
 (31) 2009279 (32) 14.09.20 (33) FR  
 (43) 17.03.2022  
 (72) PEREZ, Maria Luisa; DIEZ, Alfonso; RICO, Mariano; LOPEZ, Gregorio  
 (74) Griffith Hack
- 
- (71) SAMSUNG ELECTRONICS CO., LTD.  
 (11) AU-A-2021343338  
 (21) 2021343338 (22) 17.09.2021  
 (54) DEVICE AND METHOD FOR FRONTHAUL TRANSMISSION IN WIRELESS COMMUNICATION SYSTEM  
 (51) Int. Cl.  
*H04W 72/12* ( 2023.01 )  
*H04L 5/00* ( 2006.01 )  
*H04W 72/04* ( 2023.01 )  
*H04W 88/08* ( 2009.01 )  
*H04W 92/24* ( 2009.01 )  
 (87) WO2022/060180  
 (31) 10-2020-0120105 (32) 17.09.20 (33) KR  
 (43) 24.03.2022  
 (72) LIM, Hyoungjin; KIM, Daehoon; KIM, Bongjin; SONG, Moongun; OH, Jongho; HWANG, Wonjun  
 (74) Griffith Hack
- 
- (71) SANIONA A/S  
 (11) AU-A-2021350333  
 (21) 2021350333 (22) 21.09.2021  
 (54) NOVEL POTASSIUM CHANNEL INHIBITORS  
 (51) Int. Cl.  
*A61P 29/00* ( 2006.01 )  
*A61K 31/40* ( 2006.01 )  
*C07C 25/02* ( 2006.01 )  
*C07D 207/09* ( 2006.01 )  
 (87) WO2022/063767  
 (31) 20197467.2 (32) 22.09.20 (33) EP
- 
- (43) 31.03.2022  
 (72) BROWN, David, Tristram; CHRISTOPHERSEN, Palle; JACOBSEN, Thomas, Amos; LARSEN, Janus, S.; POULSEN, Pernille, Hartveit; STRØBÆK, Dorte  
 (74) FB Rice Pty Ltd
- 
- (71) SANOFI  
 (11) AU-A-2021332121  
 (21) 2021332121 (22) 31.08.2021  
 (54) CRYSTALLINE EDG-2 RECEPTOR ANTAGONIST AND METHODS OF MAKING  
 (51) Int. Cl.  
*C07C 235/54* ( 2006.01 )  
*A61P 9/04* ( 2006.01 )  
*A61P 9/10* ( 2006.01 )  
 (87) WO2022/043755  
 (31) 63/227,279 (32) 29.07.21 (33) US  
 63/072,848 31.08.20 US  
 (43) 03.03.2022  
 (72) PERNERSTORFER, Josef; ROCCO, William; BRITAIN, Jason  
 (74) FB Rice Pty Ltd
- 
- (71) SANOFI  
 (11) AU-A-2021340890  
 (21) 2021340890 (22) 14.09.2021  
 (54) TETRAHYDROISOQUINOLINE DERIVATIVES FOR THE TREATMENT OF RED BLOOD DISORDERS AND INFLAMMATORY DISEASES  
 (51) Int. Cl.  
*C07D 471/18* ( 2006.01 )  
*A61K 31/439* ( 2006.01 )  
*A61P 3/00* ( 2006.01 )  
*A61P 7/06* ( 2006.01 )  
*A61P 37/00* ( 2006.01 )  
*C07D 471/08* ( 2006.01 )  
*C07D 471/22* ( 2006.01 )  
 (87) WO2022/056448  
 (31) 63/078,118 (32) 14.09.20 (33) US  
 63/229,338 04.08.21 US  
 (43) 17.03.2022  
 (72) BARBERIS, Claude; KARAGEORGE, George; JURCAK, John; TERRANOVA, Kristen  
 (74) ALLENS PATENT & TRADE MARK ATTORNEYS
- 
- (71) SANOFI PASTEUR INC.; GLAXOSMITHKLINE BIOLOGICALS SA  
 (11) AU-A-2021330836  
 (21) 2021330836 (22) 23.08.2021  
 (54) COVID-19 VACCINES WITH TOCOPHEROL-CONTAINING SQUALENE EMULSION ADJUVANTS  
 (51) Int. Cl.  
*C07K 14/165* ( 2006.01 )  
*A61K 39/12* ( 2006.01 )  
*A61P 31/14* ( 2006.01 )  
*A61K 39/00* ( 2006.01 )  
 (87) WO2022/046633  
 (31) 63/069,171 (32) 24.08.20 (33) US  
 63/184,155 04.05.21 US  
 63/189,044 14.05.21 US  
 63/215,092 25.06.21 US
- 
- (43) 03.03.2022  
 (72) ANOSOVA, Natalie; AUSAR, Salvador Fernando; BERRY, Catherine; BOUDET, Florence; BREUER, Thomas; CASIMIRO, Danilo; CHICZ, Roman M.; DAYAN, Gustavo; DE BRUYN, Guy; DIAZGRANADOS, Carlos; FU, Tong-Ming; GARINOT, Marie; GRADY, Lorry; GURUNATHAN, Sanjay; KALNIN, Kirill; KHRAMTSOV, Nikolai; LECOUTURIER, Valérie; RAHMAN, Nausheen; RUIZ, Sophie; SAVARINO, Stephen; SRIDHAR, Saranya; SRIVASTAVA, Indresh K.; TARTAGLIA, James; TIBBITTS, Timothy  
 (74) Griffith Hack
- 
- (71) SANOFI PASTEUR INC.  
 (11) AU-A-2021333572  
 (21) 2021333572 (22) 23.08.2021  
 (54) VACCINES AGAINST SARS-COV-2 INFECTIONS  
 (51) Int. Cl.  
*A61K 39/12* ( 2006.01 )  
*C07K 14/165* ( 2006.01 )  
 (87) WO2022/046634  
 (31) 63/069,172 (32) 24.08.20 (33) US  
 63/131,278 28.12.20 US  
 63/184,065 04.05.21 US  
 63/201,848 14.05.21 US  
 (43) 03.03.2022  
 (72) ANOSOVA, Natalie; AUSAR, Salvador Fernando; BERRY, Catherine; BOUDET, Florence; CASIMIRO, Danilo; CHICZ, Roman M.; DAYAN, Gustavo; DE BRUYN, Guy; DIAZGRANADOS, Carlos; FU, Tong-Ming; GARINOT, Marie; GRADY, Lorry; GURUNATHAN, Sanjay; KALNIN, Kirill; KHRAMTSOV, Nikolai; LECOUTURIER, Valérie; RAHMAN, Nausheen; RUIZ, Sophie; SAVARINO, Stephen; SRIDHAR, Saranya; SRIVASTAVA, Indresh K.; TARTAGLIA, James; TIBBITTS, Timothy  
 (74) Griffith Hack
- 
- (71) SAREPTA THERAPEUTICS, INC.  
 (11) AU-A-2021340584  
 (21) 2021340584 (22) 03.09.2021  
 (54) SYSTEMIC DELIVERY OF ADENO-ASSOCIATED VIRUS VECTOR EXPRESSING G-SARCOGLYCAN AND THE TREATMENT OF MUSCULAR DYSTROPHY  
 (51) Int. Cl.  
*A61P 21/00* ( 2006.01 )  
*C07K 14/47* ( 2006.01 )  
*C12N 15/86* ( 2006.01 )  
 (87) WO2022/055791  
 (31) 63/075,697 (32) 08.09.20 (33) US  
 (43) 17.03.2022  
 (72) RODINO-KLAPAC, Louise; POZSGAI, Eric  
 (74) Davies Collison Cave Pty Ltd
- 
- (71) SCHOLLE IPN IP B.V.  
 (11) AU-A-2021359074  
 (21) 2021359074 (22) 14.10.2021

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

- (54) SPOUTED POUCH AND A CLOSURE ASSEMBLY  
 (51) Int. Cl.  
*B65D 41/34* ( 2006.01 )  
*B65D 47/20* ( 2006.01 )  
*B65D 47/24* ( 2006.01 )  
*B65D 55/16* ( 2006.01 )  
*B65D 75/58* ( 2006.01 )  
 (87) WO2022/079154  
 (31) 2026679 (32) 15.10.20 (33) NL  
 (43) 21.04.2022  
 (72) FIERE, Jeroen Pieter  
 (74) PHILLIPS ORMONDE FITZPATRICK
- 
- (71) SCORPION THERAPEUTICS, INC.  
 (11) AU-A-2021347288  
 (21) 2021347288 (22) 22.09.2021  
 (54) PYRROLO[3,2-C]PYRIDIN-4-ONE DERIVATIVES USEFUL IN THE TREATMENT OF CANCER  
 (51) Int. Cl.  
*A61P 35/00* ( 2006.01 )  
*C07D 471/04* ( 2006.01 )  
*C07D 519/00* ( 2006.01 )  
 (87) WO2022/066734  
 (31) 63/082,324 (32) 23.09.20 (33) US  
 63/092,970 16.10.20 US  
 (43) 31.03.2022  
 (72) MILGRAM, Benjamin C.; WHITE, Ryan D.; ST. JEAN, JR., DAVID; GUZMAN-PEREZ, Angel  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
- 
- (71) SECURTER SYSTEMS INC.  
 (11) AU-A-2021357676  
 (21) 2021357676 (22) 05.10.2021  
 (54) UNATTENDED MOBILE POINT OF SALE SYSTEM  
 (51) Int. Cl.  
*G06Q 20/08* ( 2012.01 )  
*G06Q 20/20* ( 2012.01 )  
*G06Q 20/32* ( 2012.01 )  
 (87) WO2022/074569  
 (31) 63/087,835 (32) 05.10.20 (33) US  
 (43) 14.04.2022  
 (72) SHMULEVICH, Michael; KRUPNIKOV, Vladimir; EPSTEIN, Steve  
 (74) LAMINAR IP PTY LTD
- 
- (71) SEEGENE, INC.  
 (11) AU-A-2021333063  
 (21) 2021333063 (22) 31.08.2021  
 (54) COMPUTER-IMPLEMENTED METHOD FOR PROVIDING NUCLEIC ACID SEQUENCE DATA SET FOR DESIGN OF OLIGONUCLEOTIDE  
 (51) Int. Cl.  
*G16B 30/10* ( 2019.01 )  
*G16B 5/00* ( 2019.01 )  
*G16B 20/20* ( 2019.01 )  
*G16B 50/00* ( 2019.01 )  
 (87) WO2022/045859  
 (31) 10-2020-0110636 (32) 31.08.20 (33) KR  
 (43) 03.03.2022  
 (72) KIM, Do Hee; LEE, Hyeon Joo  
 (74) FB Rice Pty Ltd
- 
- (71) SEWER SENTRY LLC  
 (11) AU-A-2021361847  
 (21) 2021361847 (22) 08.10.2021  
 (54) VENTED PRECIPITATION GUARDING MANHOLE COVER ASSEMBLY  
 (51) Int. Cl.  
*E02D 29/14* ( 2006.01 )  
*E02D 29/12* ( 2006.01 )  
*E03F 5/02* ( 2006.01 )  
*E03F 5/08* ( 2006.01 )  
*F16K 24/04* ( 2006.01 )  
 (87) WO2022/081435  
 (31) 63/091,772 (32) 14.10.20 (33) US  
 (43) 21.04.2022  
 (72) PUTNAM, David Alan  
 (74) Spruson & Ferguson
- 
- (71) SHAANXI MICOT TECHNOLOGY CO., LTD.  
 (11) AU-A-2021338639  
 (21) 2021338639 (22) 20.04.2021  
 (54) BISPECIFIC FUSION POLYPEPTIDE COMPOUND  
 (51) Int. Cl.  
*C07K 7/06* ( 2006.01 )  
*A61K 38/02* ( 2006.01 )  
*A61P 19/00* ( 2006.01 )  
*C07K 14/61* ( 2006.01 )  
 (87) WO2022/052471  
 (31) 202010946404.5 (32) 10.09.20 (33) CN  
 (43) 17.03.2022  
 (72) WANG, Cuiqin  
 (74) FPA Patent Attorneys Pty Ltd
- 
- (71) SHANGHAI HANSOH BIOMEDICAL CO., LTD.; JIANGSU HANSOH PHARMACEUTICAL GROUP CO., LTD.  
 (11) AU-A-2021362977  
 (21) 2021362977 (22) 14.10.2021  
 (54) ANTI-TROP-2 ANTIBODY, ANTI-GEN-BINDING FRAGMENT THEREOF OR MUTANT THEREOF, AND MEDICAL USE THEREOF  
 (51) Int. Cl.  
*C07K 16/30* ( 2006.01 )  
*A61K 39/395* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
 (87) WO2022/078424  
 (31) 202011099107.8 (32) 14.10.20 (33) CN  
 (43) 21.04.2022  
 (72) MAO, Dongjie; LUO, Yan; XIE, Yuejun  
 (74) PHILLIPS ORMONDE FITZPATRICK
- 
- (71) SHANGHAI QUICKTRON INTELLIGENT TECHNOLOGY CO., LTD  
 (11) AU-A-2021345623  
 (21) 2021345623 (22) 08.01.2021  
 (54) OBJECT CARRYING ASSEMBLY AND TRANSFER ROBOT  
 (51) Int. Cl.  
*B65D 61/00* ( 2006.01 )  
 (87) WO2022/057169  
 (31) 202022086578.7 (32) 21.09.20 (33) CN  
 202022086696.8 21.09.20 CN  
 (43) 24.03.2022  
 (72) ZOU, Yangwei; PAN, Sheng; WANG, Xinhao; HE, Yundi; YANG, Wei  
 (74) Davies Collison Cave Pty Ltd
- 
- (71) SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V.  
 (11) AU-A-2021361086  
 (21) 2021361086 (22) 12.10.2021  
 (54) SYSTEMS AND PROCESSES FOR GENERATING A REDUCED CHLORIDE STRIPPED FLUID FROM A HYDROPROCESSING EFFLUENT  
 (51) Int. Cl.  
*C10G 45/02* ( 2006.01 )  
 (87) WO2022/079051  
 (31) 20201763.8 (32) 14.10.20 (33) EP  
 (43) 21.04.2022  
 (72) MUCCIOLI, Paolo; VAN DOESBURG, Edmundo Steven  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
- 
- (71) SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V.  
 (11) AU-A-2021367047  
 (21) 2021367047 (22) 19.10.2021  
 (54) USE OF A DIESEL FUEL COMPOSITION  
 (51) Int. Cl.  
*C10L 1/02* ( 2006.01 )  
*C10L 1/08* ( 2006.01 )  
*C10L 1/19* ( 2006.01 )  
*C10L 10/04* ( 2006.01 )  
 (87) WO2022/084281  
 (31) 20202833.8 (32) 20.10.20 (33) EP  
 (43) 28.04.2022  
 (72) WILLIAMS, Rodney Glyn; RIMMER, John, Jeffrey  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
- 
- (71) SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V.  
 (11) AU-A-2021367116  
 (21) 2021367116 (22) 19.10.2021  
 (54) HIGH OCTANE UNLEADED AVIATION GASOLINE  
 (51) Int. Cl.  
*C10L 1/06* ( 2006.01 )  
*C10L 1/14* ( 2006.01 )  
*C10L 1/16* ( 2006.01 )  
*C10L 1/19* ( 2006.01 )  
*C10L 1/222* ( 2006.01 )  
*C10L 1/223* ( 2006.01 )  
*C10L 10/10* ( 2006.01 )  
 (87) WO2022/084353  
 (31) 63/104,144 (32) 22.10.20 (33) US  
 20205000.1 30.10.20 EP  
 (43) 28.04.2022  
 (72) BENNIS, Hanane Belmokaddem; SHEA, Timothy Michael  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
- 
- (71) SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V.  
 (11) AU-A-2021370108  
 (21) 2021370108 (22) 12.10.2021

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

- (54) COMPACT SYSTEM AND METHOD FOR THE PRODUCTION OF LIQUEFIED NATURAL GAS  
 (51) Int. Cl.  
*F25J 1/00* ( 2006.01 )  
 (87) WO2022/089930  
 (31) 20203750.3 (32) 26.10.20 (33) EP  
 (43) 05.05.2022  
 (72) VAN DE LISDONK, Carolus Antonius  
 Cornelis; KEVENAAR, Mark Antonius;  
 TAIWO, Saheed Olukayode Steven  
 (74) Spruson & Ferguson
- 
- (71) SHENZHEN RHEGEN BIOTECHNOLOGY CO., LTD.  
 (11) AU-A-2020464470  
 (21) 2020464470 (22) 29.10.2020  
 (54) NOVEL 5'CAP ANALOG HAVING CAP2 STRUCTURE AND PREPARATION METHOD THEREFOR  
 (51) Int. Cl.  
*C12P 19/34* ( 2006.01 )  
*C07H 21/02* ( 2006.01 )  
 (87) WO2022/036858  
 (31) 202010842263.2 (32) 20.08.20 (33) CN  
 (43) 24.02.2022  
 (72) HU, Yong; ZHANG, Miaomiao; HONG, Dan; HU, Xun  
 (74) Spruson & Ferguson
- 
- (71) SHENZHEN SHENXIN BIOTECHNOLOGY CO., LTD.  
 (11) AU-A-2021329702  
 (21) 2021329702 (22) 12.08.2021  
 (54) LIPID NANOPARTICLE  
 (51) Int. Cl.  
*A61K 9/127* ( 2006.01 )  
*A61K 47/18* ( 2017.01 )  
*A61K 48/00* ( 2006.01 )  
*C07C 229/16* ( 2006.01 )  
*C07C 233/36* ( 2006.01 )  
*C07C 255/24* ( 2006.01 )  
*C07D 295/13* ( 2006.01 )  
 (87) WO2022/037465  
 (31) 202010841678.8 (32) 20.08.20 (33) CN  
 (43) 24.02.2022  
 (72) LI, Linxian  
 (74) Spruson & Ferguson
- 
- (71) SHINGLEBACK OFF ROAD PTY LTD  
 (11) AU-A-2021345499  
 (21) 2021345499 (22) 17.09.2021  
 (54) A VEHICLE-MOUNTABLE RACK  
 (51) Int. Cl.  
*B60R 9/10* ( 2006.01 )  
*B60R 9/06* ( 2006.01 )  
*B62H 3/08* ( 2006.01 )  
*B62H 3/12* ( 2006.01 )  
 (87) WO2022/056600  
 (31) 2020903354 (32) 18.09.20 (33) AU  
 (43) 24.03.2022  
 (72) TAYLOR, Andrew  
 (74) Davies Collision Cave Pty Ltd
- 
- (71) SHOCKWATER SYSTEMS, LLC  
 (11) AU-A-2021349962  
 (21) 2021349962 (22) 24.09.2021
- 
- (54) CARWASH AND WASTEWATER REGENERATION SYSTEM  
 (51) Int. Cl.  
*C02F 1/467* ( 2023.01 )  
*B01D 21/08* ( 2006.01 )  
*C02F 1/46* ( 2023.01 )  
 (87) WO2022/067031  
 (31) 63/083,612 (32) 25.09.20 (33) US  
 (43) 31.03.2022  
 (72) SAINT-VINCENT, Stephen; BROUS-SARD, Gerard J.  
 (74) FPA Patent Attorneys Pty Ltd
- 
- (71) SICHUAN KELUN PHARMACEUTICAL RESEARCH INSTITUTE CO., LTD.  
 (11) AU-A-2021381638  
 (21) 2021381638 (22) 09.11.2021  
 (54) SALT OF BENZOTHAZOLE COMPOUND, AND CRYSTAL FORM AND USE THEREOF  
 (51) Int. Cl.  
*C07D 277/82* ( 2006.01 )  
*A61K 31/428* ( 2006.01 )  
*A61P 25/16* ( 2006.01 )  
 (87) WO2022/105644  
 (31) 202011304450.1 (32) 19.11.20 (33) CN  
 (43) 27.05.2022  
 (72) LI, Long; YI, Shidong; WANG, Tianming; CHEN, Pingyun; YANG, Chengxi; WANG, Jingyi  
 (74) ALLENS PATENT & TRADE MARK ATTORNEYS
- 
- (71) SIGNATURE ORTHOPAEDICS EUROPE LTD  
 (11) AU-A-2021356330  
 (21) 2021356330 (22) 08.10.2021  
 (54) AN ORTHOPAEDIC IMPLANT TOOL INTERFACING SOCKET  
 (51) Int. Cl.  
*A61F 2/46* ( 2006.01 )  
*A61F 2/36* ( 2006.01 )  
 (87) WO2022/073074  
 (31) 2020903641 (32) 08.10.20 (33) AU  
 (43) 14.04.2022  
 (72) BRAZIL, Declan; BURGESS, Chris; MANFREDI, John  
 (74) Patentec Patent Attorneys
- 
- (71) SOCIÉTÉ DES PRODUITS NESTLÉ S.A.  
 (11) AU-A-2021381530  
 (21) 2021381530 (22) 03.11.2021  
 (54) CLOSURE FOR A CONTAINER  
 (51) Int. Cl.  
*B65D 51/24* ( 2006.01 )  
*B65D 43/16* ( 2006.01 )  
 (87) WO2022/106198  
 (31) 20208254.1 (32) 18.11.20 (33) EP  
 (43) 27.05.2022  
 (72) BRANDAO, Sophia; RUEDA, Luis, Fernando  
 (74) Spruson & Ferguson
- 
- (71) SOCIÉTÉ DES PRODUITS NESTLÉ S.A.  
 (11) AU-A-2021386640
- 
- (21) 2021386640 (22) 25.11.2021  
 (54) A PROCESS FOR PREPARING A CRISPY COATED EXTRUDED PLANT-BASED FOOD PRODUCT  
 (51) Int. Cl.  
*A23P 30/20* ( 2016.01 )  
*A23J 3/22* ( 2006.01 )  
*A23J 3/26* ( 2006.01 )  
*A23L 33/185* ( 2016.01 )  
 (87) WO2022/112384  
 (31) 20210207.5 (32) 27.11.20 (33) EP  
 (43) 02.06.2022  
 (72) BETZ, Reinhold Willy; HUTSCHENREUTER, Simon Alexander; KURZ, Kevin; MICHEL, Martin; PIBAROT, Patrick; AMBUHL, Mark; WEISS, Jochen; HERRMANN, Kurt; WENZEL, Hannes  
 (74) Spruson & Ferguson
- 
- (71) SONERA MAGNETICS, INC.  
 (11) AU-A-2021355438  
 (21) 2021355438 (22) 30.09.2021  
 (54) SYSTEM AND METHOD FOR A MAGNETIC SENSOR ARRAY CIRCUIT  
 (51) Int. Cl.  
*G01R 33/24* ( 2006.01 )  
*G01R 33/02* ( 2006.01 )  
*G01R 33/20* ( 2006.01 )  
 (87) WO2022/072578  
 (31) 63/085,467 (32) 30.09.20 (33) US  
 (43) 07.04.2022  
 (72) LABANOWSKI, Dominic; DEKA, Nishita  
 (74) Spruson & Ferguson
- 
- (71) SONOCO DEVELOPMENT, INC.  
 (11) AU-A-2021350631  
 (21) 2021350631 (22) 10.08.2021  
 (54) FLEXIBLE PACKAGING STRUCTURE WITH INTEGRAL TAMPER-EVIDENCE FEATURES AND METHOD FOR MAKING THE SAME  
 (51) Int. Cl.  
*B65D 75/58* ( 2006.01 )  
 (87) WO2022/066305  
 (31) 17/031,154 (32) 24.09.20 (33) US  
 (43) 31.03.2022  
 (72) HUFFER, Scott, William  
 (74) Pizzeyes Patent and Trade Mark Attorneys Pty Ltd
- 
- (71) SONOS, INC.  
 (11) AU-A-2021331071  
 (21) 2021331071 (22) 25.08.2021  
 (54) SMART NETWORKING TECHNIQUES FOR PORTABLE PLAYBACK DEVICES  
 (51) Int. Cl.  
*H04W 52/02* ( 2009.01 )  
*G06F 3/16* ( 2006.01 )  
*H04W 88/06* ( 2009.01 )  
 (87) WO2022/046912  
 (31) 63/070,144 (32) 25.08.20 (33) US  
 63/157,980 08.03.21 US  
 (43) 03.03.2022  
 (72) LU, Cheng; PANDINA, Matthew T.; YORE, Jason  
 (74) Spruson & Ferguson

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

(71) SONOS, INC.  
 (11) AU-A-2021350100  
 (21) 2021350100 (22) 24.09.2021  
 (54) INTELLIGENT SETUP FOR PLAYBACK DEVICES  
 (51) Int. Cl.  
*H04N 21/43* ( 2011.01 )  
*H04N 21/432* ( 2011.01 )  
*H04N 21/436* ( 2011.01 )  
*H04N 21/4363* ( 2011.01 )  
 (87) WO2022/067123  
 (31) 63/083,637 (32) 25.09.20 (33) US  
 (43) 31.03.2022  
 (72) MCDEVITT, Jennifer; BABU, James; CELENTANO, Patrick; HUTCHINGS, Kyle; BHANGALE, Pratik; AGERBAK, Michael; VALENTE, Daniel; SHOE-SMITH, William; ERDMANN, Derek W.; WALSH, Conor; KUTATELI, Nikolai; FRISTROM, Carl; PARK, Youngjoo  
 (74) Spruson & Ferguson

(71) SPINAL SIMPLICITY, LLC  
 (11) AU-A-2021328118  
 (21) 2021328118 (22) 05.08.2021  
 (54) INTERSPINOUS PROCESS IMPLANT  
 (51) Int. Cl.  
*A61B 17/70* ( 2006.01 )  
*A61B 17/88* ( 2006.01 )  
 (87) WO2022/039935  
 (31) 16/998,171 (32) 20.08.20 (33) US  
 17/389,418 30.07.21 US  
 (43) 24.02.2022  
 (72) FROCK, Melissa; FROCK, Adam; MOSELEY, Todd; ROGERS, Adam  
 (74) FB Rice Pty Ltd

(71) STADA ARZNEIMITTEL AG; XBRANE BIOPHARMA AB  
 (11) AU-A-2021357360  
 (21) 2021357360 (22) 08.10.2021  
 (54) METHOD OF PRODUCING A RECOMBINANT PROTEIN IN A HOST CELL WHICH HAS A DISABLED RHAMNOSE METABOLISM AS WELL AS EXPRESSION VECTORS, HOST CELLS AND RECOMBINANT PROTEINS THEREOF  
 (51) Int. Cl.  
*C12N 15/63* ( 2006.01 )  
 (87) WO2022/074182  
 (31) 20201096.3 (32) 09.10.20 (33) EP  
 (43) 14.04.2022  
 (72) VIKSTRÖM, David; ISMAIL, Nurzian; SAMUELSON, Patrik; MIRZADEH, Kiavash; GUDISE, Santhosh; KAD-OW, Maria; SZEKÉR, Kathleen; SALLIH, Tagrid; BARASZKIEWICZ, Mariusz; BASHIRI, Siavash  
 (74) Spruson & Ferguson

(71) STANDARD MILLOX PHARMACEUTICALS OY  
 (11) AU-A-2021353103  
 (21) 2021353103 (22) 29.09.2021  
 (54) A HYDROGEL MATERIAL

(51) Int. Cl.  
*C08J 3/11* ( 2006.01 )  
*A61K 47/00* ( 2006.01 )  
 (87) WO2022/069799  
 (31) 20205956 (32) 01.10.20 (33) FI  
 (43) 07.04.2022  
 (72) JOKINEN, Mika; KALJUKIVI, Alar; ROSLING, Ari; ASSMUTH, Tatu; BLAZEVIC, Vesna; HYTÖNEN, Vesa; LAITINEN, Olli; HEINIMÄKI, Suvi  
 (74) Collison & Co

(71) STATE GRID CORPORATION OF CHINA; STATE GRID SMART GRID RESEARCH INSTITUTE CO., LTD.  
 (11) AU-A-2022268459  
 (21) 2022268459 (22) 28.04.2022  
 (54) HIGH-VOLTAGE BUSHING AND HIGH-VOLTAGE POWER TRANSMISSION SYSTEM  
 (51) Int. Cl.  
*H05K 7/20* ( 2006.01 )  
 (87) WO2022/233261  
 (31) 202110497336.3 (32) 07.05.21 (33) CN  
 (43) 10.11.2022  
 (72) LIU, Shan; LIU, Zehong; WANG, Shaowu; GUO, Xianshan; HUANG, Yong; ZHANG, Jin; SONG, Shengli; LI, Jinchong; LU, Licheng; LI, Yunpeng; ZHOU, Jianhui; WANG, Hang; JIANG, Zhe; HOU, Junyi  
 (74) Michael Buck IP

(71) SULFATEQ B.V.  
 (11) AU-A-2021346236  
 (21) 2021346236 (22) 21.09.2021  
 (54) CHROMANOL COMPOUNDS FOR TREATMENT OF HEART FAILURE  
 (51) Int. Cl.  
*A61K 31/16* ( 2006.01 )  
*A61K 31/165* ( 2006.01 )  
*A61K 31/353* ( 2006.01 )  
*A61K 31/453* ( 2006.01 )  
*A61K 31/496* ( 2006.01 )  
*A61K 45/06* ( 2006.01 )  
*A61P 9/04* ( 2006.01 )  
 (87) WO2022/058620  
 (31) 2026511 (32) 21.09.20 (33) NL  
 (43) 24.03.2022  
 (72) HENNING, Robert Henk; VAN DER GRAAF, Adrianus Cornelis; KRENNING, Guido; WIGGENHAUSER, Lucas Moritz  
 (74) Spruson & Ferguson

(71) SUMITOMO CHEMICAL COMPANY, LIMITED  
 (11) AU-A-2021334758  
 (21) 2021334758 (22) 30.08.2021  
 (54) METHANOL PRODUCTION METHOD  
 (51) Int. Cl.  
*C07C 29/154* ( 2006.01 )  
*B01J 23/80* ( 2006.01 )  
*C07B 61/00* ( 2006.01 )  
*C07C 31/04* ( 2006.01 )  
 (87) WO2022/045327  
 (31) 2020-145864 (32) 31.08.20 (33) JP

(43) 03.03.2022  
 (72) OZAWA, Takuya  
 (74) Griffith Hack

(71) SUMITOMO METAL MINING CO., LTD.  
 (11) AU-A-2021332650  
 (21) 2021332650 (22) 18.08.2021  
 (54) ALLOY POWDER, METHOD FOR MANUFACTURING SAME, AND METHOD FOR RECOVERING VALUABLE METAL  
 (51) Int. Cl.  
*B22F 1/00* ( 2022.01 )  
*B22F 9/08* ( 2006.01 )  
*C22B 3/06* ( 2006.01 )  
*C22B 7/00* ( 2006.01 )  
*C22B 15/00* ( 2006.01 )  
*C22B 23/00* ( 2006.01 )  
*C22B 23/02* ( 2006.01 )  
*C22C 9/06* ( 2006.01 )  
*C22C 19/03* ( 2006.01 )  
*C22C 30/02* ( 2006.01 )  
 (87) WO2022/044934  
 (31) 2020-144467 (32) 28.08.20 (33) JP  
 (43) 03.03.2022  
 (72) TOGASHI Ryo  
 (74) Davies Collison Cave Pty Ltd

(71) SUMITOMO METAL MINING CO., LTD.  
 (11) AU-A-2021334268  
 (21) 2021334268 (22) 18.08.2021  
 (54) ATOMIZATION DEVICE, MANUFACTURING METHOD OF METAL POWDER, AND MANUFACTURING METHOD OF VALUABLE METAL  
 (51) Int. Cl.  
*B22F 9/08* ( 2006.01 )  
*B22F 1/00* ( 2022.01 )  
*C22B 1/14* ( 2006.01 )  
*C22B 7/00* ( 2006.01 )  
*C22B 23/00* ( 2006.01 )  
*C22C 9/06* ( 2006.01 )  
*C22C 30/02* ( 2006.01 )  
 (87) WO2022/044931  
 (31) 2020-144466 (32) 28.08.20 (33) JP  
 2021-088472 26.05.21 JP  
 (43) 03.03.2022  
 (72) TOGASHI Ryo  
 (74) Davies Collison Cave Pty Ltd

(71) SUNTORY HOLDINGS LIMITED  
 (11) AU-A-2021330125  
 (21) 2021330125 (22) 30.03.2021  
 (54) BEER-FLAVORED BEVERAGE  
 (51) Int. Cl.

*C12C 5/02* ( 2006.01 )  
*A23L 2/38* ( 2021.01 )  
*A23L 2/52* ( 2006.01 )  
*C12G 3/02* ( 2019.01 )  
*C12G 3/06* ( 2006.01 )  
 (87) WO2022/044411  
 (31) 2020-146016 (32) 31.08.20 (33) JP  
 (43) 03.03.2022  
 (72) OKAJIMA Takaho; MARUHASHI Taichi; INUI Takako; KUMAGAI Takeshi; KATO Yuichi; HASEGAWA Takamasa  
 (74) Davies Collison Cave Pty Ltd

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

- (71) SUNTORY HOLDINGS LIMITED  
(11) AU-A-2021330921  
(21) 2021330921 (22) 23.08.2021  
(54) CAFFEINE-CONTAINING BEVERAGE, METHOD FOR PRODUCING CAFFEINE-CONTAINING BEVERAGE, AND METHOD FOR REDUCING BITTERNESS OF CAFFEINE-CONTAINING BEVERAGE  
(51) Int. Cl.  
A23L 2/00 ( 2006.01 )  
A23F 3/16 ( 2006.01 )  
A23F 5/24 ( 2006.01 )  
A23L 2/52 ( 2006.01 )  
(87) WO2022/045032  
(31) 2020-140929 (32) 24.08.20 (33) JP  
(43) 03.03.2022  
(72) YOSHII, Takaaki; UEMURA, Masahide; NAKAHARA, Koichi; HATA, Yuto  
(74) Davies Collison Cave Pty Ltd
- 
- (71) SUNTORY HOLDINGS LIMITED  
(11) AU-A-2021332291  
(21) 2021332291 (22) 30.03.2021  
(54) BEER TASTE BEVERAGE  
(51) Int. Cl.  
C12C 5/02 ( 2006.01 )  
A23L 2/38 ( 2021.01 )  
A23L 2/52 ( 2006.01 )  
C12G 3/02 ( 2019.01 )  
C12G 3/06 ( 2006.01 )  
(87) WO2022/044410  
(31) 2020-145994 (32) 31.08.20 (33) JP  
(43) 03.03.2022  
(72) OKAJIMA Takaho; MARUHASHI Taichi; INUI Takako; KUMAGAI Takeshi; KATO Yuichi; HASEGAWA Takamasa  
(74) Davies Collison Cave Pty Ltd
- 
- (71) SUNTORY HOLDINGS LIMITED  
(11) AU-A-2021334283  
(21) 2021334283 (22) 30.03.2021  
(54) BEER-FLAVORED BEVERAGE  
(51) Int. Cl.  
C12C 5/02 ( 2006.01 )  
A23L 2/38 ( 2021.01 )  
A23L 2/52 ( 2006.01 )  
C12G 3/021 ( 2019.01 )  
C12G 3/06 ( 2006.01 )  
(87) WO2022/044412  
(31) 2020-146019 (32) 31.08.20 (33) JP  
(43) 03.03.2022  
(72) OKAJIMA Takaho; MARUHASHI Taichi; INUI Takako; KUMAGAI Takeshi; KATO Yuichi; HASEGAWA Takamasa  
(74) Davies Collison Cave Pty Ltd
- 
- (71) SUZANO S.A.; UNIVERSIDADE DE SÃO PAULO - USP  
(11) AU-A-2021327091  
(21) 2021327091 (22) 17.08.2021  
(54) METHOD WITH HIGH SOLID RETENTION CAPACITY FOR FIBER CEMENT PRODUCTION, USE AND PRODUCTION METHOD WITH HIGH SOLID RETENTION CAPACITY AND FIBER CEMENT ARTICLE  
(51) Int. Cl.  
C04B 16/06 ( 2006.01 )
- 
- (71) SUZHOU BOTREE CYCLING SCI & TECH CO., LTD  
(11) AU-A-2021344703  
(21) 2021344703 (22) 12.07.2021  
(54) METHOD FOR SEPARATING NICKEL FROM LITHIUM, AND APPLICATION THEREOF  
(51) Int. Cl.  
C22B 7/00 ( 2006.01 )  
C22B 23/06 ( 2006.01 )  
C22B 26/12 ( 2006.01 )  
(87) WO2022/057412  
(31) 202010986175.X (32) 18.09.20 (33) CN  
(43) 24.03.2022  
(72) WANG, Xue  
(74) GLMR
- 
- (71) SYLANS SAGL  
(11) AU-A-2021399257  
(21) 2021399257 (22) 14.12.2021  
(54) PLANT FOR PRODUCING MECHANICAL ENERGY FROM A CARRIER FLUID UNDER CRYOGENIC CONDITIONS  
(51) Int. Cl.  
F01K 25/10 ( 2006.01 )  
(87) WO2022/130189  
(31) 10202000031184 (32) 17.12.20 (33) IT  
(43) 23.06.2022  
(72) RUSSO, Vitaliano; MUTI, Pietro  
(74) FB Rice Pty Ltd
- 
- (71) TAN, S.  
(11) AU-A-2021326883  
(21) 2021326883 (22) 15.08.2021  
(54) AMPHIBIOUS EXPLORATION AND EXAMINATION DEVICE, SYSTEM AND METHOD  
(51) Int. Cl.  
G05D 1/02 ( 2020.01 )  
E02F 3/28 ( 2006.01 )  
E02F 3/36 ( 2006.01 )  
E21B 7/02 ( 2006.01 )  
(87) WO2022/037507  
(31) 202010836827.1 (32) 18.08.20 (33) CN  
(43) 24.02.2022  
(72) TAN, Sicong; YU, Hao; YU, Mengfei  
(74) SICONG TAN
- 
- (71) Tanea Medical AB  
(11) AU-A-2021344644  
(21) 2021344644 (22) 20.09.2021  
(54) ANTIBODIES AGAINST STREPTOCOCCAL M PROTEIN  
(51) Int. Cl.
- 
- (71) Tekt Industries Pty Ltd  
(11) AU-A-2021330790  
(21) 2021330790 (22) 30.08.2021  
(54) SYSTEM FOR MONITORING USAGE OF SANITARY PRODUCT  
(51) Int. Cl.  
A47K 10/32 ( 2006.01 )  
A47K 10/18 ( 2006.01 )  
(87) WO2022/040759
- 
- (71) TASLY PHARMACEUTICAL GROUP CO., LTD.  
(11) AU-A-2022350543  
(21) 2022350543 (22) 05.09.2022  
(54) PHARMACEUTICAL COMPOSITION FOR TREATING MYOCARDIAL ISCHEMIA AND PREPARATION METHOD THEREFOR  
(51) Int. Cl.  
A61K 36/537 ( 2006.01 )  
A61K 31/495 ( 2006.01 )  
A61P 9/10 ( 2006.01 )  
(87) WO2023/045740  
(31) 202111136641.6 (32) 27.09.21 (33) CN  
(43) 30.03.2023  
(72) SUN, He; YAN, Kaijing; MA, Xiaohui; ZHANG, Shunnan; HE, Yi; XIONG, Haoshu; ZHENG, Yongfeng; LI, Xinxin; ZHANG, Hongbo; LI, Yanmei; WANG, Jing; WEN, Tiantian; HUO, Zhipeng; FAN, Lijun; SUN, Wei; WANG, Jianchun; CAI, Nan; YANG, Rui; ZHANG, Jingjing  
(74) Spruson & Ferguson
- 
- (71) TECHNISCHE UNIVERSITÄT BERLIN  
(11) AU-A-2021353475  
(21) 2021353475 (22) 29.09.2021  
(54) METHOD FOR PRODUCING CATALYST-COATED MEMBRANES  
(51) Int. Cl.  
H01M 4/86 ( 2006.01 )  
C25B 11/00 ( 2021.01 )  
H01M 4/88 ( 2006.01 )  
H01M 4/90 ( 2006.01 )  
H01M 8/1018 ( 2016.01 )  
(87) WO2022/069515  
(31) 20198923.3 (32) 29.09.20 (33) EP  
(43) 07.04.2022  
(72) BERNSMIEIER, Denis; KRÄHNERT, Ralph; BERNICKE, Michael; PAUL, Benjamin  
(74) FOUNDARY INTELLECTUAL PROPERTY PTY LTD
- 
- (71) WO2022/036429  
(31) BR 10 7020 (32) 17.08.20 (33) BR  
016777 4  
(43) 24.02.2022  
(72) SIQUEIRA, Germano; JOHN, Vanderley Moacyr; DA SILVA, Beatriz Rodrigues; CARDOSO, Fábio Alonso; JUNIOR, Holmer Savastano  
(74) Spruson & Ferguson
- 
- (71) WO2022/058584  
(31) 20196885.6 (32) 18.09.20 (33) EP  
(43) 24.03.2022  
(72) NORDENFELT, Bill Pontus; MALMSTRÖM, Anders Johan; BAHNAN, Wael Gabriel; HAPPOEN, Lotta Johanna Oksanen; KHAKZAD, Hamed; SHANNON, Oonagh; BJÖRCK, Lars Henrik; MALMSTRÖM, Lars Gustav  
(74) Griffith Hack
- 
- (71) WO2022/058584  
(31) 20196885.6 (32) 18.09.20 (33) EP  
(43) 24.03.2022  
(72) NORDENFELT, Bill Pontus; MALMSTRÖM, Anders Johan; BAHNAN, Wael Gabriel; HAPPOEN, Lotta Johanna Oksanen; KHAKZAD, Hamed; SHANNON, Oonagh; BJÖRCK, Lars Henrik; MALMSTRÖM, Lars Gustav  
(74) Griffith Hack
- 
- (71) WO2022/058584  
(31) 20196885.6 (32) 18.09.20 (33) EP  
(43) 24.03.2022  
(72) NORDENFELT, Bill Pontus; MALMSTRÖM, Anders Johan; BAHNAN, Wael Gabriel; HAPPOEN, Lotta Johanna Oksanen; KHAKZAD, Hamed; SHANNON, Oonagh; BJÖRCK, Lars Henrik; MALMSTRÖM, Lars Gustav  
(74) Griffith Hack

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

- (31) 2020903084 (32) 28.08.20 (33) AU  
(43) 03.03.2022  
(72) ADAMS, Matthew  
(74) Cooper IP Pty Ltd
- 
- (71) TERNS PHARMACEUTICALS, INC.  
(11) AU-A-2021327397  
(21) 2021327397 (22) 20.08.2021  
(54) COMPOUNDS AS GLP-1R AGONISTS  
(51) Int. Cl.  
*A61K 31/403* ( 2006.01 )  
*A61K 31/4164* ( 2006.01 )  
*A61K 31/4184* ( 2006.01 )  
*C07D 209/02* ( 2006.01 )  
*C07D 235/04* ( 2006.01 )  
*C07D 235/06* ( 2006.01 )  
(87) WO2022/040600  
(31) 63/068,870 (32) 21.08.20 (33) US  
(43) 24.02.2022  
(72) ROMERO, F. Anthony; JONES, Christopher T.; FENAUX, Martijn; REEVES, Corey  
(74) FPA Patent Attorneys Pty Ltd
- 
- (71) THAT CORPORATION  
(11) AU-A-2021401747  
(21) 2021401747 (22) 16.12.2021  
(54) AUDIO SAMPLING CLOCK SYNCHRONIZATION  
(51) Int. Cl.  
*H04N 21/43* ( 2011.01 )  
*H04J 3/06* ( 2006.01 )  
(87) WO2022/133067  
(31) 63/126,563 (32) 17.12.20 (33) US  
(43) 23.06.2022  
(72) BARNHILL, Matthew, S.; DARR, Roger, R.; EASLEY, Matthew  
(74) RnB IP Pty Ltd
- 
- (71) THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY  
(11) AU-A-2021337539  
(21) 2021337539 (22) 31.08.2021  
(54) SYNTHETIC MINIATURE CRISPR-CAS (CASMINI) SYSTEM FOR EUKARYOTIC GENOME ENGINEERING  
(51) Int. Cl.  
*C12N 9/22* ( 2006.01 )  
*C07K 14/00* ( 2006.01 )  
*C07K 19/00* ( 2006.01 )  
*C12N 15/113* ( 2010.01 )  
*C12N 15/90* ( 2006.01 )  
(87) WO2022/051250  
(31) 63/073,377 (32) 01.09.20 (33) US  
63/191,611 21.05.21 US  
(43) 10.03.2022  
(72) Qi, Lei S.; XU, Xiaoshu  
(74) Davies Collison Cave Pty Ltd
- 
- (71) THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY  
(11) AU-A-2021350174  
(21) 2021350174 (22) 27.09.2021
- 
- (54) POTENT BINDING AGENTS FOR ACTIVATION OF THE HEDGEHOG SIGNALING PATHWAY  
(51) Int. Cl.  
*A61K 39/395* ( 2006.01 )  
*C07K 16/00* ( 2006.01 )  
*C12N 15/09* ( 2006.01 )  
*C12N 15/13* ( 2006.01 )  
(87) WO2022/067178  
(31) 63/083,544 (32) 25.09.20 (33) US  
(43) 31.03.2022  
(72) LU, Wan-Jin; ZHANG, Yunxiao; BEACHY, Philip A.; MANGLIK, Aashish; HAN, Shuo  
(74) Spruson & Ferguson
- 
- (71) THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY  
(11) AU-A-2021353755  
(21) 2021353755 (22) 26.04.2021  
(54) CO-AXIAL PLUNGER BASED HOME MOLECULAR DIAGNOSTICS KIT  
(51) Int. Cl.  
*B01L 3/00* ( 2006.01 )  
*A61J 1/20* ( 2006.01 )  
*A61M 5/24* ( 2006.01 )  
*A61M 5/28* ( 2006.01 )  
*A61M 5/315* ( 2006.01 )  
(87) WO2022/071996  
(31) 63/085,664 (32) 30.09.20 (33) US  
63/120,401 02.12.20 US  
(43) 07.04.2022  
(72) PRAKASH, Manu; KOTHARI, Anesta; LARSON, Adam George; KUMAR, Shailabh; SOTO-MONTOYA, Hazel  
(74) Eagar & Associates Pty Ltd
- 
- (71) THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY; INSTITUTE FOR BASIC SCIENCE  
(11) AU-A-2021355453  
(21) 2021355453 (22) 30.09.2021  
(54) METHODS AND SYSTEMS FOR MODIFYING EMPATHY BY MODULATING TYPE 2 THETA OSCILLATIONS  
(51) Int. Cl.  
*A61N 1/36* ( 2006.01 )  
*A61N 1/40* ( 2006.01 )  
(87) WO2022/072716  
(31) 63/086,514 (32) 01.10.20 (33) US  
(43) 07.04.2022  
(72) LEE, Jin Hyung; SHIN, Hee-Sup  
(74) FB Rice Pty Ltd
- 
- (71) THE BOEING COMPANY  
(11) AU-A-2021358884  
(21) 2021358884 (22) 04.10.2021  
(54) CONJUGATED POLYMER COMPOSITIONS, ARTICLES THEREOF, AND METHODS OF FORMING AN ADDUCT OF THE CONJUGATED POLYMER AND DOPANTS  
(51) Int. Cl.  
*C09D 5/08* ( 2006.01 )  
*C08G 73/02* ( 2006.01 )  
*C09D 7/61* ( 2018.01 )  
*C09D 163/00* ( 2006.01 )
- 
- H01B 1/12* ( 2006.01 )  
(87) WO2022/076286  
(31) 63/089,436 (32) 08.10.20 (33) US  
17/407,877 20.08.21 US  
(43) 14.04.2022  
(72) IJERI, Vijaykumar; GAYDOS, Stephen P.; KINLEN, Patrick J.; SADAGOPAN, Sathiyarayanan; CHENAN, Arunchandran; RAMACHANDRAN, Jayaram  
(74) Spruson & Ferguson
- 
- (71) THE JACKSON LABORATORY  
(11) AU-A-2021344967  
(21) 2021344967 (22) 16.09.2021  
(54) ACTION DETECTION USING MACHINE LEARNING MODELS  
(51) Int. Cl.  
*G06F 18/25* ( 2023.01 )  
*G06V 20/52* ( 2022.01 )  
(87) WO2022/060919  
(31) 63/078,952 (32) 16.09.20 (33) US  
(43) 24.03.2022  
(72) KUMAR, Vivek; GEUTHER, Brian Q.  
(74) Spruson & Ferguson
- 
- (71) THE JOHNS HOPKINS UNIVERSITY  
(11) AU-A-2021362678  
(21) 2021362678 (22) 12.10.2021  
(54) SUBSTITUTED 4-([1,2,4]TRIAZOLO[1,5-a]PYRIDIN-6-YL)THIOPHENE-2-CARBOXAMIDE DERIVATIVES AND USE THEREOF  
(51) Int. Cl.  
*C07D 471/04* ( 2006.01 )  
*A61K 31/437* ( 2006.01 )  
*A61P 25/08* ( 2006.01 )  
*A61P 25/16* ( 2006.01 )  
*A61P 25/28* ( 2006.01 )  
*A61P 27/02* ( 2006.01 )  
(87) WO2022/081522  
(31) 63/091,039 (32) 13.10.20 (33) US  
(43) 21.04.2022  
(72) PATEL, Amit; ZACK, Donald; WELSBIE, Derek; BERLINICKE, Cynthia; LILLEY, Brendan N.; KIM, Byung-Jin; SCHIROK, Hartmut; SCHUBERT, William; KOCH, Michael; NICOLAS, Lionel; TERJUNG, Carsten; LOBELL, Mario; HOLTON, Simon; JUNGSMANN, Natalia  
(74) FB Rice Pty Ltd
- 
- (71) THE QUEEN'S UNIVERSITY OF BELFAST  
(11) AU-A-2021327073  
(21) 2021327073 (22) 16.08.2021  
(54) MINIATURE ANTENNA WITH OMNI-DIRECTIONAL RADIATION FIELD  
(51) Int. Cl.  
*H01Q 9/04* ( 2006.01 )  
*H01Q 13/10* ( 2006.01 )  
(87) WO2022/038102  
(31) 2012970.6 (32) 19.08.20 (33) GB  
(43) 24.02.2022  
(72) MAGILL, Matthew; CONWAY, Gareth  
(74) Madderns Pty Ltd
-



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

- (71) THE REGENTS OF THE UNIVERSITY OF MICHIGAN  
(11) AU-A-2021347236  
(21) 2021347236 (22) 23.09.2021  
(54) COMPOSITIONS AND METHODS FOR TREATING AND/OR PREVENTING AUTOIMMUNE DISORDERS  
(51) Int. Cl.  
A61K 38/28 (2006.01)  
A61K 9/14 (2006.01)  
A61K 39/395 (2006.01)  
(87) WO2022/066825  
(31) 63/082,236 (32) 23.09.20 (33) US  
(43) 31.03.2022  
(72) MOON, James J.; HAN, Kai; XIE, Fang; ZHOU, Xingwu  
(74) Spruson & Ferguson
- 
- (71) THE REGENTS OF THE UNIVERSITY OF MICHIGAN  
(11) AU-A-2021359844  
(21) 2021359844 (22) 15.10.2021  
(54) CRYSTALLINE POLYMORPHIC FORMS OF STING AGONISTS ASSOCIATED WITH METAL IONS CAPABLE OF MODULATING AN IMMUNE RESPONSE  
(51) Int. Cl.  
A61K 31/7084 (2006.01)  
A61K 47/14 (2017.01)  
A61K 47/64 (2017.01)  
(87) WO2022/081993  
(31) 63/092,295 (32) 15.10.20 (33) US  
(43) 21.04.2022  
(72) MOON, James J.; SUN, Xiaoqi; PARK, Kyung Soo; HUANG, Xuehui  
(74) Spruson & Ferguson
- 
- (71) THE ROSALIND FRANKLIN INSTITUTE  
(11) AU-A-2021339978  
(21) 2021339978 (22) 14.09.2021  
(54) SINGLE DOMAIN ANTIBODIES THAT TARGET SARS-COV-2  
(51) Int. Cl.  
C07K 16/10 (2006.01)  
A61K 39/395 (2006.01)  
A61P 31/14 (2006.01)  
G01N 33/569 (2006.01)  
G01N 33/577 (2006.01)  
(87) WO2022/053839  
(31) 2014451.5 (32) 14.09.20 (33) GB  
2014453.1 14.09.20 GB  
2108319.1 10.06.21 GB  
(43) 17.03.2022  
(72) HUO, Jiandong; OWENS, Raymond; NAISMITH, James  
(74) Catalyst Intellectual Property
- 
- (71) THE UNIVERSITY OF NOTTINGHAM  
(11) AU-A-2021353563  
(21) 2021353563 (22) 30.09.2021  
(54) MAGNETOENCEPHALOGRAPHY METHOD AND SYSTEM  
(51) Int. Cl.  
A61B 5/242 (2021.01)  
A61B 5/243 (2021.01)  
G01R 33/00 (2006.01)  
G01R 33/035 (2006.01)
- 
- (71) THE UNIVERSITY OF QUEENSLAND  
(11) AU-A-2021333886  
(21) 2021333886 (22) 26.08.2021  
(54) MODIFIED POLYPEPTIDES WITH IMPROVED PROPERTIES  
(51) Int. Cl.  
A61K 39/215 (2006.01)  
A61K 39/12 (2006.01)  
A61P 31/14 (2006.01)  
C07K 14/005 (2006.01)  
C07K 14/165 (2006.01)  
C07K 14/395 (2006.01)  
C07K 16/10 (2006.01)  
(87) WO2022/043908  
(31) 2020903050 (32) 26.08.20 (33) AU  
(43) 03.03.2022  
(72) CHAPPELL, Keith; YOUNG, Paul; WATTERSON, Daniel  
(74) Davies Collison Cave Pty Ltd
- 
- (71) THE YOKOHAMA RUBBER CO., LTD.  
(11) AU-A-2021375632  
(21) 2021375632 (22) 15.09.2021  
(54) TEMPERATURE DETECTION DEVICE AND METHOD FOR CONVEYOR BELTS  
(51) Int. Cl.  
B65G 43/02 (2006.01)  
(87) WO2022/097373  
(31) 2020-184894 (32) 05.11.20 (33) JP  
(43) 12.05.2022  
(72) ISHIBASHI Yusuke  
(74) FB Rice Pty Ltd
- 
- (71) TMUNITY THERAPEUTICS INC.  
(11) AU-A-2021332334  
(21) 2021332334 (22) 26.08.2021  
(54) VECTOR-FREE PROCESS FOR MANUFACTURE OF ENGINEERED IMMUNE CELLS  
(51) Int. Cl.  
C12N 15/90 (2006.01)  
A61K 35/17 (2015.01)  
A61P 35/00 (2006.01)  
C12N 5/0783 (2010.01)  
C12N 9/22 (2006.01)  
C12N 15/10 (2006.01)  
C12N 15/113 (2010.01)  
(87) WO2022/047003  
(31) 63/071,236 (32) 27.08.20 (33) US  
(43) 03.03.2022  
(72) BEDOYA, Felipe; ZHENG, Zoe  
(74) Davies Collison Cave Pty Ltd
- 
- (71) Tongwei Solar (Meishan) Co., Ltd.  
(11) AU-A-2022291551  
(21) 2022291551 (22) 29.06.2022  
(54) N-type monocrystalline silicon double-sided solar cell and preparation method thereof  
(51) Int. Cl.
- 
- H01L 31/0236 (2006.01)  
H01L 31/068 (2012.01)  
H01L 31/18 (2006.01)  
(31) 202111224537.2 (32) 19.10.21 (33) CN  
(43) 04.05.2023  
(72) ZHOU, Gongqing; HOU, Kun; TAN, Shixiang; YUAN, Taosheng  
(74) James & Wells Intellectual Property
- 
- (71) TREEFROG THERAPEUTICS  
(11) AU-A-2021346235  
(21) 2021346235 (22) 21.09.2021  
(54) CELLULAR MICROCOMPARTMENTS COMPRISING HUMAN CELLS UNDERGOING CARDIAC DIFFERENTIATION, TISSUES OBTAINED FROM SAID MICROCOMPARTMENTS AND USES THEREOF  
(51) Int. Cl.  
C12N 5/00 (2006.01)  
C12N 5/077 (2010.01)  
(87) WO2022/058615  
(31) FR2009552 (32) 21.09.20 (33) FR  
(43) 24.03.2022  
(72) FEYEU, Maxime; LEONARD, Andrea, Beth  
(74) Spruson & Ferguson
- 
- (71) TRELLISWARE TECHNOLOGIES, INC.  
(11) AU-A-2021334365  
(21) 2021334365 (22) 27.08.2021  
(54) MULTI-CHANNEL TIME-DIVISION MULTIPLEXING ACCESS METHODS AND SYSTEMS  
(51) Int. Cl.  
H04W 28/02 (2009.01)  
H04W 72/12 (2023.01)  
(87) WO2022/047232  
(31) 17/006,644 (32) 28.08.20 (33) US  
(43) 03.03.2022  
(72) ZHU, Hua; KÖSE, Cenk  
(74) RnB IP Pty Ltd
- 
- (71) TRISCO ICAP PTY LTD  
(11) AU-A-2021350294  
(21) 2021350294 (22) 28.09.2021  
(54) FOOD GRADE THICKENER AND METHODS FOR TREATING SWALLOWING DISORDERS  
(51) Int. Cl.  
A23L 29/206 (2016.01)  
A23L 5/00 (2016.01)  
A23L 29/269 (2016.01)  
B65D 25/38 (2006.01)  
C08B 11/12 (2006.01)  
C08B 37/00 (2006.01)  
C08L 5/00 (2006.01)  
(87) WO2022/061419  
(31) 2020903490 (32) 28.09.20 (33) AU  
2020903609 06.10.20 AU  
(43) 31.03.2022  
(72) TRISTRAM, Michael; MOSSEL, Brenda; KEIGHLEY, Santage  
(74) FB Rice Pty Ltd

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

(71) TWIST BIOSCIENCE CORPORATION	63/150,953	18.02.21	US	(31) 63/215,605	(32) 28.06.21	(33) US
(11) AU-A-2021331088	63/150,986	18.02.21	US	63/197,669	07.06.21	US
(21) 2021331088	(22) 25.08.2021	63/122,071	07.12.20	US	63/150,675	18.02.21
(54) METHODS AND COMPOSITIONS RELATING TO GLP1R VARIANTS	63/150,894	18.02.21	US	63/083,023	24.09.20	US
(51) Int. Cl.	63/150,712	18.02.21	US	(43) 31.03.2022		
<b>C07K 16/42</b> ( 2006.01 )	63/122,076	07.12.20	US	(72) HEIKENFELD, Jason		
<b>C12P 21/08</b> ( 2006.01 )	63/150,944	18.02.21	US	(74) Spruson & Ferguson		
<b>G01N 33/53</b> ( 2006.01 )	63/197,674	07.06.21	US			
(87) WO2022/046944	63/136,262	12.01.21	US			
(31) 63/070,734	63/150,667	18.02.21	US	(71) UNIVERSITY OF CINCINNATI		
(32) 26.08.20	63/150,865	18.02.21	US	(11) AU-A-2021350713		
(33) US	63/150,856	18.02.21	US	(21) 2021350713	(22) 24.09.2021	
63/081,801	63/085,484	30.09.20	US	(54) ABRASION PROTECTED MICRONEEDLE AND INDWELLING ELECTROCHEMICAL, APTAMER-BASED SENSORS		
(43) 03.03.2022	63/083,029	24.09.20	US	(51) Int. Cl.		
(72) SATO, Aaron; GARG, Pankaj; LIU, Qiang; AXELROD, Fumiko	63/082,834	24.09.20	US	<b>A61B 5/00</b> ( 2006.01 )		
(74) FB Rice Pty Ltd	(43) 31.03.2022			<b>A61B 5/145</b> ( 2006.01 )		
	(72) HEIKENFELD, Jason			(87) WO2022/066985		
	(74) Spruson & Ferguson			(31) 63/150,634	(32) 18.02.21	(33) US
				63/082,810	24.09.20	US
(71) UNIVERSITÉ DE STRASBOURG; HÔPITAUX UNIVERSITAIRES DE STRASBOURG (HUS)	(71) UNIVERSITY OF CINCINNATI			(43) 31.03.2022		
(11) AU-A-2021353035	(11) AU-A-2021349950			(72) HEIKENFELD, Jason		
(21) 2021353035	(21) 2021349950	(22) 24.09.2021		(74) Spruson & Ferguson		
(54) DEVICE FOR ANCHORING AN INTRODUCER OF A MEDICAL DEVICE INTO THE HUMAN BODY	(54) REDUCED ELECTRONIC SAMPLING OF APTAMER SENSORS					
(51) Int. Cl.	(51) Int. Cl.					
<b>A61M 25/02</b> ( 2006.01 )	<b>G01N 27/327</b> ( 2006.01 )					
<b>A61B 17/02</b> ( 2006.01 )	<b>C12N 15/115</b> ( 2010.01 )			(71) UNIVERSITY OF CINCINNATI		
<b>A61M 25/06</b> ( 2006.01 )	<b>G01N 33/53</b> ( 2006.01 )			(11) AU-A-2021353432		
(87) WO2022/069529	(87) WO2022/067011			(21) 2021353432	(22) 24.09.2021	
(31) 20306113.0	(31) 63/215,605	(32) 28.06.21	(33) US	(54) CONTINUOUS APTAMER SENSING DEVICES WITH IMPROVED LONGEVITY BY GATING OF SAMPLE FLUID		
(32) 29.09.20	63/150,675	18.02.21	US	(51) Int. Cl.		
(33) EP	63/083,023	24.09.20	US	<b>A61B 5/145</b> ( 2006.01 )		
(43) 07.04.2022	63/197,669	07.06.21	US	<b>A61B 5/1455</b> ( 2006.01 )		
(72) CHAKFE, Nabil; NEUMANN, Nicole	(43) 31.03.2022			<b>G01N 27/00</b> ( 2006.01 )		
(74) Davies Collison Cave Pty Ltd	(72) HEIKENFELD, Jason; FRIEDEL, Mark; DEBROSSE, Madeleine			<b>G01N 27/327</b> ( 2006.01 )		
	(74) Spruson & Ferguson			<b>G01N 27/333</b> ( 2006.01 )		
				(87) WO2022/072233		
(71) UNIVERSITY OF CINCINNATI	(71) UNIVERSITY OF CINCINNATI			(31) 63/085,456	(32) 30.09.20	(33) US
(11) AU-A-2021349937	(11) AU-A-2021349959			63/150,921	18.02.21	US
(21) 2021349937	(21) 2021349959	(22) 24.09.2021		(43) 07.04.2022		
(54) HIGHLY CHEMICALLY STABLE APTAMER SENSORS	(54) SMALL VOLUME APTAMER SENSING WITHOUT SOLUTION IMPEDANCE OR ANALYTE DEPLETION			(72) HEIKENFELD, Jason		
(51) Int. Cl.	(51) Int. Cl.			(74) Spruson & Ferguson		
<b>C12N 15/115</b> ( 2010.01 )	<b>A61B 5/00</b> ( 2006.01 )					
<b>G01N 21/01</b> ( 2006.01 )	<b>A61B 5/145</b> ( 2006.01 )			(71) VÄLINGE INNOVATION AB		
<b>G01N 21/77</b> ( 2006.01 )	(87) WO2022/067026			(11) AU-A-2021366939		
<b>G01N 33/50</b> ( 2006.01 )	(31) 63/197,674	(32) 07.06.21	(33) US	(21) 2021366939	(22) 15.10.2021	
<b>G01N 33/543</b> ( 2006.01 )	63/083,031	24.09.20	US	(54) BUILDING PANEL WITH FIRST AND SECOND LOCKING SYSTEM		
<b>G01N 33/68</b> ( 2006.01 )	63/150,717	18.02.21	US	(51) Int. Cl.		
(87) WO2022/066988	(43) 31.03.2022			<b>E04F 15/02</b> ( 2006.01 )		
(31) 63/150,663	(72) HEIKENFELD, Jason			<b>E04F 13/08</b> ( 2006.01 )		
(32) 18.02.21	(74) Spruson & Ferguson			(87) WO2022/086397		
(33) US				(31) 2051244-8	(32) 23.10.20	(33) SE
63/082,825				2150834-6	29.06.21	SE
(43) 31.03.2022				(43) 28.04.2022		
(72) WHITE, Ryan, Jeffrey; HEIKENFELD, Jason				(72) BOO, Christian		
(74) Spruson & Ferguson				(74) PHILLIPS ORMONDE FITZPATRICK		
(71) UNIVERSITY OF CINCINNATI	(71) UNIVERSITY OF CINCINNATI			(71) VAN DER WALT, L.S.; BOTSWANA INTERNATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY		
(11) AU-A-2021349939	(11) AU-A-2021350034			(11) AU-A-2020466611		
(21) 2021349939	(21) 2021350034	(22) 24.09.2021		(21) 2020466611	(22) 02.09.2020	
(54) CONTINUOUS SENSING WITH ADAPTERS AND APTAMERS	(54) APTAMER SENSORS WITH REFERENCE AND COUNTER VOLTAGE CONTROL			(54) METHOD AND SYSTEM FOR SORTING OF DIAMONDS		
(51) Int. Cl.	(51) Int. Cl.			(51) Int. Cl.		
<b>G01N 27/327</b> ( 2006.01 )	<b>A61B 5/157</b> ( 2006.01 )					
<b>A61B 5/145</b> ( 2006.01 )	<b>G01N 27/27</b> ( 2006.01 )					
<b>A61B 5/1455</b> ( 2006.01 )	<b>G01N 27/32</b> ( 2006.01 )					
<b>G01N 27/00</b> ( 2006.01 )	<b>G01N 33/483</b> ( 2006.01 )					
<b>G01N 27/333</b> ( 2006.01 )	<b>G01N 33/487</b> ( 2006.01 )					
(87) WO2022/066992	<b>G01N 33/50</b> ( 2006.01 )					
(31) 63/082,999	(87) WO2022/067051					
(32) 24.09.20						
(33) US						
63/150,677						
18.02.21						
US						

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

- B07C 5/346** ( 2006.01 )  
**B07C 5/34** ( 2006.01 )  
**B07C 5/342** ( 2006.01 )  
**B07C 5/36** ( 2006.01 )  
**(87)** WO2022/049408  
**(43)** 10.03.2022  
**(72)** ZUNGERU, Adamu, Murtala; MODISE, Ernest, Gomolemo; CHUMA, Joseph, Monamati  
**(74)** WRAYS PTY LTD
- 
- (71)** VBG GROUP AB (publ)  
**(11)** AU-A-2021347445  
**(21)** 2021347445 **(22)** 22.09.2021  
**(54)** REPLACEABLE SUPPORT MEMBER FOR A TRAILER COUPLING  
**(51)** Int. Cl.  
**B60D 1/02** ( 2006.01 )  
**B60D 1/58** ( 2006.01 )  
**(87)** WO2022/063817  
**(31)** 20197469.8 **(32)** 22.09.20 **(33)** EP  
**(43)** 31.03.2022  
**(72)** THORÉN, Anders; BOSTRÖM, Henrik  
**(74)** WRAYS PTY LTD
- 
- (71)** VENTIS MEDICAL, INC.  
**(11)** AU-A-2021338777  
**(21)** 2021338777 **(22)** 10.09.2021  
**(54)** SYSTEM AND METHODS OF ADMINISTERING A STATUS CHECK TO A MEDICAL DEVICE  
**(51)** Int. Cl.  
**G06Q 50/22** ( 2018.01 )  
**G16H 40/40** ( 2018.01 )  
**(87)** WO2022/056201  
**(31)** 63/151,913 **(32)** 22.02.21 **(33)** US  
 63/077,197 11.09.20 US  
**(43)** 17.03.2022  
**(72)** LAUB, Glenn, W.; LAUB, Taylor, R.; LAUB, David, G.; MEIER, Giovanni; JACOBSON, Steven; GORRY, Bob  
**(74)** Spruson & Ferguson
- 
- (71)** VESTARON CORPORATION  
**(11)** AU-A-2021350195  
**(21)** 2021350195 **(22)** 27.09.2021  
**(54)** MU-DIGUETOXIN-DC1A VARIANT POLYPEPTIDES FOR PEST CONTROL  
**(51)** Int. Cl.  
**C07K 14/435** ( 2006.01 )  
**A01N 63/50** ( 2020.01 )  
**A61P 33/00** ( 2006.01 )  
**C12N 15/82** ( 2006.01 )  
**(87)** WO2022/067214  
**(31)** 63/084,339 **(32)** 28.09.20 **(33)** US  
**(43)** 31.03.2022  
**(72)** SCHNEIDER, Kyle; HAASE, Alexandra; DAVIS, Breck  
**(74)** Davies Collison Cave Pty Ltd
- 
- (71)** VIASAT, INC.  
**(11)** AU-A-2020468922  
**(21)** 2020468922 **(22)** 23.09.2020  
**(54)** MODULATING SATELLITE CAPACITY  
**(51)** Int. Cl.  
**H04B 7/185** ( 2006.01 )
- 
- B64G 1/10** ( 2006.01 )  
**B64G 1/42** ( 2006.01 )  
**H04W 52/02** ( 2009.01 )  
**(87)** WO2022/066154  
**(43)** 31.03.2022  
**(72)** BUER, Kenneth V.  
**(74)** Adams Pluck
- 
- (71)** VIELE, S.  
**(11)** AU-A-2021331104  
**(21)** 2021331104 **(22)** 09.07.2021  
**(54)** METHOD AND DEVICE FOR DETERMINING A MENTAL STATE OF A USER  
**(51)** Int. Cl.  
**A61B 5/16** ( 2006.01 )  
**A61B 5/00** ( 2006.01 )  
**A61B 5/0531** ( 2021.01 )  
**A61B 5/01** ( 2006.01 )  
**A61B 5/024** ( 2006.01 )  
**(87)** WO2022/042924  
**(31)** 2013220.5 **(32)** 24.08.20 **(33)** GB  
**(43)** 03.03.2022  
**(72)** VIELE, Sara  
**(74)** Alex Rowley
- 
- (71)** VIEWPOINT THERAPEUTICS, INC.  
**(11)** AU-A-2021331624  
**(21)** 2021331624 **(22)** 30.08.2021  
**(54)** COMPOUNDS AND FORMULATIONS FOR TREATING OPHTHALMIC DISEASES  
**(51)** Int. Cl.  
**C07D 403/12** ( 2006.01 )  
**A61K 31/404** ( 2006.01 )  
**A61P 27/02** ( 2006.01 )  
**A61P 27/12** ( 2006.01 )  
**C07D 401/14** ( 2006.01 )  
**C07D 403/14** ( 2006.01 )  
**C07D 405/14** ( 2006.01 )  
**C07D 417/14** ( 2006.01 )  
**C07D 471/04** ( 2006.01 )  
**C07D 491/048** ( 2006.01 )  
**(87)** WO2022/047315  
**(31)** 63/072,724 **(32)** 31.08.20 **(33)** US  
**(43)** 03.03.2022  
**(72)** LOPEZ, Michael S.; DUNYAK, Bryan M.  
**(74)** FB Rice Pty Ltd
- 
- (71)** VISA INTERNATIONAL SERVICE ASSOCIATION  
**(11)** AU-A-2022338171  
**(21)** 2022338171 **(22)** 31.08.2022  
**(54)** SYSTEM, METHOD, AND COMPUTER PROGRAM PRODUCT FOR CONSENT MANAGEMENT  
**(51)** Int. Cl.  
**G06F 21/60** ( 2013.01 )  
**G06F 21/62** ( 2013.01 )  
**H04W 12/08** ( 2021.01 )  
**(87)** WO2023/034368  
**(31)** 63/238,945 **(32)** 31.08.21 **(33)** US  
 63/314,744 28.02.22 US  
**(43)** 09.03.2023  
**(72)** BELLA, Kimberly, E.; BAID, Nirmal, Kumar; HEDGES, Robert, B., Jr; HENSTOCK, David, Alan; VELUR, Shashi,
- 
- Kumar; GUPTA, Sonia; HONG, Cindy; TWICHELL, Jonathan  
**(74)** Pizzeys Patent and Trade Mark Attorneys Pty Ltd
- 
- (71)** VIVO MOBILE COMMUNICATION CO., LTD.  
**(11)** AU-A-2021359510  
**(21)** 2021359510 **(22)** 13.10.2021  
**(54)** SN SYNCHRONIZATION METHOD, APPARATUS AND DEVICE FOR MULTICAST BROADCAST SERVICE, AND READABLE STORAGE MEDIUM  
**(51)** Int. Cl.  
**H04W 4/06** ( 2009.01 )  
**H04W 28/10** ( 2009.01 )  
**(87)** WO2022/078393  
**(31)** 202011113010.8 **(32)** 16.10.20 **(33)** CN  
**(43)** 21.04.2022  
**(72)** LIU, Jiamin  
**(74)** Adams Pluck
- 
- (71)** WALKING FISH THERAPEUTICS, INC.  
**(11)** AU-A-2021337680  
**(21)** 2021337680 **(22)** 02.09.2021  
**(54)** MODIFIED B CELLS AND METHODS OF USE THEREOF  
**(51)** Int. Cl.  
**A61K 35/12** ( 2015.01 )  
**A61K 35/17** ( 2015.01 )  
**A61K 39/00** ( 2006.01 )  
**C12N 5/0781** ( 2010.01 )  
**C12N 5/10** ( 2006.01 )  
**(87)** WO2022/051556  
**(31)** 63/073,799 **(32)** 02.09.20 **(33)** US  
**(43)** 10.03.2022  
**(72)** BOYLE, Kathleen; PARK, Hangil; KOTHAKOTA, Srinivas; SELBY, Mark; BRENNAN, Thomas; WILLIAMS, Lewis T.  
**(74)** Pizzeys Patent and Trade Mark Attorneys Pty Ltd
- 
- (71)** WALL TECHNOLOGIES PTY LTD  
**(11)** AU-A-2020345649  
**(21)** 2020345649 **(22)** 09.09.2020  
**(54)** A COMPOSITE CONCRETE PANEL FORMED OF AN AERATED CONCRETE MIXTURE AND METHOD OF MANUFACTURE  
**(51)** Int. Cl.  
**B28C 5/38** ( 2006.01 )  
**B28B 1/50** ( 2006.01 )  
**B28B 7/02** ( 2006.01 )  
**B28C 5/00** ( 2006.01 )  
**C04B 14/06** ( 2006.01 )  
**C04B 28/00** ( 2006.01 )  
**C04B 38/02** ( 2006.01 )  
**C04B 38/10** ( 2006.01 )  
**C04B 40/00** ( 2006.01 )  
**E04C 2/26** ( 2006.01 )  
**(87)** WO2021/046601  
**(43)** 18.03.2021  
**(72)** VISSER, David  
**(74)** Cooper IP Pty Ltd

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

- (71) WAVETAMER LLC  
 (11) AU-A-2021353490  
 (21) 2021353490 (22) 28.09.2021  
 (54) GYROSCOPIC ROLL STABILIZER WITH FLYWHEEL SHAFT THROUGH PASSAGE  
 (51) Int. Cl.  
*B63B 39/04* (2006.01)  
*B64G 1/28* (2006.01)  
*F16F 15/30* (2006.01)  
*F16F 15/315* (2006.01)  
*G01C 19/20* (2006.01)  
*H02K 7/02* (2006.01)  
 (87) WO2022/072350  
 (31) 63/085,324 (32) 30.09.20 (33) US  
 (43) 07.04.2022  
 (72) SOHACKI, Brian John; SIEFERT, Andrew  
 (74) Spruson & Ferguson
- 
- (71) WEIR MINERALS AUSTRALIA LTD  
 (11) AU-A-2021368230  
 (21) 2021368230 (22) 29.10.2021  
 (54) GROOVED SIDE LINER FOR CENTRIFUGAL PUMP  
 (51) Int. Cl.  
*F04D 29/42* (2006.01)  
*F04D 7/04* (2006.01)  
*F04D 17/08* (2006.01)  
*F04D 29/02* (2006.01)  
 (87) WO2022/087675  
 (31) 2020903927 (32) 29.10.20 (33) AU  
 (43) 05.05.2022  
 (72) GLAVES, Garry; CALMA, Cesar  
 (74) WEIR MINERALS AUSTRALIA LTD
- 
- (71) WENZHOU MEDICAL UNIVERSITY  
 (11) AU-A-2021346006  
 (21) 2021346006 (22) 14.09.2021  
 (54) APPLICATION OF REGULATION OF EYE SCLERA LIPID METABOLISM TO INHIBIT MYOPIA  
 (51) Int. Cl.  
*A61K 31/20* (2006.01)  
*A61P 27/02* (2006.01)  
*A61P 27/10* (2006.01)  
 (87) WO2022/057778  
 (31) 202010976517.X (32) 17.09.20 (33) CN  
 202110586293.6 27.05.21 CN  
 202111065488.2 10.09.21 CN  
 (43) 24.03.2022  
 (72) ZHOU, Xiangtian; PAN, Miaozen; ZHAO, Fei; QU, Jia  
 (74) Madderns Pty Ltd
- 
- (71) WESTROCK PACKAGING SYSTEMS, LLC  
 (11) AU-A-2021374671  
 (21) 2021374671 (22) 04.11.2021  
 (54) ARTICLE CARRIER AND BLANK THEREFOR  
 (51) Int. Cl.  
*B65D 71/42* (2006.01)  
 (87) WO2022/098838  
 (31) 63/109,944 (32) 05.11.20 (33) US  
 (43) 12.05.2022  
 (72) GARNIER, Jean-Michel  
 (74) Spruson & Ferguson
- 
- (71) WON KWANG S&T CO.,LTD.  
 (11) AU-A-2021364722  
 (21) 2021364722 (22) 16.09.2021  
 (54) SOLAR PANEL PROCESSING APPARATUS  
 (51) Int. Cl.  
*B09B 3/00* (2022.01)  
*B29B 17/00* (2006.01)  
*B29B 17/02* (2006.01)  
*B65H 41/00* (2006.01)  
 (87) WO2022/085955  
 (31) 10-2020-0137566 (32) 22.10.20 (33) KR  
 (43) 28.04.2022  
 (72) LEE, Sang Hun; KIM, Jun Kee; LEE, Tae Eun; NOH, Cheong Min  
 (74) Jones Tulloch
- 
- (71) WRAP TECHNOLOGIES, INC.  
 (11) AU-A-2021331790  
 (21) 2021331790 (22) 30.09.2021  
 (54) PROTECTIVE COVERINGS AND RELATED METHODS FOR ENTANGLING PROJECTILES  
 (51) Int. Cl.  
*F41B 15/10* (2006.01)  
*F41H 13/00* (2006.01)  
 (87) WO2022/047435  
 (31) 17/008,217 (32) 31.08.20 (33) US  
 (43) 03.03.2022  
 (72) KLUUG, Scott L.; CHIANG, Andrew Lin; JACOBSEN, Arik H.  
 (74) FB Rice Pty Ltd
- 
- (71) XBIOTECH INC.  
 (11) AU-A-2021356341  
 (21) 2021356341 (22) 04.10.2021  
 (54) TRUE HUMAN ANTIBODY SPECIFIC FOR INTERLEUKIN 1 ALPHA (IL-1 $\alpha$ )  
 (51) Int. Cl.  
*A61K 39/395* (2006.01)  
*A61P 29/00* (2006.01)  
*C07K 16/24* (2006.01)  
 (87) WO2022/073104  
 (31) 3,095,679 (32) 07.10.20 (33) CA  
 (43) 14.04.2022  
 (72) SIMARD, John; SHIVASWAMY, Sushma; KUZMICHEVA, Galina  
 (74) Spruson & Ferguson
- 
- (71) XENCOR, INC.  
 (11) AU-A-2021357805  
 (21) 2021357805 (22) 06.10.2021  
 (54) BIOMARKERS, METHODS, AND COMPOSITIONS FOR TREATING AUTOIMMUNE DISEASE INCLUDING SYSTEMIC LUPUS ERYTHEMATOUS (SLE)  
 (51) Int. Cl.  
*C07K 16/28* (2006.01)  
*A61P 37/06* (2006.01)  
*G01N 33/564* (2006.01)  
 (87) WO2022/076573  
 (31) 63/088,444 (32) 06.10.20 (33) US  
 63/108,138 30.10.20 US
- 
- (71) XENOTHERAPEUTICS, INC.; ALEXIS BIO, INC.  
 (11) AU-A-2021333671  
 (21) 2021333671 (22) 24.08.2021  
 (54) IMMUNOLOGICALLY COMPATIBLE CELLS, TISSUES, ORGANS, AND METHODS FOR TRANSPLANTATION FOR SILENCING, HUMANIZATION, AND PERSONALIZATION WITH MINIMIZED COLLATERAL GENOMIC DISRUPTIONS  
 (51) Int. Cl.  
*A01K 67/027* (2006.01)  
*C07K 14/74* (2006.01)  
*C12N 9/10* (2006.01)  
*C12N 15/85* (2006.01)  
*C12N 15/877* (2010.01)  
*C12N 15/90* (2006.01)  
 (87) WO2022/046824  
 (31) 63/069,569 (32) 24.08.20 (33) US  
 (43) 03.03.2022  
 (72) HOLZER, Paul W.; ADKINS, Jon; MONROY, Rodney L.; CHANG, Elizabeth J.; ROGERS, Kaitlyn  
 (74) FPA Patent Attorneys Pty Ltd
- 
- (71) XYLEM EUROPE GMBH  
 (11) AU-A-2021350322  
 (21) 2021350322 (22) 20.09.2021  
 (54) OPEN IMPELLER FOR SUBMERGIBLE PUMP CONFIGURED FOR PUMPING LIQUID COMPRISING ABRASIVE MATTER  
 (51) Int. Cl.  
*F04D 29/24* (2006.01)  
*F04D 7/04* (2006.01)  
*F04D 13/08* (2006.01)  
*F04D 29/16* (2006.01)  
*F04D 29/22* (2006.01)  
 (87) WO2022/063712  
 (31) 20197445.8 (32) 22.09.20 (33) EP  
 (43) 31.03.2022  
 (72) WIKSTRÖM, Jan  
 (74) Davies Collison Cave Pty Ltd
- 
- (71) YANSHAN UNIVERSITY  
 (11) AU-A-2022251335  
 (21) 2022251335 (22) 01.04.2022  
 (54) HYDRAULIC ACTIVE SUSPENSION FLOW CONTROL SYSTEM  
 (51) Int. Cl.  
*F15B 11/17* (2006.01)  
*B60G 17/015* (2006.01)  
*B60G 17/019* (2006.01)  
*B60W 10/22* (2006.01)  
*F15B 1/02* (2006.01)  
*F15B 19/00* (2006.01)  
 (87) WO2022/206957  
 (31) 202110361524.3 (32) 02.04.21 (33) CN

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

- (43) 06.10.2022  
 (72) ZHAO, Dingxuan; ZHU, Jianxu; GONG, Mingde; LIU, Shuang; ZHANG, Zhuxin; SUN, Zhiguo; NI, Tao; YANG, Bin; CHEN, Hao; HAN, Mingyuan  
 (74) Madderns Pty Ltd
- 
- (71) YANSHAN UNIVERSITY  
 (11) AU-A-2022296361  
 (21) 2022296361 (22) 07.04.2022  
 (54) ACTIVE SUSPENSION INERTIA REGULATION METHOD BASED ON VEHICLE-FRONT TERRAIN, AND CONTROL SYSTEM  
 (51) Int. Cl.  
*B60G 17/018* ( 2006.01 )  
*B60G 17/015* ( 2006.01 )  
*B60G 17/0165* ( 2006.01 )  
 (87) WO2022/267620  
 (31) 202110714689.4 (32) 26.06.21 (33) CN  
 (43) 29.12.2022  
 (72) ZHAO, Dingxuan; NI, Tao; GONG, Mingde; LIU, Shuang; ZHANG, Zhuxin; SUN, Zhiguo  
 (74) Madderns Pty Ltd
- 
- (71) YANSHAN UNIVERSITY  
 (11) AU-A-2022299868  
 (21) 2022299868 (22) 07.04.2022  
 (54) VEHICLE ACTIVE SUSPENSION INERTIA REGULATION METHOD BASED ON WHEEL SUPPORTING FORCE, AND CONTROL SYSTEM  
 (51) Int. Cl.  
*B60G 17/015* ( 2006.01 )  
*B60G 17/018* ( 2006.01 )  
*B60G 17/08* ( 2006.01 )  
 (87) WO2022/267621  
 (31) 202110714847.6 (32) 26.06.21 (33) CN  
 (43) 29.12.2022  
 (72) ZHAO, Dingxuan; LIU, Shuang; GONG, Mingde; ZHANG, Zhuxin; SUN, Zhiguo; YANG, Bin  
 (74) Madderns Pty Ltd
- 
- (71) YATES, R.  
 (11) AU-A-2021350735  
 (21) 2021350735 (22) 24.09.2021  
 (54) INCENTIVIZING REPEAT TRANSACTIONS WITH MERCHANTS WITHIN A PRESCRIBED GEOGRAPHIC AREA USING PAYMENT PROCESSING NETWORK DATA  
 (51) Int. Cl.  
*G06Q 30/02* ( 2023.01 )  
*H04W 4/02* ( 2018.01 )  
 (87) WO2022/067095  
 (31) 63/083,658 (32) 25.09.20 (33) US  
 63/087,046 02.10.20 US  
 63/088,518 07.10.20 US  
 63/112,928 12.11.20 US  
 63/244,123 14.09.21 US  
 (43) 31.03.2022  
 (72) YATES, Rodney  
 (74) FPA Patent Attorneys Pty Ltd
- 
- (71) YAZAKI ENERGY SYSTEM CORPORATION  
 (11) AU-A-2021406571  
 (21) 2021406571 (22) 22.11.2021  
 (54) FOAMED GLASS BODY, HEAT INSULATOR USING FOAMED GLASS BODY, AND METHOD FOR MANUFACTURING FOAMED GLASS BODY  
 (51) Int. Cl.  
*C03B 19/08* ( 2006.01 )  
*C03C 11/00* ( 2006.01 )  
 (87) WO2022/137942  
 (31) 2020-210922 (32) 21.12.20 (33) JP  
 (43) 30.06.2022  
 (72) NAKAMURA Takuju  
 (74) Spruson & Ferguson
- 
- (71) YSN IMPORTS, LLC  
 (11) AU-A-2021331661  
 (21) 2021331661 (22) 31.08.2021  
 (54) QUICK-FILL APPARATUS, SYSTEM AND METHOD FOR FUEL VALVES  
 (51) Int. Cl.  
*B65B 1/04* ( 2006.01 )  
*F16K 1/30* ( 2006.01 )  
*F16K 21/04* ( 2006.01 )  
*F16K 24/00* ( 2006.01 )  
*F17C 5/00* ( 2006.01 )  
*F17C 13/04* ( 2006.01 )  
 (87) WO2022/047409  
 (31) 63/072,713 (32) 31.08.20 (33) US  
 (43) 03.03.2022  
 (72) NEWMAN, Shmuel, Dovid; BROWN, Jeff  
 (74) Davies Collison Cave Pty Ltd
- 
- (71) YZTHERAPEUTIC PERFORMANCE LTD.  
 (11) AU-A-2021337864  
 (21) 2021337864 (22) 31.08.2021  
 (54) CELLULAR COMPOSITION FOR TREATMENT OF DISEASES, DISORDERS OR CONDITIONS AND METHOD OF USE  
 (51) Int. Cl.  
*A61K 35/28* ( 2015.01 )  
*A61K 35/17* ( 2015.01 )  
*A61P 9/00* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
*A61P 37/00* ( 2006.01 )  
 (87) WO2022/049574  
 (31) 63/073,792 (32) 02.09.20 (33) US  
 (43) 10.03.2022  
 (72) GUY, Yaacov  
 (74) PHILLIPS ORMONDE FITZPATRICK
- 
- (71) ZANNAN SCITECH CO., LTD.  
 (11) AU-A-2021346019  
 (21) 2021346019 (22) 16.09.2021  
 (54) LIQUID HYDROGENATED NITRILE-BUTADIENE RUBBER, PREPARATION METHOD THEREFOR AND USE THEREOF  
 (51) Int. Cl.  
*C08F 236/12* ( 2006.01 )  
*C08F 8/04* ( 2006.01 )  
 (87) WO2022/057848  
 (31) 202010975532.2 (32) 16.09.20 (33) CN
- 
- (43) 24.03.2022  
 (72) ZHAN, Zheng-Yun James  
 (74) PHILLIPS ORMONDE FITZPATRICK
- 
- (71) ZBIOTICS COMPANY  
 (11) AU-A-2021358080  
 (21) 2021358080 (22) 07.10.2021  
 (54) ENGINEERED PROBIOTICS FOR EXPRESSION OF FIBER-SYNTHESIZING ENZYMES IN GUT  
 (51) Int. Cl.  
*A61K 35/74* ( 2015.01 )  
*A61K 35/741* ( 2015.01 )  
*A61K 35/744* ( 2015.01 )  
*A61K 35/745* ( 2015.01 )  
*A61P 1/00* ( 2006.01 )  
*C12N 1/15* ( 2006.01 )  
 (87) WO2022/076693  
 (31) 63/089,334 (32) 08.10.20 (33) US  
 (43) 14.04.2022  
 (72) ABBOTT, Zachary D.; OLIVER, John William Kidder  
 (74) FB Rice Pty Ltd
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- (71) ZEBRA TECHNOLOGIES CORPORATION  
 (11) AU-A-2021362181  
 (21) 2021362181 (22) 13.10.2021  
 (54) MEDIA CARTRIDGE AND MEDIA PROCESSING DEVICE ENGAGEMENT MECHANISMS  
 (51) Int. Cl.  
*B41J 13/00* ( 2006.01 )  
*B41J 2/00* ( 2006.01 )  
*B41J 15/02* ( 2006.01 )  
*B41J 15/04* ( 2006.01 )  
*B41J 17/16* ( 2006.01 )  
*B41J 33/14* ( 2006.01 )  
*B41J 35/28* ( 2006.01 )  
 (87) WO2022/081667  
 (31) 17/071,593 (32) 15.10.20 (33) US  
 (43) 21.04.2022  
 (72) MALONE, Morgan Hassan; MAYNARD, Raymond E.; CHOW, Steve Ting Kei; ST. GERMAIN, Michael F.; ROSALES, Angel B.  
 (74) Spruson & Ferguson
- 
- (71) ZENFLOW, INC.  
 (11) AU-A-2021356654  
 (21) 2021356654 (22) 07.10.2021  
 (54) SYSTEMS, DEVICES, AND METHODS FOR THE RETRIEVAL OF AN IMPLANT IN THE PROSTATIC URETHRA  
 (51) Int. Cl.  
*A61F 2/95* ( 2013.01 )  
*A61B 1/307* ( 2006.01 )  
*A61F 2/962* ( 2013.01 )  
*A61F 2/966* ( 2013.01 )  
 (87) WO2022/076646  
 (31) 63/089,205 (32) 08.10.20 (33) US  
 (43) 14.04.2022  
 (72) MEHTA, Shreya; WEISS, Aaron M.; BLY, Austin Michael  
 (74) AJ PARK

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(71) ZENTEK LTD.  
(11) AU-A-2021345508  
(21) 2021345508 (22) 20.09.2021  
(54) GRAPHENE-SILVER NANOCOMPOS-  
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(51) Int. Cl.  
A61L 2/238 ( 2006.01 )  
A61L 2/18 ( 2006.01 )  
(87) WO2022/056645  
(31) 63/081,301 (32) 21.09.20 (33) US  
63/128,993 22.12.20 US  
63/161,873 16.03.21 US  
(43) 24.03.2022  
(72) HADDADI, Seyyedarash; VAN DER  
Kuur, Colin; KORKIS, Joseph; SRID-  
HAR, Deepak  
(74) James & Wells Intellectual Property

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(71) ZHANG, D.  
(11) AU-A-2021359474  
(21) 2021359474 (22) 11.10.2021  
(54) CONTRACT TRADING DEVICE  
(51) Int. Cl.  
G06Q 40/04 ( 2012.01 )  
(87) WO2022/078303  
(31) 202011104069.0 (32) 18.10.20 (33) CN  
202011457356.X 13.12.20 CN  
202110132451.0 31.01.21 CN  
(43) 21.04.2022  
(72) ZHANG, Dacheng; CHEN, Jie; ZHANG,  
Chao; HOU, Dianjie; WANG, Xin; GUO,  
Zichuan; LIANG, Yao  
(74) Madderns Pty Ltd

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(71) ZHAO, Y.  
(11) AU-A-2020464490  
(21) 2020464490 (22) 08.12.2020  
(54) PREPARATION METHOD FOR AND  
USE OF HIGH-PURITY POWDER MA-  
TERIAL AND BIPHASIC POWDER MA-  
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(51) Int. Cl.  
B22F 9/08 ( 2006.01 )  
B22F 1/00 ( 2022.01 )  
B82Y 40/00 ( 2011.01 )  
(87) WO2022/036938  
(31) 202010838571.8 (32) 19.08.20 (33) CN  
(43) 24.02.2022  
(72) ZHAO, Yuanyun; LIU, Li  
(74) Remarkable IP

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2021349959	UNIVERSITY OF CINCINNATI	2021355381	AMGEN INC.
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2021350024	FLAGSHIP PIONEERING INNOVATIONS V, INC.	2021355480	BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM
2021350034	UNIVERSITY OF CINCINNATI	2021355743	HAI ROBOTICS CO., LTD.
2021350091	BARD ACCESS SYSTEMS, INC.	2021355869	DSM AUSTRIA GMBH
2021350096	CAREFUSION 303, INC.	2021356027	BD KIESTR A B.V.
2021350100	SONOS, INC.	2021356108	QIAGEN GMBH
2021350118	LA-Z-BOY INCORPORATED	2021356146	CHIESI FARMACEUTICI S.P.A.
2021350153	ENVOLA GMBH	2021356239	ACKLAND, I.
2021350174	THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY	2021356264	ATLAS COPCO AIRPOWER, NAAMLOZE VENNOOTSCHAP
2021350180	CASE WESTERN RESERVE UNIVERSITY	2021356298	LINE 6 BIOTECHNOLOGY, INC
2021350195	VESTARON CORPORATION	2021356330	SIGNATURE ORTHOPAEDICS EUROPE LTD
2021350294	TRISCO ICAP PTY LTD	2021356341	XBIOTECH INC.
2021350322	XYLEM EUROPE GMBH	2021356392	JAPAN AVIATION ELECTRONICS INDUSTRY, LIMITED; TOKYO INSTITUTE OF TECHNOLOGY
2021350333	SANIONA A/S	2021356654	ZENFLOW, INC.
2021350489	NEURINNOV; CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE; INRIA - INSTITUT NATIONAL DE RECHERCHE EN INFORMATIQUE ET EN AUTOMATIQUE; UNIVERSITÉ DE MONTPELLIER	2021356692	INOZYME PHARMA, INC.; YALE UNIVERSITY
2021350502	B-HIVE INNOVATIONS LIMITED	2021357355	PHILIP MORRIS PRODUCTS S.A.
2021350567	BIOCOMPATIBLES UK LIMITED	2021357360	STADA ARZNEIMITTEL AG; XBRANE BIOPHARMA AB
2021350586	FRESHAPE SA	2021357519	ILDONG PHARMACEUTICAL CO., LTD.
2021350631	SONOCO DEVELOPMENT, INC.	2021357676	SECURTER SYSTEMS INC.
2021350713	UNIVERSITY OF CINCINNATI	2021357737	CRODA INTERNATIONAL PLC
2021350735	YATES, R.	2021357742	QIAGEN GMBH
2021350787	DAIKIN INDUSTRIES, LTD.	2021357750	PHILIP MORRIS PRODUCTS S.A.
2021350860	JANSSEN PHARMACEUTICALS, INC.; NEW YORK UNIVERSITY	2021357791	LG ENERGY SOLUTION, LTD.
2021351246	DANIELI & C. OFFICINE MECCANICHE S.P.A.	2021357799	PHYNEXUS, INC.
2021351475	CAREFUSION 303, INC.	2021357805	XENCOR, INC.
2021351491	GILEAD SCIENCES, INC.	2021357884	JAPAN AVIATION ELECTRONICS INDUSTRY, LIMITED; TOKYO INSTITUTE OF TECHNOLOGY
2021351498	AMGEN INC.	2021358028	PAYPAL, INC.
2021351536	IMAGO BIOSCIENCES, INC.	2021358031	GENENTECH, INC.
		2021358033	AMGEN INC.

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2021358080	ZBIOTICS COMPANY	2021376195	GREEN SOLUTIONS GROUP, LLC
2021358103	GEORAMA, INC.	2021376330	BLUE RIVER TECHNOLOGY INC.
2021358139	MACFARLANE BURNET INSTITUTE FOR MEDICAL RESEARCH AND PUBLIC HEALTH LIMITED	2021377491	ALCON INC.
2021358289	PHILIP MORRIS PRODUCTS S.A.	2021378792	CALIFORNIA INSTITUTE OF TECHNOLOGY
2021358584	LUCON ENGINEERING, INC.; LUCON, P.A.	2021379006	KRAUSS-MAFFEI WEGMANN GMBH & CO. KG
2021358599	CNX RESOURCES CORPORATION	2021379518	EPIROC ROCK DRILLS AKTIEBOLAG
2021358662	PFIZER INC.; CHILDREN'S MEDICAL CENTER CORPORATION	2021379913	O2 PARTNERS, LLC
2021358700	D.E. SHAW RESEARCH, LLC	2021380785	HILTI AKTIENGESSELLSCHAFT
2021358758	BIO 54, LLC	2021381242	ELECTRICAL SUBSEA & DRILLING AS
2021358884	THE BOEING COMPANY	2021381436	CORTEVA AGRISCIENCE LLC
2021359003	ADS THERAPEUTICS LLC	2021381530	SOCIÉTÉ DES PRODUITS NESTLÉ S.A.
2021359074	SCHOLLE IPN IP B.V.	2021381638	SICHUAN KELUN PHARMACEUTICAL RESEARCH INSTITUTE CO., LTD.
2021359474	ZHANG, D.	2021382710	CORTEVA AGRISCIENCE LLC
2021359510	VIVO MOBILE COMMUNICATION CO., LTD.	2021384825	CHR. HANSEN A/S
2021359771	R.G.C.C. HOLDINGS AG	2021386640	SOCIÉTÉ DES PRODUITS NESTLÉ S.A.
2021359844	THE REGENTS OF THE UNIVERSITY OF MICHIGAN	2021390107	CHINA MOBILE GROUP DESIGN INSTITUTE CO., LTD.; CHINA MOBILE COMMUNICATIONS GROUP CO., LTD.
2021360214	ICEYE OY	2021390428	RAYTHEON COMPANY
2021360228	DSM IP ASSETS B.V.; NOVOZYMES A/S	2021396659	ACM BIOLABS PTE LTD
2021360496	ALIGOS THERAPEUTICS, INC.	2021399257	SYLANS SAGL
2021360515	MIDREX TECHNOLOGIES, INC.	2021400300	ITRON, INC.
2021360726	BECTON, DICKINSON AND COMPANY	2021401747	THAT CORPORATION
2021360822	MERLIN LABS, INC.	2021401768	HUSQVARNA AB
2021361028	MARS, INCORPORATED	2021401857	ITRON, INC
2021361086	SHELL INTERNATIONALE RESEARCH MAATSCHAP-PIJ B.V.	2021406419	MITSUBISHI HEAVY INDUSTRIES THERMAL SYSTEMS, LTD.
2021361339	ROUNDHILL IP PTY LTD	2021406571	YAZAKI ENERGY SYSTEM CORPORATION
2021361847	SEWER SENTRY LLC	2021408915	EPIROC ROCK DRILLS AKTIEBOLAG
2021362140	SAAB AB	2021410776	CHAN ZUCKERBERG BIOHUB, INC.; THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY
2021362181	ZEBRA TECHNOLOGIES CORPORATION	2021427255	NINGBO INSTITUTE OF MATERIALS TECHNOLOGY AND ENGINEERING, CHINESE ACADEMY OF SCIENCES
2021362204	POPSOCKETS LLC	2021441047	CHIYODA CORPORATION
2021362240	BOSTON SCIENTIFIC SCIMED, INC.	2021460215	CHIYODA CORPORATION
2021362645	HAYS, D.; HARRIS, J.	2021462156	REFLEX LABELS LIMITED
2021362650	BECTON, DICKINSON AND COMPANY	2022229167	LG ENERGY SOLUTION, LTD.
2021362678	THE JOHNS HOPKINS UNIVERSITY	2022247599	HUAWEI TECHNOLOGIES CO., LTD.
2021362977	SHANGHAI HANSOH BIOMEDICAL CO., LTD.; JIANGSU HANSOH PHARMACEUTICAL GROUP CO., LTD.	2022251335	YANSHAN UNIVERSITY
2021364722	WON KWANG S&T CO.,LTD.	2022256157	Real-Time Robotics Inc; Luong, Q.; Phi, Q.
2021365292	NANJING NUTRABUILDING BIO-TECH CO., LTD.	2022258377	FUJIAN AKEYLINK BIOTECHNOLOGY CO., LTD.
2021365998	HEFEI HAIER REFRIGERATOR CO., LTD; HAIER SMART HOME CO., LTD.	2022268459	STATE GRID CORPORATION OF CHINA; STATE GRID SMART GRID RESEARCH INSTITUTE CO., LTD.
2021366383	BSOLVE LIMITED	2022279190	HUAWEI TECHNOLOGIES CO., LTD.
2021366446	PANOTEC S.R.L.	2022291551	Tongwei Solar (Meishan) Co., Ltd.
2021366701	10X GENOMICS, INC.	2022296361	YANSHAN UNIVERSITY
2021366939	VÄLINGE INNOVATION AB	2022299868	YANSHAN UNIVERSITY
2021367047	SHELL INTERNATIONALE RESEARCH MAATSCHAP-PIJ B.V.	2022318420	JIO PLATFORMS LIMITED
2021367116	SHELL INTERNATIONALE RESEARCH MAATSCHAP-PIJ B.V.	2022319463	LG ENERGY SOLUTION, LTD.
2021367159	DSM IP ASSETS B.V.	2022322257	HOYA TECHNOSURGICAL CORPORATION
2021368063	CAREFUSION 303, INC.	2022325170	Cambria Geosciences Inc.
2021368230	WEIR MINERALS AUSTRALIA LTD	2022329277	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH (AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGN. OF SOC. ACT (ACT XXI OF 1860))
2021368309	GLOBERIDE, INC.	2022338171	VISA INTERNATIONAL SERVICE ASSOCIATION
2021368618	RESVERLOGIX CORP.	2022350543	TASLY PHARMACEUTICAL GROUP CO., LTD.
2021368668	DSM IP ASSETS B.V.		
2021370108	SHELL INTERNATIONALE RESEARCH MAATSCHAP-PIJ B.V.		
2021370163	HEINEKEN SUPPLY CHAIN B.V.		
2021370166	CCB SUBSEA AS		
2021370459	AMSTED RAIL COMPANY, INC.		
2021370917	GEA WESTFALIA SEPARATOR GROUP GMBH		
2021370933	FRIESLANDCAMPINA NEDERLAND B.V.		
2021372524	GEN-PROBE INCORPORATED		
2021373282	RHEAVITA BV		
2021374339	EPIROC ROCK DRILLS AKTIEBOLAG		
2021374671	WESTROCK PACKAGING SYSTEMS, LLC		
2021375276	BECTON DICKINSON FRANCE		
2021375632	THE YOKOHAMA RUBBER CO., LTD.		
2021375720	ENSURGE MEDICAL (SUZHOU) CO., LTD.		
2021375879	KABUSHIKI KAISHA ACB		

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2021349091	2021376195	2021386640	2021339056	2021377491	2021328320
	<b><u>A01N 3 /-</u></b>	<b><u>A23K 10 /-</u></b>	2021341647	<b><u>A61B 34 /-</u></b>	2021328979
<b><u>A01B 79 /-</u></b>	2021376195	2021332201	<b><u>A24D 1 /-</u></b>	2021350091	2021329842
2021336525	<b><u>A01N 31 /-</u></b>	2021355869	2021357750	<b><u>A61B 5 /-</u></b>	2021330539
<b><u>A01C 21 /-</u></b>	2021376195	<b><u>A23K 20 /-</u></b>	2021358289	2021327391	2021331624
2021336525	<b><u>A01N 33 /-</u></b>	2021355869	<b><u>A24F 40 /-</u></b>	2021328743	2021333655
2021376330	2021376195	2021360228	2021346827	2021331104	2021334316
<b><u>A01D 33 /-</u></b>	2021376195	<b><u>A23K 50 /-</u></b>	2021347437	2021332107	2021335418
2021350502	<b><u>A01N 37 /-</u></b>	2021355869	2021347760	2021343520	2021335500
<b><u>A01G 13 /-</u></b>	2021334407	2021360228	2021348345	2021345422	2021336289
2021334278	2021382710	<b><u>A23L 11 /-</u></b>	2021358289	2021349939	2021337583
<b><u>A01G 25 /-</u></b>	<b><u>A01N 39 /-</u></b>	2021332201	<b><u>A41D 13 /-</u></b>	2021349959	2021339038
2021339838	2020472085	<b><u>A23L 2 /-</u></b>	2021375879	2021350034	2021339844
2021345205	<b><u>A01N 43 /-</u></b>	2021330125	<b><u>A45C 13 /-</u></b>	2021350713	2021340890
<b><u>A01G 7 /-</u></b>	2021357737	2021330921	2021362204	2021353432	2021341865
2021339838	2021376195	2021332291	<b><u>A47C 1 /-</u></b>	2021353563	2021342529
	2021382710	2021334283	2021350118	2021362650	2021342558
<b><u>A01G 9 /-</u></b>	<b><u>A01N 59 /-</u></b>	<b><u>A23L 25 /-</u></b>	<b><u>A47C 7 /-</u></b>	<b><u>A61B 6 /-</u></b>	2021342704
2021334278	2021328515	2021332201	2021350118	2021327391	2021343591
2021345205	<b><u>A01N 63 /-</u></b>	<b><u>A23L 29 /-</u></b>	<b><u>A47J 37 /-</u></b>	2021327391	2021346006
<b><u>A01H 3 /-</u></b>	2021342965	2021350294	2021344915	2021339091	2021346236
2021342965	2021350195	2021355869	<b><u>A47K 10 /-</u></b>	<b><u>A61B 90 /-</u></b>	2021347760
<b><u>A01H 5 /-</u></b>	<b><u>A01P 1 /-</u></b>	<b><u>A23L 3 /-</u></b>	2020464752	2021348345	2021348345
2021328620	2021327928	2021332201	2021330790	2021327391	2021349772
<b><u>A01H 6 /-</u></b>	<b><u>A01P 13 /-</u></b>	<b><u>A23L 33 /-</u></b>	<b><u>A47K 17 /-</u></b>	2021339091	2021350180
2021328620	2020472085	2021353115	2021327391	<b><u>A61C 19 /-</u></b>	2021350333
<b><u>A01K 67 /-</u></b>	<b><u>A01P 21 /-</u></b>	2021386640	<b><u>A47L 13 /-</u></b>	2021366383	2021351491
2021333671	2021342965	<b><u>A23L 5 /-</u></b>	2021280374	<b><u>A61C 7 /-</u></b>	2021351536
<b><u>A01K 87 /-</u></b>	<b><u>A01P 3 /-</u></b>	2021350294	<b><u>A61B 1 /-</u></b>	2021366383	2021355480
2021368309	2021327928	2021355869	2021356654	<b><u>A61F 13 /-</u></b>	2021356146
<b><u>A01M 7 /-</u></b>	<b><u>A21B 1 /-</u></b>	<b><u>A23P 10 /-</u></b>	<b><u>A61B 17 /-</u></b>	2021366383	2021357519
2021329040	2021345503	2021332201	2021328118	<b><u>A61F 2 /-</u></b>	2021358700
<b><u>A01N 1 /-</u></b>	<b><u>A23C 9 /-</u></b>	2021386640	2021329641	2021327391	2021359003
2021376195	2021384825	<b><u>A24B 15 /-</u></b>	2021343194	<b><u>A61F 9 /-</u></b>	2021359844
<b><u>A01N 25 /-</u></b>	<b><u>A23F 3 /-</u></b>	2021347760	2021343489	2021329392	2021362678
2020472085	2021330921	2021348345	2021350091	2021329641	2021365292
2021327928	<b><u>A23F 5 /-</u></b>	2021357355	2021353035	2021343194	2021368618
2021328515	2021330921	<b><u>A24B 3 /-</u></b>	2021358758	2021356330	2021381638
2021334407	2021330921	2021339056	2021362650	2021356654	2022258377
2021357737	2021330921	2021341647	2021375720	2021362240	2022350543
			<b><u>A61B 18 /-</u></b>	2021368668	<b><u>A61K 33 /-</u></b>
			2021227084	<b><u>A61F 9 /-</u></b>	2021330539
				2021339091	2021330691
				<b><u>A61J 1 /-</u></b>	<b><u>A61K 35 /-</u></b>
				2021347130	2021332334
				2021353755	2021333655
				<b><u>A61K 31 /-</u></b>	2021335027
				2020466790	2021337680
				2020469868	2021337864
				2020470423	2021342481
				2020470624	2021347595
				2021306414	2021348239
				2021326917	2021353115
					2021358080
					2021410776
					<b><u>A61K 36 /-</u></b>
					2021339038
					2021347760

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2021348345	2021353103	<b><u>A61M 16/-</u></b>	<b><u>A61P 11/-</u></b>	2021340243	<b><u>A61P 7/-</u></b>
2022350543	2021356146			2021342497	
<b><u>A61K 38/-</u></b>	2021359844	2021330691	2021331947	2021342704	2021339844
	<b><u>A61K 48/-</u></b>	2021344755	2021356146	2021344644	2021340890
2021327861		2021345422	<b><u>A61P 13/-</u></b>	2021351491	<b><u>A61P 9/-</u></b>
2021329403	2021329702	<b><u>A61M 25/-</u></b>		2021359771	
2021338639	2021330936		2021368618	2021360496	2021332121
2021340243	2021354159	2021344330	<b><u>A61P 17/-</u></b>	2021378792	2021334316
2021345312	2021356692	2021353035		2022258377	2021337864
2021347150		2021353851	<b><u>A61P 33/-</u></b>	<b><u>A61P 33/-</u></b>	2021346236
2021347236	<b><u>A61K 49/-</u></b>	2021360726		2021335500	2022350543
2021347408		2021362650		2021350195	<b><u>A61Q 11/-</u></b>
2021350017	2021347150	<b><u>A61M 3/-</u></b>		<b><u>A61P 35/-</u></b>	2021366383
2021350860	<b><u>A61K 51/-</u></b>	2021347245	<b><u>A61P 19/-</u></b>		
2021352174				2020469868	<b><u>A61Q 19/-</u></b>
2021355869	2021330382	<b><u>A61M 35/-</u></b>	2021327387	2020470423	
2021410776	2021347150		2021338639	2021326917	2021339038
<b><u>A61K 39/-</u></b>	<b><u>A61K 6/-</u></b>	2021358758	2021339038	2021327861	<b><u>A62B 18/-</u></b>
		<b><u>A61M 39/-</u></b>	2021342529	2021328979	
2021326938	2021346850		2021352174	2021329842	2021345422
2021330539	<b><u>A61K 8/-</u></b>	2021331640	<b><u>A61P 21/-</u></b>	2021330382	
2021330836		2021344431		2021330879	<b><u>A62C 19/-</u></b>
2021330879	2021339038	2021344961	2021340584	2021331476	
2021331947	2021366383	2021347130	2021352174	2021332334	2021328062
2021333572	<b><u>A61K 9/-</u></b>	2021347687	<b><u>A61P 25/-</u></b>	2021337650	<b><u>A62C 3/-</u></b>
2021333886		2021350096		2021337864	
2021337650	2021328320	2021350567	2021331193	2021342497	2021328062
2021337680	2021329702	2021351475	2021336662	2021342529	2021357791
2021339758	2021329842	2021353851	2021342529	2021343591	<b><u>A62C 31/-</u></b>
2021339978	2021335418	2021353858	2021362678	2021344164	
2021344422	2021335500	2021355352	2021381638	2021344385	2021357791
2021344644	2021342481	2021360726	<b><u>A61P 27/-</u></b>	2021344422	
2021347236	2021347236	2021368063		2021347288	<b><u>B01D 11/-</u></b>
2021350174	2021352111	<b><u>A61M 5/-</u></b>	2021331624	2021347595	
2021350860	2021350180		2021342497	2021347807	2021343571
2021352111	2021356146	2020465340	2021346006	2021348239	2021345381
2021353854	2021359003	2020471940	2021356298	2021350180	<b><u>B01D 15/-</u></b>
2021353977	<b><u>A61L 2/-</u></b>	2021331640	2021362678	2021352111	
2021356298		2021335488	<b><u>A61P 29/-</u></b>	2021352174	2021370933
2021356341	2021345508	2021342785		2021353977	
2021358031	2021375276	2021343520	2020470423	2021357519	<b><u>B01D 21/-</u></b>
2021358139	<b><u>A61L 27/-</u></b>	2021344431	2021341865	2021358031	
2021359771		2021344961	2021342497	2021362977	<b><u>B01D 21/-</u></b>
2021362977	<b><u>A61L 27/-</u></b>	2021346114	2021350333		2021327091
2021378792		2021347245	2021352174	<b><u>A61P 37/-</u></b>	2021349962
2021396659	<b><u>A61L 29/-</u></b>	2021347257	2021353854		<b><u>B01D 53/-</u></b>
2021410776		2021347274	2021356341	2021326938	
<b><u>A61K 45/-</u></b>	2021327928	2021347687	2021357519	2021337864	2021344444
	<b><u>A61M 1/-</u></b>	2021351475	2021357519	2021340890	2021347133
2021330539		2021353755	<b><u>A61P 3/-</u></b>	2021342529	2021356264
2021335418	2021343489	2021353851		2021343591	<b><u>B01J 2/-</u></b>
2021337583	2021348353	2021368063	2021306414	2021345181	
2021342704	<b><u>A61M 11/-</u></b>	<b><u>A61N 1/-</u></b>	2021336289	2021347807	2021328002
2021346236			2021336662	2021357519	
2021356146	2021335395	2020468179	2021340890	2021357805	<b><u>B01J 20/-</u></b>
<b><u>A61K 47/-</u></b>	2021338920	2021355453	2021342529	2021358662	
	2021358289	<b><u>A61P 1/-</u></b>	2021349772		2022329277
2021329702	<b><u>A61M 15/-</u></b>		<b><u>A61P 31/-</u></b>	<b><u>A61P 43/-</u></b>	
2021329842		2021336289		2021336662	<b><u>B01J 23/-</u></b>
2021330382	2021335395	2021340243	2021326938	2021339038	
2021330879	2021345422	2021342481	2021327928	2021342481	2021334758
2021335418	2021345422	2021342481	2021330836		2021441047
2021340243	2021356146	2021353115	2021331214	<b><u>A61P 5/-</u></b>	<b><u>B01J 35/-</u></b>
2021341461	2021358289	2021357519	2021331947		
2021342497		2021358080	2021333886	2020470624	2021441047
2021345312			2021339978	2021355869	
2021347760					
2021348345					
2021350180					

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2021353755	2021346948	2021362140	<b><u>B60D 1 /-</u></b>	2021366446	2021375632
2021357799	<b><u>B24B 27 /-</u></b>	<b><u>B32B 17 /-</u></b>	2021347445	<b><u>B65D 23 /-</u></b>	<b><u>B65G 47 /-</u></b>
2021358139	2021346948	2021341520	<b><u>B60G 17 /-</u></b>	2021330829	2021360515
<b><u>B04B 1 /-</u></b>	<b><u>B24B 5 /-</u></b>	<b><u>B32B 25 /-</u></b>	2022251335	<b><u>B65D 25 /-</u></b>	<b><u>B65G 49 /-</u></b>
2021370917	2021346948	2021347153	2022296361	2021350294	2021345503
<b><u>B04B 11 /-</u></b>	<b><u>B25F 5 /-</u></b>	<b><u>B32B 27 /-</u></b>	2022299868	<b><u>B65D 41 /-</u></b>	<b><u>B65G 7 /-</u></b>
2021370917	2021401768	2021347153	2021336658	2021359074	2021360515
<b><u>B05B 11 /-</u></b>	<b><u>B25J 19 /-</u></b>	2021348788	<b><u>B60L 50 /-</u></b>	<b><u>B65D 43 /-</u></b>	<b><u>B65H 41 /-</u></b>
2021335395	2021333390	<b><u>B32B 33 /-</u></b>	2021336658	2021381530	2021364722
<b><u>B05B 9 /-</u></b>	<b><u>B28B 1 /-</u></b>	2021341520	<b><u>B60R 11 /-</u></b>	<b><u>B65D 47 /-</u></b>	<b><u>B65H 45 /-</u></b>
2021329040	2020345649	<b><u>B32B 38 /-</u></b>	2021362204	2021359074	2021366446
<b><u>B05C 5 /-</u></b>	<b><u>B28B 7 /-</u></b>	2021341520	<b><u>B60R 9 /-</u></b>	<b><u>B65D 51 /-</u></b>	<b><u>B66B 23 /-</u></b>
2021352379	2020345649	<b><u>B32B 5 /-</u></b>	2021345499	2021381530	2021348956
<b><u>B06B 1 /-</u></b>	<b><u>B28C 5 /-</u></b>	2021341520	<b><u>B60W 10 /-</u></b>	<b><u>B65D 55 /-</u></b>	<b><u>B66B 25 /-</u></b>
2021358584	2020345649	<b><u>B32B 7 /-</u></b>	2021374339	2021359074	2021348956
<b><u>B07C 5 /-</u></b>	<b><u>B29B 17 /-</u></b>	2021347153	2022251335	<b><u>B65D 61 /-</u></b>	<b><u>B67D 1 /-</u></b>
2020466611	2021364722	<b><u>B33Y 50 /-</u></b>	<b><u>B60W 20 /-</u></b>	2021345623	2021348877
<b><u>B08B 1 /-</u></b>	<b><u>B29B 9 /-</u></b>	2021329392	2021374339	<b><u>B65D 71 /-</u></b>	2021370163
2021346948	2021328002	<b><u>B33Y 80 /-</u></b>	<b><u>B60W 30 /-</u></b>	2021374671	<b><u>B67D 7 /-</u></b>
<b><u>B08B 9 /-</u></b>	<b><u>B29C 45 /-</u></b>	2021329392	2021374339	<b><u>B65D 75 /-</u></b>	2021352963
2021346948	2020464752	<b><u>B41J 13 /-</u></b>	<b><u>B60W 40 /-</u></b>	2021350631	<b><u>B82Y 40 /-</u></b>
<b><u>B09B 3 /-</u></b>	<b><u>B29C 48 /-</u></b>	2021362181	2021374339	2021359074	2020464490
2021327739	2021328002	<b><u>B41J 15 /-</u></b>	<b><u>B60W 50 /-</u></b>	<b><u>B65D 79 /-</u></b>	<b><u>C01B 3 /-</u></b>
2021364722	2021379913	2021362181	2021374339	2021375276	2021441047
<b><u>B22F 1 /-</u></b>	<b><u>B29C 65 /-</u></b>	<b><u>B41J 17 /-</u></b>	<b><u>B61F 5 /-</u></b>	<b><u>B65D 81 /-</u></b>	<b><u>C01B 5 /-</u></b>
2020464490	2021347278	2021362181	2021370459	2021327743	2021339838
2021332650	2021349290	<b><u>B41J 2 /-</u></b>	<b><u>B62H 3 /-</u></b>	2021342414	2021349968
2021334268	<b><u>B29C 67 /-</u></b>	2021362181	2021345499	2021342785	2022329277
<b><u>B22F 9 /-</u></b>	2021352379	<b><u>B41J 29 /-</u></b>	<b><u>B63B 39 /-</u></b>	2021348345	<b><u>C02F 1 /-</u></b>
2020464490	<b><u>B29K 479 /-</u></b>	2021347329	2021353490	<b><u>B65D 83 /-</u></b>	2021349962
2021332650	2021328002	<b><u>B41J 3 /-</u></b>	<b><u>B64C 27 /-</u></b>	2021327743	2021349968
2021334268	<b><u>B29K 481 /-</u></b>	2021347329	2022256157	2021358758	<b><u>C02F 3 /-</u></b>
<b><u>B23G 1 /-</u></b>	2021328002	<b><u>B41J 33 /-</u></b>	<b><u>B64G 1 /-</u></b>	<b><u>B65D 88 /-</u></b>	2021349968
2021346948	<b><u>B31B 50 /-</u></b>	2021362181	2020468922	2021342414	<b><u>C03B 19 /-</u></b>
<b><u>B23G 9 /-</u></b>	2021366446	<b><u>B41J 35 /-</u></b>	2021353490	<b><u>B65G 1 /-</u></b>	2021406571
2021346948	<b><u>B32B 1 /-</u></b>	2021362181	<b><u>B65B 1 /-</u></b>	<b><u>B65G 15 /-</u></b>	<b><u>C03C 11 /-</u></b>
<b><u>B23Q 1 /-</u></b>	2021347153	<b><u>B42D 25 /-</u></b>	2021331661	2021360515	2021406571
2021346948				<b><u>B65G 17 /-</u></b>	<b><u>C04B 111 /-</u></b>
<b><u>B23Q 3 /-</u></b>				2021360515	2021338925
2021346948				2021360515	

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<b><u>C04B 14 /-</u></b>	<b><u>C07C 29 /-</u></b>	<b><u>C07D 265 /-</u></b>	2021355480	2021352111	<b><u>C08G 65 /-</u></b>
2020345649	2021334758	2021331193	2021360496	2021352174	2021345312
2021327091		2021382710	2022258377	2021353977	
<b><u>C04B 16 /-</u></b>	<b><u>C07C 31 /-</u></b>	<b><u>C07D 277 /-</u></b>	<b><u>C07D 491 /-</u></b>	<b><u>C07K 16 /-</u></b>	<b><u>C08G 73 /-</u></b>
2021327091	2021334758	2021331193	2020471055	2021327387	2021358884
		2021381638	2021331624	2021330539	
<b><u>C04B 18 /-</u></b>	<b><u>C07C 37 /-</u></b>	<b><u>C07D 295 /-</u></b>	<b><u>C07D 498 /-</u></b>	2021330879	<b><u>C08J 11 /-</u></b>
2021338925	2021327215	2021329702	2020470423	2021330958	2021331097
			2020471055	2021331088	2021332957
<b><u>C04B 28 /-</u></b>	<b><u>C07C 39 /-</u></b>	<b><u>C07D 307 /-</u></b>	2021345181	2021333886	<b><u>C08J 3 /-</u></b>
2020345649	2021358700			2021337650	2021353103
2020474984		<b><u>C07D 401 /-</u></b>	<b><u>C07D 519 /-</u></b>	2021339978	
2021338925		2021330382	2021344422	2021344644	<b><u>C08J 5 /-</u></b>
	<b><u>C07C 65 /-</u></b>	2021331193	2021347288	2021350174	2021347278
	2021330382		2021360496	2021350860	
<b><u>C04B 33 /-</u></b>	<b><u>C07C 67 /-</u></b>	<b><u>C07D 405 /-</u></b>	<b><u>C07F 1 /-</u></b>	2021352111	<b><u>C08J 9 /-</u></b>
2020474984	2021327215	2021331193	2021331193	2021352174	2021328002
		2021331624		2021353977	2022329277
<b><u>C04B 38 /-</u></b>	2021380785	2021342529	<b><u>C07F 5 /-</u></b>	2021356298	
2020345649		2022258377	2021328979	2021356341	<b><u>C08K 3 /-</u></b>
	<b><u>C07C 69 /-</u></b>	<b><u>C07D 403 /-</u></b>	2021357519	2021357805	2021328515
	2021327215	2021331624	<b><u>C07F 7 /-</u></b>	2021358031	2021380785
<b><u>C04B 40 /-</u></b>	<b><u>C07D 207 /-</u></b>	2021341865		2021358033	
2020345649	2021331193	2021342529	<b><u>C07F 9 /-</u></b>	2021358139	<b><u>C08K 5 /-</u></b>
2020474984	2021350333	2022258377	2021381436	2021358662	
	2021358700	<b><u>C07D 405 /-</u></b>	<b><u>C07F 9 /-</u></b>	2021362977	<b><u>C08K 5 /-</u></b>
	2021382710	2021306414		<b><u>C07K 19 /-</u></b>	2021329119
<b><u>C05F 1 /-</u></b>		2021331193	<b><u>C07F 9 /-</u></b>	2021337539	
2021327739	<b><u>C07D 209 /-</u></b>	2021331193	2020470624		<b><u>C08L 101 /-</u></b>
	2021327397	2021331624	2021331193	<b><u>C07K 7 /-</u></b>	2021329119
<b><u>C05F 11 /-</u></b>	2021381436	<b><u>C07D 407 /-</u></b>	<b><u>C07H 1 /-</u></b>	2021330382	<b><u>C08L 23 /-</u></b>
2021354150	2022258377	2021331193	2021370933	2021338639	2021329119
		<b><u>C07D 413 /-</u></b>	<b><u>C07H 21 /-</u></b>	2021340243	
<b><u>C05F 17 /-</u></b>		2021306414		2021347150	<b><u>C08L 5 /-</u></b>
2021327739	<b><u>C07D 211 /-</u></b>	2021331193	2020464470	2021352111	2021350294
2021354150	2021331193	<b><u>C07D 413 /-</u></b>	<b><u>C07K 1 /-</u></b>	2021353977	
	2021382710	2021306414		<b><u>C08B 11 /-</u></b>	<b><u>C08L 67 /-</u></b>
<b><u>C07B 61 /-</u></b>	<b><u>C07D 213 /-</u></b>	2021331193	2021327861	2021350294	2021327928
2021334758	2021331193	<b><u>C07D 417 /-</u></b>	2021358139	<b><u>C08B 37 /-</u></b>	
	2021381436	2020471055	<b><u>C07K 14 /-</u></b>	2021350180	<b><u>C09D 11 /-</u></b>
<b><u>C07C 1 /-</u></b>		2021331624		2021350294	2021328515
2021380785	<b><u>C07D 231 /-</u></b>	2021339844	2021326938	<b><u>C08F 220 /-</u></b>	<b><u>C09D 163 /-</u></b>
	2021331193	<b><u>C07D 471 /-</u></b>	2021327861	2021380785	2021358884
<b><u>C07C 229 /-</u></b>		2020471055	2021328620		
2021329702	<b><u>C07D 233 /-</u></b>	2021326917	2021329403	<b><u>C08F 236 /-</u></b>	<b><u>C09D 167 /-</u></b>
	2021334327	2021331624	2021330382	2021346019	2021348788
<b><u>C07C 233 /-</u></b>	2021381436	2021340890	2021330836	<b><u>C08F 8 /-</u></b>	<b><u>C09D 17 /-</u></b>
2021329702		2021342529	2021331947	2021346019	2021347181
2021339040	<b><u>C07D 235 /-</u></b>	2021343591	2021333572	<b><u>C08G 18 /-</u></b>	
	2021327397	2021347288	2021333671	2021331097	<b><u>C09D 5 /-</u></b>
<b><u>C07C 235 /-</u></b>		2021351491	2021333886	2021332957	2021328515
2021332121	<b><u>C07D 251 /-</u></b>	2021357519	2021335027		2021343193
	2021329119	2021362678	2021337539	<b><u>C08G 61 /-</u></b>	2021348788
<b><u>C07C 25 /-</u></b>		<b><u>C07D 487 /-</u></b>	2021338639		2021358884
2021350333	<b><u>C07D 263 /-</u></b>	2021331214	2021340584	2021380785	
	2021331193	2021336662	2021342965		
<b><u>C07C 255 /-</u></b>	2021381436	2021342529	2021347150		2021328515
2021329702		2021343591	2021347595		2021343193
		2021344164	2021347807		2021348788
			2021348239		2021358884
			2021350195		
			2021350860		

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<b>C09D 7 /-</b>	2021356027	<b>C12P 21 /-</b>		<b>E01D 15 /-</b>	
2021347181	<b>C12N 1 /-</b>	2021331088	<b>C22B 26 /-</b>	2021379006	<b>E21B 23 /-</b>
2021348788	2021327739		2021344703		2021370166
2021358884	2021358080	<b>C12P 39 /-</b>		<b>E02B 3 /-</b>	
<b>C09J 127 /-</b>		2021329048	<b>C22B 3 /-</b>	2021336825	<b>E21B 31 /-</b>
2021347278	<b>C12N 15 /-</b>		2021332650		2020481635
	2020471747	<b>C12P 7 /-</b>	2021343571	<b>E02D 17 /-</b>	
<b>C09J 7 /-</b>	2021327855	2021329048	2021345381	2021336825	<b>E21B 33 /-</b>
	2021327911	2021349942			2021370166
2021362140	2021329403		<b>C22B 34 /-</b>	<b>E02D 29 /-</b>	2021381242
	2021330879	<b>C12Q 1 /-</b>	2021361339		
<b>C09K 5 /-</b>	2021330936	2020471747		2021348426	<b>E21B 34 /-</b>
	2021331947	2021343471	<b>C22B 7 /-</b>	2021361847	
2021336216	2021332334	2021356108	2021332650		2021355418
	2021333671	2021356692	2021334268	<b>E02F 3 /-</b>	<b>E21B 37 /-</b>
<b>C10G 45 /-</b>	2021337539	2021357742	2021344703	2021326883	
	2021338062	2021366701			2020481635
2021361086	2021340584	2021372524	<b>C22C 19 /-</b>	<b>E03F 5 /-</b>	
	2021342965		2021332650		<b>E21B 41 /-</b>
<b>C10G 67 /-</b>	2021349937	<b>C12R 1 /-</b>		2021361847	
	2021349942		<b>C22C 30 /-</b>		2021344593
2021337657	2021349950	2021327739	2021332650	<b>E04B 1 /-</b>	2021344837
	2021350024	2021384825	2021334268	2021340894	<b>E21B 43 /-</b>
<b>C10G 69 /-</b>	2021350174				
	2021350195	<b>C21B 3 /-</b>	<b>C22C 38 /-</b>	2021340894	2021336197
2021337657	2021352174	2021360515	2021332868		2021355374
	2021354159			<b>E04C 1 /-</b>	2021358599
<b>C10K 1 /-</b>	2021355869	<b>C21B 7 /-</b>	<b>C22C 9 /-</b>	2021340894	
	2021356692	2021342670	2021332650		<b>E21B 44 /-</b>
2021347133	2021357360		2021334268	<b>E04C 2 /-</b>	
	2021358033	<b>C21C 5 /-</b>		2020345649	2020481721
<b>C10L 1 /-</b>	2021410776	2021342670	<b>C25B 1 /-</b>	2021341520	2021344837
		2021351246	2021343569	<b>E04F 13 /-</b>	<b>E21B 47 /-</b>
2021330523	<b>C12N 5 /-</b>		2021344447	2021366939	2020481721
2021367047	2021332334	<b>C21D 1 /-</b>			2021355374
2021367116	2021336118	2021332868	<b>C25B 11 /-</b>	2021366939	<b>E21B 7 /-</b>
	2021337680		2021353475		
<b>C10L 10 /-</b>	2021342965	<b>C21D 6 /-</b>	<b>C25B 9 /-</b>	<b>E04G 19 /-</b>	2021326883
	2021346235	2021332868	2021346948	2021346948	2021336197
2021330523	2021347348				2021344837
2021367047	2021352111	<b>C21D 8 /-</b>	<b>E04G 5 /-</b>		2021379518
2021367116	2021353977	2021332868	2021346948	<b>E04G 19 /-</b>	2021408915
<b>C10L 3 /-</b>	<b>C12N 7 /-</b>	<b>C21D 9 /-</b>	<b>E06B 9 /-</b>		<b>E21C 45 /-</b>
	2021327911	2021332868	2021344766		
2021337657	2021331947			<b>E21B 10 /-</b>	2021336197
		<b>C21D 9 /-</b>	<b>E04G 5 /-</b>	2021346948	
<b>C11D 3 /-</b>	<b>C12N 9 /-</b>	2021332868	<b>E04G 5 /-</b>		
	2021329403				2021336197
2021339040	2021332334	<b>C21D 9 /-</b>	<b>E04G 5 /-</b>		<b>E21D 20 /-</b>
2021352098	2021333671	2021332868			
	2021333671		<b>C25C 1 /-</b>		2021380785
<b>C11D 7 /-</b>	2021337539	<b>C22B 1 /-</b>	2021343571		
	2021339758	2021334268	2021345381		<b>F01K 25 /-</b>
2021352098	2021349942	2021338925		<b>E21B 17 /-</b>	
	2021350024	2021345381	2021334278	2021336197	2021399257
<b>C12C 5 /-</b>	2021350024	2021361339			
	2021355869		<b>D21H 21 /-</b>		<b>F03H 1 /-</b>
2021330125	2021356692	<b>C22B 15 /-</b>	2021334278	2020481635	
2021332291	2021360228	2021332650			2021360214
2021334283	2021360228	2021343571	<b>E01B 1 /-</b>	<b>E21B 19 /-</b>	
	2021367159	2021345381	2021353966	2021379518	<b>F04B 43 /-</b>
<b>C12G 3 /-</b>				2021408915	
	<b>C12P 19 /-</b>	<b>C22B 23 /-</b>	<b>E01B 3 /-</b>		2021358584
2021330125	2020464470	2021332650		<b>E21B 21 /-</b>	
2021332291	2021367159	2021334268			<b>F04B 45 /-</b>
2021334283	2021370933	2021344703	2021353966	2021355418	
				2021358599	2021358584
<b>C12M 1 /-</b>				2021381242	
2021329048					
2021355381					

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<b><u>F04D 13 /-</u></b>	<b><u>F16L 11 /-</u></b>		2021351246		<b><u>G01S 11 /-</u></b>
2021349932	2021347153	<b><u>F24H 9 /-</u></b>		<b><u>G01G 19 /-</u></b>	2020476563
2021350322		2021350153	<b><u>F27D 3 /-</u></b>	2021327391	
<b><u>F04D 15 /-</u></b>	<b><u>F16L 15 /-</u></b>		2021342670	2021333390	<b><u>G01S 13 /-</u></b>
2021349932	2021339848	<b><u>F24S 20 /-</u></b>		<b><u>G01H 1 /-</u></b>	2021329991
		2021345205	<b><u>F28D 15 /-</u></b>	2021332948	2021350502
<b><u>F04D 17 /-</u></b>	<b><u>F16L 37 /-</u></b>		2021336216		<b><u>G01S 17 /-</u></b>
2021368230	2021347130	<b><u>F24S 60 /-</u></b>		<b><u>G01J 1 /-</u></b>	2021329991
	2021350567	2021345205	<b><u>F28D 17 /-</u></b>	2021338527	
<b><u>F04D 29 /-</u></b>	<b><u>F16L 47 /-</u></b>	<b><u>F25B 13 /-</u></b>	2021336216	<b><u>G01J 3 /-</u></b>	<b><u>G01S 3 /-</u></b>
2021349932	2021347278	2021349807		2021327980	2021344311
2021350322			<b><u>F28F 13 /-</u></b>		<b><u>G01V 1 /-</u></b>
2021368230	<b><u>F16M 11 /-</u></b>	<b><u>F25B 21 /-</u></b>	2021336216	<b><u>G01J 5 /-</u></b>	2021355374
2021375879	2021345477	2021343158		2021406419	
<b><u>F04D 7 /-</u></b>	<b><u>F16M 13 /-</u></b>	<b><u>F25B 49 /-</u></b>	2021336216	<b><u>G01N 21 /-</u></b>	<b><u>G01V 8 /-</u></b>
2021350322	2021335205	2021346997		2021327980	2021406419
2021368230	2021345477		<b><u>F41B 15 /-</u></b>	2021349937	<b><u>G02B 23 /-</u></b>
<b><u>F15B 1 /-</u></b>	2021362204	<b><u>F25B 9 /-</u></b>	2021331790		
2022251335		2021349807	<b><u>F41H 13 /-</u></b>	<b><u>G01N 27 /-</u></b>	2022322257
	<b><u>F17C 13 /-</u></b>		2021331790	2021349939	<b><u>G02B 25 /-</u></b>
<b><u>F15B 11 /-</u></b>	2021331661	<b><u>F25C 1 /-</u></b>	2021332348	2021349950	2022322257
2022251335		2021362645	<b><u>F41H 3 /-</u></b>	2021350034	
<b><u>F15B 19 /-</u></b>	<b><u>F17C 5 /-</u></b>	<b><u>F25D 23 /-</u></b>	2021362140	2021353432	<b><u>G02B 5 /-</u></b>
2022251335	2021331661	2021365998		<b><u>G01N 33 /-</u></b>	2021327980
	<b><u>F17D 1 /-</u></b>		<b><u>F42B 10 /-</u></b>	2020466790	<b><u>G05B 13 /-</u></b>
<b><u>F16B 13 /-</u></b>	2021400300	<b><u>F25D 29 /-</u></b>	2021390428	2021328692	
2021380785		2020471517	<b><u>F42B 12 /-</u></b>	2021331088	2021349226
<b><u>F16B 33 /-</u></b>	<b><u>F23B 10 /-</u></b>	<b><u>F25J 1 /-</u></b>	2021328062	2021336112	<b><u>G05B 19 /-</u></b>
2021346948	2021332942	2021370108		2021339978	2021347329
	<b><u>F23B 30 /-</u></b>		<b><u>F42B 15 /-</u></b>	2021347408	2021349226
<b><u>F16C 11 /-</u></b>	2021332942	<b><u>F26B 11 /-</u></b>	2021390428	2021349937	
2021335205		2021360515	<b><u>F42B 33 /-</u></b>	2021349950	<b><u>G05D 1 /-</u></b>
<b><u>F16F 15 /-</u></b>	<b><u>F23N 3 /-</u></b>	<b><u>F26B 13 /-</u></b>	2021346145	2021350034	2021350860
2021353490	2021332942	2021360515		2021351498	2021357805
	<b><u>F24B 1 /-</u></b>		<b><u>F42B 5 /-</u></b>	2021358139	2021366701
<b><u>F16K 1 /-</u></b>	2021332942	<b><u>F26B 25 /-</u></b>	2021346145	<b><u>G01N 35 /-</u></b>	<b><u>G05D 16 /-</u></b>
2021331661		2021373282		2021356027	2021401857
<b><u>F16K 15 /-</u></b>	<b><u>F24D 11 /-</u></b>	<b><u>F26B 5 /-</u></b>	<b><u>G01C 11 /-</u></b>	<b><u>G01P 15 /-</u></b>	<b><u>G05D 3 /-</u></b>
2021353858	2021345205	2021373282	2021329991	2021356392	2021344311
2021362240			<b><u>G01C 19 /-</u></b>	2021357884	
<b><u>F16K 21 /-</u></b>	<b><u>F24D 19 /-</u></b>	<b><u>F27B 9 /-</u></b>	2021353490	<b><u>G01R 19 /-</u></b>	<b><u>G06F 1 /-</u></b>
2021331661	2021350153	2021351246	2021356392	2022319463	2021338733
			2021357884	<b><u>G01R 31 /-</u></b>	<b><u>G06F 16 /-</u></b>
<b><u>F16K 24 /-</u></b>	<b><u>F24F 1 /-</u></b>	<b><u>F27D 13 /-</u></b>		2021332948	2021347974
2021353858	2021350787	2021351246	<b><u>G01C 21 /-</u></b>	2021342593	2021360822
2021361847	2021375879		2021376330	<b><u>G01R 33 /-</u></b>	<b><u>G06F 18 /-</u></b>
		<b><u>F27D 17 /-</u></b>		2021328743	2021344967
<b><u>F16K 37 /-</u></b>	<b><u>F24F 11 /-</u></b>	2021351246	<b><u>G01D 11 /-</u></b>	2021353563	
2021331661	2021346997	2021351246		2021355438	<b><u>G06F 21 /-</u></b>
2021361847	2021350787	<b><u>F27D 19 /-</u></b>	<b><u>G01D 21 /-</u></b>		2021339055
		2021342670	2021358103		



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2021354156 2022338171	<b>G06T 1 /-</b>	<b>G10L 17 /-</b>	2021401768 2022229167	<b>H04B 5 /-</b>	<b>H04W 52 /-</b>
<b>G06F 3 /-</b>	2021349226	2021339055		2021350489	2020468922 2021331071 2022247599
2021331071 2021340698 2021350586	<b>G06T 5 /-</b>	<b>G10L 21 /-</b>	<b>H01M 8 /-</b>	<b>H04B 7 /-</b>	<b>H04W 72 /-</b>
	2021349226	2021360822	2021342847 2021343569 2021345500 2021348962 2021353475 2021460215 2022325170	2020468922	
<b>G06F 40 /-</b>	<b>G06T 7 /-</b>	<b>G10L 25 /-</b>		<b>H04H 20 /-</b>	2021334365 2021343338
2020474963	2021329991 2021344554 2021349226 2021352435	2021336957		2021353497	
<b>G06F 9 /-</b>		<b>G16B 20 /-</b>		<b>H04H 60 /-</b>	<b>H04W 88 /-</b>
2021340717	<b>G06V 10 /-</b>	2021333063	<b>H01Q 13 /-</b>	2021353497	2021331071 2021343338
<b>G06K 19 /-</b>	2021377491	<b>G16B 30 /-</b>	2021327073	<b>H04J 3 /-</b>	<b>H04W 92 /-</b>
2021346114	<b>G06V 20 /-</b>	2021333063	<b>H01Q 9 /-</b>	2021401747	2021343338
<b>G06K 7 /-</b>	2021344967 2021376330	<b>G16B 5 /-</b>	2021327073	<b>H04L 5 /-</b>	<b>H05K 1 /-</b>
2021346114	<b>G06V 40 /-</b>	2021333063	<b>H01R 13 /-</b>	2021343338 2022279190	2021342437 2021342492 2021342493
<b>G06M 1 /-</b>	2021377491	<b>G16B 50 /-</b>	2021362204	<b>H04L 51 /-</b>	
2021346114	<b>G08B 13 /-</b>	2021333063	<b>H02G 5 /-</b>	2021358028	<b>H05K 3 /-</b>
<b>G06N 10 /-</b>	2021351627	<b>G16H 20 /-</b>	2021390107	<b>H04L 9 /-</b>	2021342437 2021342492 2021342493
2020467946	<b>G08B 21 /-</b>	2021346114	<b>H02H 11 /-</b>	2020470364 2021344606 2021358028	<b>H05K 7 /-</b>
<b>G06N 20 /-</b>	2021329991	<b>G16H 40 /-</b>	2021345628	<b>H04M 1 /-</b>	2021346492 2022268459
2021343372 2021344593	<b>G08B 3 /-</b>	2021338777 2021356239	<b>H02H 7 /-</b>	2021362204	<b>H10N 60 /-</b>
<b>G06N 3 /-</b>	2021351627	<b>G16H 80 /-</b>	2021345628	<b>H02J 3 /-</b>	
2021352435 2021377491	<b>G08G 5 /-</b>	2021356239	2021355100 2022319463	<b>H04N 19 /-</b>	2020467946
<b>G06Q 10 /-</b>	2021360822	<b>H01B 1 /-</b>	<b>H02J 50 /-</b>	2021347829	
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<b>G06Q 20 /-</b>	2021462156	<b>H01F 29 /-</b>	<b>H02J 7 /-</b>	2021347829 2021350100 2021352392 2021401747	
2020480104 2021357676 2021361028	<b>G09F 3 /-</b>	2021333021	2021345628 2021350489 2022319463	<b>H04N 23 /-</b>	
<b>G06Q 30 /-</b>	2021462156	<b>H01F 7 /-</b>		2021345477	
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<b>G06Q 40 /-</b>	2021345506	<b>H01H 33 /-</b>	2021358584	2021353497	
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<b>G06Q 50 /-</b>	2021345506	<b>H01L 31 /-</b>	2021353490	2020470364 2021358028 2022338171	
2021336525 2021338777 2021376330 2022318420	<b>G10D 9 /-</b>	2022291551	<b>H02S 20 /-</b>	<b>H04W 28 /-</b>	
	2021345506	<b>H01M 10 /-</b>	2021344311	<b>H04W 4 /-</b>	
	<b>G10L 13 /-</b>	2021357791	<b>H02S 50 /-</b>	2021334365 2021359510	
	2021336957	<b>H01M 4 /-</b>	2021344311		
	<b>G10L 15 /-</b>	2021342847 2021343569 2021345500 2021353475 2021427255	<b>H03K 17 /-</b>		
	2021336957 2021339055 2021360822	<b>H01M 50 /-</b>	2020471517	2021350735 2021358028 2021359510	
		2021357791	<b>H03K 19 /-</b>		
			2021339521		

Applications Accepted

Name Index

- 
- (71) 3AWater Oy  
 (11) AU-B-2020316612  
 (21) 2020316612 (22) 13.07.2020  
 (54) Portable assessment kit and method for measuring metal content of aqueous solution  
 (51) Int. Cl.  
**G01N 23/223** ( 2006.01 )  
**G01N 1/40** ( 2006.01 )  
**G01N 33/18** ( 2006.01 )  
 (87) WO2021/013612  
 (31) 20195649 (32) 23.07.19 (33) FI  
 (43) 28.01.2021  
 (44) 04.05.2023  
 (72) NISSINEN, Tuomo; TIHONEN, Tommi; RIIKONEN, Joakim; LEHTO, Vesa-Pekka; SAVOLAHTI, Pekka  
 (74) Collison & Co
- 
- (71) 6K Inc.  
 (11) AU-B-2019290663  
 (21) 2019290663 (22) 19.06.2019  
 (54) Process for producing spheroidized powder from feedstock materials  
 (51) Int. Cl.  
**B22F 1/00** ( 2006.01 )  
**B22F 8/00** ( 2006.01 )  
**B22F 9/04** ( 2006.01 )  
**B22F 9/14** ( 2006.01 )  
**B33Y 70/00** ( 2020.01 )  
**C22C 1/04** ( 2006.01 )  
**C22C 14/00** ( 2006.01 )  
**C22C 19/03** ( 2006.01 )  
**C22C 19/07** ( 2006.01 )  
**C22C 38/00** ( 2006.01 )  
 (87) WO2019/246257  
 (31) 62/687,094 (32) 19.06.18 (33) US  
 62/687,079 19.06.18 US  
 62/687,109 19.06.18 US  
 (43) 26.12.2019  
 (44) 04.05.2023  
 (72) BARNES, John; BENT, Aaron; HADIDI, Kamal; REDJDAL, Makhlof; TURCHETTI, Scott; ULLAL, Saurabh; DUANMU, Ning; KOZLOWSKI, Michael C.  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
- 
- (71) Ab Initio Technology LLC  
 (11) AU-B-2022206687  
 (21) 2022206687 (22) 18.07.2022  
 (54) DYNAMIC EXECUTION OF PARAMETERIZED APPLICATIONS FOR THE PROCESSING OF KEYED NETWORK DATA STREAMS  
 (51) Int. Cl.  
**G06F 40/00** ( 2020.01 )  
 (43) 11.08.2022
- 
- (71) Ab Initio Technology LLC  
 (11) AU-B-2023200420  
 (21) 2023200420 (22) 26.01.2023  
 (54) DYNAMIC EXECUTION OF PARAMETERIZED APPLICATIONS FOR THE PROCESSING OF KEYED NETWORK DATA STREAMS  
 (51) Int. Cl.  
**G06F 40/00** ( 2020.01 )  
 (43) 23.02.2023  
 (44) 04.05.2023  
 (62) 2022206687  
 (72) Ravid, Oded; Rossi, Larry Paul; Baxter, Peter; Gould, Joel  
 (74) RnB IP Pty Ltd
- 
- (71) Adaptica S.r.l.  
 (11) AU-B-2020230889  
 (21) 2020230889 (22) 26.02.2020  
 (54) Improved ophthalmic apparatus  
 (51) Int. Cl.  
**A61N 1/36** ( 2006.01 )  
**A61B 3/11** ( 2006.01 )  
**A61B 3/14** ( 2006.01 )  
 (87) WO2020/178088  
 (31) 102019000003127 (32) 04.03.19 (33) IT  
 (43) 10.09.2020  
 (44) 04.05.2023  
 (72) BACCO, Paolo; CAPRARO, Ivan; MENEGHINI, Gianluigi  
 (74) KINGS PATENT & TRADE MARKS ATTORNEYS PTY LTD
- 
- (71) ADMA BioManufacturing, LLC  
 (11) AU-B-2018201803  
 (21) 2018201803 (22) 14.03.2018  
 (54) Anti-pneumococcal hyperimmune globulin for the treatment and prevention of pneumococcal infection  
 (51) Int. Cl.  
**C07K 16/12** ( 2006.01 )  
**A61K 39/40** ( 2006.01 )  
**A61P 31/04** ( 2006.01 )  
 (31) 15/460,147 (32) 15.03.17 (33) US  
 (43) 04.10.2018  
 (44) 04.05.2023  
 (72) Mond, James; Grossman, Adam S.  
 (74) Davies Collison Cave Pty Ltd
- 
- (71) Aerie Pharmaceuticals, Inc.  
 (11) AU-B-2020216470  
 (21) 2020216470 (22) 31.01.2020  
 (54) Compounds, compositions and methods for treatment of myopia  
 (51) Int. Cl.  
**C07D 451/02** ( 2006.01 )  
**A61K 31/4409** ( 2006.01 )
- 
- A61K 31/46** ( 2006.01 )  
**A61K 47/06** ( 2006.01 )  
**A61P 27/10** ( 2006.01 )  
**C07D 213/56** ( 2006.01 )  
 (87) WO2020/160493  
 (31) 62/800,312 (32) 01.02.19 (33) US  
 62/801,515 05.02.19 US  
 62/819,236 15.03.19 US  
 (43) 06.08.2020  
 (44) 04.05.2023  
 (72) CARLSON, Eric; DELONG, Mitchell A.; GORDHAN, Heeren; LICHOROWIC, Cynthia L.; STURDIVANT, Jill M.  
 (74) K&L Gates
- 
- (71) Afiniti, Ltd.  
 (11) AU-B-2021201092  
 (21) 2021201092 (22) 19.02.2021  
 (54) TECHNIQUES FOR BENCHMARKING PAIRING STRATEGIES IN A CONTACT CENTER SYSTEM  
 (51) Int. Cl.  
**G06Q 10/06** ( 2012.01 )  
**H04M 3/523** ( 2006.01 )  
 (43) 11.03.2021  
 (44) 04.05.2023  
 (62) 2019200354  
 (72) Chishti, Zia  
 (74) Allens Patent & Trade Mark Attorneys
- 
- (71) Alarm.Com Incorporated  
 (11) AU-B-2022201137  
 (21) 2022201137 (22) 21.02.2022  
 (54) SYSTEM AND METHOD FOR MONITORING A PROPERTY USING DRONE BEACONS  
 (51) Int. Cl.  
**G05D 1/00** ( 2006.01 )  
**B64C 39/02** ( 2006.01 )  
**G08B 13/196** ( 2006.01 )  
**G08B 19/00** ( 2006.01 )  
**G08B 21/00** ( 2006.01 )  
**G08B 25/01** ( 2006.01 )  
**G08B 27/00** ( 2006.01 )  
 (43) 17.03.2022  
 (44) 04.05.2023  
 (62) 2018324086  
 (72) Roberts, Aaron Lee; Trundle, Steven  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
- 
- (71) Alcon Inc.  
 (11) AU-B-2017343042  
 (21) 2017343042 (22) 27.09.2017  
 (54) Optical coherence tomography cross view imaging  
 (51) Int. Cl.  
**A61B 3/10** ( 2006.01 )  
**A61B 3/00** ( 2006.01 )  
**G06T 3/00** ( 2006.01 )  
 (87) WO2018/069784  
 (31) 62/408,497 (32) 14.10.16 (33) US  
 (43) 19.04.2018

Applications Accepted - Name Index cont'd

- (44) 04.05.2023  
 (72) Jochinsen, Mauricio; Ren, Hugang; Yu, Lingfeng  
 (74) Phillips Ormonde Fitzpatrick
- 
- (71) Anteris Technologies Corporation  
 (11) AU-B-2018353854  
 (21) 2018353854 (22) 12.09.2018  
 (54) Replacement heart valve with reduced suturing  
 (51) Int. Cl.  
**A61F 2/24** ( 2006.01 )  
 (87) WO2019/078979  
 (31) 62/574,410 (32) 19.10.17 (33) US  
 (43) 25.04.2019  
 (44) 04.05.2023  
 (72) NEETHLING, William Morris Leonard; BLISS, Scott; MACINTYRE, Anthony Michael; PATERSON, Wayne; OLIG, Christopher P.  
 (74) Michael Buck IP
- 
- (71) Arthrex, Inc.  
 (11) AU-B-2018236196  
 (21) 2018236196 (22) 13.03.2018  
 (54) Surgical fixation systems and methods  
 (51) Int. Cl.  
**A61B 17/04** ( 2006.01 )  
**A61F 2/08** ( 2006.01 )  
 (87) WO2018/169961  
 (31) 62/470,522 (32) 13.03.17 (33) US  
 (43) 20.09.2018  
 (44) 04.05.2023  
 (72) Bachmaier, Samuel; Wijdicks, Coen  
 (74) Spruson & Ferguson
- 
- (71) AstraZeneca AB  
 (11) AU-B-2019400738  
 (21) 2019400738 (22) 17.12.2019  
 (54) Pharmaceutical process and intermediates  
 (51) Int. Cl.  
**C12P 17/16** ( 2006.01 )  
**A61K 31/5377** ( 2006.01 )  
**C07C 255/58** ( 2006.01 )  
**C07D 209/88** ( 2006.01 )  
**C07D 239/24** ( 2006.01 )
- 
- (71) AstraZeneca AB  
 (11) AU-B-2021215150  
 (21) 2021215150 (22) 10.08.2021  
 (54) METHODS OF TREATING HEART FAILURE WITH REDUCED EJECTION FRACTION WITH DAPAGLIFLOZIN  
 (51) Int. Cl.  
**A61K 31/70** ( 2006.01 )  
**A61K 31/351** ( 2006.01 )  
**A61K 45/06** ( 2006.01 )  
**A61P 9/04** ( 2006.01 )  
 (43) 02.09.2021  
 (44) 04.05.2023  
 (62) 2020202887  
 (72) Langkilde, Anna Maria  
 (74) Phillips Ormonde Fitzpatrick
- 
- (71) Auckland UniServices Limited  
 (11) AU-B-2017372951  
 (21) 2017372951 (22) 07.12.2017  
 (54) Stimulus and eye tracking system  
 (51) Int. Cl.  
**A61B 3/00** ( 2006.01 )  
**A61B 5/00** ( 2006.01 )  
 (87) WO2018/104894  
 (31) 727230 (32) 07.12.16 (33) NZ  
 (43) 14.06.2018  
 (44) 04.05.2023  
 (72) Thompson, Ben; Turuwhenua, Jason Te Wharekotua  
 (74) AJ PARK
- 
- (71) Avacta Life Sciences Limited  
 (11) AU-B-2018295447  
 (21) 2018295447 (22) 02.07.2018  
 (54) Scaffold proteins  
 (51) Int. Cl.  
**C07K 14/81** ( 2006.01 )  
**C12N 15/62** ( 2006.01 )  
 (87) WO2019/008335  
 (31) 1710973.7 (32) 07.07.17 (33) GB  
 (43) 10.01.2019  
 (44) 04.05.2023  
 (72) Platt, Geoff William; Spence, Graham Robert Pye-Smith  
 (74) O'Sullivan's Patent and Trade Mark Attorneys Pty Ltd
- 
- (71) Azuma Design Pty Limited  
 (11) AU-B-2017204313  
 (21) 2017204313 (22) 26.06.2017  
 (54) A sash mounting plate for a chain winder  
 (51) Int. Cl.  
**E05F 11/04** ( 2006.01 )  
 (31) 2016902487 (32) 24.06.16 (33) AU  
 (43) 18.01.2018  
 (44) 04.05.2023  
 (72) Alchin, Michael Brian  
 (74) GLMR
- 
- (71) Baker Hughes Oilfield Operations, LLC  
 (11) AU-B-2017274517  
 (21) 2017274517 (22) 02.06.2017  
 (54) System and method for evaluating heterogeneous hydrocarbon extractor systems for hydrocarbon wells  
 (51) Int. Cl.  
**E21B 43/00** ( 2006.01 )  
 (87) WO2017/210521  
 (31) 62/344,581 (32) 02.06.16 (33) US  
 15/252,554 31.08.16 US  
 (43) 07.12.2017  
 (44) 04.05.2023  
 (72) Rasheed, Adam; Moitra, Abha; Yousuf, Aisha; Zhang, Jinfeng  
 (74) Phillips Ormonde Fitzpatrick
- 
- (71) BASF SE  
 (11) AU-B-2018373436  
 (21) 2018373436 (22) 07.11.2018  
 (54) Herbicidal pyridylethers  
 (51) Int. Cl.  
**C07D 401/04** ( 2006.01 )  
**A01N 43/40** ( 2006.01 )  
**A01N 43/56** ( 2006.01 )  
**A01N 43/653** ( 2006.01 )  
**A01N 43/66** ( 2006.01 )  
**C07D 401/14** ( 2006.01 )  
**C07D 413/04** ( 2006.01 )  
**C07D 487/04** ( 2006.01 )  
 (87) WO2019/101513  
 (31) 18169740.0 (32) 27.04.18 (33) EP  
 17203280.7 23.11.17 EP  
 (43) 31.05.2019  
 (44) 04.05.2023  
 (72) JOHANNES, Manuel; SOUILLART, Laetitia; WITSCHHEL, Matthias; SEISER, Tobias; PARRA RAPADO, Lili-ana; APONTE, Raphael; MIETZNER, Thomas; NEWTON, Trevor William; SEITZ, Thomas; DOMBO, Peter  
 (74) Griffith Hack
- 
- (71) Becton Dickinson and Company Limited  
 (11) AU-B-2018210833  
 (21) 2018210833 (22) 15.01.2018  
 (54) Syringe adapter  
 (51) Int. Cl.  
**A61J 1/14** ( 2006.01 )  
**A61J 1/20** ( 2006.01 )  
**A61M 39/10** ( 2006.01 )  
**A61M 39/22** ( 2006.01 )  
 (87) WO2018/136359  
 (31) 62/447,032 (32) 17.01.17 (33) US  
 (43) 26.07.2018

Applications Accepted - Name Index cont'd

(44) 04.05.2023  
 (72) Sanders, Laurie; Kim, Jayeon; Riguez Mesquita, Antonio  
 (74) FB Rice Pty Ltd

**Beta Bionics, Inc. see Trustees of Boston University**  
 (21) 2021202918

(71) BioAtla, LLC  
 (11) AU-B-2021203220  
 (21) 2021203220 (22) 19.05.2021  
 (54) Simultaneous, Integrated Selection and Evolution of Antibody/Protein Performance and Expression in Production Hosts  
 (51) Int. Cl.  
**C12P 21/06** ( 2006.01 )  
**C40B 30/04** ( 2006.01 )  
 (43) 10.06.2021  
 (44) 04.05.2023  
 (62) 2019203813  
 (72) Short, Jay Milton  
 (74) Allens Patent & Trade Mark Attorneys

(71) Biotron Limited  
 (11) AU-B-2018218179  
 (21) 2018218179 (22) 07.02.2018  
 (54) Methods of treating influenza  
 (51) Int. Cl.  
**A61K 31/415** ( 2006.01 )  
**A61K 31/155** ( 2006.01 )  
**A61P 31/16** ( 2006.01 )  
 (87) WO2018/145148  
 (31) 2017900385 (32) 08.02.17 (33) AU  
 (43) 16.08.2018  
 (44) 04.05.2023  
 (72) Ewart, Gary; Luscombe, Carolyn  
 (74) FPA Patent Attorneys Pty Ltd

(71) Bioverativ Therapeutics Inc.  
 (11) AU-B-2017214378  
 (21) 2017214378 (22) 31.01.2017  
 (54) Optimized Factor VIII genes  
 (51) Int. Cl.  
**C12N 9/64** ( 2006.01 )  
 (87) WO2017/136358  
 (31) 62/409,739 (32) 18.10.16 (33) US  
 62/289,696 01.02.16 US  
 (43) 10.08.2017  
 (44) 04.05.2023  
 (72) Tan, Siyuan; Liu, Tongyao  
 (74) Spruson & Ferguson

(71) Bobrick Washroom Equipment, Inc.  
 (11) AU-B-2019378590  
 (21) 2019378590 (22) 21.05.2019  
 (54) Foam dispenser with selector for controlling liquid pump and air pump output and method of operating the same  
 (51) Int. Cl.  
**A47K 5/16** ( 2006.01 )  
**B05B 7/00** ( 2006.01 )  
**B05B 7/04** ( 2006.01 )  
**B05B 11/00** ( 2006.01 )  
 (87) WO2020/101739

(31) 16/191,347 (32) 14.11.18 (33) US  
 (43) 22.05.2020  
 (44) 04.05.2023  
 (72) BABIKIAN, Dikran; JAIN, Nikhil  
 (74) Madderns Pty Ltd

(71) Boston Engineering Corporation  
 (11) AU-B-2021206230  
 (21) 2021206230 (22) 08.01.2021  
 (54) Modular sensing device, system, and method  
 (51) Int. Cl.  
**G01C 13/00** ( 2006.01 )  
**G01N 33/18** ( 2006.01 )  
 (87) WO2021/142222  
 (31) 62/959,513 (32) 10.01.20 (33) US  
 (43) 15.07.2021  
 (44) 04.05.2023  
 (72) RUFU, Michael; CONRY, Michael; WATSON, Robert  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) Boston Scientific Scimed, Inc.  
 (11) AU-B-2017359466  
 (21) 2017359466 (22) 09.11.2017  
 (54) Guidance systems and associated methods  
 (51) Int. Cl.  
**A61B 34/20** ( 2016.01 )  
**A61B 90/00** ( 2016.01 )  
 (87) WO2018/089627  
 (31) 62/420,891 (32) 11.11.16 (33) US  
 (43) 17.05.2018  
 (44) 04.05.2023  
 (72) Rauniyar, Niraj P.; Harrah, Timothy P.; Pereira, Peter J.; Asselin, William M.; Chu, Michael S.H.; Craft, Brandon W.; Nodiff, Adam P.; Schneider, Chad; Stanhope, William; Wong, Eric; De-graaf, Kimberly  
 (74) Spruson & Ferguson

**Breast Cancer Now see The Institute of Cancer Research: Royal Cancer Hospital**  
 (21) 2017205101

(71) Capricornia Contact Lens Pty Ltd  
 (11) AU-B-2018293922  
 (21) 2018293922 (22) 28.06.2018  
 (54) Improvements to fitting orthokeratology lenses  
 (51) Int. Cl.  
**A61B 3/107** ( 2006.01 )  
**G02C 7/04** ( 2006.01 )  
**G06T 7/00** ( 2017.01 )  
 (87) WO2019/000041  
 (31) 2017902510 (32) 28.06.17 (33) AU  
 (43) 03.01.2019  
 (44) 04.05.2023  
 (72) GIFFORD, Paul  
 (74) Michael Buck IP

(71) Carl Freudenberg KG  
 (11) AU-B-2020319723  
 (21) 2020319723 (22) 24.07.2020

(54) Floor mop  
 (51) Int. Cl.  
**A47L 13/22** ( 2006.01 )  
**A01M 7/00** ( 2006.01 )  
**A47L 13/256** ( 2006.01 )  
**A47L 13/51** ( 2006.01 )  
**B25G 1/04** ( 2006.01 )  
**B65D 83/20** ( 2006.01 )  
 (87) WO2021/019411  
 (31) 16/528,083 (32) 31.07.19 (33) US  
 (43) 04.02.2021  
 (44) 04.05.2023  
 (72) METZEL, Doug; WEHRLI, Eric  
 (74) DAVIS IP PTY LTD

(71) Cellphire, Inc.  
 (11) AU-B-2020267368  
 (21) 2020267368 (22) 01.05.2020  
 (54) Materials and methods for producing blood products  
 (51) Int. Cl.  
**A61K 35/19** ( 2015.01 )  
**A61K 35/14** ( 2015.01 )  
**A61M 1/34** ( 2006.01 )  
 (87) WO2020/227149  
 (31) 62/843,061 (32) 03.05.19 (33) US  
 62/936,122 15.11.19 US  
 (43) 12.11.2020  
 (44) 04.05.2023  
 (72) MONTGOMERY, Joshua Donald; ISHLER, Braden Carl; AMOS, Stephen Edward; MOSKOWITZ, Keith Andrew; LEE, Amber Nicole; JORDA, Rafael; FITZPATRICK, Glen Michael; MATH-EWS, Michael Alexander  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) Charles Sturt University  
 (11) AU-B-2017358060  
 (21) 2017358060 (22) 09.11.2017  
 (54) Livestock supplement and use thereof  
 (51) Int. Cl.  
**A61K 31/395** ( 2006.01 )  
**A23K 20/137** ( 2016.01 )  
**A61K 31/52** ( 2006.01 )  
**A61K 31/522** ( 2006.01 )  
**A61P 25/00** ( 2006.01 )  
**A61P 43/00** ( 2006.01 )  
 (87) WO2018/085886  
 (31) 2016904569 (32) 09.11.16 (33) AU  
 (43) 17.05.2018  
 (44) 04.05.2023  
 (72) Robertson, Susan; Friend, Michael; Edwards, Scott  
 (74) FPA Patent Attorneys Pty Ltd

(71) Commissariat A L'energie Atomique Et Aux Energies Alternatives; D C N S  
 (11) AU-B-2017361949  
 (21) 2017361949 (22) 14.11.2017  
 (54) Securing system  
 (51) Int. Cl.  
**B60P 7/135** ( 2006.01 )  
 (87) WO2018/091816  
 (31) 1661042 (32) 15.11.16 (33) FR  
 (43) 24.05.2018

Applications Accepted - Name Index cont'd

(44) 04.05.2023  
 (72) Martin, Pascal; Carminati, Jean-Noël  
 (74) Franke Hyland Pty Ltd

---

(71) Commissariat A L'energie Atomique Et Aux Energies Alternatives; D C N S  
 (11) AU-B-2017361950  
 (21) 2017361950 (22) 14.11.2017  
 (54) Securing device  
 (51) Int. Cl.  
     **B60P 7/12** ( 2006.01 )  
     **B60P 7/135** ( 2006.01 )  
 (87) WO2018/091817  
 (31) 1661052 (32) 15.11.16 (33) FR  
 (43) 24.05.2018  
 (44) 04.05.2023  
 (72) Carminati, Jean-Noël; Martin, Pascal  
 (74) Franke Hyland Pty Ltd

---

(71) CommScope Technologies LLC  
 (11) AU-B-2018258285  
 (21) 2018258285 (22) 24.04.2018  
 (54) Connectors for a single twisted pair of conductors  
 (51) Int. Cl.  
     **H01R 13/6463** ( 2011.01 )  
     **H01R 24/62** ( 2011.01 )  
 (87) WO2018/200528  
 (31) 62/489,164 (32) 24.04.17 (33) US  
     62/635,227 26.02.18 US  
 (43) 01.11.2018  
 (44) 04.05.2023  
 (72) Keith, Scott Martin; Hashim, Amid Ihsan; Moffitt, Bryan Scott; Tobey, Shawn Phillip  
 (74) Davies Collison Cave Pty Ltd

---

(71) Conmed Corporation  
 (11) AU-B-2020320201  
 (21) 2020320201 (22) 28.07.2020  
 (54) Force limiting mechanism for surgical instruments  
 (51) Int. Cl.  
     **A61B 17/32** ( 2006.01 )  
     **A61B 17/29** ( 2006.01 )  
     **A61B 18/14** ( 2006.01 )  
     **A61B 90/00** ( 2016.01 )  
 (87) WO2021/021803  
 (31) 62/881,078 (32) 31.07.19 (33) US  
 (43) 04.02.2021  
 (44) 04.05.2023  
 (72) WILLIAMS, Mason; KOLTZ Jr., Michael L.  
 (74) Griffith Hack

---

(71) ConMed Corporation  
 (11) AU-B-2021257944  
 (21) 2021257944 (22) 26.10.2021  
 (54) Knotless suture anchor construct  
 (51) Int. Cl.  
     **A61B 17/04** ( 2006.01 )  
 (43) 25.11.2021  
 (44) 04.05.2023  
 (62) 2019227635  
 (72) MILLER, Peter; BOSWORTH, Adrian  
 (74) Griffith Hack

(71) Cosentino Research & Development, S.L.  
 (11) AU-B-2020362305  
 (21) 2020362305 (22) 07.10.2020  
 (54) Artificial agglomerate stone article comprising feldspar granules  
 (51) Int. Cl.  
     **C04B 14/04** ( 2006.01 )  
     **C04B 26/02** ( 2006.01 )  
     **C04B 111/54** ( 2006.01 )  
 (87) WO2021/069464  
 (31) 19382876.1 (32) 08.10.19 (33) EP  
 (43) 15.04.2021  
 (44) 04.05.2023  
 (72) PÉREZ TRIGUEROS, Laura; MONTERO PÉREZ, Carmen María; FRATTINI, Lucia; ÁLVAREZ DE DIEGO, Javier  
 (74) Michael Buck IP

---

(71) Cozanitis, M.  
 (11) AU-B-2022335874  
 (21) 2022335874 (22) 05.10.2022  
 (54) A compact gas-operated autoloading firearm mechanism  
 (51) Int. Cl.  
     **F41A 5/18** ( 2006.01 )  
     **F41A 5/34** ( 2006.01 )  
     **F41A 9/22** ( 2006.01 )  
 (31) 2021903530 (32) 04.11.21 (33) AU  
 (43) 04.05.2023  
 (44) 04.05.2023  
 (72) COZANITIS, Mathew  
 (74) Patentec Patent Attorneys

---

(71) CSL Limited  
 (11) AU-B-2018350370  
 (21) 2018350370 (22) 18.10.2018  
 (54) Human serum albumin variants and uses thereof  
 (51) Int. Cl.  
     **C07K 14/765** ( 2006.01 )  
     **A61K 38/36** ( 2006.01 )  
     **A61K 38/37** ( 2006.01 )  
     **A61K 38/38** ( 2006.01 )  
     **A61K 47/64** ( 2017.01 )  
     **A61P 7/04** ( 2006.01 )  
     **C07K 14/745** ( 2006.01 )  
     **C07K 14/755** ( 2006.01 )  
 (87) WO2019/075519  
 (31) 2017904211 (32) 18.10.17 (33) AU  
 (43) 25.04.2019  
 (44) 04.05.2023  
 (72) RAUTH, Sabine; HAMMET, Andrew; EDWARDS, Kirsten; PANOUSIS, Con  
 (74) FB Rice Pty Ltd

---

(71) Daios, A.  
 (11) AU-B-2021206864  
 (21) 2021206864 (22) 22.07.2021  
 (54) ELONGATED SHEET FOR COVERING CULTIVATED PLANTS  
 (51) Int. Cl.  
     **A01G 13/02** ( 2006.01 )  
     **A01G 9/22** ( 2006.01 )  
 (31) EP20210289.3 (32) 27.11.20 (33) EP  
 (43) 16.06.2022

(44) 04.05.2023  
 (72) Daios, Asterios; Daios, Dimitrios  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

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**D C N S see Commissariat A L'energie Atomique Et Aux Energies Alternatives**  
 (21) 2017361949

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**D C N S see Commissariat A L'energie Atomique Et Aux Energies Alternatives**  
 (21) 2017361950

---

(71) Delta Electronics (Shanghai) Co.,Ltd.  
 (11) AU-B-2022200164  
 (21) 2022200164 (22) 12.01.2022  
 (54) POWER CONVERSION SYSTEM AND METHOD OF CONTROLLING THE SAME  
 (51) Int. Cl.  
     **H02J 1/10** ( 2006.01 )  
     **H02M 3/158** ( 2006.01 )  
 (31) 202110061168.3 (32) 18.01.21 (33) CN  
 (43) 04.08.2022  
 (44) 04.05.2023  
 (72) SHEN, Guoqiao; HE, Ning; WANG, Changyong  
 (74) Griffith Hack

---

(71) Dentsu Inc.  
 (11) AU-B-2021427874  
 (21) 2021427874 (22) 04.10.2021  
 (54) Real-time data processing device  
 (51) Int. Cl.  
     **G06F 3/048** ( 2013.01 )  
     **G06F 3/01** ( 2006.01 )  
 (87) WO2022/264440  
 (31) 2021-101804 (32) 18.06.21 (33) JP  
 (43) 19.01.2023  
 (44) 04.05.2023  
 (72) IWASHITA, Satoru; KOBUSE, Noritaka; HIBI, Akimichi; SHIGEMASA, Naoto; TOMITA, Susumu; NAGASAKU, Keishi  
 (74) RnB IP Pty Ltd

---

(71) ECP Entwicklungsgesellschaft mbH  
 (11) AU-B-2018248903  
 (21) 2018248903 (22) 06.04.2018  
 (54) External drive unit for an implantable heart assist pump  
 (51) Int. Cl.  
     **A61M 60/139** ( 2021.01 )  
 (87) WO2018/185331  
 (31) 17187359.9 (32) 22.08.17 (33) EP  
     15/482,513 07.04.17 US  
     17187358.1 22.08.17 EP  
 (43) 11.10.2018  
 (44) 04.05.2023  
 (72) Schumacher, Jörg; Spanier, Gerd; Siess, Thorsten; Daschewski, Maxim; Wang, Jim-Po  
 (74) Spruson & Ferguson

---

(71) Endo-Therapeutics, Inc.  
 (11) AU-B-2018301818

Applications Accepted - Name Index cont'd

(21) 2018301818 (22) 12.07.2018  
 (54) Endoscopic snare net  
 (51) Int. Cl.  
*A61B 17/221* ( 2006.01 )  
 (87) WO2019/014476  
 (31) 62/531,470 (32) 12.07.17 (33) US  
 (43) 17.01.2019  
 (44) 04.05.2023  
 (72) XU, Ruijiao; STODDARD, Charles  
 (74) IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD

(71) Ennis-Flint, Inc.  
 (11) AU-B-2020208363  
 (21) 2020208363 (22) 15.01.2020  
 (54) Systems and methods for making thermoplastic products and compositions  
 (51) Int. Cl.  
*B29B 7/72* ( 2006.01 )  
*B29B 7/36* ( 2006.01 )  
*B29B 7/38* ( 2006.01 )  
*B29B 7/60* ( 2006.01 )  
*B29B 7/82* ( 2006.01 )  
*B29C 48/285* ( 2019.01 )  
*B29C 48/78* ( 2019.01 )  
*B29C 48/92* ( 2019.01 )  
*C08J 3/05* ( 2006.01 )  
*C08J 3/20* ( 2006.01 )  
*C08K 5/01* ( 2006.01 )  
*C09D 191/06* ( 2006.01 )  
 (87) WO2020/150337  
 (31) 62/792,625 (32) 15.01.19 (33) US  
 (43) 23.07.2020  
 (44) 04.05.2023  
 (72) CROSS, Nathan Hoover; CADY, Alex; HEPLER, Bradley; PARKER, Andy; WILKINS, Vince  
 (74) MINTER ELLISON

(71) Environment and Plant Protection Institute, Chinese Academy of Tropical Agricultural Sciences  
 (11) AU-B-2021240121  
 (21) 2021240121 (22) 30.08.2021  
 (54) Compound for controlling plant pathogenic bacteria and application thereof  
 (51) Int. Cl.  
*A01N 31/16* ( 2006.01 )  
 (87) WO2022/088912  
 (31) 2020111759980 (32) 29.10.20 (33) CN  
 (43) 19.05.2022  
 (44) 04.05.2023  
 (72) ZHANG, Jing; WANG, Qin; ZHU, Fadi; GU, Liushuang; YE, Huochun; YAN, Chao; FENG, Gang  
 (74) A.P.T. Patent and Trade Mark Attorneys

(71) Envision Digital International Pte. Ltd.; Shanghai Envision Digital Co., Ltd.  
 (11) AU-B-2021206497  
 (21) 2021206497 (22) 08.01.2021  
 (54) Method and apparatus for authority control, computer device and storage medium  
 (51) Int. Cl.  
*G06F 21/62* ( 2013.01 )  
*G06F 8/20* ( 2018.01 )

*G06F 9/445* ( 2018.01 )  
 (87) WO2021/141543  
 (31) 202010022017.2 (32) 09.01.20 (33) CN  
 (43) 15.07.2021  
 (44) 04.05.2023  
 (72) XIE, Yun  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Epax Norway AS  
 (11) AU-B-2019288931  
 (21) 2019288931 (22) 19.06.2019  
 (54) Composition for treatment of dry eye disease and meibomianitis  
 (51) Int. Cl.  
*A61K 31/202* ( 2006.01 )  
*A61P 27/02* ( 2006.01 )  
*A61P 27/04* ( 2006.01 )  
 (87) WO2019/245382  
 (31) 20180849 (32) 19.06.18 (33) NO  
 (43) 26.12.2019  
 (44) 04.05.2023  
 (72) BREIVIK, Harald; SVENSEN, Harald; STOKNES, Iren Merete Skjåstad  
 (74) Davies Collison Cave Pty Ltd

(71) ESS Tech, Inc.  
 (11) AU-B-2018258693  
 (21) 2018258693 (22) 27.04.2018  
 (54) Flow battery cleansing cycle to maintain electrolyte health and system performance  
 (51) Int. Cl.  
*H01M 8/18* ( 2006.01 )  
*H01M 8/04276* ( 2016.01 )  
*H01M 8/043* ( 2016.01 )  
 (87) WO2018/201093  
 (31) 62/491,964 (32) 28.04.17 (33) US  
 (43) 01.11.2018  
 (44) 04.05.2023  
 (72) Song, Yang; Evans, Craig E.  
 (74) WRAYS PTY LTD

(71) FLSmidth A/S  
 (11) AU-B-2017309375  
 (21) 2017309375 (22) 01.08.2017  
 (54) Wireless hydrocyclone roping and wear management system  
 (51) Int. Cl.  
*B04C 11/00* ( 2006.01 )  
 (87) WO2018/029574  
 (31) 62/373,068 (32) 10.08.16 (33) US  
 62/397,757 21.09.16 US  
 (43) 15.02.2018  
 (44) 04.05.2023  
 (72) Buttler, Barry Michael; Bochicchio, Matthew Peter; Culbertson, Jon Robert; Singer, Robert Bennett  
 (74) FPA Patent Attorneys Pty Ltd

(71) Fraunhofer Gesellschaft zur Förderung der Angewandten Forschung e.V.; Friedrich-Alexander-Universität Erlangen-Nuernberg  
 (11) AU-B-2021286309  
 (21) 2021286309 (22) 14.12.2021  
 (54) Parameter encoding and decoding  
 (51) Int. Cl.

*G10L 19/008* ( 2013.01 )  
 (43) 20.01.2022  
 (44) 04.05.2023  
 (62) 2020291190  
 (72) BOUTHÉON, Alexandre; FUCHS, Guillaume; MULTRUS, Markus; KÜCH, Fabian; THIERGART, Oliver; BAYER, Stefan; DISCH, Sascha; HERRE, Jürgen  
 (74) Spruson & Ferguson

Friedrich-Alexander-Universität Erlangen-Nuernberg see Fraunhofer Gesellschaft zur Förderung der Angewandten Forschung e.V.  
 (21) 2021286309

(71) General Mills, Inc.  
 (11) AU-B-2018214668  
 (21) 2018214668 (22) 06.02.2018  
 (54) Fat composition  
 (51) Int. Cl.  
*A23D 9/00* ( 2006.01 )  
*A23D 9/02* ( 2006.01 )  
*A23D 9/04* ( 2006.01 )  
 (87) WO2018/145054  
 (31) 15/485,924 (32) 12.04.17 (33) US  
 15/425,741 06.02.17 US  
 (43) 09.08.2018  
 (44) 04.05.2023  
 (72) Davlin, Catherine; Marrin, Ashley; Seibold, Jon Duke; Allen, Michael  
 (74) FB Rice Pty Ltd

(71) Grail, LLC  
 (11) AU-B-2017209330  
 (21) 2017209330 (22) 20.01.2017  
 (54) Variant based disease diagnostics and tracking  
 (51) Int. Cl.  
*C12N 15/10* ( 2006.01 )  
*C12Q 1/68* ( 2006.01 )  
 (87) WO2017/127742  
 (31) 62/286,103 (32) 22.01.16 (33) US  
 (43) 27.07.2017  
 (44) 04.05.2023  
 (72) Venn, Oliver Claude  
 (74) WRAYS PTY LTD

(71) Gritstone Bio, Inc.  
 (11) AU-B-2018266705  
 (21) 2018266705 (22) 08.05.2018  
 (54) Alphavirus neoantigen vectors  
 (51) Int. Cl.  
*C12N 15/86* ( 2006.01 )  
*A61K 35/76* ( 2015.01 )  
*A61K 39/12* ( 2006.01 )  
*C07K 14/18* ( 2006.01 )  
*C07K 14/705* ( 2006.01 )  
 (87) WO2018/208856  
 (31) 62/590,163 (32) 22.11.17 (33) US  
 62/523,201 21.06.17 US  
 62/503,283 08.05.17 US  
 (43) 15.11.2018

Applications Accepted - Name Index cont'd

(44) 04.05.2023  
 (72) Blair, Wade; Jooss, Karin; Rappaport, Amy Rachel; Scallan, Ciaran Daniel; Gitlin, Leonid  
 (74) FB Rice Pty Ltd

---

**Guangzhou Shirui Electronics Co. Ltd. see Guangzhou Shiyuan Electronics Co., Ltd.**  
 (21) 2019430812

(71) Guangzhou Shiyuan Electronics Co., Ltd.; Guangzhou Shirui Electronics Co. Ltd.  
 (11) AU-B-2019430812  
 (21) 2019430812 (22) 19.12.2019  
 (54) Display assembly, display device and assembly method therefor  
 (51) Int. Cl.  
*G02F 1/1339* ( 2006.01 )  
 (87) WO2020/168805  
 (31) 201910673688.2 (32) 24.07.19 (33) CN  
 201910124899.0 19.02.19 CN  
 (43) 27.08.2020  
 (44) 04.05.2023  
 (72) ZHOU, Kesong; YU, Heng  
 (74) WRAYS PTY LTD

(71) Her Majesty the Queen in the Right of Canada as Represented by the Minister of Health  
 (11) AU-B-2018371355  
 (21) 2018371355 (22) 16.11.2018  
 (54) Synthetic hemagglutinin as universal vaccine against infection by type B influenza viruses (IBV)  
 (51) Int. Cl.  
*C07K 14/11* ( 2006.01 )  
*A61K 39/145* ( 2006.01 )  
*A61P 31/16* ( 2006.01 )  
*A61P 37/04* ( 2006.01 )  
*C12N 15/85* ( 2006.01 )  
 (87) WO2019/100147  
 (31) 62/589,908 (32) 22.11.17 (33) US  
 (43) 31.05.2019  
 (44) 04.05.2023  
 (72) Li, Xuguang; VAN DOMSELAAR, Gary; ZETNER, Adrian  
 (74) IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD

(71) Hewlett-Packard Development Company, L.P.  
 (11) AU-B-2019428014  
 (21) 2019428014 (22) 06.02.2019  
 (54) Die for a printhead  
 (51) Int. Cl.  
*B41J 2/045* ( 2006.01 )  
*B41J 2/14* ( 2006.01 )  
 (87) WO2020/162913  
 (43) 13.08.2020  
 (44) 04.05.2023  
 (72) LINN, Scott A.; GARDNER, James Michael; CUMBIE, Michael W.  
 (74) FB Rice Pty Ltd

(71) Hewlett-Packard Development Company, L.P.  
 (11) AU-B-2019428188  
 (21) 2019428188 (22) 31.07.2019  
 (54) Print component with memory circuit  
 (51) Int. Cl.  
*B41J 2/045* ( 2006.01 )  
*B41J 2/175* ( 2006.01 )  
*B41J 2/21* ( 2006.01 )  
*G06F 12/06* ( 2006.01 )  
*G11C 13/00* ( 2006.01 )  
 (87) WO2020/162971  
 (31) PCT/ US2019/016817  
 PCT/ 06.02.19 US  
 US2019/016725  
 (43) 13.08.2020  
 (44) 04.05.2023  
 (72) NG, Boon Bing; GARDNER, James Michael; LINN, Scott A.  
 (74) FB Rice Pty Ltd

(71) Hitachi, Ltd.  
 (11) AU-B-2020260781  
 (21) 2020260781 (22) 25.02.2020  
 (54) Vehicle operation plan creation device, vehicle operation plan creation method, and vehicle operation plan creation program  
 (51) Int. Cl.  
*B61L 27/00* ( 2006.01 )  
 (87) WO2020/217693  
 (31) 2019-084540 (32) 25.04.19 (33) JP  
 (43) 29.10.2020  
 (44) 04.05.2023  
 (72) Tomiyama, Tomoe; HANDA, Takeshi; OKADA, Kenichirou  
 (74) Davies Collison Cave Pty Ltd

(71) Holley Performance Products Inc.  
 (11) AU-B-2017245279  
 (21) 2017245279 (22) 09.10.2017  
 (54) Mating interface between air intake housing and air filter  
 (51) Int. Cl.  
*F02M 35/02* ( 2006.01 )  
*B01D 35/02* ( 2006.01 )  
*B60K 13/02* ( 2006.01 )  
 (31) 15/293,410 (32) 14.10.16 (33) US  
 (43) 10.05.2018  
 (44) 04.05.2023  
 (72) Townsend, Ethan C.  
 (74) Spruson & Ferguson

(71) HONEYWELL INTERNATIONAL INC.  
 (11) AU-B-2021203457  
 (21) 2021203457 (22) 27.05.2021  
 (54) DEVICES, SYSTEMS, AND METHODS FOR ASSESSING FACILITY  
 (51) Int. Cl.  
*H01Q 9/00* ( 2006.01 )  
*A61L 2/10* ( 2006.01 )  
*A61L 2/24* ( 2006.01 )  
*G07C 9/00* ( 2020.01 )  
*G16Y 10/80* ( 2020.01 )  
*G16Y 40/35* ( 2020.01 )  
*H04W 4/029* ( 2018.01 )  
*H04W 4/33* ( 2018.01 )  
*H05B 47/13* ( 2020.01 )

(31) 63/042,389 (32) 22.06.20 (33) US  
 17/314,565 07.05.21 US  
 (43) 20.01.2022  
 (44) 04.05.2023  
 (72) GIBSON, Adam Robert; PALANIVEL, Rajkumar; RANJAN, Prabhat; TOWLER, Kelvin Paul; PAIX, Kendall; SALGAR, Mayur Sidram; KARMAKAR, Sheeladitya; SHARMA, Manish  
 (74) FPA Patent Attorneys Pty Ltd

(71) Huawei Digital Power Technologies Co., Ltd.  
 (11) AU-B-2019215491  
 (21) 2019215491 (22) 23.01.2019  
 (54) Photovoltaic power generation system and photovoltaic power transmission method  
 (51) Int. Cl.  
*H02J 3/38* ( 2006.01 )  
*H02J 3/32* ( 2006.01 )  
 (87) WO2019/149118  
 (31) 201810114068.0 (32) 05.02.18 (33) CN  
 (43) 08.08.2019  
 (44) 04.05.2023  
 (72) XU, Fei; GAO, Yongbing; FAN, Guoping  
 (74) Phillips Ormonde Fitzpatrick

(71) Huawei Technologies Co., Ltd.  
 (11) AU-B-2018315436  
 (21) 2018315436 (22) 10.08.2018  
 (54) TIME-DOMAIN STEREO ENCODING AND DECODING METHOD AND RELATED PRODUCT  
 (51) Int. Cl.  
*G10L 19/008* ( 2013.01 )  
 (87) WO2019/029736  
 (31) 201710680152.4 (32) 10.08.17 (33) CN  
 (43) 14.02.2019  
 (44) 04.05.2023  
 (72) WANG, Bin; LI, Haiting; MIAO, Lei  
 (74) Phillips Ormonde Fitzpatrick

(71) Huawei Technologies Co., Ltd.  
 (11) AU-B-2021277736  
 (21) 2021277736 (22) 02.12.2021  
 (54) PDU TYPE SETTING METHOD, UE POLICY SETTING METHOD, AND RELATED ENTITY  
 (51) Int. Cl.  
*H04W 80/10* ( 2009.01 )  
*H04L 47/43* ( 2022.01 )  
*H04W 8/08* ( 2009.01 )  
*H04W 40/02* ( 2009.01 )  
*H04W 48/16* ( 2009.01 )  
*H04W 48/18* ( 2009.01 )  
*H04W 76/11* ( 2018.01 )  
*H04W 80/12* ( 2009.01 )  
 (43) 23.12.2021  
 (44) 04.05.2023  
 (62) 2017427437  
 (72) Li, Xiaojuan; Yang, Haorui; Jin, Hui; Ouyang, Guowei; Dou, Fenghui  
 (74) Phillips Ormonde Fitzpatrick

(71) Hunter Douglas Inc.  
 (11) AU-B-2017204412

Applications Accepted - Name Index cont'd

(21) 2017204412 (22) 28.06.2017  
 (54) Damper for a covering for an architectural opening  
 (51) Int. Cl.  
*F16F 9/12* ( 2006.01 )  
*E06B 7/08* ( 2006.01 )  
*F16F 9/14* ( 2006.01 )  
 (31) 15/197,545 (32) 29.06.16 (33) US  
 (43) 18.01.2018  
 (44) 04.05.2023  
 (72) Downey, Joseph M.  
 (74) Spruson & Ferguson

(71) ICU Medical, Inc.  
 (11) AU-B-2021202662  
 (21) 2021202662 (22) 29.04.2021  
 (54) Vial adaptors and vials for regulating pressure  
 (51) Int. Cl.  
*A61J 1/00* ( 2006.01 )  
 (43) 27.05.2021  
 (44) 04.05.2023  
 (62) 2019206089  
 (72) Lindsay, Mark D.; Lopez, Dan; Woods, Jeffrey R.; Warren, Dee E.; Fangrow, Thomas F.; Seifert, John M.  
 (74) Davies Collison Cave Pty Ltd

(71) IE-CHENG TECHNOLOGY (TIANJIN) CO., LTD.  
 (11) AU-B-2021245149  
 (21) 2021245149 (22) 06.10.2021  
 (54) ROAD PROJECTING METHOD AND SYSTEM FOR A TRAFFIC LIGHT  
 (51) Int. Cl.  
*G08G 1/095* ( 2006.01 )  
*G08G 1/09* ( 2006.01 )  
 (43) 04.11.2021  
 (44) 04.05.2023  
 (62) 2017432557  
 (72) Li, Xiangying; JIAO, Xuelian  
 (74) Burns IP Law Pty Ltd

(71) Innospec Limited  
 (11) AU-B-2017335297  
 (21) 2017335297 (22) 29.09.2017  
 (54) Reducing colour loss from a dyed material by using an amine salt of a carboxylic acid  
 (51) Int. Cl.  
*A61Q 5/00* ( 2006.01 )  
*A61K 8/36* ( 2006.01 )  
*A61K 8/41* ( 2006.01 )  
*A61Q 5/10* ( 2006.01 )  
*D06P 1/649* ( 2006.01 )  
*D06P 5/06* ( 2006.01 )  
*D06P 3/14* ( 2006.01 )  
 (87) WO2018/060720  
 (31) 1616657.1 (32) 30.09.16 (33) GB  
 (43) 05.04.2018  
 (44) 04.05.2023  
 (72) Dixon, Nicholas John; Giles, Matthew Robert; Griffiths, Kimberley Elizabeth; Gough, Tony; McRobbie, Ian Malcolm  
 (74) Phillips Ormonde Fitzpatrick

(71) International Business Machines Corporation  
 (11) AU-B-2021240435  
 (21) 2021240435 (22) 15.02.2021  
 (54) Optical synapses  
 (51) Int. Cl.  
*G11C 11/54* ( 2006.01 )  
 (87) WO2021/191697  
 (31) 16/830,333 (32) 26.03.20 (33) US  
 (43) 30.09.2021  
 (44) 04.05.2023  
 (72) ABEL, Stefan; OFFREIN, Bert Jan; LA PORTA, Antonio; STARK, Pascal  
 (74) Spruson & Ferguson

(71) International Business Machines Corporation  
 (11) AU-B-2021251463  
 (21) 2021251463 (22) 16.02.2021  
 (54) Generating performance predictions with uncertainty intervals  
 (51) Int. Cl.  
*G06N 20/00* ( 2019.01 )  
 (87) WO2021/205244  
 (31) 16/842,295 (32) 07.04.20 (33) US  
 (43) 14.10.2021  
 (44) 04.05.2023  
 (72) ARNOLD, Matthew Richard; ELDER, Benjamin Tyler; NAVRATIL, Jiri; VENKATARAMAN, Ganesh  
 (74) Spruson & Ferguson

(71) International Business Machines Corporation  
 (11) AU-B-2021297101  
 (21) 2021297101 (22) 22.06.2021  
 (54) Block ID encoding in erasure coded storage system  
 (51) Int. Cl.  
*G06F 11/07* ( 2006.01 )  
 (87) WO2021/260538  
 (31) 16/911,114 (32) 24.06.20 (33) US  
 (43) 30.12.2021  
 (44) 04.05.2023  
 (72) BLAUM, Mario; HETZLER, Steven Robert  
 (74) Spruson & Ferguson

(71) Intersurgical AG  
 (11) AU-B-2023200255  
 (21) 2023200255 (22) 18.01.2023  
 (54) Patient Interface Connector  
 (51) Int. Cl.  
*A61M 16/08* ( 2006.01 )  
*A61M 16/06* ( 2006.01 )  
*A61M 39/10* ( 2006.01 )  
*A61M 39/12* ( 2006.01 )  
*F16L 33/00* ( 2006.01 )  
 (43) 16.02.2023  
 (44) 04.05.2023  
 (62) 2018209202  
 (72) Bowsher, Richard Francis  
 (74) WRAYS PTY LTD

(71) Intuit Inc.  
 (11) AU-B-2022203574  
 (21) 2022203574 (22) 26.05.2022

(54) Smart navigation  
 (51) Int. Cl.  
*G06F 17/00* ( 2019.01 )  
*G05D 1/00* ( 2006.01 )  
*G06N 20/00* ( 2019.01 )  
 (31) 63/193,139 (32) 26.05.21 (33) US  
 17/663,976 18.05.22 US  
 (43) 15.12.2022  
 (44) 04.05.2023  
 (72) DOUTHIT, Ronnie Douglas; MOHAPATRA, Deepankar; SINGH, Mithilesh Kumar; BHATIA, Manish Omprakash; DANBY, Jessica Colleen; HEO, Somn  
 (74) Davies Collison Cave Pty Ltd

(71) iSOL8 Pty Ltd  
 (11) AU-B-2022201115  
 (21) 2022201115 (22) 18.02.2022  
 (54) Apparatus and Related Method for Isolation Locking of an Asset  
 (51) Int. Cl.  
*F16P 3/00* ( 2006.01 )  
*E05B 19/00* ( 2006.01 )  
*E05B 67/00* ( 2006.01 )  
*G06Q 50/04* ( 2012.01 )  
*G07C 9/00* ( 2020.01 )  
 (43) 31.03.2022  
 (44) 04.05.2023  
 (62) 2019265222  
 (72) POWER, Stephen  
 (74) Golja Haines & Friend

(71) Jeld-Wen, Inc.  
 (11) AU-B-2021202760  
 (21) 2021202760 (22) 03.05.2021  
 (54) Drop roller press and method of making recessed panel doors  
 (51) Int. Cl.  
*B32B 37/10* ( 2006.01 )  
*B27M 3/18* ( 2006.01 )  
*B32B 3/12* ( 2006.01 )  
*B32B 37/18* ( 2006.01 )  
*E06B 3/70* ( 2006.01 )  
 (31) 16/870,756 (32) 08.05.20 (33) US  
 (43) 25.11.2021  
 (44) 04.05.2023  
 (72) Maher, Daniel; Brown, Wilson  
 (74) Spruson & Ferguson

(71) Johnson & Johnson Consumer Inc.  
 (11) AU-B-2017291679  
 (21) 2017291679 (22) 03.05.2017  
 (54) System of personal care products for human developmental stages  
 (51) Int. Cl.  
*A45D 34/00* ( 2006.01 )  
 (87) WO2018/009266  
 (31) 62/358,213 (32) 05.07.16 (33) US  
 (43) 11.01.2018  
 (44) 04.05.2023  
 (72) Bonner, Patricia; Nikolovski, Janeta; Wajih, Hanan; Alvarado, Sandrine; Zunino, Helene; Urista Cardenas, Maria  
 (74) Spruson & Ferguson



Applications Accepted - Name Index cont'd

(71) JPH3 Pty Ltd  
 (11) AU-B-2018241166  
 (21) 2018241166 (22) 05.10.2018  
 (54) SAFETY APPARATUS FOR A FIFTH WHEEL COUPLING  
 (51) Int. Cl.  
     **B60D 1/01** ( 2006.01 )  
     **B60T 11/10** ( 2006.01 )  
     **B62D 53/08** ( 2006.01 )  
 (31) 2018901925 (32) 30.05.18 (33) AU  
 (43) 19.12.2019  
 (44) 04.05.2023  
 (72) Pearson, James Gordon  
 (74) Adams Pluck

(71) Kabushiki Kaisha Toshiba; Toshiba Energy Systems & Solutions Corporation  
 (11) AU-B-2022200028  
 (21) 2022200028 (22) 05.01.2022  
 (54) Insulation diagnostic system and insulation diagnostic method  
 (51) Int. Cl.  
     **G01R 31/12** ( 2020.01 )  
     **G01R 19/04** ( 2006.01 )  
     **G01R 31/34** ( 2020.01 )  
 (31) 2021-001838 (32) 08.01.21 (33) JP  
 (43) 28.07.2022  
 (44) 04.05.2023  
 (72) Harakawa, Takashi; Takanezawa, Makoto; Fujimoto, Akira; Hiroshima, Satoshi; Shioda, Kazunori  
 (74) Davies Collison Cave Pty Ltd

(71) Kleemann GmbH  
 (11) AU-B-2017347381  
 (21) 2017347381 (22) 11.10.2017  
 (54) Conveyor belt arrangement of a material processing device  
 (51) Int. Cl.  
     **B65G 21/12** ( 2006.01 )  
     **B02C 23/02** ( 2006.01 )  
     **B60P 1/36** ( 2006.01 )  
     **B60P 3/00** ( 2006.01 )  
     **B65G 41/00** ( 2006.01 )  
 (87) WO2018/073067  
 (31) 10 2016 119 856.0 (32) 18.10.16 (33) DE  
 (43) 26.04.2018  
 (44) 04.05.2023  
 (72) Köpf, Reiner; Lebender, Frank; Geywitz, Tobias  
 (74) Integrated IP

(71) KMW Inc.  
 (11) AU-B-2020215388  
 (21) 2020215388 (22) 17.01.2020  
 (54) Wireless communication device  
 (51) Int. Cl.  
     **H01Q 1/42** ( 2006.01 )  
     **H01Q 1/02** ( 2006.01 )  
 (87) WO2020/159129  
 (31) 10-2019-0013406 (32) 01.02.19 (33) KR  
 (43) 06.08.2020  
 (44) 04.05.2023  
 (72) KIM, Yoon Yong; KIM, Inho; KANG, Seong-man; YEO, Jin Soo; PARK, Daemyung  
 (74) Eagar & Associates Pty Ltd

(71) Kraft Foods Group Brands LLC  
 (11) AU-B-2017367999  
 (21) 2017367999 (22) 28.11.2017  
 (54) Microwavable packages and food products  
 (51) Int. Cl.  
     **B65D 81/34** ( 2006.01 )  
     **B65D 81/26** ( 2006.01 )  
 (87) WO2018/102273  
 (31) 62/428,314 (32) 30.11.16 (33) US  
 (43) 07.06.2018  
 (44) 04.05.2023  
 (72) Uribe, Travis Dillion; Parker, Jacob M.  
 (74) AJ PARK

(71) Kuhne Anlagenbau GmbH  
 (11) AU-B-2020267808  
 (21) 2020267808 (22) 30.04.2020  
 (54) Method for producing a multi-layer composite film, multi-layer composite film and use thereof  
 (51) Int. Cl.  
     **B32B 27/08** ( 2006.01 )  
     **B29C 48/00** ( 2019.01 )  
     **B29C 48/21** ( 2019.01 )  
     **B29C 55/12** ( 2006.01 )  
     **B32B 1/08** ( 2006.01 )  
     **B32B 7/027** ( 2019.01 )  
     **B32B 7/12** ( 2006.01 )  
     **B32B 27/30** ( 2006.01 )  
     **B32B 27/32** ( 2006.01 )  
     **B32B 27/34** ( 2006.01 )  
     **B32B 27/36** ( 2006.01 )  
     **B65D 37/00** ( 2006.01 )  
     **B65D 65/40** ( 2006.01 )  
     **C08L 27/08** ( 2006.01 )  
 (87) WO2020/225136  
 (31) 10 2019 111 458.6 (32) 03.05.19 (33) DE  
 (43) 12.11.2020  
 (44) 04.05.2023  
 (72) SCHIFFMANN, Jürgen Michael  
 (74) Griffith Hack

(71) LanzaTech NZ, Inc.  
 (11) AU-B-2021201835  
 (21) 2021201835 (22) 24.03.2021  
 (54) Gas testing unit and method  
 (51) Int. Cl.  
     **G01N 30/88** ( 2006.01 )  
     **C12M 1/34** ( 2006.01 )  
     **C12M 3/00** ( 2006.01 )  
     **C12N 1/20** ( 2006.01 )  
     **G01N 30/62** ( 2006.01 )  
     **G01N 33/00** ( 2006.01 )  
 (43) 22.04.2021  
 (44) 04.05.2023  
 (62) 2015335917  
 (72) HEIJSTRA, Bjorn Daniel; SIMPSON, Sean Dennis; BOURDAKOS, Nicholas; BROMLEY, Jason Carl; YAP, Kai-Ming  
 (74) SR Intellectual Property

(71) Lexmark International, Inc.  
 (11) AU-B-2019364197  
 (21) 2019364197 (22) 01.10.2019  
 (54) Toner cartridge electrical contacts  
 (51) Int. Cl.  
     **G03G 21/18** ( 2006.01 )

**G03G 15/00** ( 2006.01 )  
 (87) WO2020/086223  
 (31) 16/170,564 (32) 25.10.18 (33) US  
 (43) 30.04.2020  
 (44) 04.05.2023  
 (72) AMANN, Mark William; BOETTCHER, Brian Lester; CARTER II, James Anthony; DEVORE, Benjamin Charles; GETTELFINGER, Darin Michael  
 (74) WRAYS PTY LTD

(71) LG Electronics Inc.  
 (11) AU-B-2019332488  
 (21) 2019332488 (22) 21.08.2019  
 (54) Washing machine  
 (51) Int. Cl.  
     **D06F 37/06** ( 2006.01 )  
     **D06F 37/22** ( 2006.01 )  
     **D06F 37/42** ( 2006.01 )  
 (87) WO2020/045887  
 (31) 10-2018-0103078 (32) 30.08.18 (33) KR  
     10-2019-0001970 07.01.19 KR  
 (43) 05.03.2020  
 (44) 04.05.2023  
 (72) KIM, Jaehyun; KIM, Kayeon; LEE, Junghoon; IM, Myunghun; WOO, Kyungchul; YU, Seonhwa; JUNG, Hwanjin  
 (74) FB Rice Pty Ltd

(71) LG Electronics Inc.  
 (11) AU-B-2019354500  
 (21) 2019354500 (22) 02.10.2019  
 (54) Refrigerator and method for controlling the same  
 (51) Int. Cl.  
     **F25D 11/00** ( 2006.01 )  
     **F25C 1/18** ( 2006.01 )  
     **F25C 1/24** ( 2018.01 )  
     **F25C 5/02** ( 2006.01 )  
     **F25D 25/02** ( 2006.01 )  
     **F25D 29/00** ( 2006.01 )  
 (87) WO2020/071822  
 (31) 10-2018-0117819 (32) 02.10.18 (33) KR  
     10-2018-0117821 02.10.18 KR  
     10-2018-0117822 02.10.18 KR  
     10-2018-0117785 02.10.18 KR  
     10-2018-0142117 16.11.18 KR  
     10-2019-0081744 06.07.19 KR  
 (43) 09.04.2020  
 (44) 04.05.2023  
 (72) LEE, Donghoon; LEE, Wookyong; YEOM, Seungseob; LEE, Donghoon; BAE, Yongjun; SON, Sunggyun; PARK, Chongyoung  
 (74) Dentons Patent Attorneys Australasia Limited

(71) LG Electronics Inc.  
 (11) AU-B-2020232109  
 (21) 2020232109 (22) 04.03.2020  
 (54) Intra block coding-based video or image coding  
 (51) Int. Cl.  
     **H04N 19/11** ( 2014.01 )  
     **H04N 19/105** ( 2014.01 )  
     **H04N 19/132** ( 2014.01 )  
     **H04N 19/176** ( 2014.01 )  
     **H04N 19/593** ( 2014.01 )

Applications Accepted - Name Index cont'd

**H04N 19/70** ( 2014.01 )  
**(87)** WO2020/180100  
**(31)** 62/813,731 **(32)** 04.03.19 **(33)** US  
**(43)** 10.09.2020  
**(44)** 04.05.2023  
**(72)** NAM, Jung Hak; JANG, Hyeongmoon  
**(74)** Dentons Patent Attorneys Australasia Limited

**(71)** Long Bamboo Technology Group Co., Ltd.  
**(11)** AU-B-2021258025  
**(21)** 2021258025 **(22)** 20.02.2021  
**(54)** Bamboo straw machining method  
**(51)** Int. Cl.  
**B27J 1/00** ( 2006.01 )  
**(87)** WO2022/126853  
**(31)** 2020114953944 **(32)** 17.12.20 **(33)** CN  
**(43)** 07.07.2022  
**(44)** 04.05.2023  
**(72)** LIAN, Jianchang; FENG, Lei  
**(74)** Michael Buck IP

**MATYAC, M. see North American Power Products, Inc.**  
**(21)** 2018374870

**(71)** Medical Enterprises Distribution, LLC  
**(11)** AU-B-2021277672  
**(21)** 2021277672 **(22)** 01.12.2021  
**(54)** Electric motor driven tool for orthopedic impacting  
**(51)** Int. Cl.  
**A61B 17/92** ( 2006.01 )  
**B25D 11/06** ( 2006.01 )  
**B25D 11/10** ( 2006.01 )  
**A61F 2/46** ( 2006.01 )  
**(43)** 23.12.2021  
**(44)** 04.05.2023  
**(62)** 2020200771  
**(72)** Pedicini, Christopher  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** Metagenics LLC  
**(11)** AU-B-2020260090  
**(21)** 2020260090 **(22)** 14.04.2020  
**(54)** Novel hemp and PEA formulation and its use  
**(51)** Int. Cl.  
**A23L 33/105** ( 2016.01 )  
**A23J 1/14** ( 2006.01 )  
**A23L 33/12** ( 2016.01 )  
**A23L 33/155** ( 2016.01 )  
**A61K 36/185** ( 2006.01 )  
**(87)** WO2020/214569  
**(31)** 62/834,325 **(32)** 15.04.19 **(33)** US  
**(43)** 22.10.2020  
**(44)** 04.05.2023  
**(72)** KARIMIAN AZARI, Elnaz; O'CONNOR, Annalouise; CONTRACTOR, Nikhat  
**(74)** Davies Collison Cave Pty Ltd

**(71)** Metrc LLC  
**(11)** AU-B-2021200993  
**(21)** 2021200993 **(22)** 16.02.2021  
**(54)** A WEARABLE RFID SYSTEM

**(51)** Int. Cl.  
**G06K 7/00** ( 2006.01 )  
**G08B 1/00** ( 2006.01 )  
**(43)** 11.03.2021  
**(44)** 04.05.2023  
**(62)** 2019200004  
**(72)** DAGDELEN UYSAL, Dilek; ALTUNBAS, Ahmet Erdem; WELLS, Jeffery Lane  
**(74)** Collison & Co

**(71)** ModernaTX, Inc.  
**(11)** AU-B-2017277277  
**(21)** 2017277277 **(22)** 06.06.2017  
**(54)** Modified RNA encoding VEGF-A polypeptides, formulations, and uses relating thereto  
**(51)** Int. Cl.  
**C07K 14/52** ( 2006.01 )  
**A61K 31/7088** ( 2006.01 )  
**A61K 39/00** ( 2006.01 )  
**A61K 47/02** ( 2006.01 )  
**A61K 48/00** ( 2006.01 )  
**(87)** WO2017/214175  
**(31)** 62/346,979 **(32)** 07.06.16 **(33)** US  
 62/432,005 09.12.16 US  
 62/411,091 21.10.16 US  
**(43)** 14.12.2017  
**(44)** 04.05.2023  
**(72)** Parinder, Leif Karlsson; Fritsche Danielson, Regina Desirée; Hansson, Kenny Mikael; Gan, Li Ming; Clarke, Jonathan; Egnell, Ann-Charlotte Eva; Chien, Kenneth Randall  
**(74)** Phillips Ormonde Fitzpatrick

**(71)** Montanuniversität Leoben  
**(11)** AU-B-2017408055  
**(21)** 2017408055 **(22)** 06.04.2017  
**(54)** Method for removing fluoride from a zinc-containing solution or suspension, defluoridated zinc sulfate solution and use thereof, and method for producing zinc and hydrogen fluoride or hydrofluoric acid  
**(51)** Int. Cl.  
**C22B 7/00** ( 2006.01 )  
**A23K 20/20** ( 2016.01 )  
**C01B 7/19** ( 2006.01 )  
**C22B 3/00** ( 2006.01 )  
**C22B 3/08** ( 2006.01 )  
**C22B 19/30** ( 2006.01 )  
**(87)** WO2018/184686  
**(43)** 11.10.2018  
**(44)** 04.05.2023  
**(72)** Ludewig, Fritz; Steinlechner, Stefan; Antrekowitsch, Jürgen  
**(74)** Spruson & Ferguson

**(71)** Morinaga Milk Industry Co., Ltd.  
**(11)** AU-B-2018414925  
**(21)** 2018414925 **(22)** 23.03.2018  
**(54)** Composition for promoting the secretion of FGF21  
**(51)** Int. Cl.  
**A61K 35/745** ( 2015.01 )  
**A61K 31/702** ( 2006.01 )  
**A61P 1/00** ( 2006.01 )  
**A61P 9/00** ( 2006.01 )

**A61P 9/10** ( 2006.01 )  
**A61P 43/00** ( 2006.01 )  
**C12N 1/00** ( 2006.01 )  
**(87)** WO2019/180964  
**(43)** 26.09.2019  
**(44)** 04.05.2023  
**(72)** EHARA, Tatsuya; IZUMI, Hirohisa; SHIMIZU, Takashi  
**(74)** Griffith Hack

**(71)** NanoomEnergy Co., Ltd.  
**(11)** AU-B-2020413491  
**(21)** 2020413491 **(22)** 31.07.2020  
**(54)** Method for extracting roof edge image for installing solar panel by using machine learning  
**(51)** Int. Cl.  
**G06T 7/13** ( 2017.01 )  
**G06N 3/08** ( 2006.01 )  
**G06T 7/11** ( 2017.01 )  
**H04L 9/08** ( 2006.01 )  
**(87)** WO2021/132829  
**(31)** 10-2019-0175767 **(32)** 26.12.19 **(33)** KR  
**(43)** 01.07.2021  
**(44)** 04.05.2023  
**(72)** BYUN, Yungcheol; YANG, Jihyeok; HAZRA, Debaprya  
**(74)** LAMINAR IP PTY LTD

**(71)** North American Power Products, Inc.; MATYAC, M.  
**(11)** AU-B-2018374870  
**(21)** 2018374870 **(22)** 28.11.2018  
**(54)** Method and apparatus for switching a load between two power sources  
**(51)** Int. Cl.  
**H02J 3/14** ( 2006.01 )  
**H02J 3/38** ( 2006.01 )  
**H02M 7/42** ( 2006.01 )  
**(87)** WO2019/108613  
**(31)** 15/825,644 **(32)** 29.11.17 **(33)** US  
**(43)** 06.06.2019  
**(44)** 04.05.2023  
**(72)** MATYAC, Mark  
**(74)** Armour IP Pty Ltd

**Northeastern University see TargaGenix, Inc.**  
**(21)** 2017277497

**(71)** Novartis AG  
**(11)** AU-B-2021202757  
**(21)** 2021202757 **(22)** 03.05.2021  
**(54)** Uses of myostatin antagonists, combinations containing them and uses thereof  
**(51)** Int. Cl.  
**A61K 31/282** ( 2006.01 )  
**A61K 31/436** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**(43)** 03.06.2021

Applications Accepted - Name Index cont'd

(44) 04.05.2023  
 (62) 2019229380  
 (72) Klickstein, Lloyd B.; Roubenoff, Ron-  
 enn; Feige, Jerome; Trifileff, Estelle;  
 Hakateyama, Shinji  
 (74) Davies Collision Cave Pty Ltd

---

(71) Nuovo Pignone Tecnologie - S.r.l.  
 (11) AU-B-2020236613  
 (21) 2020236613 (22) 06.03.2020  
 (54) A turbomachinery component with a  
 metallic coating  
 (51) Int. Cl.  
**C23C 18/16** ( 2006.01 )  
**C23C 18/32** ( 2006.01 )  
 (87) WO2020/182348  
 (31) 102019000003463 (32) 11.03.19 (33) IT  
 (43) 17.09.2020  
 (44) 04.05.2023  
 (72) PULCI, Giovanni; MARRA, Francesco;  
 GENOVA, Virgilio; PAGLIA, Laura;  
 PRANZETTI, Alice; ROMANELLI,  
 Marco; DI PIETRO, Domenico; CAP-  
 PUCCINI, Filippo  
 (74) Phillips Ormonde Fitzpatrick

---

(71) Ocado Innovation Limited  
 (11) AU-B-2020205443  
 (21) 2020205443 (22) 09.01.2020  
 (54) Growing systems and methods  
 (51) Int. Cl.  
**A01G 31/06** ( 2006.01 )  
**A01G 9/14** ( 2006.01 )  
**B65G 1/04** ( 2006.01 )  
**B65G 1/06** ( 2006.01 )  
**B65G 57/03** ( 2006.01 )  
**B65G 63/00** ( 2006.01 )  
 (87) WO2020/144269  
 (31) 1900322.7 (32) 09.01.19 (33) GB  
 (43) 16.07.2020  
 (44) 04.05.2023  
 (72) WHELAN, Matthew; LINDBO, Lars  
 Sverker Ture; CLARKE, Paul; IN-  
 GRAM-TEDD, Andrew John  
 (74) Griffith Hack

---

**On Target Therapeutics, LLC. see Tufts  
 Medical Center**  
 (21) 2017210118

---

(71) Orbital Systems AB  
 (11) AU-B-2018235905  
 (21) 2018235905 (22) 12.03.2018  
 (54) Method for individually adjusting output  
 water temperature in a device compris-  
 ing multiple outlets  
 (51) Int. Cl.  
**A47K 3/28** ( 2006.01 )  
**E03B 1/04** ( 2006.01 )  
**E03C 1/04** ( 2006.01 )  
 (87) WO2018/169474  
 (31) 1750307-9 (32) 15.03.17 (33) SE  
 (43) 20.09.2018  
 (44) 04.05.2023  
 (72) Ridell, Michael  
 (74) FOUNDRY INTELLECTUAL PROP-  
 ERTY PTY LTD

(71) OSIssoft, LLC  
 (11) AU-B-2022202804  
 (21) 2022202804 (22) 28.04.2022  
 (54) Managing shared resources in a distrib-  
 uted computing system  
 (51) Int. Cl.  
**G06F 9/50** ( 2006.01 )  
**G06F 15/16** ( 2006.01 )  
 (43) 19.05.2022  
 (44) 04.05.2023  
 (62) 2018418837  
 (72) MOORE, Zachary Christian; GILBERT,  
 Ryan Michael; HOSSAIN, Ahanuf Tah-  
 amid; SEYMOUR, Thomas Foss  
 (74) FPA Patent Attorneys Pty Ltd

---

(71) Pacesetter, Inc.  
 (11) AU-B-2018288868  
 (21) 2018288868 (22) 22.06.2018  
 (54) Stimulation lead and method including  
 a multi-dimensional electrode array  
 (51) Int. Cl.  
**A61N 1/05** ( 2006.01 )  
 (87) WO2018/237310  
 (31) 15/631,127 (32) 23.06.17 (33) US  
 15/631,135 23.06.17 US  
 (43) 27.12.2018  
 (44) 04.05.2023  
 (72) DUBUCLET, Jodi, T.; BRINKMAN, Cory  
 (74) Pizzeyes Patent and Trade Mark Attor-  
 neys Pty Ltd

---

(71) Provectus Pharmatech, Inc.; The Gov-  
 ernors Of The University Of Calgary  
 (11) AU-B-2019268353  
 (21) 2019268353 (22) 15.05.2019  
 (54) In vitro and xenograft anti-tumor activity  
 of a halogenated-xanthene against re-  
 fractory pediatric solid tumors  
 (51) Int. Cl.  
**A61K 31/352** ( 2006.01 )  
**A61K 45/06** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
 (87) WO2019/222361  
 (31) 62/672,373 (32) 16.05.18 (33) US  
 (43) 21.11.2019  
 (44) 04.05.2023  
 (72) SINGER, Jamie; WACHTER, Eric A.;  
 SWIFT, Lucy; ZHANG, Chunfen; TRIP-  
 PETT, Tanya; NARENDRAN, Aru  
 (74) FPA Patent Attorneys Pty Ltd

---

(71) Ramot at Tel-Aviv University Ltd.  
 (11) AU-B-2017311684  
 (21) 2017311684 (22) 14.08.2017  
 (54) Mesenchymal cell-derived exosomes to  
 treat neurological disorders  
 (51) Int. Cl.  
**A61K 35/12** ( 2006.01 )  
**A61P 25/18** ( 2006.01 )  
**A61P 25/28** ( 2006.01 )  
 (87) WO2018/033911  
 (31) 62/374,852 (32) 14.08.16 (33) US  
 (43) 22.02.2018

(44) 04.05.2023  
 (72) Offen, Daniel; Perets, Nisim  
 (74) Pipers Intellectual Property

---

(71) Rauch Landmaschinenfabrik GmbH  
 (11) AU-B-2018230339  
 (21) 2018230339 (22) 05.03.2018  
 (54) Distribution machine and metering ele-  
 ment suitable for said distribution ma-  
 chine  
 (51) Int. Cl.  
**A01C 17/00** ( 2006.01 )  
**A01C 19/02** ( 2006.01 )  
 (87) WO2018/162116  
 (31) 20 2017 001 237.5 (32) 09.03.17 (33) DE  
 (43) 13.09.2018  
 (44) 04.05.2023  
 (72) Stöcklin, Volker; Zeitvogel, Thomas;  
 Doll, Franz  
 (74) KINGS PATENT & TRADE MARKS AT-  
 TORNEYS PTY LTD

---

(71) Regeneron Pharmaceuticals, Inc.  
 (11) AU-B-2018210253  
 (21) 2018210253 (22) 19.01.2018  
 (54) Rotatable surgical table  
 (51) Int. Cl.  
**A61D 3/00** ( 2006.01 )  
**A61D 7/04** ( 2006.01 )  
 (87) WO2018/136681  
 (31) 62/448,710 (32) 20.01.17 (33) US  
 (43) 26.07.2018  
 (44) 04.05.2023  
 (72) Strein, John; Cichon, Sam  
 (74) Phillips Ormonde Fitzpatrick

---

(71) Rhombus Systems Group, Inc.  
 (11) AU-B-2017270593  
 (21) 2017270593 (22) 30.05.2017  
 (54) Radar system to track low flying un-  
 manned aerial vehicles and objects  
 (51) Int. Cl.  
**G08G 5/00** ( 2006.01 )  
 (87) WO2017/205874  
 (31) 62/342,585 (32) 27.05.16 (33) US  
 (43) 30.11.2017  
 (44) 04.05.2023  
 (72) Olson, Erlend  
 (74) Intellectro

---

(71) Robert Bosch GmbH  
 (11) AU-B-2016269474  
 (21) 2016269474 (22) 07.12.2016  
 (54) METHOD FOR OPERATING A MO-  
 TOR-DRIVEN SPORTS EQUIPMENT  
 (51) Int. Cl.  
**B60K 31/18** ( 2006.01 )  
**B60W 40/12** ( 2012.01 )  
**B63H 25/50** ( 2006.01 )  
 (43) 21.06.2018  
 (44) 04.05.2023  
 (72) Weissenmayer, Simon; Haffelder, Jo-  
 erg; Koenig, Timo  
 (74) Spruson & Ferguson

Applications Accepted - Name Index cont'd

(71) Rush Company, Inc.  
 (11) AU-B-2018204619  
 (21) 2018204619 (22) 25.06.2018  
 (54) Portable livestock sun shade  
 (51) Int. Cl.  
     A01K 1/00 ( 2006.01 )  
     A45B 23/00 ( 2006.01 )  
 (31) 62/557,993 (32) 13.09.17 (33) US  
     15/894,636 12.02.18 US  
 (43) 28.03.2019  
 (44) 04.05.2023  
 (72) Harvey, Christopher; Fathke, Daniel;  
     Shorma, William; Hejna, Andrew  
 (74) FB Rice Pty Ltd

(71) S&C Electric Company  
 (11) AU-B-2020259358  
 (21) 2020259358 (22) 14.04.2020  
 (54) Guiding pull ring  
 (51) Int. Cl.  
     H01H 33/664 ( 2006.01 )  
     H01H 31/12 ( 2006.01 )  
     H01H 33/66 ( 2006.01 )  
     H01H 33/666 ( 2006.01 )  
     H01H 75/04 ( 2006.01 )  
 (87) WO2020/214591  
 (31) 62/835,621 (32) 18.04.19 (33) US  
 (43) 22.10.2020  
 (44) 04.05.2023  
 (72) GOLDMAN, David; FANTA, Thomas  
 (74) Spruson & Ferguson

(71) Sagemcom Energy & Telecom SAS  
 (11) AU-B-2019246754  
 (21) 2019246754 (22) 08.10.2019  
 (54) COMMUNICATION METHOD  
 (51) Int. Cl.  
     H04L 12/46 ( 2006.01 )  
     H04L 1/18 ( 2006.01 )  
     H04W 80/02 ( 2009.01 )  
 (31) 18/59364 (32) 09.10.18 (33) FR  
 (43) 23.04.2020  
 (44) 04.05.2023  
 (72) Tebouille, Henri; Le Gourrierec, Marc  
 (74) Madderns Pty Ltd

(71) Schmidt & Bender GmbH & Co. KG  
 (11) AU-B-2017272258  
 (21) 2017272258 (22) 07.12.2017  
 (54) Reversing system for telescopic sights,  
     and telescopic sight having such a re-  
     versing system  
 (51) Int. Cl.  
     F41G 1/38 ( 2006.01 )  
     G02B 7/10 ( 2006.01 )  
 (31) 10 2017 100 652.4 (32) 13.01.17 (33) DE  
 (43) 02.08.2018  
 (44) 04.05.2023  
 (72) Fuhrmann, Lothar; Holler, Jonas  
     Joachim; Deusing, Hartmut  
 (74) Davies Collison Cave Pty Ltd

(71) SCHOTT Primoceler Oy  
 (11) AU-B-2020371187  
 (21) 2020371187 (22) 20.10.2020  
 (54) Glass compound arrangement  
 (51) Int. Cl.

C03B 23/24 ( 2006.01 )  
 B23K 26/0622 ( 2014.01 )  
 B23K 26/20 ( 2014.01 )  
 B23K 26/22 ( 2006.01 )  
 B23K 26/244 ( 2014.01 )  
 B23K 26/324 ( 2014.01 )  
 B23K 101/18 ( 2006.01 )  
 B23K 101/36 ( 2006.01 )  
 B23K 103/00 ( 2006.01 )  
 (87) WO2021/078731  
 (31) 19205115.9 (32) 24.10.19 (33) EP  
 (43) 29.04.2021  
 (44) 04.05.2023  
 (72) THOMAS, Jens Ulrich; MÄÄTTÄNEN,  
     Antti  
 (74) FB Rice Pty Ltd

(71) Seafarming Systems AS  
 (11) AU-B-2021341408  
 (21) 2021341408 (22) 10.09.2021  
 (54) A fish farming facility comprising a con-  
     trollable enclosure  
 (51) Int. Cl.  
     A01K 61/60 ( 2017.01 )  
     A01K 61/10 ( 2017.01 )  
 (87) WO2022/055359  
 (31) 20200994 (32) 10.09.20 (33) NO  
 (43) 17.03.2022  
 (44) 04.05.2023  
 (72) SANDSTAD, Alf Reidar  
 (74) Michael Buck IP

(71) Sealed Air Corporation (US)  
 (11) AU-B-2017350683  
 (21) 2017350683 (22) 20.10.2017  
 (54) Inflatable pouches with reduced exterior  
     distortions  
 (51) Int. Cl.  
     B31D 5/00 ( 2017.01 )  
     B65B 55/20 ( 2006.01 )  
     B65D 33/00 ( 2006.01 )  
     B65D 81/05 ( 2006.01 )  
 (87) WO2018/080909  
 (31) 62/411,719 (32) 24.10.16 (33) US  
 (43) 03.05.2018  
 (44) 04.05.2023  
 (72) O'Dowd, Robert; Kannankeril, Charles;  
     Moehlenbrock, Andrew; Owensby,  
     Joseph; Conner, Howard  
 (74) Davies Collison Cave Pty Ltd

(71) Seattle Children's Hospital (dba Seattle  
     Children's Research Institute)  
 (11) AU-B-2021201679  
 (21) 2021201679 (22) 17.03.2021  
 (54) Transgene genetic tags and methods of  
     use  
 (51) Int. Cl.  
     C07K 16/28 ( 2006.01 )  
     A61K 39/39 ( 2006.01 )  
 (43) 08.04.2021  
 (44) 04.05.2023  
 (62) 2015243849  
 (72) Jensen, Michael C.; Johnson, Adam  
 (74) Griffith Hack

Shanghai Envision Digital Co., Ltd. see En-  
 vision Digital International Pte. Ltd.  
 (21) 2021206497

(71) Shenyang Research Institute of China  
     Coal Technology & Engineering Group  
 (11) AU-B-2022202274  
 (21) 2022202274 (22) 05.04.2022  
 (54) APPARATUS AND METHOD FOR  
     MEASURING SHORTEST SPONTAN-  
     EOUS COMBUSTION PERIOD OF  
     COAL  
 (51) Int. Cl.  
     G01N 25/22 ( 2006.01 )  
     F23N 5/02 ( 2006.01 )  
     G01N 7/06 ( 2006.01 )  
 (31) 202111524031.3 (32) 14.12.21 (33) CN  
 (43) 04.05.2023  
 (44) 04.05.2023  
 (72) Liang, Yuntao; Song, Shuanglin; Liu,  
     Lei; Tian, Fuchao; Ge, Huan; Su, Wei-  
     wei  
 (74) Madderns Pty Ltd

(71) SICPA HOLDING SA  
 (11) AU-B-2018294308  
 (21) 2018294308 (22) 20.06.2018  
 (54) Printing of security features  
 (51) Int. Cl.  
     C09D 11/322 ( 2014.01 )  
     B41M 3/14 ( 2006.01 )  
     B41M 5/00 ( 2006.01 )  
 (87) WO2019/002046  
 (31) 17177904.4 (32) 26.06.17 (33) EP  
 (43) 03.01.2019  
 (44) 04.05.2023  
 (72) Martini, Thibaut  
 (74) Spruson & Ferguson

(71) Snap-on Incorporated  
 (11) AU-B-2021204206  
 (21) 2021204206 (22) 22.06.2021  
 (54) Tool with double leaf spring  
 (51) Int. Cl.  
     B25B 13/46 ( 2006.01 )  
     B25B 23/00 ( 2006.01 )  
 (43) 15.07.2021  
 (44) 04.05.2023  
 (62) 2019222858  
 (72) THOMPSON, Christopher D.; ROSS,  
     David T.  
 (74) Griffith Hack

(71) South East Water Corporation  
 (11) AU-B-2020260274  
 (21) 2020260274 (22) 15.04.2020  
 (54) Hot water unit supply control systems  
     and methods  
 (51) Int. Cl.  
     F24H 4/02 ( 2006.01 )  
     F24D 3/18 ( 2006.01 )  
     F24D 17/02 ( 2006.01 )  
     F24D 19/10 ( 2006.01 )  
     F25B 30/00 ( 2006.01 )  
 (87) WO2020/210866  
 (31) 2019901312 (32) 16.04.19 (33) AU  
 (43) 22.10.2020

Applications Accepted - Name Index cont'd

(44) 04.05.2023  
 (72) DHARMADHIKARI, Ninad;  
 BERGMANN, David  
 (74) Davies Collison Cave Pty Ltd

(71) Specialized Desanders Inc.  
 (11) AU-B-2018276084  
 (21) 2018276084 (22) 29.05.2018  
 (54) Gravity desanding apparatus with filter polisher  
 (51) Int. Cl.  
*B01D 21/24* ( 2006.01 )  
*B01D 21/26* ( 2006.01 )  
*B01D 35/02* ( 2006.01 )  
 (87) WO2018/218345  
 (31) 62/512,600 (32) 30.05.17 (33) US  
 (43) 06.12.2018  
 (44) 04.05.2023  
 (72) Hemstock, Christopher A.  
 (74) Madderns Pty Ltd

(71) Svitzer A/S  
 (11) AU-B-2021240268  
 (21) 2021240268 (22) 30.09.2021  
 (54) Tugboat  
 (51) Int. Cl.  
*B63B 21/56* ( 2006.01 )  
*B63B 21/54* ( 2006.01 )  
*B63B 35/68* ( 2006.01 )  
 (43) 28.10.2021  
 (44) 04.05.2023  
 (62) 2018368626  
 (72) BANGSLUND, Thomas  
 (74) Spruson & Ferguson

(71) TargaGenix, Inc.; The Research Foundation for the State University of New York; Northeastern University  
 (11) AU-B-2017277497  
 (21) 2017277497 (22) 07.06.2017  
 (54) Nanoemulsion compositions of taxoid drugs, and methods for the use thereof to target cancer cells and cancer stem cells  
 (51) Int. Cl.  
*A61K 9/107* ( 2006.01 )  
*A61K 31/337* ( 2006.01 )  
 (87) WO2017/214260  
 (31) 62/346,755 (32) 07.06.16 (33) US  
 (43) 14.12.2017  
 (44) 04.05.2023  
 (72) Egan, James E.; Ojima, Iwao; Amiji, Mansoor M.; Botchkina, Galina Ivanovna  
 (74) Griffith Hack

(71) Terumo Medical Corporation  
 (11) AU-B-2020214845  
 (21) 2020214845 (22) 31.01.2020  
 (54) Suture delivery with asynchronous needle capture  
 (51) Int. Cl.  
*A61B 17/04* ( 2006.01 )  
*A61B 17/00* ( 2006.01 )  
 (87) WO2020/160407  
 (31) 16/263,569 (32) 31.01.19 (33) US  
 (43) 06.08.2020

(44) 04.05.2023  
 (72) JUAN, Chun-Chia; WENG, Yu-Shih  
 (74) Spruson & Ferguson

(71) Thales Holdings UK Plc  
 (11) AU-B-2019208147  
 (21) 2019208147 (22) 22.07.2019  
 (54) Wake and sub-sonic blast gunshot detection  
 (51) Int. Cl.  
*G01S 15/06* ( 2006.01 )  
*F41J 5/06* ( 2006.01 )  
 (31) 1812064.2 (32) 24.07.18 (33) GB  
 (43) 13.02.2020  
 (44) 04.05.2023  
 (72) Smith, Jonathan Neil  
 (74) Griffith Hack

(71) The Boeing Company  
 (11) AU-B-2018203173  
 (21) 2018203173 (22) 08.05.2018  
 (54) Common feed system for surface treatment and adhesive application  
 (51) Int. Cl.  
*B05C 3/18* ( 2006.01 )  
*B05C 5/02* ( 2006.01 )  
*B05D 3/06* ( 2006.01 )  
*B05D 5/10* ( 2006.01 )  
 (31) 15/626,221 (32) 19.06.17 (33) US  
 (43) 17.01.2019  
 (44) 04.05.2023  
 (72) MILLER, Richard Allen; BELCHER, Marcus Anthony; WILLIAMS, Stephen Howard  
 (74) FB Rice Pty Ltd

(71) The Boots Company PLC  
 (11) AU-B-2019422399  
 (21) 2019422399 (22) 12.12.2019  
 (54) Cosmetic o/w mascara compositions comprising polyurethane resin  
 (51) Int. Cl.  
*A61Q 1/10* ( 2006.01 )  
*A61K 8/06* ( 2006.01 )  
*A61K 8/87* ( 2006.01 )  
 (87) WO2020/147915  
 (31) 19020025.3 (32) 16.01.19 (33) EP  
 (43) 23.07.2020  
 (44) 04.05.2023  
 (72) BILLINGER, Emma; TOMLINSON, Paul James  
 (74) Griffith Hack

(71) The Chinese University of Hong Kong  
 (11) AU-B-2022231719  
 (21) 2022231719 (22) 14.09.2022  
 (54) Determination of base modifications of nucleic acids  
 (51) Int. Cl.  
*C12Q 1/6869* ( 2018.01 )  
*C12N 15/11* ( 2006.01 )  
 (43) 06.10.2022  
 (44) 04.05.2023  
 (62) 2022202791  
 (72) CHENG, Suk Hang; TSE, On Yee; PENG, Wenlei; JIANG, Peiyong;

CHAN, Kwan Chee; CHIU, Rossa Wai Kwun; LO, Yuk-Ming Dennis  
 (74) Griffith Hack

The Governors Of The University Of Calgary see Provectus Pharmatech, Inc.  
 (21) 2019268353

(71) The Institute of Cancer Research: Royal Cancer Hospital; Breast Cancer Now  
 (11) AU-B-2017205101  
 (21) 2017205101 (22) 06.01.2017  
 (54) Inhibitors of ataxia-telangiectasia mutated and Rad3-related protein kinase (ATR) for use in methods of treating cancer  
 (51) Int. Cl.  
*A61K 31/4965* ( 2006.01 )  
*A61K 31/497* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
 (87) WO2017/118734  
 (31) 1621472.8 (32) 16.12.16 (33) GB  
 1600388.1 08.01.16 GB  
 (43) 13.07.2017  
 (44) 04.05.2023  
 (72) Lord, Christopher James; Williamson, Chris; Jones, Samuel  
 (74) WRAYS PTY LTD

(71) The Procter & Gamble Company  
 (11) AU-B-2019405482  
 (21) 2019405482 (22) 17.12.2019  
 (54) Personal care composition with increased vapor release  
 (51) Int. Cl.  
*A61K 8/31* ( 2006.01 )  
*A61K 8/34* ( 2006.01 )  
*A61K 8/44* ( 2006.01 )  
*A61K 8/92* ( 2006.01 )  
*A61K 9/06* ( 2006.01 )  
*A61K 9/46* ( 2006.01 )  
*A61K 47/10* ( 2017.01 )  
*A61K 47/44* ( 2017.01 )  
*A61P 11/00* ( 2006.01 )  
*A61Q 19/00* ( 2006.01 )  
 (87) WO2020/131828

(31) 62/780,965 (32) 18.12.18 (33) US  
 (43) 25.06.2020  
 (44) 04.05.2023  
 (72) BINGHAM, Stephen; JACKOVA, Barbara; HAMPTON, Joshua; NEWLON, Jason William; KOCHHAR, Jaspreet Singh; KHANOLKAR, Jayant; FORN-EAR, Aline  
 (74) Griffith Hack

(71) The Regents of the University of California  
 (11) AU-B-2017289270  
 (21) 2017289270 (22) 27.06.2017  
 (54) Cancer treatment combinations  
 (51) Int. Cl.  
*A61K 31/517* ( 2006.01 )  
*A61K 31/41* ( 2006.01 )  
*A61K 31/4162* ( 2006.01 )  
*A61K 31/519* ( 2006.01 )

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**A61K 39/395** ( 2006.01 )  
**(87)** WO2018/005519  
**(31)** 62/355,171 **(32)** 27.06.16 **(33)** US  
**(43)** 04.01.2018  
**(44)** 04.05.2023  
**(72)** Kipps, Thomas J.; Chen, Liguang; Cui, Bing  
**(74)** Pizzzeys Patent and Trade Mark Attorneys Pty Ltd

**The Research Foundation for the State University of New York see TargaGenix, Inc.**

**(21)** 2017277497

**(71)** Timber Pharmaceuticals LLC  
**(11)** AU-B-2021206858  
**(21)** 2021206858 **(22)** 22.07.2021  
**(54)** Isotretinoin formulations and uses and methods thereof  
**(51)** Int. Cl.  
**A61K 9/00** ( 2006.01 )  
**A61K 9/14** ( 2006.01 )  
**A61K 9/48** ( 2006.01 )  
**A61Q 19/00** ( 2006.01 )  
**(43)** 12.08.2021  
**(44)** 04.05.2023  
**(62)** 2016346203  
**(72)** ROME, Zachary; EVANS, Charles Rodney Greenaway; BROWN, Marc Barry; CASERTA, Francesco  
**(74)** FB Rice Pty Ltd

**Toshiba Energy Systems & Solutions Corporation see Kabushiki Kaisha Toshiba**

**(21)** 2022200028

**(71)** Tria Pte. Ltd.  
**(11)** AU-B-2017408990  
**(21)** 2017408990 **(22)** 14.04.2017  
**(54)** Apparatus for treating mixed waste and method thereof  
**(51)** Int. Cl.  
**C02F 1/30** ( 2006.01 )  
**B01J 19/12** ( 2006.01 )  
**B09B 3/00** ( 2006.01 )  
**F26B 3/347** ( 2006.01 )  
**(87)** WO2018/190769  
**(43)** 18.10.2018  
**(44)** 04.05.2023  
**(72)** Tan, Meng Chong; Ng, Pei Kang  
**(74)** FOUNDRY INTELLECTUAL PROPERTY PTY LTD

**TRON - Translationale Onkologie an der Universitätsmedizin der Johannes Gutenberg-Universität Mainz Gemeinnützige GmbH see Astellas Pharma Inc.**

**(21)** 2018327587

**(71)** Trustees of Boston University; Beta Bionics, Inc.  
**(11)** AU-B-2021202918  
**(21)** 2021202918 **(22)** 07.05.2021

**(54)** INFUSION SYSTEM AND COMPONENTS THEREOF  
**(51)** Int. Cl.  
**A61J 1/22** ( 2006.01 )  
**A61J 1/20** ( 2006.01 )  
**(43)** 03.06.2021  
**(44)** 04.05.2023  
**(62)** 2018206409  
**(72)** DAMIANO, Edward, R.; Selagamsetty, Rajendranath; El-Khatib, Firas H.; Knobel, Bryan; Carr, Ray  
**(74)** Michael Buck IP

**Trustees of Tufts College see Tufts Medical Center**

**(21)** 2017210118

**(71)** Tufts Medical Center; Trustees of Tufts College; On Target Therapeutics, LLC.

**(11)** AU-B-2017210118  
**(21)** 2017210118 **(22)** 23.01.2017  
**(54)** Compounds and methods for treating inflammation  
**(51)** Int. Cl.  
**A61K 38/00** ( 2006.01 )  
**A61P 29/00** ( 2006.01 )  
**(87)** WO2017/127827  
**(31)** 62/286,070 **(32)** 22.01.16 **(33)** US  
**(43)** 27.07.2017  
**(44)** 04.05.2023  
**(72)** Kumar, Krishna; Kopin, Alan S.; Harwood, Benjamin N.; Raman, Venkata S.; Hamrah, Pedram; Cohen, Charles  
**(74)** Phillips Ormonde Fitzpatrick

**(71)** Unicharm Corporation

**(11)** AU-B-2017349535  
**(21)** 2017349535 **(22)** 13.10.2017  
**(54)** Absorbent article  
**(51)** Int. Cl.  
**A61F 13/511** ( 2006.01 )  
**A61F 13/49** ( 2006.01 )  
**A61F 13/494** ( 2006.01 )  
**A61F 13/512** ( 2006.01 )  
**A61F 13/532** ( 2006.01 )  
**(87)** WO2018/079302  
**(31)** 2016-208164 **(32)** 24.10.16 **(33)** JP  
**(43)** 03.05.2018  
**(44)** 04.05.2023  
**(72)** Miyama, Takuya; Sakaguchi, Satoru; Uda, Masashi  
**(74)** Allens Patent & Trade Mark Attorneys

**(71)** Unilever Global IP Limited

**(11)** AU-B-2019376458  
**(21)** 2019376458 **(22)** 04.11.2019  
**(54)** Antiperspirant compositions  
**(51)** Int. Cl.  
**A61K 8/27** ( 2006.01 )  
**A61K 8/19** ( 2006.01 )  
**A61K 8/36** ( 2006.01 )  
**A61Q 15/00** ( 2006.01 )  
**(87)** WO2020/094568  
**(31)** 18204724.1 **(32)** 06.11.18 **(33)** EP  
**(43)** 14.05.2020

**(44)** 04.05.2023  
**(72)** STOYANOV, Simeon Dobrev; WALTERFIELD, Philip Christopher; ZDRAVKOVA, Aneliya Nikolova  
**(74)** Davies Collison Cave Pty Ltd

**(71)** University of Massachusetts

**(11)** AU-B-2018257917  
**(21)** 2018257917 **(22)** 24.04.2018  
**(54)** Diagnosis and treatment of vitiligo  
**(51)** Int. Cl.  
**A61K 9/00** ( 2006.01 )  
**C07K 14/715** ( 2006.01 )  
**(87)** WO2018/200556  
**(31)** 62/489,191 **(32)** 24.04.17 **(33)** US  
**(43)** 01.11.2018  
**(44)** 04.05.2023  
**(72)** Strassner, James Pennock; Richmond, Jillian M.; Harris, John E.  
**(74)** Davies Collison Cave Pty Ltd

**(71)** University of Tasmania

**(11)** AU-B-2021232834  
**(21)** 2021232834 **(22)** 17.09.2021  
**(54)** Liquid collection device  
**(51)** Int. Cl.  
**A61B 5/15** ( 2006.01 )  
**(43)** 14.10.2021  
**(44)** 04.05.2023  
**(62)** 2016306713  
**(72)** Bailey, David Charles; Gooley, Andrew; Lapiere, Florian Germain; Melville, David John; Meyer, Eugen; Nguyen, Chau Hoang Thanh; Wiebenga, Rod Anthony  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** Vertex Pharmaceuticals Incorporated

**(11)** AU-B-2018304168  
**(21)** 2018304168 **(22)** 17.07.2018  
**(54)** Methods of treatment for cystic fibrosis  
**(51)** Int. Cl.  
**A61K 31/404** ( 2006.01 )  
**A61K 31/443** ( 2006.01 )  
**A61K 31/4439** ( 2006.01 )  
**A61K 31/47** ( 2006.01 )  
**A61P 11/00** ( 2006.01 )  
**(87)** WO2019/018395  
**(31)** 62/633,024 **(32)** 20.02.18 **(33)** US  
 62/657,508 13.04.18 US  
 62/533,392 17.07.17 US  
 62/562,029 22.09.17 US  
 62/623,748 30.01.18 US  
**(43)** 24.01.2019  
**(44)** 04.05.2023  
**(72)** HASELTINE, Eric L.; MOSKOWITZ, Samuel; ROBERTSON, Sarah; WALTZ, David; CHEN, Weichao George  
**(74)** AJ PARK

**(71)** Vibrant Ltd.

**(11)** AU-B-2019251420  
**(21)** 2019251420 **(22)** 08.04.2019  
**(54)** Vibrating capsule for enhancing absorption of ingested medicaments  
**(51)** Int. Cl.  
**A61H 23/00** ( 2006.01 )

Applications Accepted - Name Index cont'd

- A61B 17/22** ( 2006.01 )  
**A61H 21/00** ( 2006.01 )  
**A61H 23/02** ( 2006.01 )  
**(87)** WO2019/197964  
**(31)** 16/178,425 **(32)** 01.11.18 **(33)** US  
 16/185,044 09.11.18 US  
 62/655,031 09.04.18 US  
**(43)** 17.10.2019  
**(44)** 04.05.2023  
**(72)** BEN-TSUR, Lior  
**(74)** Belyea IP
- 
- (71)** Vorwerk & Co. Interholding GmbH  
**(11)** AU-B-2021204025  
**(21)** 2021204025 **(22)** 17.06.2021  
**(54)** Food preparation device with parallel electrical cold conductors  
**(51)** Int. Cl.  
**H05B 3/68** ( 2006.01 )  
**F24C 7/06** ( 2006.01 )  
**H01C 7/02** ( 2006.01 )  
**(31)** 20184513.8 **(32)** 07.07.20 **(33)** EP  
**(43)** 27.01.2022  
**(44)** 04.05.2023  
**(72)** Schmitz, Kevin; Tietz, Sebastian  
**(74)** FPA Patent Attorneys Pty Ltd
- 
- (71)** Well Innovation AS  
**(11)** AU-B-2017310196  
**(21)** 2017310196 **(22)** 11.08.2017  
**(54)** Downhole monitoring device arranged in-line with a sucker rod string  
**(51)** Int. Cl.  
**E21B 47/009** ( 2012.01 )  
**E21B 43/12** ( 2006.01 )  
**F04B 47/02** ( 2006.01 )  
**(87)** WO2018/030898  
**(31)** 15/235,547 **(32)** 12.08.16 **(33)** US  
**(43)** 15.02.2018  
**(44)** 04.05.2023  
**(72)** Suermondt, Rutger; Slotterøy, Stian; Paluch, Przemyslaw Tomasz; Mackay, John; Røed, Kim; Kjerland, Trond; Tveit, Trond Arild; Hanssen, Krister Ber-ven  
**(74)** Davies Collison Cave Pty Ltd
- 
- (71)** Wyeth LLC  
**(11)** AU-B-2021221926  
**(21)** 2021221926 **(22)** 27.08.2021  
**(54)** Maleate salts of (E)-N-{4-[3-chloro-4-(2-pyridinylmethoxy)anilino]-3-cyano-7-ethoxy-6-quinolinyl}-4-(dimethylamino)-2-butenamide and crystalline forms thereof  
**(51)** Int. Cl.  
**C07D 401/12** ( 2006.01 )  
**A61K 31/404** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**(43)** 23.09.2021  
**(44)** 04.05.2023  
**(62)** 2020201851  
**(72)** CHEAL, Gloria K; CHEW, Warren; HADFIELD, Anthony F; KU, Mannching Sherry; MIRMEHRABI, Mahmoud; QINGHONG, Lu  
**(74)** FB Rice Pty Ltd
- 
- (71)** Xinjiang Goldwind Science & Technology Co., Ltd.  
**(11)** AU-B-2020265920  
**(21)** 2020265920 **(22)** 09.03.2020  
**(54)** Cooling system, motor, and wind turbine generating set  
**(51)** Int. Cl.  
**H02K 9/06** ( 2006.01 )  
**(87)** WO2020/220834  
**(31)** 201910364164.5 **(32)** 30.04.19 **(33)** CN  
**(43)** 05.11.2020  
**(44)** 04.05.2023  
**(72)** WANG, Dinghui; LI, Jinmeng; XIA, Jing  
**(74)** Madderns Pty Ltd

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<b>2016269474</b>	Robert Bosch GmbH	<b>2018374870</b>	North American Power Products, Inc.; MATYAC, M.
<b>2017204313</b>	Azuma Design Pty Limited	<b>2018414925</b>	Morinaga Milk Industry Co., Ltd.
<b>2017204412</b>	Hunter Douglas Inc.	<b>2019208147</b>	Thales Holdings UK Plc
<b>2017205101</b>	The Institute of Cancer Research: Royal Cancer Hospital; Breast Cancer Now	<b>2019215491</b>	Huawei Digital Power Technologies Co., Ltd.
<b>2017209330</b>	Grail, LLC	<b>2019246754</b>	Sagemcom Energy & Telecom SAS
<b>2017210118</b>	Tufts Medical Center; Trustees of Tufts College; On Target Therapeutics, LLC.	<b>2019251420</b>	Vibrant Ltd.
<b>2017214378</b>	Bioerativ Therapeutics Inc.	<b>2019268353</b>	Provectus Pharmatech, Inc.; The Governors Of The University Of Calgary
<b>2017245279</b>	Holley Performance Products Inc.	<b>2019288931</b>	Epax Norway AS
<b>2017270593</b>	Rhombus Systems Group, Inc.	<b>2019290663</b>	6K Inc.
<b>2017272258</b>	Schmidt & Bender GmbH & Co. KG	<b>2019332488</b>	LG Electronics Inc.
<b>2017274517</b>	Baker Hughes Oilfield Operations, LLC	<b>2019354500</b>	LG Electronics Inc.
<b>2017277277</b>	ModernaTX, Inc.	<b>2019364197</b>	Lexmark International, Inc.
<b>2017277497</b>	TargaGenix, Inc.; The Research Foundation for the State University of New York; Northeastern University	<b>2019376458</b>	Unilever Global IP Limited
<b>2017289270</b>	The Regents of the University of California	<b>2019378590</b>	Bobrick Washroom Equipment, Inc.
<b>2017291679</b>	Johnson & Johnson Consumer Inc.	<b>2019400738</b>	AstraZeneca AB
<b>2017309375</b>	FLSmidth A/S	<b>2019405482</b>	The Procter & Gamble Company
<b>2017310196</b>	Well Innovation AS	<b>2019422399</b>	The Boots Company PLC
<b>2017311684</b>	Ramat at Tel-Aviv University Ltd.	<b>2019428014</b>	Hewlett-Packard Development Company, L.P.
<b>2017335297</b>	Innospec Limited	<b>2019428188</b>	Hewlett-Packard Development Company, L.P.
<b>2017343042</b>	Alcon Inc.	<b>2019430812</b>	Guangzhou Shiyuan Electronics Co., Ltd.; Guangzhou Shirui Electronics Co. Ltd.
<b>2017347381</b>	Kleemann GmbH	<b>2020205443</b>	Ocado Innovation Limited
<b>2017349535</b>	Unicharm Corporation	<b>2020208363</b>	Ennis-Flint, Inc.
<b>2017350683</b>	Sealed Air Corporation (US)	<b>2020214845</b>	Terumo Medical Corporation
<b>2017358060</b>	Charles Sturt University	<b>2020215388</b>	KMW Inc.
<b>2017359466</b>	Boston Scientific Scimed, Inc.	<b>2020216470</b>	Aerie Pharmaceuticals, Inc.
<b>2017361949</b>	Commissariat A L'energie Atomique Et Aux Energies Alternatives; D C N S	<b>2020230889</b>	Adaptica S.r.l.
<b>2017361950</b>	Commissariat A L'energie Atomique Et Aux Energies Alternatives; D C N S	<b>2020232109</b>	LG Electronics Inc.
<b>2017367999</b>	Kraft Foods Group Brands LLC	<b>2020236613</b>	Nuovo Pignone Technologie - S.r.l.
<b>2017372951</b>	Auckland UniServices Limited	<b>2020259358</b>	S&C Electric Company
<b>2017408055</b>	Montanuniversität Leoben	<b>2020260090</b>	Metagenics LLC
<b>2017408990</b>	Tria Pte. Ltd.	<b>2020260274</b>	South East Water Corporation
<b>2018201803</b>	ADMA BioManufacturing, LLC	<b>2020260781</b>	Hitachi, Ltd.
<b>2018203173</b>	The Boeing Company	<b>2020265920</b>	Xinjiang Goldwind Science & Technology Co., Ltd.
<b>2018204619</b>	Rush Company, Inc.	<b>2020267368</b>	Cellphire, Inc.
<b>2018210253</b>	Regeneron Pharmaceuticals, Inc.	<b>2020267808</b>	Kuhne Anlagenbau GmbH
<b>2018210833</b>	Becton Dickinson and Company Limited	<b>2020316612</b>	3AWater Oy
<b>2018214668</b>	General Mills, Inc.	<b>2020319723</b>	Carl Freudenberg KG
<b>2018218179</b>	Biotron Limited	<b>2020320201</b>	Conmed Corporation
<b>2018230339</b>	Rauch Landmaschinenfabrik GmbH	<b>2020362305</b>	Cosentino Research & Development, S.L.
<b>2018235905</b>	Orbital Systems AB	<b>2020371187</b>	SCHOTT Primoceler Oy
<b>2018236196</b>	Arthrex, Inc.	<b>2020413491</b>	NanoomEnergy Co., Ltd.
<b>2018241166</b>	JPH3 Pty Ltd	<b>2021200993</b>	Metrc LLC
<b>2018248903</b>	ECP Entwicklungsgesellschaft mbH	<b>2021201092</b>	Afiniti, Ltd.
<b>2018257917</b>	University of Massachusetts	<b>2021201679</b>	Seattle Children's Hospital (dba Seattle Children's Research Institute)
<b>2018258285</b>	CommScope Technologies LLC	<b>2021201835</b>	LanzaTech NZ, Inc.
<b>2018258693</b>	ESS Tech, Inc.	<b>2021202662</b>	ICU Medical, Inc.
<b>2018266705</b>	Gritstone Bio, Inc.	<b>2021202757</b>	Novartis AG
<b>2018276084</b>	Specialized Desanders Inc.	<b>2021202760</b>	Jeld-Wen, Inc.
<b>2018288868</b>	Pacesetter, Inc.	<b>2021202918</b>	Trustees of Boston University; Beta Bionics, Inc.
<b>2018293922</b>	Capricornia Contact Lens Pty Ltd	<b>2021203220</b>	BioAtla, LLC
<b>2018294308</b>	SICPA HOLDING SA	<b>2021203457</b>	HONEYWELL INTERNATIONAL INC.
<b>2018295447</b>	Avacta Life Sciences Limited	<b>2021204025</b>	Vorwerk & Co. Interholding GmbH
<b>2018301818</b>	Endo-Therapeutics, Inc.	<b>2021204206</b>	Snap-on Incorporated
<b>2018304168</b>	Vertex Pharmaceuticals Incorporated	<b>2021206230</b>	Boston Engineering Corporation
<b>2018315436</b>	Huawei Technologies Co., Ltd.	<b>2021206497</b>	Envision Digital International Pte. Ltd.; Shanghai Envision Digital Co., Ltd.
<b>2018327587</b>	Astellas Pharma Inc.; TRON - Translationale Onkologie an der Universitätsmedizin der Johannes Gutenberg-Universität Mainz Gemeinnützige GmbH	<b>2021206858</b>	Timber Pharmaceuticals LLC
<b>2018350370</b>	CSL Limited	<b>2021206864</b>	Daios, A.
<b>2018353854</b>	Anteris Technologies Corporation	<b>2021215150</b>	AstraZeneca AB
<b>2018371355</b>	Her Majesty the Queen in the Right of Canada as Represented by the Minister of Health	<b>2021221926</b>	Wyeth LLC
<b>2018373436</b>	BASF SE	<b>2021232834</b>	University of Tasmania
		<b>2021240121</b>	Environment and Plant Protection Institute, Chinese Academy of Tropical Agricultural Sciences
		<b>2021240268</b>	Svitzer A/S
		<b>2021240435</b>	International Business Machines Corporation



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**2021245149** IE-CHENG TECHNOLOGY (TIANJIN) CO., LTD.  
**2021251463** International Business Machines Corporation  
**2021257944** ConMed Corporation  
**2021258025** Long Bamboo Technology Group Co.,Ltd.  
**2021277672** Medical Enterprises Distribution, LLC  
**2021277736** Huawei Technologies Co., Ltd.  
**2021286309** Fraunhofer Gesellschaft zur Förderung der Ange-  
 wandten Forschung e.V.; Friedrich-Alexander-Universit-  
 at Erlangen-Nuernberg  
**2021297101** International Business Machines Corporation  
**2021341408** Seafarming Systems AS  
**2021427874** Dentsu Inc.  
**2022200028** Kabushiki Kaisha Toshiba; Toshiba Energy Systems &  
 Solutions Corporation  
**2022200164** Delta Electronics (Shanghai) Co.,Ltd.  
**2022201115** iSOL8 Pty Ltd  
**2022201137** Alarm.Com Incorporated  
**2022202274** Shenyang Research Institute of China Coal Technology  
 & Engineering Group  
**2022202804** OSIssoft, LLC  
**2022203574** Intuit Inc.  
**2022206687** Ab Initio Technology LLC  
**2022231719** The Chinese University of Hong Kong  
**2022335874** Cozantitis, M.  
**2023200255** Intersurgical AG  
**2023200420** Ab Initio Technology LLC

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2018230339	<b><u>A61B 17 /-</u></b>	2017277497	<b><u>A61M 1 /-</u></b>	2018414925	<b><u>B22F 8 /-</u></b>
<b><u>A01G 13 /-</u></b>	2018236196	2017289270	2020267368	2021215150	2019290663
2021206864	2018301818	2017358060	<b><u>A61M 16 /-</u></b>	<b><u>A61Q 1 /-</u></b>	<b><u>B22F 9 /-</u></b>
<b><u>A01G 31 /-</u></b>	2019251420	2018218179	2023200255	2019422399	2019290663
2020205443	2020214845	2018304168	<b><u>A61M 39 /-</u></b>	<b><u>A61Q 15 /-</u></b>	<b><u>B23K 101 /-</u></b>
<b><u>A01G 9 /-</u></b>	2020320201	2018414925	2018210833	2019376458	2020371187
2020205443	<b><u>A61B 18 /-</u></b>	2019268353	2023200255	<b><u>A61Q 19 /-</u></b>	<b><u>B23K 103 /-</u></b>
2021206864	2020320201	2019288931	<b><u>A61M 60 /-</u></b>	2019405482	2020371187
<b><u>A01K 1 /-</u></b>	<b><u>A61B 3 /-</u></b>	2019400738	2018248903	2021206858	<b><u>B23K 26 /-</u></b>
2018204619	2017343042	2020216470	<b><u>A61N 1 /-</u></b>	<b><u>A61Q 5 /-</u></b>	2020371187
<b><u>A01K 61 /-</u></b>	2017372951	2021202757	2018288868	2017335297	<b><u>B25B 13 /-</u></b>
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2020319723	<b><u>A61B 34 /-</u></b>	<b><u>A61K 35 /-</u></b>	2018414925	<b><u>B01D 35 /-</u></b>	2021204206
<b><u>A01N 31 /-</u></b>	2017359466	2017311684	<b><u>A61P 11 /-</u></b>	2017245279	<b><u>B25D 11 /-</u></b>
2021240121	<b><u>A61B 5 /-</u></b>	2018266705	2018304168	2018276084	2021277672
<b><u>A01N 43 /-</u></b>	2017372951	2018414925	2019405482	<b><u>B01J 19 /-</u></b>	<b><u>B25G 1 /-</u></b>
2018373436	2021232834	2020267368	<b><u>A61P 25 /-</u></b>	2017408990	2020319723
<b><u>A23D 9 /-</u></b>	<b><u>A61B 90 /-</u></b>	2020260090	2017311684	<b><u>B02C 23 /-</u></b>	<b><u>B27J 1 /-</u></b>
2018214668	2017359466	<b><u>A61K 38 /-</u></b>	2017358060	2017347381	2021258025
<b><u>A23J 1 /-</u></b>	2020320201	2017210118	<b><u>A61P 27 /-</u></b>	<b><u>B04C 11 /-</u></b>	<b><u>B27M 3 /-</u></b>
2020260090	<b><u>A61D 3 /-</u></b>	2018350370	2019288931	2017309375	2021202760
<b><u>A23K 20 /-</u></b>	2018210253	<b><u>A61K 39 /-</u></b>	2020216470	<b><u>B05B 11 /-</u></b>	<b><u>B29B 7 /-</u></b>
2017358060	<b><u>A61D 7 /-</u></b>	2017277277	2017210118	2019378590	2020208363
2017408055	2018210253	2017289270	<b><u>A61P 29 /-</u></b>	<b><u>B05B 7 /-</u></b>	<b><u>B29C 48 /-</u></b>
<b><u>A23L 33 /-</u></b>	<b><u>A61F 13 /-</u></b>	2018201803	2017210118	2019378590	2020208363
2020260090	2017349535	2018266705	<b><u>A61P 31 /-</u></b>	<b><u>B05C 3 /-</u></b>	2020267808
<b><u>A45B 23 /-</u></b>	<b><u>A61F 2 /-</u></b>	2018371355	2018201803	2018203173	<b><u>B29C 55 /-</u></b>
2018214668	2018210253	2021201679	2018218179	<b><u>B05D 3 /-</u></b>	2020267808
<b><u>A45D 34 /-</u></b>	<b><u>A61D 7 /-</u></b>	2021202757	2018371355	<b><u>B05D 5 /-</u></b>	<b><u>B31D 5 /-</u></b>
2017291679	2018210253	2021202757	<b><u>A61P 35 /-</u></b>	2018203173	2017350683
<b><u>A47K 3 /-</u></b>	<b><u>A61D 7 /-</u></b>	2021202757	2017205101	<b><u>B05D 5 /-</u></b>	<b><u>B32B 1 /-</u></b>
2018235905	2018210253	2021221926	2019268353	2018203173	2020267808
<b><u>A47K 5 /-</u></b>	<b><u>A61H 21 /-</u></b>	<b><u>A61K 45 /-</u></b>	2021202757	<b><u>B05D 3 /-</u></b>	<b><u>B32B 27 /-</u></b>
	2019251420	2019268353	2021221926	<b><u>B05D 5 /-</u></b>	
	<b><u>A61H 23 /-</u></b>	2021215150	<b><u>A61P 37 /-</u></b>	<b><u>B09B 3 /-</u></b>	
	2017335297	<b><u>A61K 47 /-</u></b>	2018371355		
	<b><u>A61H 21 /-</u></b>	2017277277	<b><u>A61P 43 /-</u></b>		
	2019251420	2017277277			
	<b><u>A61J 1 /-</u></b>	2018350370			
	2018210833	2019405482			
	2021202662	2020216470			
	2021202918	<b><u>A61K 48 /-</u></b>			
		2017277277			
		2018218179			
		2019422399			
		2019405482			
		2017277497			
		2018257917			
		2019405482			

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2020267808	<b><u>B63B 35 /-</u></b>		2018294308	<b><u>C23C 18 /-</u></b>	
<b><u>B32B 3 /-</u></b>	2021240268	<b><u>C04B 26 /-</u></b>			<b><u>F16P 3 /-</u></b>
2021202760	<b><u>B63H 25 /-</u></b>	2020362305	<b><u>C09D 191 /-</u></b>	2020236613	2022201115
<b><u>B32B 37 /-</u></b>	2016269474	<b><u>C07C 255 /-</u></b>	2020208363	<b><u>C40B 30 /-</u></b>	<b><u>F23N 5 /-</u></b>
2021202760	<b><u>B64C 39 /-</u></b>	2019400738	<b><u>C12M 1 /-</u></b>	2021203220	2022202274
<b><u>B32B 7 /-</u></b>	2022201137	<b><u>C07D 209 /-</u></b>	2021201835	<b><u>D06F 37 /-</u></b>	<b><u>F24C 7 /-</u></b>
2020267808	<b><u>B65B 55 /-</u></b>	2019400738	<b><u>C12M 3 /-</u></b>	2019332488	2021204025
<b><u>B33Y 70 /-</u></b>	2017350683	<b><u>C07D 213 /-</u></b>	2021201835	<b><u>D06P 1 /-</u></b>	<b><u>F24D 17 /-</u></b>
2019290663	<b><u>B65D 33 /-</u></b>	2020216470	<b><u>C12N 1 /-</u></b>	2017335297	2020260274
<b><u>B41J 2 /-</u></b>	2017350683	<b><u>C07D 239 /-</u></b>	2018414925	<b><u>D06P 3 /-</u></b>	<b><u>F24D 19 /-</u></b>
2019428014	<b><u>B65D 37 /-</u></b>	2019400738	2021201835	2017335297	2020260274
2019428188		<b><u>C07D 401 /-</u></b>	2017209330	<b><u>D06P 5 /-</u></b>	<b><u>F24D 3 /-</u></b>
<b><u>B41M 3 /-</u></b>	2020267808	2018373436	2018266705	2017335297	2020260274
2018294308	<b><u>B65D 65 /-</u></b>	2021221926	2018295447	<b><u>E03B 1 /-</u></b>	<b><u>F24H 4 /-</u></b>
<b><u>B41M 5 /-</u></b>	2020267808	<b><u>C07D 413 /-</u></b>	2022231719	2018235905	2020260274
2018294308	<b><u>B65D 81 /-</u></b>	2018373436	<b><u>C12N 9 /-</u></b>	<b><u>E03C 1 /-</u></b>	<b><u>F25B 30 /-</u></b>
<b><u>B60D 1 /-</u></b>	2017350683	2019400738	2017214378	2018235905	2020260274
2018241166	<b><u>B65D 83 /-</u></b>	<b><u>C07D 451 /-</u></b>	<b><u>C12P 11 /-</u></b>	<b><u>E05B 19 /-</u></b>	<b><u>F25C 1 /-</u></b>
<b><u>B60K 13 /-</u></b>	2020319723	2020216470	2019400738	2022201115	2019354500
2017245279	<b><u>B65G 1 /-</u></b>	<b><u>C07D 471 /-</u></b>	<b><u>C12P 17 /-</u></b>	<b><u>E05B 67 /-</u></b>	<b><u>F25C 5 /-</u></b>
<b><u>B60K 31 /-</u></b>	2020205443	2019400738	2019400738	2022201115	2019354500
2016269474	<b><u>B65G 21 /-</u></b>	<b><u>C07D 487 /-</u></b>	<b><u>C12P 21 /-</u></b>	<b><u>E05F 11 /-</u></b>	<b><u>F25D 11 /-</u></b>
<b><u>B60P 1 /-</u></b>	2017347381	2018373436	2021203220	2017204313	2019354500
2017347381	<b><u>B65G 41 /-</u></b>	<b><u>C07F 5 /-</u></b>	<b><u>C12Q 1 /-</u></b>	<b><u>E06B 3 /-</u></b>	<b><u>F25D 25 /-</u></b>
<b><u>B60P 3 /-</u></b>	2017347381	2019400738	2017209330	2021202760	2019354500
2017347381	<b><u>B65G 57 /-</u></b>	<b><u>C07K 14 /-</u></b>	2022231719	<b><u>E06B 7 /-</u></b>	<b><u>F25D 29 /-</u></b>
<b><u>B60P 7 /-</u></b>	2020205443	2017277277	<b><u>C22B 19 /-</u></b>	2017204412	2019354500
2017361949	<b><u>B65G 63 /-</u></b>	2018257917	2017408055	<b><u>E21B 43 /-</u></b>	<b><u>F26B 3 /-</u></b>
2017361950		2018266705	<b><u>C22B 3 /-</u></b>	2017274517	2017408990
<b><u>B60T 11 /-</u></b>	2020205443	2018295447	2017408055	2017310196	
	<b><u>C01B 7 /-</u></b>	2018350370	<b><u>C22B 7 /-</u></b>	<b><u>E21B 47 /-</u></b>	<b><u>F41A 5 /-</u></b>
2018241166	2017408055	2018371355	2017408055	2017310196	2022335874
<b><u>B60W 40 /-</u></b>	<b><u>C02F 1 /-</u></b>	<b><u>C07K 16 /-</u></b>	<b><u>C22C 1 /-</u></b>	<b><u>F02M 35 /-</u></b>	<b><u>F41A 9 /-</u></b>
2016269474	2017408990	2018201803	2019290663	2017245279	2022335874
<b><u>B61L 27 /-</u></b>	<b><u>C03B 23 /-</u></b>	2018327587	<b><u>C22C 14 /-</u></b>	<b><u>F04B 47 /-</u></b>	<b><u>F41G 1 /-</u></b>
2020260781	2020371187	2021201679	2019290663	2017310196	2017272258
<b><u>B62D 53 /-</u></b>	<b><u>C04B 111 /-</u></b>	<b><u>C08J 3 /-</u></b>	<b><u>C22C 19 /-</u></b>	<b><u>F16F 9 /-</u></b>	<b><u>F41J 5 /-</u></b>
2018241166	2020362305	2020208363	2019290663	<b><u>F16L 33 /-</u></b>	<b><u>G01C 13 /-</u></b>
<b><u>B63B 21 /-</u></b>	<b><u>C04B 14 /-</u></b>	<b><u>C08K 5 /-</u></b>	<b><u>C22C 38 /-</u></b>	2023200255	2021206230
2021240268	2020362305	2020208363	2019290663		
		<b><u>C08L 27 /-</u></b>			
		2020267808			
		<b><u>C09D 11 /-</u></b>			

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<b><u>G01N 1 /-</u></b>	<b><u>G06F 17 /-</u></b>	<b><u>G08B 25 /-</u></b>	2022200164
2020316612	2022203574		<b><u>H02J 3 /-</u></b>
<b><u>G01N 23 /-</u></b>	<b><u>G06F 21 /-</u></b>	2022201137	2018374870
2020316612	2021206497	<b><u>G08B 27 /-</u></b>	2019215491
<b><u>G01N 25 /-</u></b>	<b><u>G06F 3 /-</u></b>	2022201137	<b><u>H02K 9 /-</u></b>
2022202274	2021427874	<b><u>G08G 1 /-</u></b>	2020265920
<b><u>G01N 30 /-</u></b>	<b><u>G06F 40 /-</u></b>	2021245149	<b><u>H02M 3 /-</u></b>
2021201835	2022206687	<b><u>G08G 5 /-</u></b>	2022200164
	2023200420	2017270593	<b><u>H02M 7 /-</u></b>
<b><u>G01N 33 /-</u></b>	<b><u>G06F 8 /-</u></b>	<b><u>G10L 19 /-</u></b>	2018374870
2020316612	2021206497	2018315436	<b><u>H04L 1 /-</u></b>
2021201835		2021286309	2019246754
2021206230	<b><u>G06F 9 /-</u></b>	<b><u>G11C 11 /-</u></b>	<b><u>H04L 12 /-</u></b>
<b><u>G01N 7 /-</u></b>	2021206497	2021240435	2019246754
2022202274	2022202804	<b><u>G11C 13 /-</u></b>	<b><u>H04L 47 /-</u></b>
<b><u>G01R 19 /-</u></b>	<b><u>G06K 7 /-</u></b>	2019428188	2021277736
2022200028	2021200993	<b><u>G16Y 10 /-</u></b>	<b><u>H04L 9 /-</u></b>
<b><u>G01R 31 /-</u></b>	<b><u>G06N 20 /-</u></b>	2021203457	2020413491
2022200028	2021251463	<b><u>G16Y 40 /-</u></b>	<b><u>H04M 3 /-</u></b>
	2022203574	2021203457	2021201092
<b><u>G01S 15 /-</u></b>	<b><u>G06N 3 /-</u></b>	<b><u>H01C 7 /-</u></b>	<b><u>H04N 19 /-</u></b>
2019208147	2020413491	2021204025	2020232109
<b><u>G02B 7 /-</u></b>	<b><u>G06Q 10 /-</u></b>	<b><u>H01H 31 /-</u></b>	<b><u>H04W 4 /-</u></b>
2017272258	2021201092	2020259358	2021203457
<b><u>G02C 7 /-</u></b>	<b><u>G06Q 50 /-</u></b>	<b><u>H01H 33 /-</u></b>	<b><u>H04W 40 /-</u></b>
2018293922	2022201115	2020259358	2021277736
<b><u>G02F 1 /-</u></b>	<b><u>G06T 3 /-</u></b>	<b><u>H01H 75 /-</u></b>	<b><u>H04W 48 /-</u></b>
2019430812	2017343042	2020259358	2021277736
<b><u>G03G 15 /-</u></b>	<b><u>G06T 7 /-</u></b>	<b><u>H01M 8 /-</u></b>	<b><u>H04W 76 /-</u></b>
2019364197	2018293922	2018258693	2021277736
	2020413491	<b><u>H01Q 1 /-</u></b>	<b><u>H04W 8 /-</u></b>
<b><u>G03G 21 /-</u></b>	<b><u>G07C 9 /-</u></b>	2020215388	2021277736
2019364197	2021203457	<b><u>H01Q 9 /-</u></b>	<b><u>H04W 80 /-</u></b>
<b><u>G05D 1 /-</u></b>	2022201115	2021203457	2019246754
2022201137	<b><u>G08B 1 /-</u></b>	2018258285	2021277736
2022203574	2021200993	<b><u>H01R 13 /-</u></b>	<b><u>H05B 3 /-</u></b>
<b><u>G06F 11 /-</u></b>	<b><u>G08B 13 /-</u></b>	2018258285	2021204025
2021297101	2022201137	<b><u>H01R 24 /-</u></b>	<b><u>H05B 47 /-</u></b>
<b><u>G06F 12 /-</u></b>	<b><u>G08B 19 /-</u></b>	2018258285	2021203457
2019428188	2022201137	<b><u>H02J 1 /-</u></b>	
<b><u>G06F 15 /-</u></b>	<b><u>G08B 21 /-</u></b>		
2022202804	2022201137		

**Certified Innovation Patents****Name Index**

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

---

(71) Apple Inc.  
(11) AU-B-2020100216  
(21) 2020100216 (22) 14.02.2020  
(54) Inductive interconnection systems  
(51) Int. Cl.  
    H02J 50/10 ( 2016.01 )  
    G06F 3/033 ( 2013.01 )  
    H01F 38/14 ( 2006.01 )  
    H04B 5/00 ( 2006.01 )  
(45) 04.05.2023  
(62) 2019100513  
(72) MARSHALL, Blake R.; OW, Florence  
    W.; RUSCHER, Joel N.; TAN, Li-  
    quan; ZIMMERMAN, Aidan N.; NAS-  
    IRI MAHALATI, Reza; ZHU, Hao; JI,  
    Qigen; SAMPATH, Madhusudanan  
    Keezhveedi; LIU, Nan; SCRITZKY,  
    Robert; LISI, Gianpaolo  
(74) FPA Patent Attorneys Pty Ltd

---

(71) Fliteboard Pty Ltd  
(11) AU-B-2023100025  
(21) 2023100025 (22) 03.03.2023  
(54) MODULE FOR CONNECTING A MAST  
    TO A BOARD  
(51) Int. Cl.  
    B63B 32/66 ( 2020.01 )  
    B63B 1/24 ( 2020.01 )  
    B63B 32/10 ( 2020.01 )  
    B63B 34/40 ( 2020.01 )  
(45) 04.05.2023  
(62) 2018377850  
(72) TREWERN, David  
(74) Davies Collison Cave Pty Ltd

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(71) Imtrade Australia Pty Ltd  
(11) AU-B-2021103392  
(21) 2021103392 (22) 16.06.2021  
(54) Pesticide formulation comprising  
    spinosad and s-methoprene  
(51) Int. Cl.  
    A01N 43/22 ( 2006.01 )  
    A01N 37/36 ( 2006.01 )  
    A01P 7/04 ( 2006.01 )  
    A01N 25/30 ( 2006.01 )  
    A01N 63/30 ( 2020.01 )  
(45) 04.05.2023  
(72) McPhee, Neil John; Rainbird, Ross  
    Melville  
(74) Spruson & Ferguson

**Numerical Index**

2020100216 Apple Inc.  
2021103392 Imtrade Australia Pty Ltd  
2023100025 Fliteboard Pty Ltd

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2021103392

**B63B 1 /-**

2023100025

**B63B 32 /-**

2023100025

**B63B 34 /-**

2023100025

**G06F 3 /-**

2020100216

**H01F 38 /-**

2020100216

**H02J 50 /-**

2020100216

**H04B 5 /-**

2020100216

**Opposition Proceedings**

(The name in parentheses is that of the opponent)

**Opposition Lodged**

2017240635 **The a2 Milk Company Limited** ( FONTERRA CO-OPERATIVE GROUP LIMITED )

**Applications Withdrawn**

2018263195 **Suzhou Qi Bidesign biotechnology Company Limited** ( The New Zealand Institute for Plant and Food Research Limited )

**Patents Granted**

**Standard Patents**

2016244310	2016307289	2016310348	2016323380
2016334233	2016337411	2016339039	2016344779
2016352873	2016370490	2016379393	2016406709
2017203046	2017205637	2017207284	2017211983
2017213598	2017213658	2017221472	2017222539
2017223127	2017224831	2017225036	2017225769
2017248665	2017251253	2017251821	2017261267
2017261622	2017264750	2017265930	2017267269
2017271618	2017286249	2017301004	2017301040
2017309281	2017311409	2017315874	2017321592
2017327766	2017330165	2017333732	2017335635
2017335843	2017339844	2017340546	2017343815
2017344432	2017344865	2017345171	2017348268
2017348408	2017348773	2017349482	2017349626
2017355225	2017358901	2017359424	2017362454
2017363603	2017364679	2017365074	2017371517
2017371716	2017375633	2017377044	2017380449
2017383528	2017388833	2017389094	2017395082
2017405058	2017408309	2017412907	2017426227
2017433346	2017435310	2018200848	2018205600
2018205621	2018209203	2018211930	2018216089
2018221028	2018224857	2018236959	2018241043
2018247010	2018247101	2018251675	2018251676
2018251804	2018253963	2018261387	2018261460
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2018318990	2018322042	2018329203	2018334466
2018335073	2018336128	2018336171	2018348236
2018351651	2018354469	2018359609	2018361531
2018364355	2018367704	2018369241	2018372561
2018373495	2018390660	2018391876	2018401399
2018402566	2018406782	2018408904	2018409435
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2019205595	2019230705	2019250440	2019251998
2019264513	2019274886	2019280272	2019280477
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2019390377	2019395549	2019398756	2019403479
2019413405	2019414935	2019416047	2019418280
2019423959	2019424012	2019425173	2019430311
2019432306	2019432938	2019433217	2019440152
2019444436	2019447166	2019456625	2019457097
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2020224132	2020225438	2020226659	2020231198
2020239798	2020244474	2020244613	2020244862
2020246687	2020247707	2020248826	2020250317
2020250404	2020252997	2020253338	2020254139
2020256340	2020257142	2020257911	2020260384
2020261266	2020261764	2020263183	2020270520

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**Standard Patents**

2020273237	2020277180	2020277220	2020277247
2020279111	2020281080	2020284682	2020288968
2020289841	2020292446	2020319910	2020325094
2020327352	2020334355	2020337778	2020339580
2020347332	2020351946	2020361129	2020366775
2020371391	2020372801	2020375690	2020383902
2020387376	2020396490	2020397865	2020398830
2020403654	2020414351	2020424925	2021200173
2021200209	2021200255	2021200428	2021200633
2021200646	2021200916	2021201571	2021202013
2021202292	2021202348	2021202447	2021202631
2021203501	2021203564	2021203754	2021204060
2021204292	2021204754	2021205100	2021206799
2021206809	2021213439	2021215157	2021215251
2021215283	2021221385	2021225125	2021229164
2021232219	2021232796	2021232797	2021236475
2021250838	2021254574	2021254670	2021255871
2021256735	2021263957	2021266307	2021266319
2021267936	2021269330	2021269406	2021273512
2021273542	2021276587	2021286443	2021294070
2022202293	2022202944	2022206716	2022211847
2022218576	2022256230	2022263617	

**Innovation Patents**

2019101842	2020104491	2021107674	2021107675
2023100029	2023100031		

**Assignments Registered**

2004203587	Polysius AG	The patent has been assigned to <b>FLS-midwidth A/S</b>
2007263387	Polysius AG	The patent has been assigned to <b>FLS-midwidth A/S</b>
2007349090	Polysius AG	The patent has been assigned to <b>FLS-midwidth A/S</b>
2008238100	Polysius AG	The patent has been assigned to <b>FLS-midwidth A/S</b>
2008274475	Polysius AG	The patent has been assigned to <b>FLS-midwidth A/S</b>
2008291162	Polysius AG	The patent has been assigned to <b>FLS-midwidth A/S</b>
2008346285	Otsuka Pharmaceutical Co., Limited; GW Pharma Limited	The patent has been assigned to <b>GW Pharma Ltd.</b>
2009231555	Fluid Treatment Limited	The patent has been assigned to <b>CT Civil Limited</b>
2009254936	GW Pharma Limited; Otsuka Pharmaceutical Co Limited	The patent has been assigned to <b>GW Pharma Ltd.</b>
2010222881	Dover BMCS Acquisition Corporation	The patent has been assigned to <b>U.S. SYNTHETIC CORPORATION</b>
2010256515	ThyssenKrupp Industrial Solutions (USA), Inc.	The patent has been assigned to <b>THYSSENKRUPP INDUSTRIAL SOLUTIONS AG</b>
2010267775	Otsuka Pharmaceutical Co. Limited; GW Pharma Limited	The patent has been assigned to <b>GW Pharma Ltd.</b>
2011201797	Culley, Brian	The patent has been assigned to <b>Swift Clear Capital Ltd</b>
2011234225	GW Pharma Limited; Otsuka Pharmaceutical Co., Limited	The patent has been assigned to <b>GW Pharma Ltd.</b>



**Assignments Registered**

2011292284 Dover BMCS Acquisition Corporation The patent has been assigned to **U.S. SYNTHETIC CORPORATION**

2011329870 Becton, Dickinson and Company The patent has been assigned to **Merit Medical Systems, Inc.**

2011352789 Dover BMCS Acquisition Corporation The patent has been assigned to **U.S. SYNTHETIC CORPORATION**

2012202596 Dover BMCS Acquisition Corporation The patent has been assigned to **U.S. SYNTHETIC CORPORATION**

2012204800 GW Pharma Limited; Otsuka Pharmaceutical Co. Limited The patent has been assigned to **GW Pharma Ltd.**

2012314129 GW Pharma Limited; Otsuka Pharmaceutical Co., Limited The patent has been assigned to **GW Pharma Ltd.**

2013242842 Meet Pat Pty Ltd The patent has been assigned to **Meet Pat Technology Pty Ltd**

2013257466 DOVER BMCS ACQUISITION CORPORATION The patent has been assigned to **U.S. SYNTHETIC CORPORATION**

2013299910 AbSci, LLC The patent has been assigned to **ABSCI Corporation**

2013355064 The Regents of the University of California; Sanofi The patent has been assigned to **The Regents of the University of California; Sanofi-Aventis U.S. LLC**

2014244333 The Regents of The University of California; Sanofi The patent has been assigned to **The Regents of The University of California; Sanofi-Aventis U.S. LLC**

2014284298 Dicerna Pharmaceuticals, Inc. The patent has been assigned to **Novo Nordisk A/S**

2014331412 thyssenkrupp AG; ThyssenKrupp Industrial Solutions AG The patent has been assigned to **FLSmidth A/S**

2015206525 ThyssenKrupp Industrial Solutions (USA), Inc. The patent has been assigned to **THYSSENKRUPP INDUSTRIAL SOLUTIONS AG**

2015213117 ThyssenKrupp Industrial Solutions AG; thyssenkrupp AG The patent has been assigned to **FLSmidth A/S**

2015226232 thyssenkrupp AG; ThyssenKrupp Industrial Solutions AG The patent has been assigned to **FLSmidth A/S**

2015238518 thyssenkrupp AG; ThyssenKrupp Industrial Solutions AG The patent has been assigned to **FLSmidth A/S**

2015243593 thyssenkrupp AG; thyssenkrupp Industrial Solutions AG The patent has been assigned to **FLSmidth A/S**

2015243714 thyssenkrupp AG; ThyssenKrupp Industrial Solutions AG The patent has been assigned to **FLSmidth A/S**

2015246193 thyssenkrupp AG; ThyssenKrupp Industrial Solutions AG The patent has been assigned to **FLSmidth A/S**

2015249194 DOVER BMCS ACQUISITION CORPORATION The patent has been assigned to **U.S. SYNTHETIC CORPORATION**

2016222039 thyssenkrupp AG; ThyssenKrupp Industrial Solutions AG The patent has been assigned to **FLSmidth A/S**

2016278242 AbSci, LLC The patent has been assigned to **ABSCI Corporation**

**Assignments Registered**

2016352428 thyssenkrupp AG; thyssenkrupp Industrial Solutions AG The patent has been assigned to **FLSmidth A/S**

2017208399 thyssenkrupp AG; thyssenkrupp Industrial Solutions AG The patent has been assigned to **FLSmidth A/S**

2017209761 thyssenkrupp AG; thyssenkrupp Industrial Solutions AG The patent has been assigned to **FLSmidth A/S**

2017222177 thyssenkrupp Industrial Solutions AG; thyssenkrupp AG The patent has been assigned to **FLSmidth A/S**

2017245569 thyssenkrupp AG; thyssenkrupp Industrial Solutions AG The patent has been assigned to **FLSmidth A/S**

2018100992 Hazardtech Pty. Ltd. The patent has been assigned to **ACUSENSUS IP PTY LTD**

2018207218 ThyssenKrupp Industrial Solutions (USA), Inc. The patent has been assigned to **THYSSENKRUPP INDUSTRIAL SOLUTIONS AG**

2018348287 thyssenkrupp Industrial Solutions AG; thyssenkrupp AG The patent has been assigned to **FLSmidth A/S**

2018400359 thyssenkrupp AG; thyssenkrupp Industrial Solutions AG The patent has been assigned to **FLSmidth A/S**

2019202844 AbSci, LLC The patent has been assigned to **ABSCI Corporation**

2019235398 thyssenkrupp AG; thyssenkrupp Industrial Solutions AG The patent has been assigned to **FLSmidth A/S**

2019251695 thyssenkrupp Industrial Solutions AG; thyssenkrupp AG The patent has been assigned to **FLSmidth A/S**

2019269459 thyssenkrupp AG; thyssenkrupp Industrial Solutions AG The patent has been assigned to **FLSmidth A/S**

2019294387 thyssenkrupp AG; thyssenkrupp Industrial Solutions AG The patent has been assigned to **FLSmidth A/S**

**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.

2013341186 **Bristol-Myers Squibb Company**

The earliest first regulatory approval date provided by the patentee 01 Dec 2022

For the goods SOTYKTU deucravacitinib

2017201076 **BRISTOL-MYERS SQUIBB COMPANY**

The earliest first regulatory approval date provided by the patentee 01 Dec 2022

For the goods SOTYKTU deucravacitinib

**Extensions granted**

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

2010249802 **BioMarin Pharmaceutical Inc.**

The earliest first regulatory approval date provided by the patentee 06 Jul 2022

For the goods VOXZOGO Vosoritide

**Extensions of Term of Standard Patents**

Extension of Term of a Standard Patent relating to Pharmaceutical Substances

**Extensions granted**

Extension of Term of patent pursuant to Section 77 expires on 20 May 2035

2013305539 **Sun Pharmaceutical Industries Limited**

The earliest first regulatory approval date provided by the patentee 31 Jan 2020

For the goods CEQUA ciclosporin

Extension of Term of patent pursuant to Section 77 expires on 31 Jan 2035

**Corrigenda**

In Vol 57 , No 13 , Page(s) 1891 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name EMERJA CORPORATION, Application No. 2021332455, under INID (72) correct the co-inventor to COLVIN, Arthur E.

In Vol 57 , No 13 , Page(s) 1893 under the heading **PCT applications that have entered the National Phase - Name Index** Under the names Genentech, Inc.; BioNTech SE, Application No. 2021341829, under INID (72) correct the co-inventor to BERGER, Peer Andre

In Vol 57 , No 13 , Page(s) 1905 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name PreveCeutical Medical Inc., Application No. 2021330383, under INID (72) add co-inventor to Parekh, Harendra

In Vol 57 , No 14 , Page(s) 2041 under the heading **PCT applications that have entered the National Phase - Name Index** Under the names Genentech, Inc; F. Hoffmann-La Roche AG; Hoffmann-La Roche Inc., Application No. 2021353532, under INID (71) remove co-applicant Hoffmann-La Roche Inc.

In Vol 57 , No 14 , Page(s) 2056 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name University Health Network (UHN), Application No. 2021339479, under INID (71) correct the applicant name to University Health Network

In Vol 57 , No 15 , Page(s) 2173 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name University of Iowa Research Foundation, Application No. 2021342157, under INID (71) add co-applicant INSEER, INC.

In Vol 57 , No 7 , Page(s) 1078 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Phaim Pharma Ltd, Application No. 2021298266, under INID (72) add co-inventor ORBAN, Tihamer

In Vol 57 , No 9 , Page(s) 1405 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Ubix Therapeutics, Application No. 2021311245, under INID (71) correct the applicant name to Ubix Therapeutics, Inc.

**Specifications Republished**

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

2018367378 **Microsoft Technology Licensing LLC**  
2021339954 **Genmab A/S**

**Specifications Republished**