



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

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

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



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

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

The following Numerical Indices are available:

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

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

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

The indices to use are

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

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

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

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

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

#### (10) Document identification

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

#### (20) Document filing data

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

#### (30) Priority data

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

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

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

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

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

**(50) Technical Information**

(51) International Patent Classification

(52) Domestic or national classification

(54) Title of invention

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

(57) Abstract or claim

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

(60) Related by cognate(s).

(61) Related by addition(s).

(62) Related by division(s).

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

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

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

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

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

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

(86) PCT Application Number

(87) PCT Publication Number

**NOTE**

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

**AU-A** = Pre-examination

**AU-B** = Post-examination

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

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

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

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

**AUSTRALIAN OFFICIAL JOURNAL OF PATENTS (Supplement) 8 June 2023**

**IP AUSTRALIA**

**AUSTRALIAN PATENT OFFICE**

***Visa International Service Association [2023] APO 31***

Patent Application: 2017218390

Title: Methods and systems for using digital signatures to create trusted digital asset transfers

Patent Applicant: Visa International Service Association

Delegate: Greg Powell

Decision Date: 31 May 2023

Hearing Date: Written submissions filed on 27 April 2023

Catchwords: **PATENTS** – examiner objection – manner of manufacture – substance of the invention is an administrative arrangement – substance is not a manner of manufacture – no patentable subject matter identified in the specification – application refused

Representation: Patent attorney for the applicant: FPA Patent Attorneys 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 23 May 2023 .

(71) Aerotech Australia Pty Ltd (21) 2023901609 (22) 23.05.2023 (54) Pharmaceutical composition	(71) Davis, B. (21) 2023901638 (22) 25.05.2023 (54) A compression device to activate the calf muscle pump in order to increase deep venous blood flow	(71) Jarvish PTY LTD. (21) 2023901622 (22) 24.05.2023 (54) Systems for Monitoring a Shelf, Devices and Methods Thereof
(71) Agscent Pty Ltd (21) 2023901593 (22) 22.05.2023 (54) A METHOD OF BREEDING ANIMALS AND A COMPUTER PROGRAM FOR MANAGING A METHOD FOR BREEDING ANIMALS	(71) De Motu Cordis Pty Ltd (21) 2023901616 (22) 23.05.2023 (54) Respiratory Delivery Device	(71) Jimple Pty Ltd (21) 2023901602 (22) 22.05.2023 (54) COMMUNICATION AID, COMMUNICATION SYSTEM, AND ASSOCIATED METHODS
<b>Arnold, S. see Pashley, R.</b> (21) 2023901601	(71) DJH Merredin Pty Ltd (21) 2023901595 (22) 22.05.2023 (54) Hydraulic Line Tool	(71) Khandaker, I. (21) 2023901611 (22) 23.05.2023 (54) Optical System and Optical Device
(71) Ausroad Holdings Pty Ltd (21) 2023901606 (22) 23.05.2023 (54) BLAST HOLE ASSESSMENT DEVICE	(71) Feng, X. (21) 2023901604 (22) 23.05.2023 (54) Conversion System for Transforming Hair Dryer into Hand Dryer	(71) Kruis, D. (21) 2023901592 (22) 22.05.2023 (54) Container
(71) Aymroo Pty Ltd (21) 2023901632 (22) 25.05.2023 (54) Surface Components Assembly of a Maintenance Chamber System	(71) Fisher & Paykel Appliances Limited (21) 2023901612 (22) 23.05.2023 (54) METHOD FOR CONTROLLING LAUNDRY MACHINE AND LAUNDRY MACHINE THEREOF	(71) LTR Pharma Pty Ltd (21) 2023901627 (22) 24.05.2023 (54) Nasal formulation
<b>Baska, M. see Baska, K.</b> (21) 2023901623	(71) Flat Pty Ltd (21) 2023901626 (22) 24.05.2023 (54) Base	(71) MARP Therapeutics Pty Ltd (21) 2023901591 (22) 22.05.2023 (54) DERMAL FORMULATION AND USE THEREOF
(71) Baska, K.; Baska, M. (21) 2023901623 (22) 24.05.2023 (54) IMPROVEMENTS IN ENDOSCOPIC BITE BLOCKS	(71) GPN Vaccines Pty Ltd (21) 2023901596 (22) 22.05.2023 (54) Immunogenic composition	(71) Matthew Keon (21) 2023901590 (22) 22.05.2023 (54) Document search engine
(71) Battaglia, S. (21) 2023901618 (22) 23.05.2023 (54) Cap Light Device	(71) Hall, J. (21) 2023901624 (22) 24.05.2023 (54) An Infusion Process	<b>MEIER, J. see REYNOLDS, R.</b> (21) 2023901636
(71) Biotron Limited (21) 2023901625 (22) 24.05.2023 (54) Compounds and methods for treating SARS-CoV-2 infection	(71) Hanieh, S. (21) 2023901598 (22) 22.05.2023 (54) A software application inhibition system	(71) Morgan Advanced Ceramics, Inc. (21) 2023901642 (22) 26.05.2023 (54) Braze alloy

Provisional Applications Filed - Name Index cont'd

(71) Nan Zhang  
(21) 2023901648 (22) 26.05.2023  
(54) Diagnostic system and method

(71) ROLLINGVIEW PTY LTD  
(21) 2023901617 (22) 23.05.2023  
(54) BARRIER

(71) OFB Corporation Pty Ltd  
(21) 2023901605 (22) 23.05.2023  
(54) Home firefighting system

(71) ROOBLEE PTY LTD  
(21) 2023901608 (22) 23.05.2023  
(54) Rooblee Bicycle Safety Reflector

(71) Page, B.  
(21) 2023901600 (22) 22.05.2023  
(54) Reading aid and associated kit

(71) Silent Shade Pty Ltd  
(21) 2023901615 (22) 23.05.2023  
(54) Multifunction Awning Blind

(71) Pashley, R.; Arnold, S.  
(21) 2023901601 (22) 22.05.2023  
(54) SOLAR CONCENTRATOR AND COL-  
LIMATOR

(71) The University of Queensland  
(21) 2023901613 (22) 23.05.2023  
(54) Communication protocol for an audio  
data signal

(71) Perera, P.  
(21) 2023901599 (22) 22.05.2023  
(54) new online academic publishing sys-  
tem. This new business process mod-  
el can be applied to online academic  
journals to reduce the malpractices in  
publishing. The new features include:  
(1) global review system (2) negative  
marking or Star system to categorize  
article quality (3) Reviewers can com-  
ment, and give feedback openly. (4)  
The reviewers should vote 1. accept,  
-1 reject, and 0 neutral. (5) Reviewers'  
identities are checked and validated us-  
ing technology before adding their com-  
ments (6)The comments will be moder-  
ated by the system administrator before  
adding them to the system.

(71) Toku Eyes Limited  
(21) 2023901630 (22) 24.05.2023  
(54) Systems and Methods for Processing of  
Fundus Images

(71) VALIANT SPACE PTY LTD  
(21) 2023901628 (22) 24.05.2023  
(54) A MANIFOLD FOR A ROCKET EN-  
GINE

(71) Vapour Science; Willcox, M.  
(21) 2023901614 (22) 23.05.2023  
(54) Vapour Science Natural Anti-Viral, Anti-  
Bacterial and Anti-Fungal Ultrasonic  
System

(71) Pleiades Australia Pty Ltd  
(21) 2023901607 (22) 23.05.2023  
(54) AN ACCOUNTING SYSTEM

(71) Vella, J.  
(21) 2023901619 (22) 23.05.2023  
(54) A vehicle oil sump seal

**Willcox, M. see Vapour Science**  
(21) 2023901614

(71) Post Harvest IP Pty Ltd  
(21) 2023901621 (22) 24.05.2023  
(54) A System for and Method of Monitoring  
a Gas Component

(71) WONG, P.  
(21) 2023901589 (22) 22.05.2023  
(54) A Driver's Ergonomic Side-Wrist Watch

(71) REYNOLDS, R.; MEIER, J.  
(21) 2023901636 (22) 25.05.2023  
(54) A HAZARDOUS FLUID ISOLATION  
SYSTEM

(71) Ricco Unlimited Pty Ltd  
(21) 2023901594 (22) 22.05.2023  
(54) Baby Bottle

(71) ROCK INDUSTRY PTY LTD  
(21) 2023901629 (22) 24.05.2023  
(54) An apparatus and method for grading  
and crushing particulate material

## Numerical Index

2023901589	WONG, P.
2023901590	Matthew Keon
2023901591	MARP Therapeutics Pty Ltd
2023901592	Kruis, D.
2023901593	Agscent Pty Ltd
2023901594	Ricco Unlimited Pty Ltd
2023901595	DJH Merredin Pty Ltd
2023901596	GPN Vaccines Pty Ltd
2023901598	Hanieh, S.
2023901599	Perera, P.
2023901600	Page, B.
2023901601	Pashley, R.; Arnold, S.
2023901602	Jimple Pty Ltd
2023901604	Feng, X.
2023901605	OFB Corporation Pty Ltd
2023901606	Ausroad Holdings Pty Ltd
2023901607	Pleiades Australia Pty Ltd
2023901608	ROOBLEE PTY LTD
2023901609	Aerotech Australia Pty Ltd
2023901611	Khandaker, I.
2023901612	Fisher & Paykel Appliances Limited
2023901613	The University of Queensland
2023901614	Vapour Science; Willcox, M.
2023901615	Silent Shade Pty Ltd
2023901616	De Motu Cordis Pty Ltd
2023901617	ROLLINGVIEW PTY LTD
2023901618	Battaglia, S.
2023901619	Vella, J.
2023901621	Post Harvest IP Pty Ltd
2023901622	Jarvish PTY LTD.
2023901623	Baska, K.; Baska, M.
2023901624	Hall, J.
2023901625	Biotron Limited
2023901626	Flat Pty Ltd
2023901627	LTR Pharma Pty Ltd
2023901628	VALIANT SPACE PTY LTD
2023901629	ROCK INDUSTRY PTY LTD
2023901630	Toku Eyes Limited
2023901632	Aymroo Pty Ltd
2023901636	REYNOLDS, R.; MEIER, J.
2023901638	Davis, B.
2023901642	Morgan Advanced Ceramics, Inc.
2023901648	Nan Zhang

**Complete Applications Filed**

**Name Index**

Applications listed below were processed through the Patent Office Canberra during the period ending 23 May 2023 .

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

<hr/> <p>(71) 6K Inc. (21) 2023203146 (22) 19.05.2023 (54) PROCESS FOR PRODUCING SPHEROIDIZED POWDER FROM FEED-STOCK MATERIALS (62) 2019290663</p> <hr/> <p>(71) Abbott Diabetes Care Inc. (21) 2023203179 (22) 22.05.2023 (54) Medical device data processing and communication methods and systems (62) 2021202813</p> <hr/> <p>(71) Abiomed Europe GmbH (21) 2023203189 (22) 22.05.2023 (54) Corrosion-resistant permanent magnet and intravascular blood pump comprising the magnet (62) 2019264734</p> <hr/> <p>(71) Adobe Inc. (21) 2023203145 (22) 19.05.2023 (54) SYSTEMS AND METHODS FOR FACIAL IMAGE GENERATION (31) 17/813,987 (32) 21.07.22 (33) US</p> <hr/> <p>(71) ALLEN, B. (21) 2023203127 (22) 18.05.2023 (54) A NAPPY APPLICATOR (31) 2022902053 (32) 22.07.22 (33) AU</p> <hr/> <p>(71) Apple Inc. (21) 2023203125 (22) 18.05.2023 (54) Spatial management of audio (62) 2022256155</p> <hr/> <p>(71) Apple Inc. (21) 2023203197 (22) 22.05.2023 (54) User interfaces for peer-to-peer transfers (62) 2021290334</p> <hr/> <p>(71) Apple Inc. (21) 2023203200 (22) 22.05.2023 (54) Systems, methods, and graphical user interfaces for interacting with augmented and virtual reality environments (62) 2021240136</p> <hr/> <p>(71) Apple Inc. (21) 2023203215 (22) 23.05.2023</p>	<p>(54) Providing a remote keyboard service (62) 2022202368</p> <hr/> <p>(71) Aristocrat Technologies, Inc. (21) 2023203134 (22) 18.05.2023 (54) GENERAL BACKEND SERVICE ARCHITECTURE FOR A NOVEL GAME DEVELOPMENT KIT (GDK) (31) 17/832,539 (32) 03.06.22 (33) US</p> <hr/> <p>(71) Aristocrat Technologies, Inc. (21) 2023203135 (22) 18.05.2023 (54) SYSTEMS AND METHODS FOR INDEPENDENT CONTROL OF PORTIONS OF A DISPLAY IN AN ELECTRONIC GAME (31) 17/834,786 (32) 07.06.22 (33) US</p> <hr/> <p>(71) Aristocrat Technologies, Inc. (21) 2023203156 (22) 19.05.2023 (54) MODULAR FRONTEND GAME DEVELOPMENT FRAMEWORK (31) 17/832,532 (32) 03.06.22 (33) US</p> <hr/> <p>(71) Aristocrat Technologies Australia Pty Limited (21) 2023203143 (22) 19.05.2023 (54) A METHOD OF GAMING, A GAMING SYSTEM AND A GAME CONTROLLER (62) 2021201469</p> <hr/> <p>(71) Aristocrat Technologies Australia Pty Ltd (21) 2023203312 (22) 26.05.2023 (54) GAMING DEVICE WITH PRIZE TOTALS ASSOCIATED WITH COLUMNS OF SYMBOL POSITIONS</p> <hr/> <p>(71) Attabotics Inc. (21) 2023203137 (22) 18.05.2023 (54) MULTI-ENTITY INVENTORY MANAGEMENT USING STORAGE BIN AND INVENTORY REASSIGNMENT (62) 2020234099</p> <hr/> <p>(71) Avidity Biosciences, Inc. (21) 2023203188 (22) 22.05.2023 (54) Nucleic acid-polypeptide compositions and uses thereof (62) 2017240799</p>	<p>(71) Belvedere Foliar LLC (21) 2023203158 (22) 19.05.2023 (54) POST-EMERGENCE HERBICIDE (62) 2018230620</p> <hr/> <p>(71) BioNTech SE (21) 2023203180 (22) 22.05.2023 (54) METHOD FOR REDUCING IMMUNOGENICITY OF RNA (62) 2016315444</p> <hr/> <p>(71) Bishop Tattoo Supply, Inc. (21) 2023203155 (22) 19.05.2023 (54) TATTOO MACHINE WITH MAGNETIC AND FRICTION POWER SOURCE CONNECTOR (31) 63/384,661 (32) 22.11.22 (33) US 18/304,751 21.04.23 US</p> <hr/> <p>(71) BLANCO GmbH + Co KG (21) 2023203174 (22) 19.05.2023 (54) Drainage Device For A Basin (31) 102022205027.4 (32) 19.05.22 (33) DE</p> <hr/> <p>(71) BLANCO GmbH + Co KG (21) 2023203175 (22) 19.05.2023 (54) Drainage Device For A Basin (31) 102022205026.6 (32) 19.05.22 (33) DE</p> <hr/> <p>(71) Calbah Industries Pty Ltd (21) 2023203153 (22) 19.05.2023 (54) FOLDING STAIRCASE</p> <hr/> <p>(71) Canon Kabushiki Kaisha (21) 2023203164 (22) 19.05.2023 (54) Electrophotographic image forming apparatus and cartridge (62) 2020242010</p> <hr/> <p>(71) Canon Kabushiki Kaisha (21) 2023203165 (22) 19.05.2023 (54) FCVCM signalled decoder</p> <hr/> <p>(71) Canon Kabushiki Kaisha (21) 2023203168 (22) 19.05.2023 (54) FCVCM complexity limits</p> <hr/> <p>(71) Canon Kabushiki Kaisha (21) 2023203172 (22) 19.05.2023 (54) FCVCM flexible packing arrangement</p>
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Complete Applications Filed - Name Index cont'd

(71) Caterpillar Inc.  
(21) 2023203152 (22) 19.05.2023  
(54) Hydraulic actuator for controlling operations of drilling machines

(71) Caterpillar Inc.  
(21) 2023203166 (22) 19.05.2023  
(54) Inventory transport monitoring system  
(62) 2017280067

(71) CATERPILLAR INC.  
(21) 2023203122 (22) 18.05.2023  
(54) LUBRICATION DISTRIBUTION SYSTEM FOR MACHINE WITH KINEMATIC LINKAGES  
(31) 17/833,390 (32) 06.06.22 (33) US

(71) China National Institute of Standardization  
(21) 2023203211 (22) 22.05.2023  
(54) Intelligent and Environment-Friendly Toilet and Bath Sewage Treatment Method and Device  
(31) 2022116873290 (32) 27.12.22 (33) CN

(71) China National Institute of Standardization  
(21) 2023203212 (22) 22.05.2023  
(54) Toilet Deodorization System and Toilet Deodorization Control Method  
(31) 2022116878595 (32) 27.12.22 (33) CN

(71) ContentsRights LLC  
(21) 2023203194 (22) 22.05.2023  
(54) Information processing device, information processing program, and recording medium  
(62) 2021325471

(71) Cornell University; Repairogen Corp; University of Louisville Research Foundation, Inc.  
(21) 2023203203 (22) 22.05.2023  
(54) Cosmetic compositions containing quinones and their topical use on skin and hair  
(62) 2020267289

Cripps Clark, J. see Cripps Clark, J.  
(21) 2023203178

(71) Cripps Clark, J.; Cripps Clark, J.  
(21) 2023203178 (22) 21.05.2023  
(54) The PrioSab specification is an extension to the invention for block chain processing for consistent asynchronous, non-linear, localized, state-driven and/or condition-based procedurality in distributed systems (and enabling safer application of AI learning) for distributed information system processing where priority processing schemes and reconfiguration or voting using redundancy

and signal continuity can be designated and controlled on or within a device using a variety of different specified mechanisms.  
(62) 2022203235

(71) C Y O'Connor Erade Village Foundation Incorporated  
(21) 2023203139 (22) 18.05.2023  
(54) Methods for measuring and monitoring a meat characteristic of a livestock animal from a sample obtained from a non-meat location of the livestock  
(62) 2019394890

(71) Dong, F.  
(21) 2023203218 (22) 23.05.2023  
(54) Substance for treating and/or preventing intolerance diseases, and design method and preparation method thereof  
(62) 2019388795

(71) Ecolab USA Inc.  
(21) 2023203228 (22) 23.05.2023  
(54) Device and method for attracting and trapping flying insects  
(62) 2020256463

(71) Electrical Subsea & Drilling AS  
(21) 2023203170 (22) 19.05.2023  
(54) Wellbore control device  
(62) 2017330160

(71) Electronics and Telecommunications Research Institute; University-Industry Cooperation Group of Kyung Hee University  
(21) 2023203128 (22) 18.05.2023  
(54) ENCODING METHOD AND DECODING METHOD, AND DEVICE USING SAME  
(62) 2021212037

(71) Elson, P.  
(21) 2023203133 (22) 18.05.2023  
(54) A retaining wall using sleepers and internal posts  
(31) 2022901428 (32) 26.05.22 (33) AU

(71) Equifax, Inc.  
(21) 2023203214 (22) 22.05.2023  
(54) Detecting synthetic online entities facilitated by primary entities  
(62) 2018291009

(71) ESCO Group LLC  
(21) 2023203140 (22) 18.05.2023  
(54) Monitoring ground engaging products for earth working equipment  
(62) 2020284137

(71) ESCO Group LLC  
(21) 2023203159 (22) 19.05.2023  
(54) Monitoring ground engaging products for earth working equipment  
(62) 2020284137

(71) EVONIK OPERATIONS GMBH  
(21) 2023203225 (22) 23.05.2023  
(54) ACRYLATE-OLEFIN COPOLYMERS AS HIGH VISCOSITY BASE FLUIDS  
(31) EP22174980 (32) 24.05.22 (33) EP

(71) Fasteners For Retail, Inc.  
(21) 2023203232 (22) 23.05.2023  
(54) SHELVING SYSTEM AND METHODS  
(62) 2021200458

(71) FEI Company  
(21) 2023203204 (22) 22.05.2023  
(54) Methods for determining the virtual source location of a liquid metal ion source  
(31) 17/807,362 (32) 16.06.22 (33) US

(71) Fieni Giovanni S.r.l.  
(21) 2023203224 (22) 23.05.2023  
(54) Distribution unit for agricultural atomizer  
(31) 102022000011174 (32) 27.05.22 (33) IT

(71) Fisher & Paykel Healthcare Limited  
(21) 2023203136 (22) 18.05.2023  
(54) HUMIDIFICATION OF RESPIRATORY GASES  
(62) 2017208697

(71) Fisher & Paykel Healthcare Limited  
(21) 2023203195 (22) 22.05.2023  
(54) COMBINATION CPAP AND RESUSCITATION SYSTEMS AND METHODS  
(62) 2020202995

(71) Fisher & Paykel Healthcare Limited  
(21) 2023203196 (22) 22.05.2023  
(54) HEATING ARRANGEMENTS FOR HUMIDIFICATION SYSTEMS  
(62) 2016379228

(71) Foristal, L.  
(21) 2023203191 (22) 22.05.2023  
(54) Apparatus for use with a concrete grinding tool  
(31) 2022901427 (32) 26.05.22 (33) AU

(71) FOSHAN SHUNDE MIDEA ELECTRICAL HEATING APPLIANCES MANUFACTURING CO., LTD.  
(21) 2023203142 (22) 19.05.2023  
(54) INTEGRATED COOKER, INTEGRATED COOKER CONTROL METHOD AND INTEGRATED COOKER CONTROL DEVICE  
(31) 202210619947.5 (32) 02.06.22 (33) CN



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<p>(71) Gaia USA, Inc. (21) 2023203208 (22) 22.05.2023 (54) APPARATUS AND METHOD FOR GENERATING AND MIXING UL-TRAFINE GAS BUBBLES INTO A HIGH GAS CONCENTRATION AQUEOUS SOLUTION (62) 2018251865</p>	<p>(71) HONEYWELL INTERNATIONAL INC. (21) 2023203190 (22) 22.05.2023 (54) SMOKE DETECTOR DEVICE INSECT CONTROL (31) 17/826,618 (32) 27.05.22 (33) US</p>	<p>(54) Systems and methods for distributing partial data to subnetworks (62) 2018302104</p>
<p>(71) Gaming1 SRL (21) 2023203227 (22) 23.05.2023 (54) Interactive slot game (31) 18/136,345 (32) 19.04.23 (33) US 63/358,661 06.07.22 US</p>	<p>(71) Hussein, A. (21) 2023203177 (22) 20.05.2023 (54) A procurement marketplace for the civil and construction industry.</p>	<p>(71) L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude (21) 2023203149 (22) 19.05.2023 (54) METHOD AND APPARATUS FOR THE UTILISATION OF WASTE HEAT FROM AN ELECTROLYSIS REACTION FOR THE GENERATION OF STEAM (31) 22178279.0 (32) 10.06.22 (33) EP</p>
<p>(71) Ganzhou Chenguang Rare Earths New Material Co., Ltd. (21) 2023203147 (22) 19.05.2023 (54) Tungsten electrode for molten salt electrolysis for rare earth metals preparation, and preparation method thereof (31) 2023102598589 (32) 17.03.23 (33) CN</p>	<p>(71) Hydrogen Fueling Corp. (21) 2023203237 (22) 23.05.2023 (54) METHOD OF FABRICATING CON-CENTRIC-TUBE CATALYTIC REACT-OR ASSEMBLY (62) 2021200459</p>	<p>(71) Lensar, Inc. (21) 2023203198 (22) 22.05.2023 (54) Laser methods and systems for ad-dressing conditions of the lens (62) 2021200326</p>
<p>(71) Google LLC (21) 2023203229 (22) 23.05.2023 (54) BAYESIAN QUANTUM CIRCUIT FI-DELITY ESTIMATION (62) 2019454998</p>	<p><b>Illumina, Inc. see Illumina Cambridge Lim-ited</b> (21) 2023203187</p>	<p>(71) Leviat GmbH (21) 2023203167 (22) 19.05.2023 (54) WALL ASSEMBLY AND METHOD FOR PRODUCING A WALL ASSEMBLY (31) 22175363.5 (32) 25.05.22 (33) EP</p>
<p>(71) Gorski, G. (21) 2023203126 (22) 18.05.2023 (54) PRODUCT DISPLAY PACKAGE (31) 63/392,098 (32) 25.07.22 (33) US 18/128,458 30.03.23 US</p>	<p>(71) Illumina Cambridge Limited; Illumina, Inc. (21) 2023203187 (22) 22.05.2023 (54) Compositions And Methods For Chem-ical Cleavage And Deprotection Of Sur-face-Bound Oligonucleotides (62) 2021203934</p>	<p>(71) LG Electronics Inc. (21) 2023203154 (22) 19.05.2023 (54) Refrigerator (62) 2021204088</p>
<p>(71) Guangdong OPPO Mobile Telecommu-nications Corp., Ltd. (21) 2023203259 (22) 24.05.2023 (54) Image signal encoding/decoding meth-od and apparatus therefor (62) 2019343079</p>	<p>(71) Intuit Inc. (21) 2023203202 (22) 22.05.2023 (54) Method and system for automatically extracting relevant tax terms from forms and instructions (62) 2021203646</p>	<p>(71) LG ELECTRONICS INC. (21) 2023203141 (22) 19.05.2023 (54) Stack-type laundry treating apparatus (62) 2021201225</p>
<p>(71) Guangzhou Argion Electric Appliance Co., Ltd. (21) 2023203209 (22) 22.05.2023 (54) ICE MAKER (31) 202210566597.0 (32) 20.05.22 (33) CN</p>	<p>(71) Intuit Inc. (21) 2023203230 (22) 23.05.2023 (54) System and method for predicting intel-ligent voice assistant content (31) 17/829,111 (32) 31.05.22 (33) US</p>	<p>(71) MAF Agrobotic (21) 2023203123 (22) 18.05.2023 (54) METHOD AND DEVICE FOR OPTIC-ALLY ANALYSING FRUIT OR VEGET-ABLES AND DEVICE FOR AUTOMAT-IC SORTING (62) 2018226589</p>
<p>(71) Hetherington Design &amp; Fabrication Pty Ltd (21) 2023203138 (22) 18.05.2023 (54) A FENCE MOUNTED TRELLIS (31) 2022901348 (32) 20.05.22 (33) AU</p>	<p>(71) Intuit Inc. (21) 2023203234 (22) 23.05.2023 (54) Entity extraction with encoder decoder machine learning model (31) 17/829,010 (32) 31.05.22 (33) US</p>	<p>(71) METROMAX AMERICA CORPORA-TION (21) 2023203233 (22) 23.05.2023 (54) OUTDOOR SOLAR DISC LAMP</p>
<p>(71) Hologic, Inc. (21) 2023203130 (22) 18.05.2023 (54) Imaging with curved compression ele-ments (62) 2017356139</p>	<p>(71) Joy Global Underground Mining LLC (21) 2023203206 (22) 22.05.2023 (54) Cutting bit assembly (62) 2021204803</p>	<p>(71) MGA Thermal Pty Ltd (21) 2023203173 (22) 19.05.2023 (54) Energy storage (62) 2022275394</p>
<p>(71) Kira Holdings Pty Ltd (21) 2023203171 (22) 19.05.2023 (54) A HOLDER</p>	<p>(71) Knopf, B.R. (21) 2023203129 (22) 18.05.2023</p>	<p>(71) Netflix, Inc. (21) 2023203182 (22) 22.05.2023 (54) Extension for targeted invalidation of cached assets (62) 2020315416</p>

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(71) Niantic, Inc.  
 (21) 2023203219 (22) 23.05.2023  
 (54) Player density based region division for regional chat  
 (62) 2020377553

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(71) OncoC4, Inc.  
 (21) 2023203169 (22) 19.05.2023  
 (54) Chimeric and humanized anti-human CTLA4 monoclonal antibodies and uses thereof  
 (62) 2016370648

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(71) ORTHOTICS MADE EASY PTY LTD  
 (21) 2023203150 (22) 19.05.2023  
 (54) SEMI-CUSTOM FOOT ORTHOSIS

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(71) PACCAR Inc  
 (21) 2023203199 (22) 22.05.2023  
 (54) EXHAUST AFTER-TREATMENT IN HEAVY-DUTY MOTOR VEHICLES  
 (31) 17/830,123 (32) 01.06.22 (33) US

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(71) Paris, M.D.  
 (21) 2023203144 (22) 18.05.2023  
 (54) magnetic pole shifting permanent magnet  
 (31) 2022903109 (32) 20.10.22 (33) AU

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(71) Pfizer Inc.  
 (21) 2023203205 (22) 22.05.2023  
 (54) Antibody Purification  
 (62) 2019228377

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(71) Physical 2 Digital Limited  
 (21) 2023203160 (22) 19.05.2023  
 (54) Seal delivery tracking system  
 (62) 2020277262

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(71) Piusi S.P.A.  
 (21) 2023203124 (22) 18.05.2023  
 (54) Auxiliary device for pumps  
 (31) 102022000011156 (32) 27.05.22 (33) IT

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**Repirogen Corp see Cornell University**  
 (21) 2023203203

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(71) Rimini Street, Inc.  
 (21) 2023203231 (22) 23.05.2023  
 (54) Method and system for providing a multi-dimensional human resource allocation adviser  
 (62) 2019383937

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(71) Schneider Electric Industries SAS  
 (21) 2023203217 (22) 23.05.2023  
 (54) DEVICES AND METHODS FOR DISCONNECTING A GRID POWER SOURCE FROM AN ELECTRICAL DISTRIBUTION SYSTEM  
 (31) 22305847.0 (32) 10.06.22 (33) EP

(71) Scolaro, A.  
 (21) 2023203213 (22) 22.05.2023  
 (54) A Clean Energy Drive  
 (31) 2023900510 (32) 28.02.23 (33) AU

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(71) Smiths Medical ASD, Inc.  
 (21) 2023203163 (22) 19.05.2023  
 (54) Closed system catheter  
 (62) 2021206876

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(71) Sonikure Holdings Limited  
 (21) 2023203148 (22) 19.05.2023  
 (54) A SYSTEM AND METHOD FOR ULTRASOUND-ENHANCED DELIVERY OF DRUGS  
 (62) 2017266320

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(71) Steven McKenna  
 (21) 2023203176 (22) 20.05.2023  
 (54) nerd belt

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(71) SunDust Cosmetics  
 (21) 2023203132 (22) 18.05.2023  
 (54) Mineral Sunscreen which contains environmentally safe, bio-degradable plant based glitter

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(71) Superior Pak Holdings Pty Ltd  
 (21) 2023203131 (22) 18.05.2023  
 (54) EJECTION BLADE FOR A COMPACT CHAMBER OF A WASTE COLLECTION VEHICLE  
 (62) 2017294788

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(71) TANG, C.  
 (21) 2023203161 (22) 19.05.2023  
 (54) A New Type of Bathroom Door Lock

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(71) Tata Consultancy Services Limited  
 (21) 2023203157 (22) 19.05.2023  
 (54) METHOD AND SYSTEM FOR EXTRACTING AND COLLATING FAILURE KNOWLEDGE FROM DIVERSE SOURCES IN INDUSTRIAL PLANT  
 (31) 202221029275 (32) 20.05.22 (33) IN

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(71) Tata Consultancy Services Limited  
 (21) 2023203193 (22) 22.05.2023  
 (54) Methods and systems for autonomous task composition of vision pipelines using an algorithm selection framework

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(71) Techtronic Cordless GP  
 (21) 2023203226 (22) 23.05.2023  
 (54) Electrical connection protection system, electrical protection connecting head, electrical device and power supply apparatus  
 (31) 202210726439.7 (32) 23.06.22 (33) CN

(71) Tencent America LLC  
 (21) 2023203151 (22) 19.05.2023  
 (54) METHOD FOR ACCESS UNIT DELIMITER SIGNALING  
 (62) 2020354457

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(71) Tencent America LLC  
 (21) 2023203222 (22) 23.05.2023  
 (54) METHOD FOR OUTPUT LAYER SET MODE  
 (62) 2021249201

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(71) The Boeing Company  
 (21) 2023203162 (22) 19.05.2023  
 (54) Antimicrobial compounds and nanostructures  
 (62) 2021290217

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(71) The Boeing Company  
 (21) 2023203207 (22) 22.05.2023  
 (54) Pilot training evaluation system  
 (31) 17/814,719 (32) 25.07.22 (33) US

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**University-Industry Cooperation Group of Kyung Hee University see Electronics and Telecommunications Research Institute**  
 (21) 2023203128

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**University of Louisville Research Foundation, Inc. see Cornell University**  
 (21) 2023203203

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(71) ViaSat, Inc.  
 (21) 2023203210 (22) 22.05.2023  
 (54) Handover Based on Predicted Network Conditions  
 (62) 2018311557

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(71) Vir Biotechnology, Inc.  
 (21) 2023203201 (22) 22.05.2023  
 (54) Antibodies against SARS-CoV-2 and methods of using the same  
 (62) 2021227687

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(71) Wearforce Pty Ltd  
 (21) 2023203223 (22) 23.05.2023  
 (54) Attachment assembly and ground engaging assembly for earthmoving equipment  
 (62) 2021355551

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(71) Wilson, J.P.  
 (21) 2023203236 (22) 23.05.2023  
 (54) Systems and methods for quantifying calorie values for a plurality of different caloric food categories  
 (62) 2016415196

Complete Applications Filed - Name Index cont'd

(71) Xylonix PTE. LTD.  
(21) 2023203216 (22) 23.05.2023  
(54) GAMMA-POLYGLUTAMIC ACID AND  
ZINC COMPOSITIONS  
(62) 2017354786

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(71) Xylonix PTE. LTD.  
(21) 2023203220 (22) 23.05.2023  
(54) ZINC-GAMMA-PGA COMPOSITIONS  
AND METHODS FOR TREATING  
CANCER  
(62) 2017354787

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(71) Yuhan Corporation  
(21) 2023203121 (22) 18.05.2023  
(54) Method for producing dual function pro-  
teins and its derivatives  
(62) 2018256256

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<b>2023203121</b>	Yuhan Corporation	<b>2023203189</b>	Abiomed Europe GmbH
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<b>2023203124</b>	Piusi S.P.A.	<b>2023203193</b>	Tata Consultancy Services Limited
<b>2023203125</b>	Apple Inc.	<b>2023203194</b>	ContentsRights LLC
<b>2023203126</b>	Gorski, G.	<b>2023203195</b>	Fisher & Paykel Healthcare Limited
<b>2023203127</b>	ALLEN, B.	<b>2023203196</b>	Fisher & Paykel Healthcare Limited
<b>2023203128</b>	Electronics and Telecommunications Research Institute; University-Industry Cooperation Group of Kyung Hee University	<b>2023203197</b>	Apple Inc.
<b>2023203129</b>	Knopf, B.R.	<b>2023203198</b>	Lensar, Inc.
<b>2023203130</b>	Hologic, Inc.	<b>2023203199</b>	PACCAR Inc
<b>2023203131</b>	Superior Pak Holdings Pty Ltd	<b>2023203200</b>	Apple Inc.
<b>2023203132</b>	SunDust Cosmetics	<b>2023203201</b>	Vir Biotechnology, Inc.
<b>2023203133</b>	Elson, P.	<b>2023203202</b>	Intuit Inc.
<b>2023203134</b>	Aristocrat Technologies, Inc.	<b>2023203203</b>	Cornell University; Repairogen Corp; University of Louisville Research Foundation, Inc.
<b>2023203135</b>	Aristocrat Technologies, Inc.	<b>2023203204</b>	FEI Company
<b>2023203136</b>	Fisher & Paykel Healthcare Limited	<b>2023203205</b>	Pfizer Inc.
<b>2023203137</b>	Attabotics Inc.	<b>2023203206</b>	Joy Global Underground Mining LLC
<b>2023203138</b>	Hetherington Design & Fabrication Pty Ltd	<b>2023203207</b>	The Boeing Company
<b>2023203139</b>	C Y O'Connor Erade Village Foundation Incorporated	<b>2023203208</b>	Gaia USA, Inc.
<b>2023203140</b>	ESCO Group LLC	<b>2023203209</b>	Guangzhou Argion Electric Appliance Co., Ltd.
<b>2023203141</b>	LG ELECTRONICS INC.	<b>2023203210</b>	ViaSat, Inc.
<b>2023203142</b>	FOSHAN SHUNDE MIDEA ELECTRICAL HEATING APPLIANCES MANUFACTURING CO., LTD.	<b>2023203211</b>	China National Institute of Standardization
<b>2023203143</b>	Aristocrat Technologies Australia Pty Limited	<b>2023203212</b>	China National Institute of Standardization
<b>2023203144</b>	Paris, M.D.	<b>2023203213</b>	Scolaro, A.
<b>2023203145</b>	Adobe Inc.	<b>2023203214</b>	Equifax, Inc.
<b>2023203146</b>	6K Inc.	<b>2023203215</b>	Apple Inc.
<b>2023203147</b>	Ganzhou Chenguang Rare Earths New Material Co., Ltd.	<b>2023203216</b>	Xylonix PTE. LTD.
<b>2023203148</b>	Sonikure Holdings Limited	<b>2023203217</b>	Schneider Electric Industries SAS
<b>2023203149</b>	L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procèdes Georges Claude	<b>2023203218</b>	Dong, F.
<b>2023203150</b>	ORTHOTICS MADE EASY PTY LTD	<b>2023203219</b>	Niantic, Inc.
<b>2023203151</b>	Tencent America LLC	<b>2023203220</b>	Xylonix PTE. LTD.
<b>2023203152</b>	Caterpillar Inc.	<b>2023203222</b>	Tencent America LLC
<b>2023203153</b>	Calbah Industries Pty Ltd	<b>2023203223</b>	Wearforce Pty Ltd
<b>2023203154</b>	LG Electronics Inc.	<b>2023203224</b>	Fieni Giovanni S.r.l.
<b>2023203155</b>	Bishop Tattoo Supply, Inc.	<b>2023203225</b>	EVONIK OPERATIONS GMBH
<b>2023203156</b>	Aristocrat Technologies, Inc.	<b>2023203226</b>	Techtronic Cordless GP
<b>2023203157</b>	Tata Consultancy Services Limited	<b>2023203227</b>	Gaming1 SRL
<b>2023203158</b>	Belvedere Foliar LLC	<b>2023203228</b>	Ecolab USA Inc.
<b>2023203159</b>	ESCO Group LLC	<b>2023203229</b>	Google LLC
<b>2023203160</b>	Physical 2 Digital Limited	<b>2023203230</b>	Intuit Inc.
<b>2023203161</b>	TANG, C.	<b>2023203231</b>	Rimini Street, Inc.
<b>2023203162</b>	The Boeing Company	<b>2023203232</b>	Fasteners For Retail, Inc.
<b>2023203163</b>	Smiths Medical ASD, Inc.	<b>2023203233</b>	METROMAX AMERICA CORPORATION
<b>2023203164</b>	Canon Kabushiki Kaisha	<b>2023203234</b>	Intuit Inc.
<b>2023203165</b>	Canon Kabushiki Kaisha	<b>2023203236</b>	Wilson, J.P.
<b>2023203166</b>	Caterpillar Inc.	<b>2023203237</b>	Hydrogen Fueling Corp.
<b>2023203167</b>	Leviat GmbH	<b>2023203259</b>	Guangdong OPPO Mobile Telecommunications Corp., Ltd.
<b>2023203168</b>	Canon Kabushiki Kaisha	<b>2023203312</b>	Aristocrat Technologies Australia Pty Ltd
<b>2023203169</b>	OncoC4, Inc.		
<b>2023203170</b>	Electrical Subsea & Drilling AS		
<b>2023203171</b>	Kira Holdings Pty Ltd		
<b>2023203172</b>	Canon Kabushiki Kaisha		
<b>2023203173</b>	MGA Thermal Pty Ltd		
<b>2023203174</b>	BLANCO GmbH + Co KG		
<b>2023203175</b>	BLANCO GmbH + Co KG		
<b>2023203176</b>	Steven McKenna		
<b>2023203177</b>	Hussein, A.		
<b>2023203178</b>	Cripps Clark, J.; Cripps Clark, J.		
<b>2023203179</b>	Abbott Diabetes Care Inc.		
<b>2023203180</b>	BioNTech SE		
<b>2023203182</b>	Netflix, Inc.		
<b>2023203187</b>	Illumina Cambridge Limited; Illumina, Inc.		
<b>2023203188</b>	Avidity Biosciences, Inc.		

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

Applications listed below were processed through the Patent Office Canberra during the period ending 23 May 2023 .  
(This list may contain multiple listings of a patent application where there are multiple applicants for that patent.)

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(71) Apple Inc.  
(21) 2023100046           (22) 26.05.2023  
(54) User interfaces for subscription applica-  
      tions  
(62) 2022100126

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(71) THREADLEGS PTY LTD  
(21) 2023100047           (22) 30.05.2023  
(54) Attachment for positioning cast-in con-  
      crete anchors  
(62) 2021205114

**Numerical Index**

**2023100046** Apple Inc.

**2023100047** THREADLEGS PTY LTD

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

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

The codes next to each number have the following meanings:

<b>Code</b>	<b>Meaning</b>
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

**2003**

2003204250 ( 14 )	2003204262 ( 14 )	2003204265 ( 14 )
2003204276 ( 14 )	2003204333 ( 14 )	2003222688 ( 14 )
2003227999 ( 14 )	2003228042 ( 14 )	2003229191 ( 14 )
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2003231830 ( 14 )	2003232638 ( 14 )	2003232786 ( 14 )
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2003235401 ( 14 )	2003236886 ( 14 )	2003237478 ( 14 )
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2003238370 ( 14 )	2003239516 ( 14 )	2003239522 ( 14 )
2003241541 ( 14 )	2003241572 ( 14 )	2003241598 ( 14 )
2003242135 ( 14 )	2003242410 ( 14 )	2003242545 ( 14 )
2003242561 ( 14 )	2003242876 ( 14 )	2003245308 ( 14 )
2003249641 ( 14 )	2003255592 ( 14 )	2003262050 ( 14 )
2003262225 ( 14 )	2003275776 ( 14 )	2003285170 ( 14 )
2003287591 ( 14 )	2003288038 ( 14 )	2003288677 ( 14 )
2003289709 ( 14 )	2003290892 ( 14 )	2003290996 ( 14 )
2003292525 ( 14 )	2003295494 ( 14 )	2003296246 ( 14 )
2003299330 ( 14 )	2003304106 ( 14 )	

**2004**

2004240216 ( 14 )	2004289052 ( 14 )	2004289336 ( 14 )
2004289539 ( 14 )	2004294698 ( 14 )	2004295043 ( 14 )
2004295048 ( 14 )	2004295259 ( 14 )	2004312298 ( 14 )
2004315770 ( 14 )		

**2005**

2005201970 ( 14 )	2005303385 ( 14 )	2005304311 ( 14 )
2005306819 ( 14 )	2005307885 ( 14 )	2005312163 ( 14 )

**2006**

2006202316 ( 14 )	2006235957 ( 14 )	2006235958 ( 14 )
2006235959 ( 14 )	2006236002 ( 14 )	2006236025 ( 14 )
2006236044 ( 14 )	2006312373 ( 14 )	2006312999 ( 14 )
2006314188 ( 14 )	2006314744 ( 14 )	2006314820 ( 14 )
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2006340834 ( 14 )		

**2007**

2007234561 ( 14 )	2007318457 ( 14 )	2007319141 ( 14 )
2007319820 ( 14 )	2007320945 ( 14 )	2007321262 ( 14 )
2007321701 ( 14 )	2007322064 ( 14 )	2007322837 ( 14 )
2007328446 ( 14 )	2007338519 ( 14 )	

**2008**

2008201343 ( 14 )	2008201906 ( 14 )	2008243192 ( 14 )
2008243231 ( 14 )	2008322586 ( 14 )	2008322722 ( 14 )
2008322960 ( 14 )	2008324707 ( 14 )	2008325550 ( 14 )
2008327281 ( 14 )	2008338826 ( 14 )	2008338833 ( 14 )
2008364127 ( 14 )		

**2009**

2009200680 ( 14 )	2009201820 ( 14 )	2009201821 ( 14 )
2009202175 ( 14 )	2009236003 ( 14 )	2009313902 ( 14 )
2009314847 ( 14 )	2009315411 ( 14 )	2009316240 ( 14 )
2009316899 ( 14 )	2009321637 ( 14 )	2009355126 ( 14 )

**2010**

2010201484 ( 14 )	2010202634 ( 14 )	2010226957 ( 14 )
2010241394 ( 14 )	2010241443 ( 14 )	2010318459 ( 14 )
2010318758 ( 14 )	2010318759 ( 14 )	2010319615 ( 14 )
2010320709 ( 14 )	2010321416 ( 14 )	2010322267 ( 14 )
2010326260 ( 14 )	2010331511 ( 14 )	2010363642 ( 14 )
2010363656 ( 14 )	2010363659 ( 14 )	

**2011**

2011202580 ( 14 )	2011205076 ( 14 )	2011250690 ( 14 )
2011250822 ( 14 )	2011250827 ( 14 )	2011250829 ( 14 )
2011326019 ( 14 )	2011326386 ( 14 )	2011326387 ( 14 )
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**2012**

2012203441 ( 14 )	2012203578 ( 14 )	2012205289 ( 14 )
2012254881 ( 14 )	2012254927 ( 14 )	2012254969 ( 14 )
2012258284 ( 14 )	2012334989 ( 14 )	2012334992 ( 14 )
2012337700 ( 14 )	2012337708 ( 14 )	2012338922 ( 14 )
2012339618 ( 14 )	2012340351 ( 14 )	2012340493 ( 14 )
2012341335 ( 14 )	2012342331 ( 14 )	2012342913 ( 14 )
2012344174 ( 14 )	2012380565 ( 14 )	

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2013200686 ( 14 )	2013203285 ( 14 )	2013203288 ( 14 )
2013257392 ( 14 )	2013257438 ( 14 )	2013263799 ( 14 )
2013273733 ( 14 )	2013341380 ( 14 )	2013344549 ( 14 )
2013344684 ( 14 )	2013344818 ( 14 )	2013345494 ( 14 )
2013345894 ( 14 )	2013346603 ( 14 )	2013349192 ( 14 )
2013351430 ( 14 )	2013374986 ( 14 )	2013399091 ( 14 )

**2014**

2014200375 ( 14 )	2014201708 ( 14 )	2014202529 ( 14 )
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2021202698 ( 5C )    2021203081 ( 5C )    2021203152 ( 5C )  
 2021203180 ( 5C )    2021203258 ( 5C )    2021203274 ( 5C )  
 2021203406 ( 5C )    2021203478 ( 5C )    2021204320 ( 5C )  
 2021204463 ( 14 )    2021204617 ( 5C )    2021204970 ( 4C )  
 2021205066 ( 5C )    2021212072 ( 4C )    2021215267 ( 5C )  
 2021217995 ( 5C )    2021229182 ( 5C )    2021235426 ( 5C )  
 2021261978 ( 12C )    2021277612 ( 5CN )

**2022**

2022200776 ( 5C )    2022201765 ( 4C )    2022202295 ( 4C )  
 2022202762 ( 5C )    2022204093 ( 12CN )    2022211901 ( 4C )  
 2022221558 ( 4B )    2022901432 ( 12AN )    2022901575 ( 12AN )  
 2022903869 ( 12AN )

**2023**

2023201061 ( 1B )    2023201096 ( 1B )    2023201207 ( 7AN )  
 2023202018 ( 12CN )    2023900325 ( 12AN )    2023900556 ( 12AN )

**Assignments before Grant, Section 113**

**2019**

2019256465 Southern Research Institute The application has been assigned to **Pinotbio, Inc.; Southern Research Institute**

2019360934 Meredian, Inc. The application has been assigned to **Danimer IPCo, LLC**

2019391399 Agrotritus Locação e Comercio, LTDA The application has been assigned to **PINA CABRITA DA SILVA RIBEIRO, Manuel**

2019444736 Agrotritus - Locação e Comercio de Maquinas, LTDA The application has been assigned to **PINA CABRITA DA SILVA RIBEIRO, Manuel**

**2020**

2020204099 4D Pharma Research Limited The application has been assigned to **CJ Bioscience, Inc.**

2020204265 4D Pharma Research Limited The application has been assigned to **CJ Bioscience, Inc.**

2020241605 4D Pharma Research Limited The application has been assigned to **CJ Bioscience, Inc.**

2020283805 Meredian, Inc. The application has been assigned to **Danimer IPCo, LLC**

2020284239 Meredian, Inc. The application has been assigned to **Danimer IPCo, LLC**

2020285633 Meredian, Inc. The application has been assigned to **Danimer IPCo, LLC**

2020320861 Ambys Medicines, Inc. The application has been assigned to **Cytotheryx, Inc.**

2020396797 ScalaMed Pty Ltd The application has been assigned to **GetOutcomes, LLC**

2020409433 Fluid Energy Group Ltd. The application has been assigned to **Dorf Ketal Chemicals FZE**

**Assignments before Grant, Section 113**

**2021**

2021204337 4D Pharma Research Limited The application has been assigned to **CJ Bioscience, Inc.**

2021221772 SPORTS POKER HOLDINGS PTY LTD The application has been assigned to **HACHEM MANAGEMENT GROUP PTY LTD**

2021225890 Nanjing Bioheng Biotech Co., Ltd The application has been assigned to **BIOHENG THERAPEUTICS LIMITED**

2021254635 4D Pharma Research Limited The application has been assigned to **CJ Bioscience, Inc.**

2021254788 The Board of Trustees of the Leland Stanford Junior University; Chan Zuckerberg Biohub, Inc. The application has been assigned to **CZ Biohub SF, LLC; The Board of Trustees of the Leland Stanford Junior University**

2021277594 4D Pharma Research Limited The application has been assigned to **CJ Bioscience, Inc.**

2021278069 Nanjing Bioheng Biotech Co., Ltd The application has been assigned to **BIOHENG THERAPEUTICS LIMITED**

2021286676 Nanjing Bioheng Biotech Co., Ltd The application has been assigned to **BIOHENG THERAPEUTICS LIMITED**

2021290210 4D Pharma Research Limited The application has been assigned to **CJ Bioscience, Inc.**

2021307614 Nanjing Bioheng Biotech Co., Ltd The application has been assigned to **BIOHENG THERAPEUTICS LIMITED**

2021318938 Meredian, Inc. The application has been assigned to **Danimer IPCo, LLC**

2021327928 MEREDIAN, INC. The application has been assigned to **Danimer IPCo, LLC**

2021347800 OCULUS SURGICAL, INC. The application has been assigned to **Oculus Optikgeraete GmbH**

2021347979 MEREDIAN, INC. The application has been assigned to **Danimer IPCo, LLC**

2021348040 MEREDIAN, INC. The application has been assigned to **Danimer IPCo, LLC**

2021349252 MEREDIAN, INC. The application has been assigned to **Danimer IPCo, LLC**

2021368635 AMERISE PHARMACEUTICALS PVT LTD. The application has been assigned to **Kashiv Biosciences, LLC**

**2022**

2022259766 TeneoBio, Inc. The application has been assigned to **TeneoOne, Inc.**

**Assignments before Grant, Section 113**

2022901335 **CREATIVE TECHNOLOGY SOLUTIONS PTY LTD**  
The application has been assigned to **ProcellAI Pty Ltd**

2022903258 Gillies, Andrew The application has been assigned to **Boon Ag Limited**

**2023**

2023900302 Gillies, Andrew The application has been assigned to **Boon Ag Limited**

2023901035 Aerial Holdings Pty Ltd The application has been assigned to **Kambuts, Suzanne**

**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.

**2014**

2014201761 **Waters, T.** An application to extend the time from 24 Mar 2022 to 24 Jan 2023 in which to pay a renewal fee has been filed . Address for service - Lance Arthur Roman-Miller PO Box R813 Royal Exchange NSW 1225 AU

**2018**

2018293909 **Australian Nuclear Science and Technology Organisation** An application to extend the time from 26 Jun 2022 to 26 Feb 2023 in which to pay a continuation fee has been filed . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

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

**2012**

2012385466 **Simpson Performance Products, Inc.** The time in which to pay a renewal fee has been extended to 19 Mar 2023 . Address for service - Halfords IP Level 7 1 Market Street Sydney NSW 2000 AU

**2015**

2015202501 **THUNDERHEAD (ONE) LIMITED** The time in which to pay a renewal fee has been extended to 08 Jan 2023 . Address for service - FPA Patent Attorneys Pty Ltd ANZ Tower 161 Castlereagh Street Sydney NSW 2000 AU

2015366142 **EasySoda Finland Oy** The time in which to pay a renewal fee has been extended to 07 Jul 2022 . Address for service - Griffith Hack Level 15, 376-390 Collins Street Melbourne VIC 3000 AU

2015366142 **EasySoda Finland Oy** The time in which to pay a renewal fee has been extended to 07 Jul 2022 . Address for service - Griffith Hack Level 15, 376-390 Collins Street Melbourne VIC 3000 AU

**2017**

2017100647 **Convergence Event Systems Pty Ltd** The time in which to pay a renewal fee has been extended to 02 Mar 2023 . Address for service - Griffith Hack Level 10 161 Collins St MELBOURNE VIC 3000 AU

**Extensions of Time, Section 223**

2017269239 **JST Performance, LLC** The time in which to pay a continuation fee has been extended to 22 Dec 2022 . Address for service - LAMINAR IP PTY LTD PO Box 599 Milsons Point NSW 1565 AU

2017418909 **Natural Resource Beneficiation Limited** The time in which to pay a continuation fee has been extended to 14 Oct 2022 . Address for service - Phillips Ormonde Fitzpatrick PO Box 323 COLLINS STREET WEST VIC 8007 AU

**2018**

2018306306 **Magnomer LLC** The time in which to pay a continuation fee has been extended to 25 Feb 2023 . Address for service - Pizzey Patent and Trade Mark Attorneys Pty Ltd PO Box 291 WODEN ACT 2606 AU

**2020**

2020369157 **Adcanin Inc.** The time in which to enter the National Phase has been extended to 24 Feb 2023 . Address for service - Walker IP PO Box 637 South Melbourne VIC 3205 AU

**2021**

2021273653 **Anellotech, Inc.** The time in which to pay a continuation fee has been extended to 22 Jan 2023 . Address for service - Phillips Ormonde Fitzpatrick PO Box 323 COLLINS STREET WEST VIC 8007 AU

**2022**

2022202741 **VIAVI Solutions Inc.** The time in which to pay a continuation fee has been extended to 05 Mar 2023 . Address for service - James & Wells Intellectual Property GPO Box 1301 CANBERRA ACT 2601 AU

2022203292 **THE CHINESE UNIVERSITY OF HONG KONG** The time in which to request examination has been extended to 24 Feb 2023 . Address for service - Griffith Hack Level 10 161 Collins St MELBOURNE VIC 3000 AU

**Amendments**

**Applications for Amendment**

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

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

**2017**

2017354004 Melt processed viral nanoparticle constructs **Case Western Reserve University** The nature of the amendment is as shown in the statement(s) filed 25 May 2023 . Address for service - Oxygene IP Level 1, 70 Doncaster Road BALWYN NORTH VIC 3104 AU

**2018**

2018250886 Lactase enzymes with improved activity at low temperatures **Chr. Hansen A/S** The nature of the amendment is as shown in the statement(s) filed 28 Apr 2023 . Address for service - Spruson &

**Amendments**

Ferguson Level 24, Tower 2 Darling Park, 201 Sussex Street Sydney NSW 2000 AU

2018309187 **Methods and compositions for modulating splicing Skyhawk Therapeutics, Inc.** The nature of the amendment is as shown in the statement(s) filed 08 May 2023 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

**2019**

2019408275 Food and additive compositions, and also uses of lignin and the additive composition **Suzano S.A.** The nature of the amendment is as shown in the statement(s) filed 16 Mar 2023 . Address for service - Griffith Hack Level 10 161 Collins St MELBOURNE VIC 3000 AU

**2020**

2020238420 Network connection processing method, related device and computer storage medium **Honor Device Co., Ltd.** The nature of the amendment is as shown in the statement(s) filed 23 May 2023 . Address for service - Phillips Ormonde Fitzpatrick PO Box 323 COLLINS STREET WEST VIC 8007 AU

2020274339 Modifications of mammalian cells using artificial micro-RNA to alter their properties and the compositions of their products **DNA TWOPOINTO INC.** The nature of the amendment is as shown in the statement(s) filed 22 May 2023 . Address for service - FPA Patent Attorneys Pty Ltd Level 19, South Tower 80 Collins Street Melbourne VIC 3000 AU

**Amendments Made**

**2016**

2016222408 **Alvern Media GmbH** The nature of the amendment is as shown in the statement(s) filed 03 Mar 2023

**2017**

2017252192 **ImCyse SA** The nature of the amendment is as shown in the statement filed 29 Nov 2022

2017267212 **Evolution Aqua Limited** The nature of the amendment is as shown in the statement filed 17 Feb 2023

2017272795 **Pharmotech SA** The nature of the amendment is as shown in the statements filed 16 Feb 2023 and 02 March 2023

2017371483 **Digital Sensing Limited** The nature of the amendment is as shown in the statement filed 17 Feb 2023

2017387699 **Yara International ASA** The nature of the amendment is as shown in the statement filed 10 Jan 2023

**2018**

2018201851 **Woodside Energy Technologies Pty Ltd** The nature of the amendment is as shown in the statement filed 19 Dec 2022

**2019**

2019249165 **Zephyr Aerospace, LLC** The nature of the amendment is as shown in the statement filed 09 Feb 2023

**Amendments**

**2020**

2020259650 **Rheinmetall Waffe Munition GmbH** The nature of the amendment is: Amend the invention title to read Barrelled Weapon

**2021**

2021202215 **Cripps Clark, J.** The nature of the amendment is: Amend the priority details to read 2021900934 30 Mar 2021 AU; 2021900732 14 Mar 2021 AU; 2021900208 01 Feb 2021 AU; 2020902071 22 Jun 2020 AU; 2020902146 26 Jun 2020 AU; 2020903375 21 Sep 2020 AU; 2020903487 28 Sep 2020 AU; 2020904085 09 Nov 2020 AU; 2020904630 11 Dec 2020 AU; 2020904776 21 Dec 2020 AU; 2021900153 25 Jan 2021 AU and 2021900281 07 Feb 2021 AU

2021206913 **SecureKey Technologies Inc.** The nature of the amendment is: Amend the name of the inventor to read Barinov, Dmitry; Ronda, Troy Jacob; Varley, Michael; Wolfond, Gregory Howard and Roberge, Pierre Antoine

2021218217 **Cripps Clark, J.** The nature of the amendment is: Amend the priority details to read 2021901953 28 Jun 2021 AU; 2021901862 21 Jun 2021 AU and 2021900208 01 Feb 2021 AU

2021232845 **Clark, J.** The nature of the amendment is: Amend the priority details to read 2021901953 28 Jun 2021 AU; 2021901862 21 Jun 2021 AU; 2021902885 06 Sep 2021 AU; 2021902872 05 Sep 2021 AU; 2021902928 09 Sep 2021 AU; 2021902946 12 Sep 2021 AU and 2021900208 01 Feb 2021 AU

2021236587 **Cripps Clark, J.** The nature of the amendment is: Amend the priority details to read 2021901953 28 Jun 2021 AU; 2021901862 21 Jun 2021 AU; 2021902885 06 Sep 2021 AU; 2021902872 05 Sep 2021 AU; 2021902928 09 Sep 2021 AU; 2021902946 12 Sep 2021 AU and 2021900208 01 Feb 2021 AU

2021252607 **Cripps Clark, J.** The nature of the amendment is: Amend the priority details to read 2021900281 07 Feb 2021 AU; 2021901862 21 Jun 2021 AU; 2021901953 28 Jun 2021 AU; 2021902885 06 Sep 2021 AU; 2021902872 05 Sep 2021 AU; 2021902928 09 Sep 2021 AU; 2021902946 12 Sep 2021 AU and 2021900208 01 Feb 2021 AU

2021261831 **Cripps Clark, J.** The nature of the amendment is: Amend the priority details to read 2021900642 08 Mar 2021 AU; 2021901862 21 Jun 2021 AU; 2021901953 28 Jun 2021 AU; 2021902885 06 Sep 2021 AU; 2021902872 05 Sep 2021 AU; 2021902928 09 Sep 2021 AU; 2021902946 12 Sep 2021 AU and 2021900208 01 Feb 2021 AU

2021266324 **ViaCyte, Inc.** The nature of the amendment is as shown in the statement filed 22 Feb 2023

2021276065 **Topsoe A/S** The nature of the amendment is as shown in the statement filed 15 Dec 2022

2021286396 **Cripps Clark, J.** The nature of the amendment is: Amend the priority details to read 2020904776 21 Dec 2020 AU; 2021904017 12 Dec 2021 AU; 2021901953 28 Jun 2021 AU; 2021900208 01 Feb 2021 AU; 2021901862 21 Jun 2021 AU; 2021902885 06 Sep 2021 AU; 2021902872 05 Sep 2021 AU; 2021902928 09 Sep 2021 AU and 2021902946 12 Sep 2021 AU

**Amendments**

2021302850 **Sumitomo Chemical Company, Limited** The nature of the amendment is: Amend the invention title to read Novel microorganism belonging to genus Lactobacillus, and agent and method for controlling plant disease caused by Ralstonia solanacearum or Ralstonia pseudosolanacearum

2021311385 **NEXALIN TECHNOLOGY, INC.** The nature of the amendment is: Amend the priority details to read 63/054,964 22 Jul 2020 US; 17/116,233 09 Dec 2020 US and 63/061,255 05 Aug 2020

2021344846 **AVURE TECHNOLOGIES INCORPORATED** The nature of the amendment is as shown in the statement filed 20 Mar 2023

2021368769 **VIOLA BIO, INC.** The nature of the amendment is: Amend the name of the inventor to read SHE, Dewei; RATCHFORD, John; KATZ, Eliezer; REES, William; XIN, Yan and RAMPAL, Nishi

2021371586 **MITSUBISHI SHIPBUILDING CO., LTD.** The nature of the amendment is: Amend the invention title to read Method for transferring liquefied carbon dioxide, and floating structure

2021373785 **GRAPHIC PACKAGING INTERNATIONAL, LLC** The nature of the amendment is: Amend the priority details to read 63/110,578 US; 63/110,582 US; 63/110,587 US; 63/174,724 US; 63/128,418 US; 63/178,116 US; 63/191,412 21 May 2021 US; 63/139,341 US; 63/126,157 US; 63/169,302 US and 63/169,418 US

2021374137 **KOBAYASHI PHARMACEUTICAL CO., LTD.** The nature of the amendment is: Amend the invention title to read Ear-fitting device and warming device

2021377024 **MITSUBISHI SHIPBUILDING CO., LTD.** The nature of the amendment is: Amend the invention title to read Floating structure

2021384727 **THE MIGRATION COMPANY PTY LTD** The nature of the amendment is: Amend the priority details to read 63/116,855 21 Nov 2020 US and 17/491,403 US

**2022**

2022202704 **Cripps Clark, J.** The nature of the amendment is: Amend the priority details to read 2021901953 28 Jun 2021 AU; 2022900074 16 Jan 2022 AU; 2022900409 23 Feb 2022 AU; 2022900410 23 Feb 2022 AU; 2022900770 27 Mar 2022 AU; 2022900883 05 Apr 2022 AU; 2022900980 13 Apr 2022 AU; 2022900007 03 Jan 2022 AU; 2022900156 30 Jan 2022 AU; 2022900769 27 Mar 2022 AU; 2021904151 20 Dec 2021 AU; 2021901862 21 Jun 2021 AU; 2021902885 06 Sep 2021 AU; 2021902872 05 Sep 2021 AU; 2021902928 09 Sep 2021 AU; 2021902946 12 Sep 2021 AU; 2022900256 09 Feb 2022 AU; 2022900489 01 Mar 2022 AU and 2022900696 21 Mar 2022 AU

2022202704 **Cripps Clark, J.** The nature of the amendment is: Add divisional priority details 2021218217, 2021232845, 2021236587, 2021252607 and 2021286396

**Alteration of Name(s) of Applicant(s)/Patentee(s)****2016**

2016323460 **Cephalon, Inc.** The name of the applicant has been altered to **Cephalon LLC**

**Amendments****2017**

2017261804 **Adicet Bio, Inc.** The name of the applicant has been altered to **Adicet Therapeutics, Inc.**

**2018**

2018370120 **Adicet Bio, Inc.** The name of the applicant has been altered to **Adicet Therapeutics, Inc.**

2018394139 **Fehrmann Alloys GmbH & Co. KG** The name of the patentee has been altered to **Fehrmann Materials GmbH & Co. KG**

**2019**

2019228266 **litricity GmbH** The name of the patentee has been altered to **LITRICITY GmbH**

2019310043 **HEARD, Irvin Komel; HENDERSON, Steve** The name of the applicant has been altered to **HEARD, I.K.; HENDERSON, S.**

2019354391 **Adicet Bio, Inc.** The name of the applicant has been altered to **Adicet Therapeutics, Inc.**

2019354395 **Adicet Bio, Inc.** The name of the applicant has been altered to **Adicet Therapeutics, Inc.**

2019394877 **Adicet Bio, Inc.** The name of the applicant has been altered to **Adicet Therapeutics, Inc.**

**2020**

2020204742 **University of Vermont and State Agricultural College; Paredox Therapeutics, LLC; Wake Forest University Health Sciences** The name of the applicant has been altered to **University of Vermont and State Agricultural College; RS Oncology, LLC; Wake Forest University Health Sciences**

2020398623 **Adicet Bio, Inc.** The name of the applicant has been altered to **Adicet Therapeutics, Inc.**

**2021**

2021221785 **Adicet Bio, Inc.** The name of the applicant has been altered to **Adicet Therapeutics, Inc.**

2021354058 **BIRCHHOVER LLC D/B/A LIVEDX** The name of the applicant has been altered to **Livedx Inc.**

**2022**

2022902358 **ClinicIQ Pty Ltd** The name of the applicant has been altered to **Reliis Ltd**

Applications Open to Public Inspection

Name Index

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

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(71) 1045929 Ontario Limited  
 (11) AU-A-2022268282  
 (21) 2022268282 (22) 07.11.2022  
 (54) Sod harvesting systems and related methods  
 (51) Int. Cl.  
     **A01G 20/15** ( 2018.01 )  
     **B65G 61/00** ( 2006.01 )  
 (31) 63/281,891 (32) 22.11.21 (33) US  
 (43) 08.06.2023  
 (72) BROUWER, Gerardus J.; MILWAIN, Robert; MORGAN, Ian L.  
 (74) FB Rice Pty Ltd

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(71) 6K Inc.  
 (11) AU-A-2023203146  
 (21) 2023203146 (22) 19.05.2023  
 (54) PROCESS FOR PRODUCING SPHEROIDIZED POWDER FROM FEED-STOCK MATERIALS  
 (51) Int. Cl.  
     **B22F 1/00** ( 2022.01 )  
     **B22F 8/00** ( 2006.01 )  
     **B22F 9/04** ( 2006.01 )  
     **B22F 9/14** ( 2006.01 )  
     **B33Y 70/00** ( 2020.01 )  
     **C22C 1/04** ( 2023.01 )  
     **C22C 14/00** ( 2006.01 )  
     **C22C 19/03** ( 2006.01 )  
     **C22C 19/07** ( 2006.01 )  
     **C22C 38/00** ( 2006.01 )  
 (43) 08.06.2023  
 (62) 2019290663  
 (72) BARNES, John; BENT, Aaron; HADIDI, Kamal; REDJDAL, Makhlof; TURCHETTI, Scott; ULLAL, Saurabh; DUANMU, Ning; KOZLOWSKI, Michael C.  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

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(71) Able High International Ltd  
 (11) AU-A-2023203118  
 (21) 2023203118 (22) 18.05.2023  
 (54) Edge forming in thermoplastics  
 (51) Int. Cl.  
     **B29C 51/20** ( 2006.01 )  
     **B29C 51/18** ( 2006.01 )  
     **B65D 5/28** ( 2006.01 )  
 (43) 08.06.2023  
 (62) 2020264368  
 (72) Mo, Helan  
 (74) Intellepro Patent & Trade Mark Attorneys

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(71) Accenture Global Solutions Limited  
 (11) AU-A-2022204049  
 (21) 2022204049 (22) 10.06.2022

(54) UTILIZING TOPOLOGY-CENTRIC MONITORING TO MODEL A SYSTEM AND CORRELATE LOW LEVEL SYSTEM ANOMALIES AND HIGH LEVEL SYSTEM IMPACTS  
 (51) Int. Cl.  
     **G06F 15/00** ( 2006.01 )  
     **G06Q 10/06** ( 2012.01 )  
     **H04L 41/50** ( 2022.01 )  
     **H04L 67/025** ( 2022.01 )  
 (31) 17/456,056 (32) 22.11.21 (33) US  
 (43) 08.06.2023  
 (72) HIGGINS, Luke; GRENET, Charles; VIJAYARAGHAVAN, Koushik M.; KULKARNI, Aditi; SMITH, Jeremy Owen; IRELAND, David Marinus Morris; WANG, Campbell Kai; PRASAD TANNIRU, Rajendra  
 (74) Murray Trento & Associates Pty Ltd

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(71) AgCoTech IP Pty Ltd  
 (11) AU-A-2023200792  
 (21) 2023200792 (22) 13.02.2023  
 (54) MOLASSES BLOCK SUPPLEMENTS FOR RUMINANTS  
 (51) Int. Cl.  
     **A23K 20/158** ( 2016.01 )  
     **A23K 10/33** ( 2016.01 )  
     **A23K 20/10** ( 2016.01 )  
     **A23K 40/30** ( 2016.01 )  
     **A23K 50/10** ( 2016.01 )  
 (31) 2022900305 (32) 14.02.22 (33) AU  
 (43) 08.06.2023  
 (62) 2022201013  
 (72) Olsson, Charles Robert; McKanna, Nigel; Hill, Julian  
 (74) AgCoTech Holdings Pty Ltd

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(71) Agrawal, B.; Kumar, R.; Gupta, N.  
 (11) AU-A-2023203076  
 (21) 2023203076 (22) 17.05.2023  
 (54) Immunomodulatory compositions and methods of use thereof  
 (51) Int. Cl.  
     **A61K 39/02** ( 2006.01 )  
     **A61K 39/00** ( 2006.01 )  
     **A61P 3/00** ( 2006.01 )  
     **A61P 29/00** ( 2006.01 )  
     **A61P 31/04** ( 2006.01 )  
     **A61P 37/02** ( 2006.01 )  
     **A61P 37/04** ( 2006.01 )  
 (43) 08.06.2023  
 (62) 2016311387  
 (72) AGRAWAL, Babita; KUMAR, Rakesh; GUPTA, Nancy  
 (74) Spruson & Ferguson

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(71) Apple Inc.  
 (11) AU-A-2023203050  
 (21) 2023203050 (22) 16.05.2023

(54) Multi-modal activity tracking user interface  
 (51) Int. Cl.  
     **G06F 1/16** ( 2006.01 )  
     **A61B 5/00** ( 2006.01 )  
     **A63B 24/00** ( 2006.01 )  
     **G06F 3/0482** ( 2013.01 )  
     **G06F 3/0488** ( 2022.01 )  
 (43) 08.06.2023  
 (62) 2020288139  
 (72) Sundstrom, Matthew J.; Gilravi, Eamon F.; Arney, Julie A.; Bedekar, Niharika Milind; Blahnik, Jay; Butcher, Gary Ian; Lareau, Brett L.; Ruangchan, Danvin; Salzman, Paul Wolf; Wiebe, Molly Pray  
 (74) FPA Patent Attorneys Pty Ltd

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(71) Apple Inc.  
 (11) AU-A-2023203125  
 (21) 2023203125 (22) 18.05.2023  
 (54) Spatial management of audio  
 (51) Int. Cl.  
     **G06F 3/16** ( 2006.01 )  
     **G06F 3/0481** ( 2022.01 )  
 (43) 08.06.2023  
 (62) 2022256155  
 (72) Wood, Stuart John; Johnson, Martin E.; Satongar, Darius A.  
 (74) FPA Patent Attorneys Pty Ltd

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(71) ARENA PHARMACEUTICALS, INC.  
 (11) AU-A-2023203085  
 (21) 2023203085 (22) 17.05.2023  
 (54) Methods of treating conditions related to the S1P1 receptor  
 (51) Int. Cl.  
     **A61K 31/405** ( 2006.01 )  
     **A61K 9/00** ( 2006.01 )  
     **A61K 9/20** ( 2006.01 )  
     **A61P 17/00** ( 2006.01 )  
 (43) 08.06.2023  
 (62) PCT/US2021/058483  
 (72) FUNG, Maple; SELFRIDGE, Andrew Christopher Wesley; AHLUWALIA, Gurpreet  
 (74) ALLENS PATENT & TRADE MARK ATTORNEYS

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(71) Aristocrat Technologies Australia Pty Limited  
 (11) AU-A-2023203143  
 (21) 2023203143 (22) 19.05.2023  
 (54) A METHOD OF GAMING, A GAMING SYSTEM AND A GAME CONTROLLER  
 (51) Int. Cl.  
     **G07F 17/34** ( 2006.01 )  
 (43) 08.06.2023  
 (62) 2021201469  
 (72) PLOWMAN, Gregory Leigh  
 (74) Griffith Hack

Applications Open to Public Inspection - Name Index cont'd

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- (71) Arrowhead Pharmaceuticals, Inc.  
 (11) AU-A-2023203102  
 (21) 2023203102 (22) 17.05.2023  
 (54) TARGETING LIGANDS FOR THERAPEUTIC COMPOUNDS  
 (51) Int. Cl.  
*A61K 31/713* ( 2006.01 )  
*A61K 47/54* ( 2017.01 )  
*C12N 15/11* ( 2006.01 )  
*C12N 15/87* ( 2006.01 )  
 (43) 08.06.2023  
 (62) 2017229469  
 (72) Rozema, David B.; Wakefield, Darren H.; Blokhin, Andrei V.; Benson, Jonathan D.; Li, Zhen; Pei, Tao; Fleitz, Fred  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
- 
- (71) Attabotics Inc.  
 (11) AU-A-2023203137  
 (21) 2023203137 (22) 18.05.2023  
 (54) MULTI-ENTITY INVENTORY MANAGEMENT USING STORAGE BIN AND INVENTORY REASSIGNMENT  
 (51) Int. Cl.  
*G06Q 10/08* ( 2023.01 )  
 (43) 08.06.2023  
 (62) 2020234099  
 (72) GRAVELLE, Scott; LANGEN, Douglas; SIMPSON, Bradley Dean  
 (74) Wynnes Patent and Trade Mark Attorneys Pty Ltd
- 
- (71) AUSTRALIAN INFRASTRUCTURE SOLUTIONS PTY LTD  
 (11) AU-A-2021273551  
 (21) 2021273551 (22) 23.11.2021  
 (54) WATER HARVESTING AND DISTRIBUTION  
 (51) Int. Cl.  
*E02B 3/02* ( 2006.01 )  
*E02B 3/00* ( 2006.01 )  
*E02B 11/00* ( 2006.01 )  
*E02B 7/00* ( 2006.01 )  
*E02B 13/00* ( 2006.01 )  
 (43) 08.06.2023  
 (72) ROCHLIN, PETER PHINEAS  
 (74) Fraser Old & Sohn
- 
- (71) BASF Plant Science GmbH  
 (11) AU-A-2023201789  
 (21) 2023201789 (22) 22.03.2023  
 (54) AHAS MUTANTS  
 (51) Int. Cl.  
*A01H 5/00* ( 2018.01 )  
*A01H 5/10* ( 2018.01 )  
*C12N 9/88* ( 2006.01 )  
*C12N 15/82* ( 2006.01 )  
 (43) 08.06.2023  
 (62) 2020260573  
 (72) McElver, John A.; Singh, Bijay  
 (74) Griffith Hack
- 
- (71) Beijing Tusen Zhitu Technology Co., Ltd.  
 (11) AU-A-2022268308  
 (21) 2022268308 (22) 08.11.2022  
 (54) Electrical box  
 (51) Int. Cl.  
*H03G 3/18* ( 2006.01 )  
*B60R 16/023* ( 2006.01 )  
*H01R 9/24* ( 2006.01 )  
*H01R 9/28* ( 2006.01 )  
*H02J 4/00* ( 2006.01 )  
 (31) 202122903211.4 (32) 24.11.21 (33) CN  
 (43) 08.06.2023  
 (72) HE, Xiaokang; WANG, Chi; JI, Pingyuan  
 (74) FB Rice Pty Ltd
- 
- (71) BlackSeries Intelligent Equipment (Weihai) Co., Ltd  
 (11) AU-A-2022203382  
 (21) 2022203382 (22) 19.05.2022  
 (54) AUTOMOBILE CHASSIS  
 (51) Int. Cl.  
*B62D 21/03* ( 2006.01 )  
*B62D 21/20* ( 2006.01 )  
*B62D 29/00* ( 2006.01 )  
 (31) 202111392832.9 (32) 23.11.21 (33) CN  
 (43) 08.06.2023  
 (72) LIU, Xinna; GONG, Runjia; XU, Guang; DU, Xuxin  
 (74) Remarkable IP
- 
- (71) Brown, C.; Jonnalagadda, U.; Forman, S.; Mardiros, A.  
 (11) AU-A-2023203097  
 (21) 2023203097 (22) 17.05.2023  
 (54) Chimeric Antigen Receptors (Cars) Having Mutations in the Fc Spacer Region and Methods for their Use  
 (51) Int. Cl.  
*C07K 16/30* ( 2006.01 )  
 (43) 08.06.2023  
 (62) 2020204351  
 (72) Forman, Stephen J.; Brown, Christine E.; Jonnalagadda, Umamaheswararao; Mardiros, Armen  
 (74) WRAYS PTY LTD
- 
- (71) BTL Healthcare Technologies a.s.  
 (11) AU-A-2023203099  
 (21) 2023203099 (22) 17.05.2023  
 (54) Device and method for unattended treatment of a patient  
 (51) Int. Cl.  
*A61N 5/06* ( 2006.01 )  
*A61B 18/12* ( 2006.01 )  
*A61B 18/20* ( 2006.01 )  
*A61N 1/18* ( 2006.01 )  
*A61N 7/00* ( 2006.01 )  
 (43) 08.06.2023  
 (62) 2021269187  
 (72) SCHWARZ, Tomás; JELÍNKOVÁ, Lucia  
 (74) Spruson & Ferguson
- 
- (71) Cantor Index LLC  
 (11) AU-A-2023203054  
 (21) 2023203054 (22) 16.05.2023
- 
- (54) SYSTEM AND METHOD FOR WAGERING IN A FINANCIAL MARKET ENVIRONMENT  
 (51) Int. Cl.  
*G06Q 40/00* ( 2023.01 )  
*G06Q 40/04* ( 2012.01 )  
*G06Q 50/34* ( 2012.01 )  
 (43) 08.06.2023  
 (62) 2022201022  
 (72) Riches, Guy Iain Oliver; Davie, Christopher J.  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
- 
- (71) Caruana, B.  
 (11) AU-A-2021273529  
 (21) 2021273529 (22) 22.11.2021  
 (54) Improved Message Table  
 (51) Int. Cl.  
*A61G 13/00* ( 2006.01 )  
*A61G 13/10* ( 2006.01 )  
*A61G 13/12* ( 2006.01 )  
 (43) 08.06.2023  
 (72) Caruana, Brian  
 (74) Brian Caruana
- 
- (71) CATERPILLAR INC.  
 (11) AU-A-2022263514  
 (21) 2022263514 (22) 02.11.2022  
 (54) OPTIMIZED OPERATION PLAN FOR A POWER SYSTEM  
 (51) Int. Cl.  
*G06Q 10/04* ( 2012.01 )  
*G06Q 10/06* ( 2012.01 )  
*G06Q 50/06* ( 2012.01 )  
*H02J 3/14* ( 2006.01 )  
*H02J 3/38* ( 2006.01 )  
 (31) 17/455,865 (32) 19.11.21 (33) US  
 (43) 08.06.2023  
 (72) ZHANG, Yanhai; HUSSAIN, Syed Ameenuddin; DENG, Baoyang; CAI, Zhijun; BEYENE, Shiferaw D.; OTTEN, Casey Alan; CONVERSE, Perry D.; WILKERSEMA, Theodore E.; SNOCKO, Michael A.  
 (74) FPA Patent Attorneys Pty Ltd
- 
- (71) Caterpillar Underground Mining Pty. Ltd.  
 (11) AU-A-2022263512  
 (21) 2022263512 (22) 02.11.2022  
 (54) COMPACT ACTUATED SHEAR PIN  
 (51) Int. Cl.  
*E02F 3/38* ( 2006.01 )  
*B66F 9/075* ( 2006.01 )  
*E02F 9/24* ( 2006.01 )  
 (31) 17/531,493 (32) 19.11.21 (33) US  
 (43) 08.06.2023  
 (72) ALBERS, Riley A.; WORTH, David M.  
 (74) FPA Patent Attorneys Pty Ltd
- 
- Changzhou Development & Manufacture Centre Co., Ltd. see China University of Mining and Technology  
 (21) 2022331904
-

Applications Open to Public Inspection - Name Index cont'd

(71) ChannelFix.com LLC  
 (11) AU-A-2023203033  
 (21) 2023203033 (22) 15.05.2023  
 (54) Video-Tournament Platform  
 (51) Int. Cl.  
*H04N 21/2743* ( 2011.01 )  
*H04N 21/2187* ( 2011.01 )  
*H04N 21/475* ( 2011.01 )  
*H04N 21/478* ( 2011.01 )  
*H04N 21/4784* ( 2011.01 )  
 (43) 08.06.2023  
 (62) 2018266453  
 (72) Cvinar, John Graham  
 (74) James & Wells Intellectual Property

(71) China University of Mining and Technology; Changzhou Development & Manufacture Centre Co., Ltd.; Xuzhou Coal Mine Safety Equipment Manufacture Co., Ltd.  
 (11) AU-A-2022331904  
 (21) 2022331904 (22) 23.05.2022  
 (54) Hoist for transferred materials in underground auxiliary transportation system and method thereof  
 (51) Int. Cl.  
*B66F 19/00* ( 2006.01 )  
*E21F 17/00* ( 2006.01 )  
 (31) 202111393034.8 (32) 23.11.21 (33) CN  
 (43) 08.06.2023  
 (72) PENG, Yuxing; MA, Chi; ZHU, Zhencai; WANG, Meilin; HU, Changhua; SHI, Fahui; XIAO, Xingming; QIAN, Jun; JIANG, Fan; LI, Yunwang; WANG, Dagang; YU, Qihang  
 (74) WRAYS PTY LTD

(71) Chuan Jiing Enterprise Co., Ltd  
 (11) AU-A-2021273616  
 (21) 2021273616 (22) 25.11.2021  
 (54) MULTI-FUNCTION OAR  
 (51) Int. Cl.  
*B63H 16/04* ( 2006.01 )  
*B63B 34/26* ( 2020.01 )  
*B63B 13/00* ( 2006.01 )  
*F04B 9/14* ( 2006.01 )  
*F16K 15/03* ( 2006.01 )  
 (43) 08.06.2023  
 (72) TSENG, TIEN TSAI  
 (74) LESICAR MAYNARD ANDREWS PTY LTD

(71) Cooper, D.  
 (11) AU-A-2021273559  
 (21) 2021273559 (22) 24.11.2021  
 (54) Move Mobile - An assistive device for falls  
 (51) Int. Cl.  
*A61G 5/14* ( 2006.01 )  
*A61B 5/00* ( 2006.01 )  
*A61B 5/11* ( 2006.01 )  
*A61G 7/10* ( 2006.01 )  
*A61G 5/00* ( 2006.01 )  
 (43) 08.06.2023  
 (72) Cooper, Daniel  
 (74) Daniel Joel Craik Cooper

(71) C Y O'Connor Erade Village Foundation Incorporated  
 (11) AU-A-2023203139  
 (21) 2023203139 (22) 18.05.2023  
 (54) Methods for measuring and monitoring a meat characteristic of a livestock animal from a sample obtained from a non-meat location of the livestock  
 (51) Int. Cl.  
*G01N 33/12* ( 2006.01 )  
*G01N 33/48* ( 2006.01 )  
*G01N 33/483* ( 2006.01 )  
 (43) 08.06.2023  
 (62) 2019394890  
 (72) LLOYD, Sally Stevens; VALENZUELA, Jose L.; DAWKINS, Roger Letts  
 (74) WRAYS PTY LTD

(71) Deutsches Krebsforschungszentrum Stiftung des Öffentlichen Rechts; Eberhard Karls Universität Tübingen  
 (11) AU-A-2023203041  
 (21) 2023203041 (22) 16.05.2023  
 (54) PSMA BINDING ANTIBODY AND USES THEREOF  
 (51) Int. Cl.  
*C07K 16/28* ( 2006.01 )  
*C07K 16/30* ( 2006.01 )  
 (43) 08.06.2023  
 (62) 2017207947  
 (72) Salih, Helmut; Vogt, Fabian; Jung, Gundram; Zekri-Metref, Latifa  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) Dexcom, Inc.  
 (11) AU-A-2023203091  
 (21) 2023203091 (22) 17.05.2023  
 (54) Transcutaneous analyte sensor systems and methods  
 (51) Int. Cl.  
*A61B 5/05* ( 2021.01 )  
*A61B 5/00* ( 2006.01 )  
 (43) 08.06.2023  
 (62) 2017347902  
 (72) Given, Not  
 (74) FB Rice Pty Ltd

(71) Dignity Health  
 (11) AU-A-2023203073  
 (21) 2023203073 (22) 17.05.2023  
 (54) Diagnostic or predictor of relapsing remitting multiple sclerosis  
 (51) Int. Cl.  
*A61P 25/00* ( 2006.01 )  
*A61P 25/28* ( 2006.01 )  
*G01N 33/48* ( 2006.01 )  
*G01N 33/53* ( 2006.01 )  
*G01N 33/564* ( 2006.01 )  
*G01N 33/68* ( 2006.01 )  
 (43) 08.06.2023  
 (62) 2017286979  
 (72) Roy, Dolly  
 (74) FPA Patent Attorneys Pty Ltd

(71) Dolby International AB  
 (11) AU-A-2023203057  
 (21) 2023203057 (22) 16.05.2023

(54) Model based prediction in a critically sampled filterbank  
 (51) Int. Cl.  
*G10L 19/093* ( 2013.01 )  
 (43) 08.06.2023  
 (62) 2022201676  
 (72) VILLEMOS, Lars  
 (74) Spruson & Ferguson

(71) Dong Guan Tian Sheng Optic-tronics Corp  
 (11) AU-A-2022211861  
 (21) 2022211861 (22) 04.08.2022  
 (54) INDEPENDENT THREE-CIRCUIT POWER SUPPLY TRACK WITH SIGNAL WIRES  
 (51) Int. Cl.  
*H01R 13/426* ( 2006.01 )  
*H01R 9/00* ( 2006.01 )  
*H01R 13/516* ( 2006.01 )  
*H01R 25/00* ( 2006.01 )  
*H02G 3/00* ( 2006.01 )  
*H05K 7/02* ( 2006.01 )  
 (31) 202111389565.X (32) 19.11.21 (33) CN  
 (43) 08.06.2023  
 (72) Wang, Long  
 (74) Madderns Pty Ltd

(71) Dräger Safety AG & Co. KGaA  
 (11) AU-A-2023203114  
 (21) 2023203114 (22) 18.05.2023  
 (54) Monitoring system  
 (51) Int. Cl.  
*A61B 5/08* ( 2006.01 )  
*A61B 5/00* ( 2006.01 )  
*A61B 5/0205* ( 2006.01 )  
*A61B 5/024* ( 2006.01 )  
*A61B 5/0245* ( 2006.01 )  
*A62B 7/00* ( 2006.01 )  
*A62B 7/14* ( 2006.01 )  
*B64D 13/00* ( 2006.01 )  
 (43) 08.06.2023  
 (62) 2021302337  
 (72) GERDER, Henning; OSTERLOH, Christoph  
 (74) Oxygene IP

Eberhard Karls Universität Tübingen see Deutsches Krebsforschungszentrum Stiftung des Öffentlichen Rechts  
 (21) 2023203041

(71) Electronics and Telecommunications Research Institute; University-Industry Cooperation Group of Kyung Hee University  
 (11) AU-A-2023203128  
 (21) 2023203128 (22) 18.05.2023  
 (54) ENCODING METHOD AND DECODING METHOD, AND DEVICE USING SAME  
 (51) Int. Cl.  
*H04N 19/593* ( 2014.01 )  
 (43) 08.06.2023  
 (62) 2021212037  
 (72) Kim, Hui Yong; Park, Gwang Hoon; Kim, Kyung Yong; Lim, Sung Chang;

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Lee, Jin Ho; Choi, Jin Soo; Kim, Jin Woong  
**(74)** PHILLIPS ORMONDE FITZPATRICK

**(71)** Eli Lilly and Company  
**(11)** AU-A-2023203001  
**(21)** 2023203001 **(22)** 15.05.2023  
**(54)** Process for preparing a GIP/GLP1 dual agonist  
**(51)** Int. Cl.  
**C07K 14/605** ( 2006.01 )  
**(43)** 08.06.2023  
**(62)** 2020216922  
**(72)** COFFIN, Stephanie Ruth; FREDERICK, Michael Oliver; JALAN, Ankur; KALLMAN, Neil John; KOPACH, Michael Eugene; SEIBERT, Kevin Dale; TSUKANOV, Sergey Vladimirovich  
**(74)** Spruson & Ferguson

**(71)** Ellipse World S.A.  
**(11)** AU-A-2023203064  
**(21)** 2023203064 **(22)** 16.05.2023  
**(54)** Method for a prepaid, debit and credit card security code generation system  
**(51)** Int. Cl.  
**G06Q 20/34** ( 2012.01 )  
**G06Q 20/38** ( 2012.01 )  
**G06Q 20/40** ( 2012.01 )  
**G07F 7/08** ( 2006.01 )  
**(43)** 08.06.2023  
**(62)** 2017309383  
**(72)** ESSEBAG, Jacques; POCHIC, Sébastien  
**(74)** Spruson & Ferguson

**(71)** ESCO Group LLC  
**(11)** AU-A-2023203100  
**(21)** 2023203100 **(22)** 17.05.2023  
**(54)** Monitoring ground engaging products for earth working equipment  
**(51)** Int. Cl.  
**E02F 9/26** ( 2006.01 )  
**(43)** 08.06.2023  
**(62)** 2020284137  
**(72)** HYDE, Steven D.; BETOURNAY, Jason W.; SNYDER, Christopher D.  
**(74)** Minter Ellison

**(71)** ESCO Group LLC  
**(11)** AU-A-2023203140  
**(21)** 2023203140 **(22)** 18.05.2023  
**(54)** Monitoring ground engaging products for earth working equipment  
**(51)** Int. Cl.  
**E02F 9/26** ( 2006.01 )  
**(43)** 08.06.2023  
**(62)** 2020284137  
**(72)** HYDE, Steven D.; BETOURNAY, Jason W.; SNYDER, Christopher D.  
**(74)** Minter Ellison

**(71)** Evoqua Water Technologies Canada Limited  
**(11)** AU-A-2023203065  
**(21)** 2023203065 **(22)** 16.05.2023

**(54)** Segmented cover for a wastewater reservoir  
**(51)** Int. Cl.  
**C02F 3/28** ( 2023.01 )  
**A01C 3/02** ( 2006.01 )  
**A01F 11/04** ( 2006.01 )  
**B09B 1/00** ( 2006.01 )  
**B65D 88/34** ( 2006.01 )  
**E03F 5/06** ( 2006.01 )  
**E04H 4/10** ( 2006.01 )  
**(43)** 08.06.2023  
**(62)** 2017342900  
**(72)** EVANS, Darin; CORMER, Victor  
**(74)** Spruson & Ferguson

**(71)** FISHER & PAYKEL HEALTHCARE LIMITED  
**(11)** AU-A-2023203032  
**(21)** 2023203032 **(22)** 15.05.2023  
**(54)** PATIENT INTERFACE AND ASPECTS THEREOF  
**(51)** Int. Cl.  
**A61M 16/06** ( 2006.01 )  
**A62B 9/00** ( 2006.01 )  
**(43)** 08.06.2023  
**(62)** 2021245217  
**(72)** ALLAN, Olivia Marie; GARDIOLA, Arvin San Jose; GRADON, Lewis George; HUANG, Wen Dong; MCAULEY, Alastair Edwin; MCLAREN, Mark; PRENTICE, Craig Robert; SALMON, Andrew Paul Maxwell; SIEW, Silas Sao Jin  
**(74)** AJ PARK

**(71)** Flamel Ireland Ltd.  
**(11)** AU-A-2023203055  
**(21)** 2023203055 **(22)** 16.05.2023  
**(54)** MODIFIED RELEASE GAMMA-HYDROXYBUTYRATE FORMULATIONS HAVING IMPROVED PHARMACOKINETICS  
**(51)** Int. Cl.  
**A61K 9/16** ( 2006.01 )  
**A61K 9/50** ( 2006.01 )  
**A61K 31/19** ( 2006.01 )  
**(43)** 08.06.2023  
**(62)** 2017300845  
**(72)** Mégret, Claire; Guillard, Hervé; Duibuisson, Jean-François  
**(74)** Pizzzeys Patent and Trade Mark Attorneys Pty Ltd

**Forman, S. see Brown, C.**  
**(21)** 2023203097

**(71)** Freeport-McMoRan Inc.  
**(11)** AU-A-2023203092  
**(21)** 2023203092 **(22)** 17.05.2023  
**(54)** Methods and systems for deploying equipment required to meet defined production targets  
**(51)** Int. Cl.  
**G06Q 50/02** ( 2012.01 )

**(43)** 08.06.2023  
**(62)** 2021204532  
**(72)** WALKER, Mary Amelia; HICKSON, Nicholas; CATRON, Robert; VAUGHAN, Brian; LU, Hung Jung  
**(74)** GLMR

**(71)** FUJIFILM Business Innovation Corp.  
**(11)** AU-A-2022203794  
**(21)** 2022203794 **(22)** 02.06.2022  
**(54)** Fixing device and image forming apparatus  
**(51)** Int. Cl.  
**B41J 11/00** ( 2006.01 )  
**G03G 15/20** ( 2006.01 )  
**(31)** 2021-191420 **(32)** 25.11.21 **(33)** JP  
**(43)** 08.06.2023  
**(72)** YAMADA, Kosuke; KODERA, Tetsuro; SHIMODAIRA, Yoshiki; YAMASHITA, Masato; MATSUMOTO, Mitsuhiro; YAMASHITA, Takayuki  
**(74)** Spruson & Ferguson

**(71)** Gen-Probe Incorporated  
**(11)** AU-A-2023201323  
**(21)** 2023201323 **(22)** 03.03.2023  
**(54)** Compositions and methods for detecting Zika virus nucleic acid  
**(51)** Int. Cl.  
**C12Q 1/70** ( 2006.01 )  
**(43)** 08.06.2023  
**(62)** 2020281107  
**(72)** GAO, Kui; LINNEN, Jeffrey M.  
**(74)** FB Rice Pty Ltd

**(71)** Google LLC  
**(11)** AU-A-2023203061  
**(21)** 2023203061 **(22)** 16.05.2023  
**(54)** MAGIC STATE FACTOR CONSTRUCTIONS FOR PRODUCING CCZ AND T STATES  
**(51)** Int. Cl.  
**G06N 10/00** ( 2022.01 )  
**(43)** 08.06.2023  
**(62)** 2019389094  
**(72)** GIDNEY, Craig; FOWLER, Austin Greig  
**(74)** Pizzzeys Patent and Trade Mark Attorneys Pty Ltd

**(71)** Guangdong OPPO Mobile Telecommunications Corp., Ltd.  
**(11)** AU-A-2023203259  
**(21)** 2023203259 **(22)** 24.05.2023  
**(54)** Image signal encoding/decoding method and apparatus therefor  
**(51)** Int. Cl.  
**H04N 19/503** ( 2014.01 )  
**H04N 19/103** ( 2014.01 )  
**H04N 19/119** ( 2014.01 )  
**H04N 19/122** ( 2014.01 )  
**H04N 19/129** ( 2014.01 )  
**H04N 19/176** ( 2014.01 )  
**H04N 19/18** ( 2014.01 )  
**H04N 19/50** ( 2014.01 )  
**H04N 19/61** ( 2014.01 )  
**H04N 19/70** ( 2014.01 )



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 (62) 2019343079  
 (72) LEE, Bae Keun  
 (74) Spruson & Ferguson

**Gupta, N. see Agrawal, B.**  
 (21) 2023203076

(71) Hamdy, E.  
 (11) AU-A-2021273618  
 (21) 2021273618 (22) 25.11.2021  
 (54) SOFTWARE FOR THE ANALYSIS OF STANDARD AND REST-CORRECTED PHYSIOLOGIC AND MECHANOPHYSIOLOGIC EFFICIENCY RELATIONS  
 (51) Int. Cl.  
*G16H 20/30* ( 2018.01 )  
*A61B 5/00* ( 2006.01 )  
*A61B 5/0205* ( 2006.01 )  
*A61B 5/024* ( 2006.01 )  
*A61B 5/0295* ( 2006.01 )  
*A61B 5/08* ( 2006.01 )  
*A61B 5/318* ( 2021.01 )  
*A61B 5/369* ( 2021.01 )  
*A61B 5/389* ( 2021.01 )  
*A63B 24/00* ( 2006.01 )  
*G06F 17/18* ( 2006.01 )  
*G16H 50/30* ( 2018.01 )  
*A61B 5/11* ( 2006.01 )

(43) 08.06.2023  
 (72) Hamdy, Ehsan  
 (74) Ehsan Hamdy

(71) Hangzhou DAC Biotech Co., Ltd  
 (11) AU-A-2023203116  
 (21) 2023203116 (22) 18.05.2023  
 (54) Conjugation Linkers, Cell Binding Molecule-Drug Conjugates Containing the linkers, methods of making and uses such conjugates with the linkers  
 (51) Int. Cl.  
*C07K 14/00* ( 2006.01 )  
*A61K 31/10* ( 2006.01 )

(43) 08.06.2023  
 (62) 2021200562  
 (72) ZHAO, Yongxin Robert; YANG, Qingliang; HUANG, Yuanyuan; GAI, Shun; YE, Hangbo; ZHAO, Linyao; YANG, Chengyu; GUO, Huihui; ZHOU, Xiaomai; XIE, Hongsheng; ZHU, Haifeng; XU, Yifang; TONG, Qianqian; JIA, Junxiang; CAO, Minjun; LI, Wenjun; GAO, Shuihong; GUO, Zhixiang; BAI, Lu; LI, Chen; YANG, Yanlei; WANG, Chunyan; YE, Zhichang  
 (74) FB Rice Pty Ltd

(71) Hologic, Inc.  
 (11) AU-A-2023203130  
 (21) 2023203130 (22) 18.05.2023  
 (54) Imaging with curved compression elements  
 (51) Int. Cl.  
*A61B 6/04* ( 2006.01 )  
*A61B 6/00* ( 2006.01 )  
*B65B 53/02* ( 2006.01 )

(43) 08.06.2023  
 (62) 2017356139  
 (72) CHEN, Biao; STANGO, Timothy R.; STEIN, Jay A.; RUTH, Christopher  
 (74) FB Rice Pty Ltd

(71) Howmedica Osteonics Corp.  
 (11) AU-A-2022275445  
 (21) 2022275445 (22) 23.11.2022  
 (54) HIP BROACH AND IMPLANT DESIGNED USING MORPHOLOGICAL DATA  
 (51) Int. Cl.  
*A61B 17/00* ( 2006.01 )  
*A61F 2/46* ( 2006.01 )  
 (31) 63/282,286 (32) 23.11.21 (33) US  
 (43) 08.06.2023  
 (72) Gerges, Justin Joseph; Donde, Sonia; Peterson, Joshua; Demers, Matthew  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) IGT  
 (11) AU-A-2022263558  
 (21) 2022263558 (22) 04.11.2022  
 (54) TIPPING TO TICKET AT ELECTRONIC GAMING MACHINE (EGM) USING SERVICE WINDOW OR A MOBILE DEVICE  
 (51) Int. Cl.  
*G07F 17/32* ( 2006.01 )  
*G07F 17/42* ( 2006.01 )  
 (31) 17/537,742 (32) 22.11.21 (33) US  
 (43) 08.06.2023  
 (72) Higgins, Kevin; Shepherd, Jeffery; Petersen, Erik  
 (74) PHILLIPS ORMONDE FITZPATRICK

**IK GUJRAL PUNJAB TECHNICAL UNIVERSITY see QINGDAO UNIVERSITY OF TECHNOLOGY**  
 (21) 2022201195

**illumina, Inc. see University of Washington Through its Center for Commercialization**  
 (21) 2023202390

(71) ImmunityBio, Inc.  
 (11) AU-A-2023202642  
 (21) 2023202642 (22) 29.04.2023  
 (54) IL-2 Dependent NK-92 cells with stable Fc receptor expression  
 (51) Int. Cl.  
*A61K 35/17* ( 2015.01 )  
*A61P 35/00* ( 2006.01 )  
*C07K 14/735* ( 2006.01 )  
*C07K 16/28* ( 2006.01 )  
*C12N 5/0783* ( 2010.01 )  
 (43) 08.06.2023  
 (62) 2019388876  
 (72) NAVARRO, Francisco; KLINGEMANN, Hans G.; BOISSE, Laurent H.; DANDAPAT, Abhijit  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) INSTITUTE OF SOIL SCIENCE, CHINESE ACADEMY OF SCIENCES  
 (11) AU-A-2022203535  
 (21) 2022203535 (22) 25.05.2022  
 (54) METHOD FOR IDENTIFYING STRATIGRAPHIC STRUCTURES IN RED SOIL AREA BASED ON SHALLOW SEISMIC REFRACTION WAVE METHOD  
 (51) Int. Cl.  
*G01V 1/28* ( 2006.01 )  
 (31) 2021113923452 (32) 23.11.21 (33) CN  
 (43) 08.06.2023  
 (72) SONG, Xiaodong; ZHONG, Chen; WU, Huayong; ZHAO, Yongcun; ZHANG, Ganlin  
 (74) Baxter Patent Attorneys Pty Ltd

(71) Intuit Inc.  
 (11) AU-A-2023203056  
 (21) 2023203056 (22) 16.05.2023  
 (54) Method and system for updating analytics models that are used to dynamically and adaptively provide personalized user experiences in a software system  
 (51) Int. Cl.  
*G06Q 40/00* ( 2023.01 )  
*G06Q 10/10* ( 2023.01 )  
*G06Q 40/02* ( 2023.01 )  
 (43) 08.06.2023  
 (62) 2021203258  
 (72) Mascaro, Massimo; Cessna, Joseph; Ouyang, Peter  
 (74) Davies Collison Cave Pty Ltd

**Jonnalagadda, U. see Brown, C.**  
 (21) 2023203097

(71) Knopf, B.R.  
 (11) AU-A-2023203129  
 (21) 2023203129 (22) 18.05.2023  
 (54) Systems and methods for distributing partial data to subnetworks  
 (51) Int. Cl.  
*G06F 17/00* ( 2019.01 )  
 (43) 08.06.2023  
 (62) 2018302104  
 (72) KNOPE, Brian R.  
 (74) Spruson & Ferguson

**Kumar, R. see Agrawal, B.**  
 (21) 2023203076

(71) LEE, Y.; SU, Y.  
 (11) AU-A-2021273620  
 (21) 2021273620 (22) 25.11.2021  
 (54) SHOPPING PLATFORM PROFIT SHARING SYSTEM  
 (51) Int. Cl.  
*G06Q 30/06* ( 2012.01 )  
*G06Q 30/02* ( 2012.01 )  
 (43) 08.06.2023  
 (72) LEE, YI-HSUAN; SU, YU-SHENG  
 (74) MOHAN MURALI KODIVEL

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(71) LG Electronics Inc.  
 (11) AU-A-2023203062  
 (21) 2023203062 (22) 16.05.2023  
 (54) VIDEO CODING METHOD ON BASIS OF SECONDARY TRANSFORM, AND DEVICE FOR SAME  
 (51) Int. Cl.  
*H04N 19/61* (2014.01)  
*H04N 19/11* (2014.01)  
*H04N 19/122* (2014.01)  
*H04N 19/124* (2014.01)  
*H04N 19/132* (2014.01)  
*H04N 19/18* (2014.01)  
*H04N 19/593* (2014.01)  
*H04N 19/70* (2014.01)  
 (43) 08.06.2023  
 (62) 2019404727  
 (72) KOO, Moonmo; KIM, Seunghwan; LIM, Jaehyun  
 (74) Dentons Patent Attorneys Australasia Limited

(71) LG ELECTRONICS INC.  
 (11) AU-A-2023203141  
 (21) 2023203141 (22) 19.05.2023  
 (54) Stack-type laundry treating apparatus  
 (51) Int. Cl.  
*D06F 29/00* (2006.01)  
*D06F 39/12* (2006.01)  
 (43) 08.06.2023  
 (62) 2021201225  
 (72) KWON, Daehan; YOO, Sanghee; KANG, Incheol  
 (74) Dentons Patent Attorneys Australasia Limited

(71) Liebherr-Elektronik GmbH  
 (11) AU-A-2022271434  
 (21) 2022271434 (22) 17.11.2022  
 (54) Electrical drive system for a work machine having two electric motors that can be regulated independently of one another  
 (51) Int. Cl.  
*H02M 7/42* (2006.01)  
*B60L 9/00* (2019.01)  
*B60L 50/50* (2019.01)  
*B60L 50/53* (2019.01)  
*B60M 7/00* (2006.01)  
*H02J 1/10* (2006.01)  
*H02J 3/32* (2006.01)  
*H02J 7/04* (2006.01)  
*H02J 7/34* (2006.01)  
*H02M 1/088* (2006.01)  
*H02M 3/137* (2006.01)  
*H02M 7/493* (2007.01)  
*H02M 7/77* (2006.01)  
*H02M 7/81* (2006.01)

(31) 10 2021 130 987.5 (32) 25.11.21 (33) DE  
 (43) 08.06.2023  
 (72) MAHDAVI, Nejat; ENGLER, Alfred  
 (74) FB Rice Pty Ltd

(71) Light Field Lab, Inc.  
 (11) AU-A-2023203039  
 (21) 2023203039 (22) 16.05.2023  
 (54) Encoded energy waveguides for holographic super resolution  
 (51) Int. Cl.

*H01P 3/12* (2006.01)  
 (43) 08.06.2023  
 (62) 2021201774  
 (72) KARAFIN, Jonathan Sean; BEVENSEE, Brendan Elwood  
 (74) Spruson & Ferguson

(71) Longkou Yongan Vehicle Window Co., Ltd  
 (11) AU-A-2022201468  
 (21) 2022201468 (22) 03.03.2022  
 (54) Recreational Vehicle Screen Window  
 (51) Int. Cl.  
*B60J 1/20* (2006.01)  
*E06B 9/40* (2006.01)  
*E06B 9/42* (2006.01)  
*E06B 9/54* (2006.01)  
 (31) 2021228703107 (32) 23.11.21 (33) CN  
 (43) 08.06.2023  
 (72) ZOU, Jixin; LI, Yusheng  
 (74) A.P.T. Patent and Trade Mark Attorneys

(71) MAF Agrobotic  
 (11) AU-A-2023203123  
 (21) 2023203123 (22) 18.05.2023  
 (54) METHOD AND DEVICE FOR OPTICALLY ANALYSING FRUIT OR VEGETABLES AND DEVICE FOR AUTOMATIC SORTING  
 (51) Int. Cl.  
*G01N 21/85* (2006.01)  
 (43) 08.06.2023  
 (62) 2018226589  
 (72) Blanc, Philippe  
 (74) AJ PARK

Mardiros, A. see Brown, C.  
 (21) 2023203097

(71) Milwaukee Electric Tool Corporation  
 (11) AU-A-2023203101  
 (21) 2023203101 (22) 17.05.2023  
 (54) Battery charger  
 (51) Int. Cl.  
*H02J 7/00* (2006.01)  
*H05K 7/20* (2006.01)  
 (43) 08.06.2023  
 (62) 2022203040  
 (72) SILHA, Wyatt R.; TRUETTNER, Donald J.; MARX, John G.; SCHULZ, Cameron R.  
 (74) Griffith Hack

(71) Mitsubishi Heavy Industries, Ltd.  
 (11) AU-A-2022275410  
 (21) 2022275410 (22) 22.11.2022  
 (54) Operation condition setting device, people flow prediction device, operation condition setting method, people flow prediction method, and program  
 (51) Int. Cl.  
*G06Q 10/04* (2023.01)  
*G01C 21/34* (2006.01)  
*G05D 1/00* (2006.01)  
*G06F 17/18* (2006.01)

(31) 2021-191343 (32) 25.11.21 (33) JP  
 (43) 08.06.2023  
 (72) YOSHIDA, Kazuki; YAMADA, Masahiro; SABERI, Meead; LILASATH-APORNKIT, Tanapon  
 (74) Davies Collison Cave Pty Ltd

(71) Mitsubishi Heavy Industries Thermal Systems, Ltd.  
 (11) AU-A-2022271507  
 (21) 2022271507 (22) 18.11.2022  
 (54) INDOOR UNIT  
 (51) Int. Cl.  
*F24F 1/0007* (2019.01)  
*F24F 13/20* (2006.01)  
 (31) 2021-189843 (32) 24.11.21 (33) JP  
 (43) 08.06.2023  
 (72) Hisamatsu, Shion; Kanamori, Azusa; Mitoma, Keisuke; Yamaguchi, Tomomitsu; Mori, Yuji; Doi, Yusuke  
 (74) PHILLIPS ORMONDE FITZPATRICK

(71) ModernaTX, Inc.  
 (11) AU-A-2023203042  
 (21) 2023203042 (22) 16.05.2023  
 (54) Compositions and methods for delivery of therapeutic agents  
 (51) Int. Cl.  
*A61K 9/127* (2006.01)  
*A61K 9/133* (2006.01)  
*A61K 31/7088* (2006.01)  
*C12N 15/88* (2006.01)  
 (43) 08.06.2023  
 (62) 2022259750  
 (72) Besin, Gilles; Hoge, Stephen; Senn, Joseph; Benenato, Kerry; Sabnis, Staci  
 (74) RnB IP Pty Ltd

(71) MONTEFIBRE MAE TECHNOLOGIES S.r.l.  
 (11) AU-A-2022268277  
 (21) 2022268277 (22) 07.11.2022  
 (54) HIGH-SPEED PROCESS FOR PRODUCING ACRYLIC FIBERS AND RELATIVE APPARATUS  
 (51) Int. Cl.  
*D01D 5/06* (2006.01)  
*C08J 3/07* (2006.01)  
 (31) 102021000029576 (32) 23.11.21 (33) IT  
 (43) 08.06.2023  
 (72) FRANCALANCI, Franco; GOZZO, Pierluigi; VIDIGAL, Ana Paula; ROVELLINI, Marco; GUARDIANI, Valter  
 (74) AJ PARK

(71) National Payments Corporation of India  
 (11) AU-A-2023203106  
 (21) 2023203106 (22) 18.05.2023  
 (54) AN ELECTRONIC PAYMENT SYSTEM AND METHOD THEREOF  
 (51) Int. Cl.  
*G06Q 20/08* (2012.01)  
*G06Q 20/10* (2012.01)  
*G06Q 20/22* (2012.01)  
*G06Q 20/32* (2012.01)  
*G06Q 20/38* (2012.01)

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(62) 2017283207  
(72) Asbe, Dilip; Rajendran, Narayanan; Palagiri, Sateesh; Sharma, Anubhav  
(74) CreatelP
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- (71) Native Microbials, Inc.  
(11) AU-A-2023201984  
(21) 2023201984 (22) 31.03.2023  
(54) Methods for improving agricultural production of fowl by administration of microbial consortia or purified strains thereof  
(51) Int. Cl.  
A61K 35/74 (2015.01)  
A61K 35/747 (2015.01)  
A61P 1/00 (2006.01)  
A61P 31/00 (2006.01)  
C12N 1/20 (2006.01)  
C12R 1/225 (2006.01)  
(43) 08.06.2023  
(62) 2017249595  
(72) Embree, Mallory; Tarasova, Janna; Picking, Luke; Gogul, Grant; Vanderlinden, Kayla  
(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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- (71) Nicira, Inc.  
(11) AU-A-2023203037  
(21) 2023203037 (22) 16.05.2023  
(54) Extension of network control system into public cloud  
(51) Int. Cl.  
G06F 9/455 (2018.01)  
G06F 9/50 (2006.01)  
(43) 08.06.2023  
(62) 2021212107  
(72) CHANDRASHEKHAR, Ganesan; HIRA, Mukesh; KATREKAR, Akshay; WANG, Su; YU, Jia; SHAH, Saurabh; PILLAI, Sanal; JIAN, Jayant; ZHANG, Ronghua; KULKARNI, Vaibhav  
(74) FB Rice Pty Ltd
- 
- (71) Nicoventures Trading Limited  
(11) AU-A-2023203086  
(21) 2023203086 (22) 17.05.2023  
(54) Heating assembly and apparatus  
(51) Int. Cl.  
A24F 40/465 (2020.01)  
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E05C 9/06 (2006.01)  
A01K 1/03 (2006.01)  
A01K 1/035 (2006.01)  
E05C 1/06 (2006.01)
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G06Q 10/04 (2012.01)  
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A01C 7/06 (2006.01)  
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A61M 37/00 (2006.01)  
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(51) Int. Cl.  
B05B 5/053 (2006.01)  
B05B 5/03 (2006.01)  
B23Q 11/10 (2006.01)  
F16N 7/34 (2006.01)  
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**(11)** AU-A-2023203075  
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**(54)** Volatile material dispenser  
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**A01M 1/20** ( 2006.01 )  
**A61L 9/12** ( 2006.01 )  
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**C07K 14/32** ( 2006.01 )  
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**(54)** Device for displaying images for stands or stairways  
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**G09F 19/22** ( 2006.01 )  
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**(54)** RARA AGONISTS FOR THE TREATMENT OF AML AND MDS  
**(51)** Int. Cl.  
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**(51)** Int. Cl.  
**H04Q 9/00** ( 2006.01 )  
**A01F 25/16** ( 2006.01 )  
**G05D 27/02** ( 2006.01 )  
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**(54)** METHOD FOR ACCESS UNIT DELIMITER SIGNALING  
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**H04N 19/70** ( 2014.01 )  
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 (74) Maxwells Patent & Trade Mark Attorneys Pty Ltd

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 (54) MONITORING SYSTEM AND METHOD  
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*G06T 7/70* ( 2017.01 )  
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*G06V 10/82* ( 2022.01 )  
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*H04N 7/18* ( 2006.01 )  
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University-Industry Cooperation Group of Kyung Hee University see Electronics and Telecommunications Research Institute  
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(71) University of Florida Research Foundation, Inc.  
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*C07K 16/28* ( 2006.01 )  
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 (72) Mitchell, Duane; Flores, Catherine  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

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*B01D 57/02* ( 2006.01 )  
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 (51) Int. Cl.  
*H04N 7/00* ( 2011.01 )  
*G06K 19/00* ( 2006.01 )  
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(71) WisTa Laboratories Ltd.  
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 (74) FB Rice Pty Ltd

Xuzhou Coal Mine Safety Equipment Manufacture Co., Ltd. see China University of Mining and Technology  
 (21) 2022331904

(71) ZTE Corporation  
 (11) AU-A-2023203052  
 (21) 2023203052 (22) 16.05.2023  
 (54) CONTROL CHANNEL DETECTION AND INFORMATION ELEMENT TRANSMISSION METHODS AND APPARATUSSES, DEVICE AND STORAGE MEDIUM  
 (51) Int. Cl.  
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ANG, Chuangxin; LI, YuNgok; GAO,  
Bo; WU, Hao; HE, Zhen
- (74) Pizzeys Patent and Trade Mark Attor-  
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<b>2022271507</b>	Mitsubishi Heavy Industries Thermal Systems, Ltd.	<b>2023203123</b>	MAF Agrobotic
<b>2022275410</b>	Mitsubishi Heavy Industries, Ltd.	<b>2023203125</b>	Apple Inc.
<b>2022275445</b>	Howmedica Osteonics Corp.	<b>2023203128</b>	Electronics and Telecommunications Research Institute; University-Industry Cooperation Group of Kyung Hee University
<b>2022331904</b>	China University of Mining and Technology; Changzhou Development & Manufacture Centre Co., Ltd.; Xuzhou Coal Mine Safety Equipment Manufacture Co., Ltd.	<b>2023203129</b>	Knopf, B.R.
<b>2023200792</b>	AgCoTech IP Pty Ltd	<b>2023203130</b>	Hologic, Inc.
<b>2023201323</b>	Gen-Probe Incorporated	<b>2023203137</b>	Attabotics Inc.
<b>2023201789</b>	BASF Plant Science GmbH	<b>2023203139</b>	C Y O'Connor Erade Village Foundation Incorporated
<b>2023201862</b>	Spogen Biotech Inc.	<b>2023203140</b>	ESCO Group LLC
<b>2023201925</b>	The Raymond Corporation	<b>2023203141</b>	LG ELECTRONICS INC.
<b>2023201984</b>	Native Microbials, Inc.	<b>2023203143</b>	Aristocrat Technologies Australia Pty Limited
<b>2023202390</b>	University of Washington Through its Center for Commercialization; Illumina, Inc.	<b>2023203146</b>	6K Inc.
<b>2023202642</b>	ImmunityBio, Inc.	<b>2023203148</b>	Sonikure Holdings Limited
<b>2023203001</b>	Eli Lilly and Company	<b>2023203151</b>	Tencent America LLC
<b>2023203003</b>	Prince, T.L.	<b>2023203259</b>	Guangdong OPPO Mobile Telecommunications Corp., Ltd.
<b>2023203032</b>	FISHER & PAYKEL HEALTHCARE LIMITED		
<b>2023203033</b>	ChannelFix.com LLC		
<b>2023203037</b>	Nicira, Inc.		
<b>2023203038</b>	University of Florida Research Foundation, Inc.		
<b>2023203039</b>	Light Field Lab, Inc.		
<b>2023203040</b>	Syros Pharmaceuticals, Inc.		
<b>2023203041</b>	Deutsches Krebsforschungszentrum Stiftung des Öffentlichen Rechts; Eberhard Karls Universität Tübingen		
<b>2023203042</b>	ModernaTX, Inc.		
<b>2023203044</b>	Reynolds Presto Products Inc.		
<b>2023203050</b>	Apple Inc.		
<b>2023203052</b>	ZTE Corporation		
<b>2023203054</b>	Cantor Index LLC		
<b>2023203055</b>	Flamel Ireland Ltd.		
<b>2023203056</b>	Intuit Inc.		
<b>2023203057</b>	Dolby International AB		
<b>2023203061</b>	Google LLC		
<b>2023203062</b>	LG Electronics Inc.		
<b>2023203064</b>	Ellipse World S.A.		

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**Innovation Patents Open to Public Inspection**

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

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(71) D.I.T Technologies Ltd  
 (11) AU-A-2023100039  
 (21) 2023100039 (22) 12.05.2023  
 (54) Dosing system powered by a photovoltaic cell  
 (51) Int. Cl.  
     A01K 7/02 ( 2006.01 )  
     A01K 5/02 ( 2006.01 )  
     A01K 39/02 ( 2006.01 )  
     A61D 7/00 ( 2006.01 )  
     G05B 19/00 ( 2006.01 )  
 (45) 08.06.2023  
 (62) 2019370617,2022100179  
 (72) PEART, Mark Rawlinson; FEEZ, Thomas Robinson  
 (74) Spruson & Ferguson

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(71) D.I.T Technologies Ltd  
 (11) AU-A-2023100040  
 (21) 2023100040 (22) 15.05.2023  
 (54) Dosing system with a microprocessor to control the discharge rate of an additive  
 (51) Int. Cl.  
     A01K 7/02 ( 2006.01 )  
     A01K 5/02 ( 2006.01 )  
     A01K 39/02 ( 2006.01 )  
     A61D 7/00 ( 2006.01 )  
     G05B 19/00 ( 2006.01 )  
 (45) 08.06.2023  
 (62) 2019370617,2022100179  
 (72) PEART, Mark Rawlinson; FEEZ, Thomas Robinson  
 (74) Spruson & Ferguson

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(71) Nanjing Iron & Steel Co., Ltd.  
 (11) AU-A-2019101844  
 (21) 2019101844 (22) 26.07.2019  
 (54) Thick NM500 wear-resistant steel and production method therefor  
 (51) Int. Cl.  
     C22C 35/00 ( 2006.01 )  
     C21D 8/00 ( 2006.01 )  
     C22C 38/02 ( 2006.01 )  
     C22C 38/04 ( 2006.01 )  
     C22C 38/14 ( 2006.01 )  
     C22C 38/26 ( 2006.01 )  
     C22C 38/28 ( 2006.01 )  
     C22C 38/32 ( 2006.01 )  
 (31) 201811342361.9 (32) 12.11.18 (33) CN  
 (45) 08.06.2023  
 (72) JIANG, Zaiwei; WANG, Sheng; HOU, Zhonghua; YAN, Qiangjun; ZHANG, Yijie; JIANG, Hui; WANG, Sicong  
 (74) Madderns Pty Ltd

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**C22C 38 /-**

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**G05B 19 /-**

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2023100040

PCT applications which have entered the National Phase

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

<p>(71) 1CBIO, INC. (11) AU-A-2021368622 (21) 2021368622 (22) 30.10.2021 (54) ECTONUCLEOTIDE PYROPHOSPHATASE-PHOSPHODIESTERASE-1 (ENPP1) INHIBITORS AND USES THEREOF (51) Int. Cl. <b>A61K 31/00</b> ( 2006.01 ) <b>A61P 35/00</b> ( 2006.01 ) <b>C07D 215/44</b> ( 2006.01 ) <b>C07D 401/12</b> ( 2006.01 ) (87) WO2022/091048 (31) 63/107,818 (32) 30.10.20 (33) US 63/192,605 25.05.21 US (43) 05.05.2022 (72) PUJALA, Brahman; ANSARI, Aman-tullah; SAPRA, Shreya; JADHAVAR, Pradeep S.; PENDHARKAR, Dhanan-jay; RAMACHANDRAN, Sreekanth A.; SAEED, Uzma; DANODIA, Abhinandan; KHAN, Farha; PATNI, Sagar; SONI, Sanjeev; GUPTA, Ashu; CHAKRAVARTY, Sarvajit; SATHE, Balaji Dashrath (74) FPA Patent Attorneys Pty Ltd</p>	<p>(31) 63/139,198 (32) 19.01.21 (33) US (43) 28.07.2022 (72) HOLMAN, Richard, K.; PULLEN, Adrian; WROBEL, Gregory, M.; COLWELL, John (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd</p>	<p>Kuen; HUANG, Victor, Paishi; NG, Yee-Huan (74) FPA Patent Attorneys Pty Ltd</p>
<p>(71) 24/7 PIZZA BOX, LLC (11) AU-A-2021376307 (21) 2021376307 (22) 09.11.2021 (54) VENDING MACHINE AND OPENING SYSTEMS AND METHODS (51) Int. Cl. <b>G07F 11/04</b> ( 2006.01 ) <b>B65D 83/00</b> ( 2006.01 ) <b>G07F 11/02</b> ( 2006.01 ) <b>G07F 11/10</b> ( 2006.01 ) <b>G07F 11/16</b> ( 2006.01 ) <b>G07F 17/00</b> ( 2006.01 ) (87) WO2022/099167 (31) 63/111,239 (32) 09.11.20 (33) US 17/522,002 09.11.21 US (43) 12.05.2022 (72) MAYHEW, Peter; CHESSLER, David (74) KINGS PATENT &amp; TRADE MARKS ATTORNEYS PTY LTD</p>	<p>(71) AATEC MEDICAL GMBH (11) AU-A-2021375735 (21) 2021375735 (22) 08.11.2021 (54) A COMPOSITION COMPRISING EXTRA-CELLULAR VESICLES FROM MESENCHYMAL STEM CELLS AND ALPHA-1 ANTITRYPSIN FOR THE TREATMENT OF VIRAL INFECTIONS (51) Int. Cl. <b>A61K 9/00</b> ( 2006.01 ) <b>A61K 35/28</b> ( 2015.01 ) <b>A61K 38/57</b> ( 2006.01 ) <b>A61P 31/12</b> ( 2006.01 ) (87) WO2022/096708 (31) 20206287.3 (32) 06.11.20 (33) EP 21159620.0 26.02.21 EP (43) 12.05.2022 (72) STANGL, Manfred; STRASSMAIR, Michael (74) James &amp; Wells Intellectual Property</p>	<p>(71) ABBOTT LABORATORIES (11) AU-A-2021390474 (21) 2021390474 (22) 30.11.2021 (54) USE OF ONE OR MORE BIOMARKERS TO DETERMINE TRAUMATIC BRAIN INJURY (TBI) IN A SUBJECT HAVING RECEIVED A HEAD COMPUTERIZED TOMOGRAPHY SCAN THAT IS NEGATIVE FOR A TBI (51) Int. Cl. <b>G01N 33/68</b> ( 2006.01 ) (87) WO2022/119841 (31) 63/120,062 (32) 01.12.20 (33) US 63/170,873 05.04.21 US (43) 09.06.2022 (72) MCQUISTON, Beth; DATWYLER, Saul; CHANDRAN, Raj; MARINO, Jaime; ZHANG, Hongwei (74) FPA Patent Attorneys Pty Ltd</p>
<p>(71) 6K INC. (11) AU-A-2022210989 (21) 2022210989 (22) 18.01.2022 (54) SINGLE CRYSTAL CATHODE MATERIALS USING MICROWAVE PLASMA PROCESSING (51) Int. Cl. <b>B01J 19/12</b> ( 2006.01 ) <b>C01D 15/00</b> ( 2006.01 ) <b>C01D 15/02</b> ( 2006.01 ) <b>H01M 4/131</b> ( 2010.01 ) <b>H01M 10/0525</b> ( 2010.01 ) (87) WO2022/159401</p>	<p>(71) ABBOTT DIABETES CARE INC. (11) AU-A-2021397775 (21) 2021397775 (22) 09.12.2021 (54) SYSTEMS, DEVICES, AND METHODS FOR ANALYTE SENSOR INSERTION (51) Int. Cl. <b>A61B 5/145</b> ( 2006.01 ) <b>A61B 5/00</b> ( 2006.01 ) (87) WO2022/125779 (31) 63/123,938 (32) 10.12.20 (33) US (43) 16.06.2022 (72) WANG, Yi; CHO, Hyun; FELDMAN, Benjamin J.; TRAN, Lam N.; SADIK, Zahid (74) FPA Patent Attorneys Pty Ltd</p>	<p>(71) ABF DIAGNOSTICS GMBH (11) AU-A-2021352099 (21) 2021352099 (22) 28.09.2021 (54) SAMPLE CONTAINER THAT CAN BE CLOSED WITH A NONWOVEN FABRIC, USE OF THE SAMPLE CONTAINER FOR DRYING AND PROCESSING THE SAMPLE OF A BIOLOGICAL MATERIAL, AND METHOD FOR PROCESSING THE SAMPLE (51) Int. Cl. <b>B01L 3/00</b> ( 2006.01 ) (87) WO2022/069477 (31) 10 2020 212 266.0 (32) 29.09.20 (33) DE (43) 07.04.2022 (72) ABERL, Franz (74) Spruson &amp; Ferguson</p>
<p>(71) 6K INC. (11) AU-A-2022210989 (21) 2022210989 (22) 18.01.2022 (54) SINGLE CRYSTAL CATHODE MATERIALS USING MICROWAVE PLASMA PROCESSING (51) Int. Cl. <b>B01J 19/12</b> ( 2006.01 ) <b>C01D 15/00</b> ( 2006.01 ) <b>C01D 15/02</b> ( 2006.01 ) <b>H01M 4/131</b> ( 2010.01 ) <b>H01M 10/0525</b> ( 2010.01 ) (87) WO2022/159401</p>	<p>(71) ABBOTT DIABETES CARE INC. (11) AU-A-2021415909 (21) 2021415909 (22) 31.08.2021 (54) EMBEDDED SYSTEMS IN MEDICAL MONITORING SYSTEMS (51) Int. Cl. <b>A61B 5/145</b> ( 2006.01 ) <b>A61B 5/01</b> ( 2006.01 ) <b>G01N 33/487</b> ( 2006.01 ) (87) WO2022/146496 (31) 63/132,631 (32) 31.12.20 (33) US (43) 07.07.2022 (72) HUA, Xuandong; KUNICH, Theodore, J.; COLE, Jean-pierre, J.; ZHANG, Nelson, Y.; ZHANG, Junle; CHAN, Danny; LENO, Kurt, E.; LAM, Ping-</p>	<p>(71) ABIONIC SA (11) AU-A-2020475845 (21) 2020475845 (22) 03.11.2020 (54) METHOD FOR ASSESSING THE SEVERITY OF SARS (51) Int. Cl. <b>G01N 33/68</b> ( 2006.01 ) (87) WO2022/096916 (43) 12.05.2022 (72) DURAND, Nicolas; MÄRKI, Iwan; VENTURA, François (74) IP GATEWAY PATENT &amp; TRADE MARK ATTORNEYS PTY LTD</p>
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 (72) STEEVEN, Blanc  
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 A61P 31/04 (2006.01)  
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 A61K 31/282 ( 2006.01 )  
 A61K 31/496 ( 2006.01 )  
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 A61K 45/06 ( 2006.01 )  
 A61P 35/00 ( 2006.01 )  
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 F16D 1/076 ( 2006.01 )  
 F01D 5/04 ( 2006.01 )  
 F16B 2/00 ( 2006.01 )  
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 (74) Davies Collison Cave Pty Ltd
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 (54) SAP FC FUSION PROTEINS AND METHODS OF USE  
 (51) Int. Cl.  
 A61P 25/28 ( 2006.01 )  
 A61K 38/17 ( 2006.01 )  
 C07K 14/47 ( 2006.01 )  
 C12N 15/62 ( 2006.01 )  
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 G05D 1/02 ( 2020.01 )  
 B62D 15/02 ( 2006.01 )  
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 (54) ORAL CANNABINOID FORMULATION COMPRISING TOCOPHERYL PHOSPHATES AND LONG CHAIN TRIGLYCERIDES OR LONG CHAIN FATTY ACIDS  
 (51) Int. Cl.  
 A61K 31/05 ( 2006.01 )

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**(54)** ORAL CANNABINOID FORMULATION COMPRISING MEDIUM CHAIN TRIGLYCERIDES AND TOCOPHERYL PHOSPHATES  
**(51)** Int. Cl.  
**A61K 31/05** ( 2006.01 )  
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**A61K 31/352** ( 2006.01 )  
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**(11)** AU-A-2021366672  
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**(54)** FASCICULATED NERVE GRAFTS, METHODS OF MAKING THE SAME, AND METHODS OF TREATMENT USING THE SAME  
**(51)** Int. Cl.  
**A61L 27/36** ( 2006.01 )  
**A61L 27/44** ( 2006.01 )  
**A61L 27/54** ( 2006.01 )  
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**(74)** FPA Patent Attorneys Pty Ltd
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**(54)** DEVICES AND METHODS FOR REMOTE PROGRAMMING OF IMPLANTED NEUROSTIMULATION SYSTEMS  
**(51)** Int. Cl.  
**G06F 9/44** ( 2018.01 )  
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**E21B 34/14** ( 2006.01 )  
**E21B 23/00** ( 2006.01 )  
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**(54)** TAPERED CUP AND METHOD OF FORMING THE SAME  
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**A47G 19/22** ( 2006.01 )  
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**B21D 22/28** ( 2006.01 )  
**B21D 51/10** ( 2006.01 )  
**B21D 51/18** ( 2006.01 )  
**B65D 1/26** ( 2006.01 )  
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**(43)** 05.05.2022  
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**(74)** Madderns Pty Ltd
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**(54)** MARINE POWER CONDUIT INTER-FACE ASSEMBLY  
**(51)** Int. Cl.  
**H02G 9/02** ( 2006.01 )  
**F16L 3/26** ( 2006.01 )  
**F16L 5/00** ( 2006.01 )  
**G02B 6/50** ( 2006.01 )  
**G02B 6/54** ( 2006.01 )  
**H02G 1/10** ( 2006.01 )  
**H02G 9/12** ( 2006.01 )  
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**B60N 2/28** ( 2006.01 )  
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**(74)** Allens Patent & Trade Mark Attorneys
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**(54)** MECHANICAL DILATOR  
**(51)** Int. Cl.  
**A61M 29/02** ( 2006.01 )  
**A61B 17/28** ( 2006.01 )  
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**A61B 18/02** ( 2006.01 )  
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**(54)** HARVEST MANAGEMENT  
**(51)** Int. Cl.  
**A01H 5/10** ( 2018.01 )  
**A01D 91/04** ( 2006.01 )  
**A01H 6/20** ( 2018.01 )  
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**(74)** Griffith Hack
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**(51)** Int. Cl.  
**A01N 25/04** ( 2006.01 )  
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**A01N 25/22** ( 2006.01 )  
**A01N 25/30** ( 2006.01 )  
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**A01P 13/00** ( 2006.01 )  
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(54) SYSTEM AND METHOD FOR EXTENDING THE STORAGE DURATION OF A RECHARGEABLE BATTERY OF AN INFUSION PUMP  
(51) Int. Cl.  
H02J 7/00 ( 2006.01 )  
A61M 5/00 ( 2006.01 )  
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(54) 1-(PYRIDYL)-5-AZINYLPIRAZOLE DERIVATIVES, AND THEIR USE FOR CONTROL OF UNDESIRE PLANT GROWTH  
(51) Int. Cl.  
C07D 401/14 ( 2006.01 )  
A01N 43/653 ( 2006.01 )  
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(21) 2021373985 (22) 02.11.2021  
(54) [(1-PHENYL-5-HETEROARYL-1H-PYRAZOL-3-YL)OXY] ACETIC ACID DERIVATIVES AS SAFENERS FOR THE PROTECTION OF USEFUL PLANTS AND CROP PLANTS  
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C07D 401/04 ( 2006.01 )  
A01N 43/56 ( 2006.01 )  
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C07D 401/04 ( 2006.01 )  
A01N 43/653 ( 2006.01 )  
A01N 53/00 ( 2006.01 )  
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A61K 31/167 ( 2006.01 )  
A61K 9/00 ( 2006.01 )  
A61K 47/40 ( 2006.01 )  
A61P 27/02 ( 2006.01 )  
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A61G 5/02 ( 2006.01 )  
A61G 5/04 ( 2013.01 )  
A61G 7/018 ( 2006.01 )  
G06F 3/01 ( 2006.01 )  
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(54) DELIVERY DEVICE AND COATED NEEDLE OR CANNULA  
(51) Int. Cl.  
A61M 5/32 ( 2006.01 )  
A61M 5/158 ( 2006.01 )  
A61M 5/178 ( 2006.01 )  
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(51) Int. Cl.  
A61B 5/00 ( 2006.01 )  
G16H 10/60 ( 2018.01 )  
G16H 20/17 ( 2018.01 )  
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(54) DRUG DELIVERY SYSTEM, AND BARRIER APPARATUS AND PULL TAB THEREFOR  
(51) Int. Cl.  
A61M 5/50 ( 2006.01 )  
A61M 5/00 ( 2006.01 )  
A61M 5/31 ( 2006.01 )  
A61M 5/32 ( 2006.01 )  
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(54) MEMBRANE WITH GUIDE SURFACE  
(51) Int. Cl.  
A61M 5/32 ( 2006.01 )  
A61J 1/05 ( 2006.01 )  
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(54) BLOOD COLLECTION DEVICES, SYSTEMS, AND METHODS  
(51) Int. Cl.

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**(74)** FB Rice Pty Ltd
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PANY  
**(11)** AU-A-2021377790  
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**(54)** INTRODUCER NEEDLE HAVING A  
BUMP AND RELATED SYSTEMS AND  
METHODS  
**(51)** Int. Cl.  
**A61M 25/06** ( 2006.01 )  
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PANY  
**(11)** AU-A-2021379552  
**(21)** 2021379552 **(22)** 27.10.2021  
**(54)** CATHETER ASSEMBLY PLUG  
DEVICES, SYSTEMS, AND METHODS  
**(51)** Int. Cl.  
**A61M 25/06** ( 2006.01 )  
**(87)** WO2022/103580  
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PANY  
**(11)** AU-A-2021381928  
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**(54)** BLOOD COLLECTION DEVICES, SYS-  
TEMS, AND METHODS  
**(51)** Int. Cl.  
**A61B 5/15** ( 2006.01 )  
**A61B 5/154** ( 2006.01 )  
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PANY  
**(11)** AU-A-2021392603
- (21)** 2021392603 **(22)** 11.11.2021  
**(54)** MULTI STERILIZATION CHAMBER  
PACK  
**(51)** Int. Cl.  
**A61M 5/00** ( 2006.01 )  
**A61B 50/30** ( 2016.01 )  
**A61J 1/00** ( 2023.01 )  
**A61L 2/00** ( 2006.01 )  
**B65D 51/00** ( 2006.01 )  
**B65D 81/32** ( 2006.01 )  
**(87)** WO2022/119695  
**(31)** 63/120,988 **(32)** 03.12.20 **(33)** US  
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Marco Antonio  
**(74)** FB Rice Pty Ltd
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LOGY CO., LTD.  
**(11)** AU-A-2021376797  
**(21)** 2021376797 **(22)** 16.11.2021  
**(54)** RECOMBINANT ADENO-ASSOCI-  
ATED VIRUSES WITH ENHANCED  
LIVER TROPISM AND USES THERE-  
OF  
**(51)** Int. Cl.  
**C12N 15/35** ( 2006.01 )  
**A61K 48/00** ( 2006.01 )  
**A61P 11/00** ( 2006.01 )  
**C07K 14/015** ( 2006.01 )  
**C12N 15/864** ( 2006.01 )  
**(87)** WO2022/100748  
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**(72)** ZHANG, Tingting; WANG, Chao  
**(74)** Minter Ellison
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**(11)** AU-A-2021361341  
**(21)** 2021361341 **(22)** 15.10.2021  
**(54)** SYSTEM AND METHOD FOR MAN-  
AGING USE OF A PLURALITY OF ON-  
LINE GAMBLING SERVICES  
**(51)** Int. Cl.  
**G06Q 50/34** ( 2012.01 )  
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**(72)** BROGAN, Benjamin Allan  
**(74)** Murray Trento & Associates Pty Ltd
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- (71)** BESTSEAT 360 LIMITED  
**(11)** AU-A-2021357944  
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**(54)** A 360 MEDIA-STREAMING NET-  
WORK, CONTROLLER AND PRO-  
CESS  
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**(31)** 2020903630 **(32)** 07.10.20 **(33)** AU  
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John; MILNER, Fergus Hamilton; BAR-
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Thomas Judson  
**(74)** AJ PARK
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- (71)** BETT1.DE GMBH  
**(11)** AU-A-2021357846  
**(21)** 2021357846 **(22)** 08.10.2021  
**(54)** ADJUSTABLE BASE ELEMENT FOR  
FURNITURE FOR LYING ON, AND  
FURNITURE FOR LYING ON  
**(51)** Int. Cl.  
**A47C 20/04** ( 2006.01 )  
**A47C 20/08** ( 2006.01 )  
**A47C 27/05** ( 2006.01 )  
**A47C 27/06** ( 2006.01 )  
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**(31)** 20201189.6 **(32)** 09.10.20 **(33)** EP  
**(43)** 14.04.2022  
**(72)** SZPYT, Adam Roman  
**(74)** Spruson & Ferguson
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- (71)** BIAL - PORTELA & C<sup>a</sup>, S.A.  
**(11)** AU-A-2021360114  
**(21)** 2021360114 **(22)** 14.10.2021  
**(54)** OPICAPONE AND LEVODOPA FOR  
THE TREATMENT OF PARKINSON'S  
DISEASE  
**(51)** Int. Cl.  
**A61K 31/165** ( 2006.01 )  
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**A61K 31/4439** ( 2006.01 )  
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**A61P 25/16** ( 2006.01 )  
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**(43)** 21.04.2022  
**(72)** VIEIRA ARAÚJO SOARES DA SILVA,  
Patricio Manuel; DA COSTA DE PINHO  
ROCHA, José Francisco  
**(74)** AJ PARK
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- (71)** BIOCARTIS NV  
**(11)** AU-A-2021367997  
**(21)** 2021367997 **(22)** 29.10.2021  
**(54)** GENERIC CARTRIDGE AND METHOD  
FOR MULTIPLEX NUCLEIC ACID DE-  
TECTION  
**(51)** Int. Cl.  
**C12Q 1/6853** ( 2018.01 )  
**C12Q 1/6823** ( 2018.01 )  
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PIOFCZYK, Thomas  
**(74)** Collison & Co
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**(11)** AU-A-2021384062  
**(21)** 2021384062 **(22)** 18.11.2021  
**(54)** INFORMATION SECURITY SYSTEMS  
AND METHODS THEREOF  
**(51)** Int. Cl.  
**G06F 21/62** ( 2013.01 )  
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**(72)** SIMEC, Andrej; HOGBEN, Stephen  
 Robert; PURCELL, Patrick Charles  
**(74)** Alder IP Pty Ltd
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**(21)** 2021350035 **(22)** 24.09.2021  
**(54)** PROBIOTIC BACILLUS COMPOSITIONS AND METHODS OF USE  
**(51)** Int. Cl.  
**A23K 10/18** ( 2016.01 )  
**A61K 35/742** ( 2015.01 )  
**C12N 1/20** ( 2006.01 )  
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 KUMAR, Arvind; MANE, Shrinivasrao  
 Peerajirao; SUSANTI, Dwi; VOLLAND,  
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**(74)** FB Rice Pty Ltd
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**(11)** AU-A-2021377746  
**(21)** 2021377746 **(22)** 15.11.2021  
**(54)** PHARMACEUTICAL COMPOSITIONS  
 COMPRISING PARTICLES AND  
 MRNA AND METHODS FOR PREPAR-  
 ING AND STORING THE SAME  
**(51)** Int. Cl.  
**A61K 9/51** ( 2006.01 )  
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 HÖRNER, Sebastian; SYDYKOV, Bu-  
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**(74)** PHILLIPS ORMONDE FITZPATRICK
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**(21)** 2021364598 **(22)** 12.10.2021  
**(54)** SYSTEM AND METHOD FOR RAP-  
 ID MULTIPLEXED SAMPLE PRO-  
 CESSING WITH APPLICATIONS FOR  
 NUCLEIC ACID AMPLIFICATION AS-  
 SAYS  
**(51)** Int. Cl.  
**B01L 3/00** ( 2006.01 )  
**C12Q 1/6806** ( 2018.01 )  
**G01F 23/292** ( 2006.01 )  
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**(72)** HANDIQUE, Kalyan; LEBOSKY, Ron-  
 ald  
**(74)** Spruson & Ferguson
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**(11)** AU-A-2021354058  
**(21)** 2021354058 **(22)** 01.10.2021  
**(54)** SYSTEMS AND METHODS FOR MI-  
 CRO-CREDENTIAL ACCREDITATION  
**(51)** Int. Cl.  
**G06Q 10/06** ( 2023.01 )  
**G06F 40/10** ( 2020.01 )  
**G06Q 10/10** ( 2023.01 )  
**G06Q 50/20** ( 2012.01 )  
**G09B 3/06** ( 2006.01 )  
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**(72)** VERMA, Geeta  
**(74)** IP GATEWAY PATENT & TRADE  
 MARK ATTORNEYS PTY LTD
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**(11)** AU-A-2021351522  
**(21)** 2021351522 **(22)** 30.09.2021  
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 DOSAGE FORM  
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**A61K 9/28** ( 2006.01 )  
**A61J 3/07** ( 2006.01 )  
**A61J 3/10** ( 2006.01 )  
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**(74)** James & Wells Intellectual Property
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 REQUESTS  
**(51)** Int. Cl.  
**G06Q 10/06** ( 2023.01 )  
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**(74)** FB Rice Pty Ltd
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 TION  
**(11)** AU-A-2021372535  
**(21)** 2021372535 **(22)** 30.10.2021  
**(54)** PYRIMIDINE COMPOUNDS, COM-  
 POSITIONS, AND MEDICINAL AP-  
 PPLICATIONS THEREOF  
**(51)** Int. Cl.
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**A61K 31/506** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07D 403/14** ( 2006.01 )  
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 SAXTON, Tracy; RAJAGOPAL, Sridhar-  
 an; SADHU M, Naveen  
**(74)** Spruson & Ferguson
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 LIMITED  
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**(54)** ANTIMICROBIAL FACEMASK  
**(51)** Int. Cl.  
**A01N 59/20** ( 2006.01 )  
**A01N 25/30** ( 2006.01 )  
**A01N 25/34** ( 2006.01 )  
**A01N 33/02** ( 2006.01 )  
**A01N 33/12** ( 2006.01 )  
**A01N 37/02** ( 2006.01 )  
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**A01P 1/00** ( 2006.01 )  
**A41D 13/11** ( 2006.01 )  
**A41D 31/30** ( 2019.01 )  
**A61K 8/02** ( 2006.01 )  
**A61K 8/23** ( 2006.01 )  
**A61K 8/44** ( 2006.01 )  
**A61K 8/46** ( 2006.01 )  
**A61L 9/00** ( 2006.01 )  
**A61Q 17/00** ( 2006.01 )  
**A62B 23/02** ( 2006.01 )  
**B01D 39/00** ( 2006.01 )  
**(87)** WO2022/074384  
**(31)** 20200498.2 **(32)** 07.10.20 **(33)** EP  
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**(72)** GROS, Robert; WILKINSON, Mark;  
 WIGHT, Paul  
**(74)** FB Rice Pty Ltd
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**(54)** A METHOD OF APPLYING A FOIL ON  
 AN INCLINED ROOF STRUCTURE  
**(51)** Int. Cl.  
**A01G 9/14** ( 2006.01 )  
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 (54) FUSION PROTEIN USEFUL FOR VACCINATION AGAINST ROTAVIRUS  
 (51) Int. Cl.  
 C07K 14/005 ( 2006.01 )  
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 A61K 39/12 ( 2006.01 )  
 A61P 31/14 ( 2006.01 )  
 C07K 14/47 ( 2006.01 )  
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 (72) ANSTROM, David; PATTERSON, Abby, Rae; HAIWICK, Gregory, Brian; JOHNSON, Wesley, Scott; NICHOLSON, Bryon; VAUGHN, Eric, Martin  
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 (51) Int. Cl.  
 B63B 1/30 ( 2006.01 )  
 B63B 1/24 ( 2020.01 )  
 B63B 1/28 ( 2006.01 )  
 B63B 39/06 ( 2006.01 )  
 B63H 5/125 ( 2006.01 )  
 B63H 5/14 ( 2006.01 )  
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 (72) GIROUX, Francois; MERCIER, Daniel; JAZIRI, Chadley; CLOUTIER, Francis; LECOINTRE, Alexandre; LAPOINTE, Denys  
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 (54) PAIRING OF EXTERNAL COMMUNICATION DEVICES WITH AN IMPLANTABLE MEDICAL DEVICE VIA A PATIENT REMOTE CONTROLLER  
 (51) Int. Cl.  
 A61N 1/372 ( 2006.01 )  
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 (72) SHAH, Chirag; YOO, Peter  
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 (21) 2021355509 (22) 10.09.2021  
 (54) ADJUSTMENT OF ADVERTISING INTERVAL IN COMMUNICATIONS BETWEEN AN IMPLANTABLE MEDICAL DEVICE AND AN EXTERNAL DEVICE  
 (51) Int. Cl.  
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- (71) BOSTON SCIENTIFIC NEUROMODULATION CORPORATION  
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 (21) 2021355530 (22) 10.09.2021  
 (54) PROGRAMMING OF PAIRING AND MRI MODES IN AN IMPLANTABLE MEDICAL DEVICE SYSTEM  
 (51) Int. Cl.  
 A61N 1/37 ( 2006.01 )  
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 C08B 37/08 ( 2006.01 )  
 A61K 49/04 ( 2006.01 )  
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 (54) SYSTEM AND METHOD FOR MULTICHANNEL DETECTION AND MONITORING OF INTRACRANIAL PRESSURE, AND MULTI-CHANNEL DEVICE  
 (51) Int. Cl.  
 A61B 5/03 ( 2006.01 )  
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 (11) AU-A-2021399230  
 (21) 2021399230 (22) 29.10.2021  
 (54) IMPLANTABLE NEUROPHYSIOLOGY DEVICES  
 (51) Int. Cl.  
 A61N 1/36 ( 2006.01 )  
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 A61B 5/263 ( 2021.01 )  
 A61B 5/293 ( 2021.01 )  
 A61B 5/372 ( 2021.01 )  
 A61N 1/05 ( 2006.01 )  
 A61N 1/372 ( 2006.01 )  
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 (11) AU-A-2021373484  
 (21) 2021373484 (22) 04.11.2021  
 (54) FILTER CUP AND GRINDER  
 (51) Int. Cl.  
 A47J 31/06 ( 2006.01 )  
 A47J 31/42 ( 2006.01 )  
 A47J 31/44 ( 2006.01 )  
 A47J 42/08 ( 2006.01 )  
 H02P 23/00 ( 2016.01 )  
 H02P 27/08 ( 2006.01 )  
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 (74) GLMR
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 (11) AU-A-2021374933  
 (21) 2021374933 (22) 04.11.2021  
 (54) LIGHT-CURABLE ARTIFICIAL NAILS, METHODS OF PREPARATION AND METHODS OF USE THEREOF  
 (51) Int. Cl.  
 A45D 29/00 ( 2006.01 )  
 A45D 31/00 ( 2006.01 )  
 (87) WO2022/098883  
 (31) 63/110,218 (32) 05.11.20 (33) US  
 (43) 12.05.2022  
 (72) LOTTI, Sahara  
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- (71) BRISTOL-MYERS SQUIBB COMPANY; JANSSEN PHARMACEUTICA NV  
 (11) AU-A-2021360411  
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 (54) A PROCESS TOWARD THE MANUFACTURE OF



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**C07D 471/18** ( 2006.01 )  
**C07B 57/00** ( 2006.01 )  
**C07D 213/61** ( 2006.01 )  
**C07D 249/06** ( 2006.01 )
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- (74) AJ PARK
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- (71) BÜHLER AG  
(11) AU-A-2021371789  
(21) 2021371789 (22) 20.09.2021  
(54) METHOD FOR PRODUCING A PROTEIN MEAL FROM INSECTS, IN PARTICULAR FROM INSECT LARVAE AND INSECT PUPAE, OR FROM WORMS, AND DRYING APPARATUS FOR USE IN SUCH A METHOD
- (51) Int. Cl.  
**A23D 9/02** ( 2006.01 )  
**A23J 3/00** ( 2006.01 )  
**A23J 3/04** ( 2006.01 )  
**A23K 20/147** ( 2016.01 )  
**A23L 33/17** ( 2016.01 )  
**A61K 35/62** ( 2006.01 )  
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**F26B 3/092** ( 2006.01 )  
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(43) 05.05.2022
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- (74) Maxwells Patent & Trade Mark Attorneys Pty Ltd
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(21) 2021352848 (22) 22.09.2021  
(54) METHOD AND APPARATUS FOR OBTAINING BATTERY CAPACITY, STORAGE MEDIUM AND SERVER
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**G01R 31/387** ( 2019.01 )
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(31) 202011066177.3 (32) 30.09.20 (33) CN  
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- (72) LIAN, Yubo; LING, Heping; CHEN, Siliang; WANG, Zhengzheng; LI, Junzi
- (74) MINTER ELLISON
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(21) 2021360596 (22) 14.10.2021  
(54) TRICYCLIC COMPOUNDS TO DEGRADE NEOSUBSTRATES FOR MEDICAL THERAPY
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**A61K 31/403** ( 2006.01 )  
**C07D 209/92** ( 2006.01 )  
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- (72) NASVESCHUK, Christopher, G.; ANDERSON, Corey, Don; HENDERSON, James, A.; GARZA, Victoria; LIANG, Yanke; MOUSTAKIM, Moses; O'SHEA, Morgan, Welzel
- (74) Davies Collison Cave Pty Ltd
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- (71) C4 THERAPEUTICS, INC.  
(11) AU-A-2021361043  
(21) 2021361043 (22) 14.10.2021  
(54) TRICYCLIC LIGANDS FOR DEGRADATION OF IKZF2 OR IKZF4
- (51) Int. Cl.  
**A61K 31/454** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07D 401/04** ( 2006.01 )
- (87) WO2022/081925  
(31) 63/091,875 (32) 14.10.20 (33) US  
(43) 21.04.2022
- (72) NASVESCHUK, Christopher, G.; HENDERSON, James, A.; MOUSTAKIM, Moses; GOOD, Andrew, Charles; PROIA, David
- (74) Davies Collison Cave Pty Ltd
- 
- (71) C4 THERAPEUTICS, INC.  
(11) AU-A-2021361044  
(21) 2021361044 (22) 14.10.2021  
(54) TRICYCLIC HETEROBIFUNCTIONAL COMPOUNDS FOR DEGRADATION OF TARGETED PROTEINS
- (51) Int. Cl.  
**A61K 31/403** ( 2006.01 )  
**A61K 31/4545** ( 2006.01 )  
**C07D 401/04** ( 2006.01 )
- (87) WO2022/081928  
(31) 63/091,897 (32) 14.10.20 (33) US
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- (43) 21.04.2022
- (72) NASVESCHUK, Christopher, G.; ANDERSON, Corey, Don; HENDERSON, James, A.; GARZA, Victoria; LIANG, Yanke; MOUSTAKIM, Moses; JACKSON, Katrina, L.; DUPLESSIS, Martin
- (74) Davies Collison Cave Pty Ltd
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- (71) CALIFORNIA INNOVATIONS INC.  
(11) AU-A-2020471975  
(21) 2020471975 (22) 14.10.2020  
(54) SOFT-SIDED CONTAINER WITH HANGING SUSPENSION
- (51) Int. Cl.  
**A45C 3/00** ( 2006.01 )  
**A45C 9/00** ( 2006.01 )  
**A45C 13/00** ( 2006.01 )  
**A45C 13/03** ( 2006.01 )  
**B65D 30/00** ( 2006.01 )  
**B65D 33/14** ( 2006.01 )
- (87) WO2022/077088  
(43) 21.04.2022
- (72) RODGERS, Rebecca; MOGIL, Melvin S.; WU, Jingchao
- (74) Spruson & Ferguson
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- (71) CALYXT, INC.  
(11) AU-A-2021357832  
(21) 2021357832 (22) 07.10.2021  
(54) GRAFTED PLANT FOR DELIVERY OF GENOME EDITING REAGENTS
- (51) Int. Cl.  
**C12N 15/82** ( 2006.01 )
- (87) WO2022/076699  
(31) 63/088,800 (32) 07.10.20 (33) US  
(43) 14.04.2022
- (72) BUTLER, Nathaniel
- (74) Griffith Hack
- 
- (71) CALYXT, INC.  
(11) AU-A-2021358526  
(21) 2021358526 (22) 07.10.2021  
(54) DELIVERY OF GENOME EDITING REAGENTS VIA CHIMERIC PLANTS
- (51) Int. Cl.  
**C12N 15/09** ( 2006.01 )  
**A01H 1/00** ( 2006.01 )  
**C12N 5/04** ( 2006.01 )  
**C12N 5/10** ( 2006.01 )  
**C12N 15/11** ( 2006.01 )  
**C12N 15/63** ( 2006.01 )  
**C12N 15/82** ( 2006.01 )
- (87) WO2022/076695  
(31) 63/088,790 (32) 07.10.20 (33) US  
(43) 14.04.2022
- (72) BUTLER, Nathaniel
- (74) Griffith Hack
- 
- (71) CAPITAL ONE SERVICES, LLC  
(11) AU-A-2021367858  
(21) 2021367858 (22) 05.10.2021  
(54) CALL CENTER WEB-BASED AUTHENTICATION USING A CONTACTLESS CARD
- (51) Int. Cl.  
**H04L 9/08** ( 2006.01 )  
**G06F 16/955** ( 2019.01 )

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*H04L 9/32* ( 2006.01 )  
*H04L 67/02* ( 2022.01 )  
*H04M 1/724* ( 2021.01 )  
*H04M 7/00* ( 2006.01 )  
**(87)** WO2022/093496  
**(31)** 17/085,768 **(32)** 30.10.20 **(33)** US  
**(43)** 05.05.2022  
**(72)** RULE, Jeffrey; ILINCIC, Rajko  
**(74)** GLMR

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**(71)** CAPITAL ONE SERVICES, LLC  
**(11)** AU-A-2021368120  
**(21)** 2021368120 **(22)** 29.10.2021  
**(54)** SECURE VERIFICATION OF MEDICAL STATUS USING A CONTACTLESS CARD  
**(51)** Int. Cl.  
*H04L 9/40* ( 2022.01 )  
*H04L 9/08* ( 2006.01 )  
*H04L 9/32* ( 2006.01 )  
*H04W 12/02* ( 2009.01 )  
*H04W 12/108* ( 2021.01 )  
*H04W 12/47* ( 2021.01 )  
**(87)** WO2022/094187  
**(31)** 17/086,029 **(32)** 30.10.20 **(33)** US  
**(43)** 05.05.2022  
**(72)** OSBORN, Kevin; RULE, Jeffrey  
**(74)** GLMR

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**(71)** CAPITAL ONE SERVICES, LLC  
**(11)** AU-A-2021373566  
**(21)** 2021373566 **(22)** 18.10.2021  
**(54)** WEB-BASED ACTIVATION OF CONTACTLESS CARDS  
**(51)** Int. Cl.  
*G06Q 20/34* ( 2012.01 )  
**(87)** WO2022/098494  
**(31)** 17/088,399 **(32)** 03.11.20 **(33)** US  
**(43)** 12.05.2022  
**(72)** RULE, Jeffrey; LUTZ, Wayne  
**(74)** GLMR

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**(71)** CAPITAL ONE SERVICES, LLC  
**(11)** AU-A-2021373632  
**(21)** 2021373632 **(22)** 03.11.2021  
**(54)** COMPUTER-BASED SYSTEMS CONFIGURED TO PROVIDE MULTIMODAL ATM ACCESS VIA MOBILE DEVICES AND METHODS OF USE THEREOF  
**(51)** Int. Cl.  
*G06F 21/31* ( 2013.01 )  
*G06Q 20/22* ( 2012.01 )  
*G06Q 20/38* ( 2012.01 )  
*G06Q 20/40* ( 2012.01 )  
**(87)** WO2022/098769  
**(31)** 17/088,230 **(32)** 03.11.20 **(33)** US  
**(43)** 12.05.2022  
**(72)** RODRIGUEZ, Elisa-Michelle; OSBORN, Kevin; GULATI, Latika  
**(74)** Pizzey's Patent and Trade Mark Attorneys Pty Ltd

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**(71)** CAPITAL ONE SERVICES, LLC  
**(11)** AU-A-2021381503  
**(21)** 2021381503 **(22)** 12.11.2021  
**(54)** MEDIUM FOR TEMPORARY ACCOUNT ACCESS

**(51)** Int. Cl.  
*G06Q 20/34* ( 2012.01 )  
*G06Q 20/40* ( 2012.01 )  
*G07F 7/08* ( 2006.01 )  
**(87)** WO2022/109529  
**(31)** 16/950,058 **(32)** 17.11.20 **(33)** US  
**(43)** 27.05.2022  
**(72)** ADCKOCK, Lee; FARHADY GHALATY, Nahid; PHAM, Vincent; CAMENARES, Christopher  
**(74)** Murray Trento & Associates Pty Ltd

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**(71)** CARABALL UGARTE, J.A.; GUZMÁN BLANCO, E.  
**(11)** AU-A-2020470809  
**(21)** 2020470809 **(22)** 02.10.2020  
**(54)** SYSTEM FOR WASHING BIOLOGICAL WASTE TO RECOVER SAME AS SOLID BIOFUEL  
**(51)** Int. Cl.  
*A01C 3/00* ( 2006.01 )  
*B01J 19/00* ( 2006.01 )  
*B09B 3/00* ( 2022.01 )  
*C02F 3/12* ( 2023.01 )  
*C02F 3/20* ( 2023.01 )  
*C02F 11/00* ( 2006.01 )  
*C02F 11/02* ( 2006.01 )  
*C02F 11/06* ( 2006.01 )  
*C05F 3/00* ( 2006.01 )  
*C05F 3/02* ( 2006.01 )  
*C05F 3/06* ( 2006.01 )  
*C10L 5/02* ( 2006.01 )

**(87)** WO2022/067450  
**(43)** 07.04.2022  
**(72)** CARABALL UGARTE, José Antonio  
**(74)** José CARABALL UGARTE

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**(71)** CARBIOS  
**(11)** AU-A-2021367905  
**(21)** 2021367905 **(22)** 27.10.2021  
**(54)** NOVEL ESTERASES AND USES THEREOF  
**(51)** Int. Cl.  
*C12N 9/18* ( 2006.01 )  
*C08J 11/10* ( 2006.01 )  
*C12N 15/52* ( 2006.01 )  
**(87)** WO2022/090293  
**(31)** 20306284.9 **(32)** 27.10.20 **(33)** EP  
**(43)** 05.05.2022  
**(72)** TOURNIER, Vincent  
**(74)** Spruson & Ferguson

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**(71)** CARBIOS  
**(11)** AU-A-2021370362  
**(21)** 2021370362 **(22)** 27.10.2021  
**(54)** NOVEL ESTERASES AND USES THEREOF  
**(51)** Int. Cl.  
*C12N 9/18* ( 2006.01 )  
*C08J 11/10* ( 2006.01 )  
*C12N 15/52* ( 2006.01 )  
**(87)** WO2022/090289  
**(31)** 20306285.6 **(32)** 27.10.20 **(33)** EP  
**(43)** 05.05.2022  
**(72)** TOURNIER, Vincent  
**(74)** Spruson & Ferguson

**(71)** CARBON TECHNOLOGY HOLDINGS, LLC  
**(11)** AU-A-2021347368  
**(21)** 2021347368 **(22)** 25.09.2021  
**(54)** BIO-REDUCTION OF METAL ORES INTEGRATED WITH BIOMASS PYROLYSIS  
**(51)** Int. Cl.  
*C22B 1/245* ( 2006.01 )  
*C22B 5/10* ( 2006.01 )  
*C22B 5/12* ( 2006.01 )  
**(87)** WO2022/067134  
**(31)** 63/083,223 **(32)** 25.09.20 **(33)** US  
**(43)** 31.03.2022  
**(72)** MENNELL, James, A.; DAUGAARD, Daren; SLACK, Dustin  
**(74)** Spruson & Ferguson

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**(71)** CARBON TECHNOLOGY HOLDINGS, LLC  
**(11)** AU-A-2021350108  
**(21)** 2021350108 **(22)** 25.09.2021  
**(54)** BIO-REDUCTION OF METAL ORES INTEGRATED WITH BIOMASS PYROLYSIS  
**(51)** Int. Cl.  
*C21B 13/00* ( 2006.01 )  
*C10L 5/00* ( 2006.01 )  
*C10L 5/44* ( 2006.01 )  
**(87)** WO2022/067137  
**(31)** 63/083,223 **(32)** 25.09.20 **(33)** US  
**(43)** 31.03.2022  
**(72)** MENNELL, James, A.; DAUGAARD, Daren; SLACK, Dustin  
**(74)** Spruson & Ferguson

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**(71)** CARBON TECHNOLOGY HOLDINGS, LLC  
**(11)** AU-A-2021350836  
**(21)** 2021350836 **(22)** 25.09.2021  
**(54)** BIO-REDUCTION OF METAL ORES INTEGRATED WITH BIOMASS PYROLYSIS  
**(51)** Int. Cl.  
*C22B 1/245* ( 2006.01 )  
*C22B 5/10* ( 2006.01 )  
*C22B 5/12* ( 2006.01 )  
**(87)** WO2022/067135  
**(31)** 63/083,223 **(32)** 25.09.20 **(33)** US  
**(43)** 31.03.2022  
**(72)** MENNELL, James, A.; DAUGAARD, Daren; SLACK, Dustin  
**(74)** Spruson & Ferguson

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**(71)** CARDIOLOGS TECHNOLOGIES SAS  
**(11)** AU-A-2021351233  
**(21)** 2021351233 **(22)** 29.09.2021  
**(54)** ELECTROCARDIOGRAM PROCESSING SYSTEM FOR DETECTING AND/OR PREDICTING CARDIAC EVENTS  
**(51)** Int. Cl.  
*A61B 5/024* ( 2006.01 )  
*A61B 5/00* ( 2006.01 )  
*A61B 5/28* ( 2021.01 )  
*A61B 5/318* ( 2021.01 )  
*A61B 5/349* ( 2021.01 )  
*A61B 5/361* ( 2021.01 )  
*G16H 50/20* ( 2018.01 )

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- G16H 50/30** ( 2018.01 )  
**(87)** WO2022/070109  
**(31)** 63/085,827 **(32)** 30.09.20 **(33)** US  
 20306567.7 15.12.20 EP  
 63/226,117 27.07.21 US  
**(43)** 07.04.2022  
**(72)** DE SAINT VICTOR, Marie-Albane;  
 EVAIN, Helene; DELEFORGE, Aure-  
 lie; FOUCAULT, Armand; HAJJI, Wadii;  
 CALDAS, Jeremy; BARRE, Benjamin;  
 ZIMMERMAN, Gautier; FLEUREAU,  
 Yann; CAMPO, Baptiste Rios; SCA-  
 BELLONE, Chiara; BODROVA, Ana-  
 stasiya; LAVERSIN, Johanna  
**(74)** FB Rice Pty Ltd
- 
- (71)** CARDURION PHARMACEUTICALS,  
 INC.  
**(11)** AU-A-2021350015  
**(21)** 2021350015 **(22)** 24.09.2021  
**(54)** FUSED HETEROARYL COMPOUNDS  
 AND THEIR USE AS CAMKII INHIBIT-  
 ORS  
**(51)** Int. Cl.  
**A61K 31/41** ( 2006.01 )  
**A61K 31/4192** ( 2006.01 )  
**A61K 31/495** ( 2006.01 )  
**C07D 257/04** ( 2006.01 )  
**C07D 257/10** ( 2006.01 )  
**C07D 403/14** ( 2006.01 )  
**(87)** WO2022/067082  
**(31)** 63/084,217 **(32)** 28.09.20 **(33)** US  
**(43)** 31.03.2022  
**(72)** MATSUNAGA, Nobuyuki; SHIRAI, Jun-  
 ya; OKAWA, Tomohiro; MIYAMOTO,  
 Yasufumi; SHIOKAWA, Zenyu; NA-  
 KAHATA, Takashi; SHIBUYA, Akito;  
 KAWADA, Akira; MACCOSS, Malcolm  
**(74)** Spruson & Ferguson
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- (71)** CARDURION PHARMACEUTICALS,  
 INC.; VANDERBILT UNIVERSITY  
**(11)** AU-A-2021370658  
**(21)** 2021370658 **(22)** 26.10.2021  
**(54)** PDE9 INHIBITORS FOR TREATING  
 CARDIAC FAILURE  
**(51)** Int. Cl.  
**A61K 31/4985** ( 2006.01 )  
**A61K 31/505** ( 2006.01 )  
**A61P 9/00** ( 2006.01 )  
**C07D 487/02** ( 2006.01 )  
**C07D 487/04** ( 2006.01 )  
**(87)** WO2022/093852  
**(31)** 63/106,301 **(32)** 27.10.20 **(33)** US  
**(43)** 05.05.2022  
**(72)** BALLAL, Rahul Dilip; MACIEL, Thi-  
 ago Trovati; GUPTA, Deepak; WANG,  
 Thomas  
**(74)** FPA Patent Attorneys Pty Ltd
- 
- (71)** CAREFUSION 2200, INC.  
**(11)** AU-A-2021361131  
**(21)** 2021361131 **(22)** 15.10.2021  
**(54)** LAVAGE SYSTEMS AND DEVICES  
 HAVING A VENTING COMPONENT  
**(51)** Int. Cl.  
**A61M 3/02** ( 2006.01 )  
**(87)** WO2022/082043  
**(31)** 63/092,235 **(32)** 15.10.20 **(33)** US
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- 17/501,768 14.10.21 US  
**(43)** 21.04.2022  
**(72)** MCGINLEY, Christopher; KRUEGER,  
 John; MASHIATULLA, Maleeha; ZIM-  
 BLER, Daniel; THURMOND, Bruce;  
 PEREZ, Katya; PLISHKA, Michael  
**(74)** Davies Collison Cave Pty Ltd
- 
- (71)** CAREFUSION 303, INC.  
**(11)** AU-A-2021378782  
**(21)** 2021378782 **(22)** 08.11.2021  
**(54)** SPIGOT TUBE COUPLER WITH  
 BONDING AGENT GROOVE  
**(51)** Int. Cl.  
**A61M 39/10** ( 2006.01 )  
**A61M 25/00** ( 2006.01 )  
**A61M 39/12** ( 2006.01 )  
**(87)** WO2022/103695  
**(31)** 63/112,042 **(32)** 10.11.20 **(33)** US  
 17/482,757 23.09.21 US  
**(43)** 19.05.2022  
**(72)** FEITH, Raymond P.; KIPP, Randy;  
 PARK, Soon Y.; SHEVGOOR, Siddarth  
 K.  
**(74)** FB Rice Pty Ltd
- 
- (71)** CAREFUSION 303, INC.  
**(11)** AU-A-2021385273  
**(21)** 2021385273 **(22)** 15.11.2021  
**(54)** INTRAVENOUS TUBE UNTANGLING  
 DEVICE  
**(51)** Int. Cl.  
**A61M 5/14** ( 2006.01 )  
**A61M 39/08** ( 2006.01 )  
**(87)** WO2022/115266  
**(31)** 17/103,476 **(32)** 24.11.20 **(33)** US  
**(43)** 02.06.2022  
**(72)** LAU, Choi Ting  
**(74)** FB Rice Pty Ltd
- 
- (71)** CAREFUSION 303, INC.  
**(11)** AU-A-2021385508  
**(21)** 2021385508 **(22)** 09.11.2021  
**(54)** MEDICAL DEVICES FOR ANTI-  
 BUBBLE MEDICATION DELIVERY  
**(51)** Int. Cl.  
**A61M 39/08** ( 2006.01 )  
**(87)** WO2022/115235  
**(31)** 17/103,459 **(32)** 24.11.20 **(33)** US  
**(43)** 02.06.2022  
**(72)** TRAINER, Lawrence J.; SEVINC,  
 Zehra; BOGGAVARAPU, Sajiv  
**(74)** FB Rice Pty Ltd
- 
- (71)** CARGILL, INCORPORATED  
**(11)** AU-A-2021372984  
**(21)** 2021372984 **(22)** 05.11.2021  
**(54)** A LIPID COMPOSITION FOR BAKERY  
 PRODUCTS  
**(51)** Int. Cl.  
**A23D 7/005** ( 2006.01 )  
**A21D 2/16** ( 2006.01 )  
**A21D 13/16** ( 2017.01 )  
**A23D 7/01** ( 2006.01 )  
**(87)** WO2022/098959  
**(31)** 202011239395.2 **(32)** 09.11.20 **(33)** CN
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- (43)** 12.05.2022  
**(72)** CHANG, Guifang; CHEN, Ping; DING,  
 Saiyan  
**(74)** Spruson & Ferguson
- 
- (71)** CARGILL, INCORPORATED  
**(11)** AU-A-2021374950  
**(21)** 2021374950 **(22)** 05.11.2021  
**(54)** A LIPID COMPOSITION FOR BAKERY  
 PRODUCTS  
**(51)** Int. Cl.  
**A23D 7/01** ( 2006.01 )  
**A21D 13/16** ( 2017.01 )  
**A23D 7/005** ( 2006.01 )  
**A23D 7/02** ( 2006.01 )  
**(87)** WO2022/098968  
**(31)** 202011238465.2 **(32)** 09.11.20 **(33)** CN  
**(43)** 12.05.2022  
**(72)** CHANG, Guifang; CHEN, Ping; DING,  
 Saiyan  
**(74)** Pizzeys Patent and Trade Mark Attor-  
 neys Pty Ltd
- 
- (71)** CATERPILLAR INC.  
**(11)** AU-A-2021369215  
**(21)** 2021369215 **(22)** 04.10.2021  
**(54)** UNDERCARRIAGE WEAR PREDIC-  
 TION USING MACHINE LEARNING  
 MODEL  
**(51)** Int. Cl.  
**G01M 13/00** ( 2019.01 )  
**G01M 17/00** ( 2006.01 )  
**G05B 23/02** ( 2006.01 )  
**G06N 3/08** ( 2023.01 )  
**G07C 5/08** ( 2006.01 )  
**(87)** WO2022/093484  
**(31)** 16/949,448 **(32)** 29.10.20 **(33)** US  
**(43)** 05.05.2022  
**(72)** ZHANG, Li; JOHANNSEN, Eric J.;  
 ZHANG, Yanchai; HU, Xuefei; HOYT,  
 Daniel W.  
**(74)** Patent Attorney Services
- 
- (71)** CATERPILLAR INC.  
**(11)** AU-A-2021369317  
**(21)** 2021369317 **(22)** 05.10.2021  
**(54)** MODE SELECTION FOR AN OPERAT-  
 OR CONTROL  
**(51)** Int. Cl.  
**E02F 9/20** ( 2006.01 )  
**E02F 3/32** ( 2006.01 )  
**E02F 3/42** ( 2006.01 )  
**E02F 3/43** ( 2006.01 )  
**E02F 9/22** ( 2006.01 )  
**E02F 9/26** ( 2006.01 )  
**G05G 9/047** ( 2006.01 )  
**(87)** WO2022/093494  
**(31)** 17/086,128 **(32)** 30.10.20 **(33)** US  
**(43)** 05.05.2022  
**(72)** KUSHNER, Jeremy; ELLIOTT, Chris-  
 topher M.; SMITH, Sage F.  
**(74)** FPA Patent Attorneys Pty Ltd
- 
- (71)** CATERPILLAR INC.  
**(11)** AU-A-2021369323  
**(21)** 2021369323 **(22)** 12.10.2021

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

(54) WEAR AND LOSS DETECTION SYSTEM AND METHOD USING BUCKET-TOOL TEMPLATES  
 (51) Int. Cl.  
*G06T 7/00* ( 2017.01 )  
*E02F 9/26* ( 2006.01 )  
 (87) WO2022/093524  
 (31) 17086,117 (32) 30.10.20 (33) US  
 (43) 05.05.2022  
 (72) RAM, Shastri; PETRANY, Peter, Joseph  
 (74) FPA Patent Attorneys Pty Ltd

(71) CATERPILLAR INC.  
 (11) AU-A-2021369498  
 (21) 2021369498 (22) 27.10.2021  
 (54) ROLLER FRAME ASSEMBLY IN GROUND-ENGAGING TRACK SYSTEM HAVING ANTI-BACKBENDING ROLLERS AND METHOD  
 (51) Int. Cl.  
*B62D 55/14* ( 2006.01 )  
*B62D 55/15* ( 2006.01 )  
*B62D 55/30* ( 2006.01 )  
 (87) WO2022/093880  
 (31) 17/084,162 (32) 29.10.20 (33) US  
 (43) 05.05.2022  
 (72) SUANNO, Gennaro; ABELLO, Benoit; DARGES, Michael James  
 (74) FPA Patent Attorneys Pty Ltd

(71) CATERPILLAR INC.  
 (11) AU-A-2021370458  
 (21) 2021370458 (22) 06.10.2021  
 (54) UNDERCARRIAGE WEAR PREDICTION BASED ON MACHINE VIBRATION DATA  
 (51) Int. Cl.  
*G01M 7/02* ( 2006.01 )  
*B62D 55/32* ( 2006.01 )  
*G01M 13/028* ( 2019.01 )  
*G01M 13/045* ( 2019.01 )  
*G01M 15/12* ( 2006.01 )  
 (87) WO2022/093503  
 (31) 16/949,450 (32) 29.10.20 (33) US  
 (43) 05.05.2022  
 (72) ZHANG, Li; XU, Yingbiao  
 (74) FPA Patent Attorneys Pty Ltd

(71) CATERPILLAR INC.  
 (11) AU-A-2021370868  
 (21) 2021370868 (22) 04.10.2021  
 (54) COORDINATED ACTUATOR CONTROL BY AN OPERATOR CONTROL  
 (51) Int. Cl.  
*E02F 9/20* ( 2006.01 )  
*E02F 3/32* ( 2006.01 )  
*E02F 3/42* ( 2006.01 )  
*E02F 3/43* ( 2006.01 )  
*E02F 9/22* ( 2006.01 )  
*E02F 9/26* ( 2006.01 )  
*G05G 9/04* ( 2006.01 )  
 (87) WO2022/093485  
 (31) 17/086,126 (32) 30.10.20 (33) US  
 (43) 05.05.2022  
 (72) KUSHNER, Jeremy  
 (74) FPA Patent Attorneys Pty Ltd

(71) CATERPILLAR INC.  
 (11) AU-A-2021370870  
 (21) 2021370870 (22) 05.10.2021  
 (54) REDUCED MATERIAL HYDRAULIC MINING SHOVEL TRACK PAD  
 (51) Int. Cl.  
*B62D 55/21* ( 2006.01 )  
 (87) WO2022/093495  
 (31) 17/085,294 (32) 30.10.20 (33) US  
 (43) 05.05.2022  
 (72) JONES, Benjamin I.  
 (74) FPA Patent Attorneys Pty Ltd

(71) CATERPILLAR INC.  
 (11) AU-A-2021370876  
 (21) 2021370876 (22) 12.10.2021  
 (54) GROUND ENGAGING TOOL WEAR AND LOSS DETECTION SYSTEM AND METHOD  
 (51) Int. Cl.  
*E02F 9/26* ( 2006.01 )  
*E02F 9/24* ( 2006.01 )  
*E02F 9/28* ( 2006.01 )  
 (87) WO2022/093525  
 (31) 17/086,081 (32) 30.10.20 (33) US  
 (43) 05.05.2022  
 (72) PETRANY, Peter Joseph; RAM, Shastri  
 (74) FPA Patent Attorneys Pty Ltd

(71) CAUSEWAY THERAPEUTICS LIMITED  
 (11) AU-A-2021365394  
 (21) 2021365394 (22) 25.10.2021  
 (54) MICRORNA-29 COMPOUNDS, COMPOSITIONS AND USES IN THERAPY  
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*C12N 15/113* ( 2010.01 )  
*A61K 31/713* ( 2006.01 )  
*A61P 19/00* ( 2006.01 )  
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*E21B 33/043* ( 2006.01 )  
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 (11) AU-A-2021348500  
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*H04W 4/80* ( 2018.01 )  
*G07C 1/20* ( 2006.01 )  
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 (74) FPA Patent Attorneys Pty Ltd

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 (51) Int. Cl.  
*C12N 5/071* ( 2010.01 )  
*C12Q 1/02* ( 2006.01 )  
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 (74) FPA Patent Attorneys Pty Ltd

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 (51) Int. Cl.  
*A47C 27/00* ( 2006.01 )  
*A47C 21/00* ( 2006.01 )  
*A47C 21/04* ( 2006.01 )  
*A47C 27/08* ( 2006.01 )  
*A47C 27/12* ( 2006.01 )  
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 (72) CHAMBERS, George Allen  
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 (21) 2021382954 (22) 29.09.2021  
 (54) PHARMACEUTICAL COMPOSITION, PHARMACEUTICAL COMBINED FORMULATION, AND COMBINED FORMULATION KIT FOR PREVENTION OR TREATMENT OF CHRONIC HEPATITIS B, EACH COMPRISING, AS ACTIVE INGREDIENT, ORAL ANTIVIRAL AGENT AND THERAPEUTIC VACCINE INCLUDING LIPOPEPTIDE AND POLY(I:C) ADJUVANT  
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 GMBH & CO. KG  
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**(54)** LIQUID CLEANING AGENT CONCENTRATE, READY-TO-USE SOLUTION, USES THEREOF AND CLEANING METHODS  
**(51)** Int. Cl.  
**C11D 1/83** ( 2006.01 )  
**A61L 2/00** ( 2006.01 )  
**C11D 1/10** ( 2006.01 )  
**C11D 1/72** ( 2006.01 )  
**C11D 3/00** ( 2006.01 )  
**C11D 3/386** ( 2006.01 )  
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**(54)** PSEUDOTYPED PARTICLES, MODIFIED CELLS, RELATED COMPOSITIONS, AND RELATED METHODS  
**(51)** Int. Cl.  
**C12N 15/86** ( 2006.01 )  
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**(74)** Churchill Attorneys
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**(54)** INDUSTRIAL PROCESS SOFT-MEASUREMENT METHOD BASED ON FEDERATED INCREMENTAL STOCHASTIC CONFIGURATION NETWORK  
**(51)** Int. Cl.  
**G06F 30/20** ( 2020.01 )  
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**(74)** Madderns Pty Ltd
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**(54)** IMMUNE COMPOSITION COMPRISING ANTIGEN AND GLYCOENGINEERED ANTIBODY THEREOF  
**(51)** Int. Cl.  
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**A61P 31/14** ( 2006.01 )  
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**(54)** ANTIBODY FOR ENRICHMENT OF CELLS  
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**C12N 1/18** ( 2006.01 )  
**C12P 21/02** ( 2006.01 )  
**C12R 1/865** ( 2006.01 )  
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**(11)** AU-A-2021384593  
**(21)** 2021384593 **(22)** 19.11.2021  
**(54)** MICROORGANISM HAVING ENHANCED L-GLUTAMINE PRODUCING ABILITY, AND L-GLUTAMINE PRODUCING METHOD USING SAME  
**(51)** Int. Cl.  
**C12N 15/77** ( 2006.01 )  
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**(54)** PROTEIN COMPOSITIONS AND CONSUMABLE PRODUCTS THEREOF  
**(51)** Int. Cl.  
**A23J 1/00** ( 2006.01 )  
**A21D 2/26** ( 2006.01 )  
**A23J 3/20** ( 2006.01 )  
**A23L 15/00** ( 2016.01 )  
**A23L 33/195** ( 2016.01 )  
**C07K 14/465** ( 2006.01 )  
**C07K 14/77** ( 2006.01 )  
**C12N 15/81** ( 2006.01 )  
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 (54) PROCESS FOR THE PRODUCTION OF A FILAMENTOUS FUNGUS WHOLE BROTH ENZYME COMPOSITION WITH LOW VISCOSITY  
 (51) Int. Cl.  
**C12P 21/00** ( 2006.01 )  
**C12P 19/02** ( 2006.01 )  
**C12P 19/12** ( 2006.01 )  
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- (71) CLEARWELL ENERGY HOLDINGS LIMITED  
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 (21) 2021404385 (22) 14.12.2021  
 (54) METHOD, SYSTEM AND SIGNAL GENERATOR FOR TREATING A DEVICE TO RESIST FORMATION AND BUILD-UP OF SCALE DEPOSITS  
 (51) Int. Cl.  
**B08B 7/02** ( 2006.01 )  
**B08B 17/02** ( 2006.01 )  
**E21B 37/08** ( 2006.01 )  
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**A61K 31/702** ( 2006.01 )  
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- (71) COLGATE-PALMOLIVE COMPANY  
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 (54) FILMS AND ORAL CARE COMPOSITIONS COMPRISING SAME  
 (51) Int. Cl.  
**A61K 8/02** ( 2006.01 )  
**A61K 8/19** ( 2006.01 )  
**A61K 8/24** ( 2006.01 )  
**A61K 8/73** ( 2006.01 )  
**A61Q 11/00** ( 2006.01 )  
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 (54) PERSONAL CARE SYSTEM AND METHOD  
 (51) Int. Cl.  
**A61C 17/34** ( 2006.01 )  
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**A61C 17/22** ( 2006.01 )  
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 (51) Int. Cl.  
**A61K 8/25** ( 2006.01 )  
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**A61Q 11/00** ( 2006.01 )  
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**A46B 15/00** ( 2006.01 )  
**A61C 17/22** ( 2006.01 )  
**G16H 15/00** ( 2018.01 )  
**G16H 40/63** ( 2018.01 )
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 (51) Int. Cl.  
**A61K 8/04** ( 2006.01 )  
**A61K 8/86** ( 2006.01 )  
**A61P 1/02** ( 2006.01 )  
**A61Q 11/00** ( 2006.01 )  
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 (54) METHOD FOR OUTDOOR INSTALLATION OF AN ARRAY OF SOLAR CONVERTERS, AND CARRIAGE USED IN THE METHOD  
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**B60P 1/00** ( 2006.01 )  
**B60P 3/00** ( 2006.01 )  
**F24S 25/12** ( 2018.01 )  
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**G06K 19/077** ( 2006.01 )  
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- (71) CONOCOPHILLIPS COMPANY  
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 (51) Int. Cl.  
*B08B 3/08* (2006.01)  
*C23F 11/14* (2006.01)  
*C23F 11/16* (2006.01)
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 (72) LOCKLEAR, Jay; COPE, David  
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 (11) AU-A-2021358924  
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 (51) Int. Cl.  
*C23F 11/00* (2006.01)  
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*C23G 5/024* (2006.01)
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 (54) CONCRETE ADMIXTURE  
 (51) Int. Cl.  
*C04B 24/18* (2006.01)  
*C04B 24/06* (2006.01)  
*C04B 24/26* (2006.01)  
*C04B 28/02* (2006.01)  
*C04B 28/08* (2006.01)
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 (51) Int. Cl.  
*A61B 5/00* (2006.01)  
*A61B 5/08* (2006.01)  
*A61B 5/087* (2006.01)  
*G01N 29/024* (2006.01)  
*G01N 33/00* (2006.01)  
*G01N 33/497* (2006.01)  
*G10L 25/00* (2013.01)
- (87) WO2022/107091  
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 (54) MODULAR AUGMENT  
 (51) Int. Cl.  
*A61F 2/30* (2006.01)  
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 (51) Int. Cl.  
*A61K 39/395* (2006.01)  
*A61K 47/64* (2017.01)  
*A61K 47/66* (2017.01)  
*A61K 47/68* (2017.01)  
*A61K 51/08* (2006.01)  
*A61K 51/10* (2006.01)  
*C07K 16/18* (2006.01)  
*C07K 16/28* (2006.01)
- (87) WO2022/072293  
 (31) 63/086,216 (32) 01.10.20 (33) US  
 (43) 07.04.2022  
 (72) BANDER, Neil H.  
 (74) PHILLIPS ORMONDE FITZPATRICK
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- (71) CORNELL UNIVERSITY  
 (11) AU-A-2021352915  
 (21) 2021352915 (22) 28.09.2021  
 (54) METHODS AND COMPOSITIONS FOR INCREASING UPTAKE, INTERNALIZATION, AND/OR RETENTION OF SMALL MOLECULE LIGANDS  
 (51) Int. Cl.  
*A61K 51/00* (2006.01)  
*A61K 51/04* (2006.01)  
*A61K 51/08* (2006.01)  
*A61K 51/10* (2006.01)  
*A61P 35/00* (2006.01)
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 (72) BANDER, Neil H.  
 (74) PHILLIPS ORMONDE FITZPATRICK
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- (71) CORNELL UNIVERSITY  
 (11) AU-A-2021359825  
 (21) 2021359825 (22) 15.10.2021  
 (54) METHODS FOR CONTROLLING AND PREDICTING RECOVERY AFTER NMBA ADMINISTRATION  
 (51) Int. Cl.  
*A61P 21/00* (2006.01)  
*A61P 21/02* (2006.01)  
*A61P 23/00* (2006.01)  
*C07D 405/12* (2006.01)
- (87) WO2022/082051  
 (31) 63/093,179 (32) 17.10.20 (33) US  
 (43) 21.04.2022  
 (72) SAVARESE, John J.  
 (74) Davies Collison Cave Pty Ltd
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 (11) AU-A-2021368055  
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 (54) FEMALE FIBER OPTIC CONNECTORS HAVING A ROCKER LATCH ARM AND METHODS OF MAKING THE SAME  
 (51) Int. Cl.  
*G02B 6/38* (2006.01)
- (87) WO2022/094027  
 (31) 63/107,962 (32) 30.10.20 (33) US  
 (43) 05.05.2022  
 (72) CAPPANNARI, Stephen Paul; DE JONG, Michael; JONES, Ashley Wesley; KUKIAN, Przemyslaw Andrzej; MCDONALD, Alvin John; MUELLER-SCHLOMKA, Gordon; TRAN, Hieu Vinh; WOODY, Shane Chad  
 (74) PHILLIPS ORMONDE FITZPATRICK
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 (11) AU-A-2021376247  
 (21) 2021376247 (22) 01.11.2021  
 (54) FIBER OPTIC CONNECTORS HAVING AN INTERNAL RETENTION BODY  
 (51) Int. Cl.  
*G02B 6/38* (2006.01)
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 (31) 63/110,098 (32) 05.11.20 (33) US  
 (43) 12.05.2022  
 (72) GOMEZ, Michelle Amor; JANASZ, Lukasz Piotr; KRYGIER, Izabela Janina; PRZEMYSKA, Magdalena Czeslawa  
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 (11) AU-A-2022367006  
 (21) 2022367006 (22) 14.10.2022  
 (54) A NEEDLESTICK INJURY MITIGATING SYRINGE SAFETY INJECTION GUN  
 (51) Int. Cl.

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<b>A61M 5/32</b> ( 2006.01 )	<b>(43)</b> 14.04.2022			2020-165290	30.09.20 JP
<b>A61M 5/42</b> ( 2006.01 )	<b>(72)</b> BENNETT, Justin; ESTEP, Ryan; MORELLI, Ben; LEFELD, Chad; LUTHMANN, Trisha Marie; CIHOLAS, Mike Etienne			2020-165289	30.09.20 JP
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<b>(87)</b> WO2023/060312				<b>(43)</b> 07.04.2022	
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<b>(43)</b> 20.04.2023				<b>(74)</b> Spruson & Ferguson	
<b>(72)</b> JAFARZADEH, Masoud					
<b>(74)</b> Patentec Patent Attorneys					
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<b>(71)</b> COX AUTOMOTIVE, INC.	<b>(71)</b> CTB, INC.			<b>(71)</b> DANA-FARBER CANCER INSTITUTE, INC.; KOREA INSTITUTE OF SCIENCE AND TECHNOLOGY (KIST)	
<b>(11)</b> AU-A-2021383307	<b>(11)</b> AU-A-2021356527			<b>(11)</b> AU-A-2021372427	
<b>(21)</b> 2021383307	<b>(21)</b> 2021356527	<b>(22)</b> 07.10.2021		<b>(21)</b> 2021372427	<b>(22)</b> 26.10.2021
<b>(54)</b> SYSTEMS AND METHODS FOR IMPROVED VEHICLE TRANSACTION PLATFORMS	<b>(54)</b> DEVICES AND METHODS FOR MANAGING ANIMALS IN AN ENCLOSURE			<b>(54)</b> COMPOUNDS FOR TARGETED PROTEIN DEGRADATION OF KINASES	
<b>(51)</b> Int. Cl.	<b>(51)</b> Int. Cl.			<b>(51)</b> Int. Cl.	
<b>G06Q 30/06</b> ( 2023.01 )	<b>A01K 1/00</b> ( 2006.01 )			<b>A61K 31/4035</b> ( 2006.01 )	
<b>G06N 20/00</b> ( 2019.01 )	<b>A01K 1/02</b> ( 2006.01 )			<b>A61K 31/435</b> ( 2006.01 )	
<b>G06Q 30/02</b> ( 2023.01 )	<b>A61B 5/02</b> ( 2006.01 )			<b>A61K 31/4525</b> ( 2006.01 )	
<b>G06Q 40/00</b> ( 2023.01 )	<b>A61B 5/1455</b> ( 2006.01 )			<b>C07D 401/00</b> ( 2006.01 )	
<b>(87)</b> WO2022/108774	<b>F24F 11/70</b> ( 2018.01 )			<b>C07D 401/14</b> ( 2006.01 )	
<b>(31)</b> 63/115,974	<b>(87)</b> WO2022/076737	<b>(32)</b> 07.10.20	<b>(33)</b> US	<b>C07D 471/04</b> ( 2006.01 )	
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21.12.20	<b>(43)</b> 14.04.2022			<b>(31)</b> 63/105,728	<b>(32)</b> 26.10.20 <b>(33)</b> US
<b>(43)</b> 27.05.2022	<b>(72)</b> CHRISTENSON, Robert; KRAFT, James, R.			<b>(43)</b> 05.05.2022	
<b>(72)</b> LETAYF, Mazen; FAIRCLOTH, John	<b>(74)</b> AJ PARK			<b>(72)</b> GRAY, Nathanael S.; FISCHER, Eric S.; FERGUSON, Fleur M.; DONOVAN, Katherine; BUSHMAN, Jonathan W.; SIM, Taobo; BHUNIA, Debabrata; RYU, SeongShick	
<b>(74)</b> Pini IP				<b>(74)</b> Spruson & Ferguson	
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<b>(71)</b> CREATZ INC.	<b>(71)</b> CUTSFORTH, INC.			<b>(71)</b> Danimer IPCo, LLC	
<b>(11)</b> AU-A-2021370157	<b>(11)</b> AU-A-2021374593			<b>(11)</b> AU-A-2021347979	
<b>(21)</b> 2021370157	<b>(21)</b> 2021374593	<b>(22)</b> 02.11.2021		<b>(21)</b> 2021347979	<b>(22)</b> 23.09.2021
<b>(54)</b> METHOD, SYSTEM, AND NON-TRANSITORY COMPUTER READABLE STORAGE MEDIUM FOR SUPPORTING VIRTUAL GOLF SIMULATION	<b>(54)</b> BRUSH HOLDER ASSEMBLY			<b>(54)</b> BIODEGRADABLE CONTAINERS AND RESIN THEREFOR	
<b>(51)</b> Int. Cl.	<b>(51)</b> Int. Cl.			<b>(51)</b> Int. Cl.	
<b>A63B 24/00</b> ( 2006.01 )	<b>H01R 39/42</b> ( 2006.01 )			<b>B29B 11/14</b> ( 2006.01 )	
<b>A63B 69/36</b> ( 2006.01 )	<b>H01R 39/415</b> ( 2006.01 )			<b>B29C 49/00</b> ( 2006.01 )	
<b>A63B 71/06</b> ( 2006.01 )	<b>H01R 43/14</b> ( 2006.01 )			<b>C08K 5/00</b> ( 2006.01 )	
<b>G06T 7/20</b> ( 2017.01 )	<b>H01R 39/58</b> ( 2006.01 )			<b>C08L 67/04</b> ( 2006.01 )	
<b>(87)</b> WO2022/092983	<b>(87)</b> WO2022/098643			<b>B29K 67/00</b> ( 2006.01 )	
<b>(31)</b> 10-2020-0143836	<b>(31)</b> 63/109,455	<b>(32)</b> 04.11.20	<b>(33)</b> US	<b>B29L 31/00</b> ( 2006.01 )	
<b>(43)</b> 05.05.2022	<b>(43)</b> 12.05.2022			<b>(87)</b> WO2022/066862	
<b>(72)</b> SUK, Yong Ho; SUK, Jey Ho	<b>(72)</b> CUTSFORTH, Robert S.			<b>(31)</b> 63/082,551	<b>(32)</b> 24.09.20 <b>(33)</b> US
<b>(74)</b> LAMINAR IP PTY LTD	<b>(74)</b> Griffith Hack			<b>(43)</b> 31.03.2022	
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<b>(71)</b> CROWN EQUIPMENT CORPORATION	<b>(71)</b> CYTIVA BIOPROCESS R&D AB			<b>(72)</b> DURIE, Karson; MANG, Michael	
<b>(11)</b> AU-A-2021358709	<b>(11)</b> AU-A-2021386023			<b>(74)</b> Spruson & Ferguson	
<b>(21)</b> 2021358709	<b>(21)</b> 2021386023	<b>(22)</b> 10.11.2021			
<b>(54)</b> SYSTEMS AND METHODS FOR RELATIVE POSE SENSING AND FIELD ENFORCEMENT OF MATERIALS HANDLING VEHICLES USING ULTRA-WIDEBAND RADIO TECHNOLOGY	<b>(54)</b> SEPARATION MATRIX				
<b>(51)</b> Int. Cl.	<b>(51)</b> Int. Cl.				
<b>G05D 1/02</b> ( 2020.01 )	<b>B01D 15/38</b> ( 2006.01 )				
<b>G01C 21/00</b> ( 2006.01 )	<b>C07K 1/22</b> ( 2006.01 )				
<b>(87)</b> WO2022/076330	<b>C07K 14/31</b> ( 2006.01 )				
<b>(31)</b> 63/087,548	<b>C07K 16/06</b> ( 2006.01 )				
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63/087,541	<b>(31)</b> 2018588.0	<b>(32)</b> 26.11.20	<b>(33)</b> GB		
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63/087,544	<b>(72)</b> ANDER, Mats; RODRIGO, Gustav; BJÖRKMANN, Tomas				
63/104,567	<b>(74)</b> Davies Collison Cave Pty Ltd				
63/104,796					
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<b>(71)</b> DAIKIN INDUSTRIES, LTD.	<b>(71)</b> DAIKIN INDUSTRIES, LTD.			<b>(71)</b> Danimer IPCo, LLC	
<b>(11)</b> AU-A-2021354578	<b>(11)</b> AU-A-2021354578			<b>(11)</b> AU-A-2021348040	
<b>(21)</b> 2021354578	<b>(21)</b> 2021354578	<b>(22)</b> 30.09.2021		<b>(21)</b> 2021348040	<b>(22)</b> 23.09.2021
<b>(54)</b> POWER CONVERSION DEVICE	<b>(54)</b> POWER CONVERSION DEVICE			<b>(54)</b> BIODEGRADABLE LABELS AND RESIN THEREFOR	
<b>(51)</b> Int. Cl.	<b>(51)</b> Int. Cl.			<b>(51)</b> Int. Cl.	
<b>H02M 7/12</b> ( 2006.01 )	<b>H02M 7/12</b> ( 2006.01 )			<b>C09D 167/04</b> ( 2006.01 )	
<b>H02J 3/01</b> ( 2006.01 )	<b>H02J 3/01</b> ( 2006.01 )			<b>C08L 67/04</b> ( 2006.01 )	
<b>H02M 1/12</b> ( 2006.01 )	<b>H02M 1/12</b> ( 2006.01 )			<b>(87)</b> WO2022/066878	
<b>H02M 7/48</b> ( 2007.01 )	<b>H02M 7/48</b> ( 2007.01 )			<b>(31)</b> 63/082,565	<b>(32)</b> 24.09.20 <b>(33)</b> US



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 (74) Spruson & Ferguson
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- (71) Danimer IPCo, LLC  
 (11) AU-A-2021349252  
 (21) 2021349252 (22) 23.09.2021  
 (54) BIODEGRADABLE CONTAINER CLOSURE AND RESIN THEREFOR  
 (51) Int. Cl.  
 B29C 43/00 ( 2006.01 )  
 B29C 45/00 ( 2006.01 )  
 C08K 5/00 ( 2006.01 )  
 C08L 67/04 ( 2006.01 )  
 B29K 67/00 ( 2006.01 )  
 B29L 31/00 ( 2006.01 )  
 B29L 31/56 ( 2006.01 )  
 (87) WO2022/066866  
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 (72) JOHNSON, Adam; MCCLANAHAN, Eric; DURIE, Karson  
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 (11) AU-A-2021375535  
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 (54) MULTI-LAYERED COLLAGEN STRUCTURE  
 (51) Int. Cl.  
 A61L 27/24 ( 2006.01 )  
 A61L 15/32 ( 2006.01 )  
 A61L 27/02 ( 2006.01 )  
 A61L 27/12 ( 2006.01 )  
 A61L 27/14 ( 2006.01 )  
 A61L 27/20 ( 2006.01 )  
 A61L 27/26 ( 2006.01 )  
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 (54) Self-weighing expandable bag  
 (51) Int. Cl.  
 G01G 3/02 ( 2006.01 )  
 A45C 13/26 ( 2006.01 )  
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 (72) DAVID, Liviu  
 (74) Liviu David
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 (11) AU-A-2021350378  
 (21) 2021350378 (22) 22.09.2021  
 (54) METHOD AND PLATFORM FOR TRACING AN ATTACHED DOCUMENT GENERATED BY A THIRD PARTY  
 FROM AN ORIGINAL DOCUMENT USING A BLOCK CHAIN SYSTEM  
 (51) Int. Cl.  
 G06F 21/62 ( 2013.01 )  
 G06F 16/21 ( 2019.01 )  
 G06F 16/93 ( 2019.01 )  
 G06F 21/16 ( 2013.01 )  
 G06Q 10/10 ( 2023.01 )  
 H04L 9/32 ( 2006.01 )  
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 (72) DAVRON, Anne-Cécile; DAVRON, David  
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 (11) AU-A-2021368766  
 (21) 2021368766 (22) 26.10.2021  
 (54) VALVE DEVICE  
 (51) Int. Cl.  
 A47J 31/46 ( 2006.01 )  
 (87) WO2022/091151  
 (31) 10202000025651 (32) 29.10.20 (33) IT  
 (43) 05.05.2022  
 (72) EVANGELISTI, Paolo; PIOVAN, Nicola; BONOTTO, Davide  
 (74) PHILLIPS ORMONDE FITZPATRICK
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 (11) AU-A-2021368767  
 (21) 2021368767 (22) 26.10.2021  
 (54) VALVE DEVICE  
 (51) Int. Cl.  
 F16K 7/04 ( 2006.01 )  
 A47J 31/46 ( 2006.01 )  
 F16K 7/06 ( 2006.01 )  
 (87) WO2022/091156  
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 (11) AU-A-2021371182  
 (21) 2021371182 (22) 26.10.2021  
 (54) MACHINE FOR PREPARING COFFEE BEVERAGES  
 (51) Int. Cl.  
 A47J 31/44 ( 2006.01 )  
 A47J 31/36 ( 2006.01 )  
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 (72) EVANGELISTI, Paolo; PIOVAN, Nicola; BONOTTO, Davide; ACCIARI, Alberto  
 (74) PHILLIPS ORMONDE FITZPATRICK
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- (71) DENALI THERAPEUTICS INC.  
 (11) AU-A-2021362487  
 (21) 2021362487 (22) 13.10.2021  
 (54) METHODS FOR TREATING AND MONITORING FRONTOTEMPORAL DEMENTIA  
 (51) Int. Cl.  
 G01N 33/68 ( 2006.01 )  
 (87) WO2022/082178  
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 (72) ASTARITA, Giuseppe; DEVOS, Sarah L.; DI PAOLO, Gilbert; FANG, Meng; HUANG, Fen; LOGAN, Todd P.; SIMON, Matthew J.  
 (74) FPA Patent Attorneys Pty Ltd
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- (71) DIAGEO GREAT BRITAIN LIMITED  
 (11) AU-A-2021374875  
 (21) 2021374875 (22) 04.11.2021  
 (54) A MOULD FOR FORMING A UNITARY ARTICLE FROM PULP  
 (51) Int. Cl.  
 D21J 7/00 ( 2006.01 )  
 (87) WO2022/096888  
 (31) 2017432.2 (32) 04.11.20 (33) GB  
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 (43) 12.05.2022  
 (72) TURNER, Adam Richard; WILSON, Natasha; LANZON-MILLER, Joshua; MORRIS, Jonathan  
 (74) WRAYS PTY LTD
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- (71) DIAGEO GREAT BRITAIN LIMITED  
 (11) AU-A-2021375390  
 (21) 2021375390 (22) 04.11.2021  
 (54) A SYSTEM AND METHOD FOR FORMING A MOULDED ARTICLE  
 (51) Int. Cl.  
 D21J 7/00 ( 2006.01 )  
 (87) WO2022/096887  
 (31) 2017432.2 (32) 04.11.20 (33) GB  
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 (72) TURNER, Adam Richard; MORRIS, Jonathan; WILSON, Natasha; LANZON-MILLER, Joshua; BURNES, Antony Robin; NORFOLK, Andrew William; WILLIAMS, Benjamin Rhys; KING, Amy Joanne; BARTON, Rupert Anthony; SMITH, Paul Clifford  
 (74) WRAYS PTY LTD
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- (71) DIALECTIC THERAPEUTICS, INC.  
 (11) AU-A-2021377235  
 (21) 2021377235 (22) 10.11.2021  
 (54) SMALL MOLECULE FORMULATION  
 (51) Int. Cl.  
 A61K 9/107 ( 2006.01 )  
 A61K 31/00 ( 2006.01 )  
 A61K 47/14 ( 2017.01 )  
 A61K 47/26 ( 2006.01 )  
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 (72) SMITH, Garry R.; ISLAM, Mohammad Saiful; CHEN, Andrew Xian; ELLIOTT, Gary T.  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

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

<p>(71) DIGNIFY THERAPEUTICS, LLC                      (11) AU-A-2021358995                      (21) 2021358995 (22) 08.10.2021                      (54) COMPOSITIONS FOR INDUCING URINARY VOIDING AND DEFECACTION                      (51) Int. Cl.                      C07K 7/06 ( 2006.01 )                      A61P 1/16 ( 2006.01 )                      C07D 207/00 ( 2006.01 )                      (87) WO2022/076815                      (31) 63/089,268 (32) 08.10.20 (33) US                      (43) 14.04.2022                      (72) RICCA, Daniel, Joseph                      (74) Griffith Hack</p>	<p>(31) PCT/                      US2020/054415                      (43) 14.04.2022                      (72) FOLEY, Glenn; JIMENEZ, Oscar                      (74) AJ PARK</p>	<p>(32) 06.10.20 (33) US                      H04R 1/40 ( 2006.01 )                      H04R 3/00 ( 2006.01 )                      H04R 29/00 ( 2006.01 )                      (87) WO2022/071812                      (31) 767567 (32) 01.10.20 (33) NZ                      (43) 07.04.2022                      (72) PENTECOST, Shaun Taggart; ROWE, Samuel Seamus; EDLIN, Shaun; ROWE, Matthew; LOH, Hin; POLETTI, Mark                      (74) Ellis Terry</p>
<p>(71) DIMER TECHNOLOGIES PTY LTD                      (11) AU-A-2021377152                      (21) 2021377152 (22) 30.10.2021                      (54) A PROCESS AND PLANT FOR PRODUCING ULTRAHIGH-PURITY HYDROGEN FROM LOW-GRADE HYDROGEN GAS                      (51) Int. Cl.                      C01B 3/56 ( 2006.01 )                      B01D 53/04 ( 2006.01 )                      B01D 53/053 ( 2006.01 )                      B01J 20/16 ( 2006.01 )                      B01J 20/32 ( 2006.01 )                      (87) WO2022/099350                      (31) 2020904141 (32) 12.11.20 (33) AU                      (43) 19.05.2022                      (72) TAO, Lefu; XIAO, Penny; LIU, Ming Sheng                      (74) Dimer Technologies Pty Ltd</p>	<p>(71) DOMINGOS, D.                      (11) AU-A-2021368641                      (21) 2021368641 (22) 28.10.2021                      (54) PORTABLE DOG CANTEEN                      (51) Int. Cl.                      A01K 7/00 ( 2006.01 )                      A45F 3/16 ( 2006.01 )                      (87) WO2022/094114                      (31) 63/106,805 (32) 28.10.20 (33) US                      17/513,589 28.10.21 US                      (43) 05.05.2022                      (72) DOMINGOS, Dennis                      (74) Franke Hyland Pty Ltd</p>	<p>(71) DREN BIO, INC.                      (11) AU-A-2021352981                      (21) 2021352981 (22) 29.09.2021                      (54) ANTI-CD94 ANTIBODIES AND METHODS OF USE THEREOF                      (51) Int. Cl.                      A61K 39/395 ( 2006.01 )                      A61P 19/02 ( 2006.01 )                      A61P 35/00 ( 2006.01 )                      C07K 16/28 ( 2006.01 )                      (87) WO2022/072508                      (31) 63/085,932 (32) 30.09.20 (33) US                      63/088,926 07.10.20 US                      (43) 07.04.2022                      (72) TOMASEVIC, Nenad; SHI, Ruo Shi                      (74) Griffith Hack</p>
<p>(71) DOME MEDICAL TECHNOLOGIES, INC.                      (11) AU-A-2020471652                      (21) 2020471652 (22) 06.10.2020                      (54) MEDICAL DEVICES FOR USE IN THE CREATION OF A TEMPORARY PNEUMOPERITONEUM                      (51) Int. Cl.                      A61B 17/02 ( 2006.01 )                      A61B 1/32 ( 2006.01 )                      A61B 17/30 ( 2006.01 )                      A61B 17/34 ( 2006.01 )                      A61M 1/00 ( 2006.01 )                      A61M 13/00 ( 2006.01 )                      (87) WO2022/075977                      (43) 14.04.2022                      (72) FOLEY, Glenn; JIMENEZ, Oscar                      (74) AJ PARK</p>	<p>(71) DONALDSON COMPANY, INC.                      (11) AU-A-2021377284                      (21) 2021377284 (22) 15.11.2021                      (54) METHODS OF OLIGONUCLEOTIDE-BASED AFFINITY CHROMATOGRAPHY                      (51) Int. Cl.                      C07H 21/00 ( 2006.01 )                      C07K 1/22 ( 2006.01 )                      C12Q 1/6806 ( 2018.01 )                      G01N 33/543 ( 2006.01 )                      (87) WO2022/104197                      (31) 63/113,594 (32) 13.11.20 (33) US                      (43) 19.05.2022                      (72) ZHOU, Jinxiang; TEMPLES, Graham                      (74) FPA Patent Attorneys Pty Ltd</p>	<p>(71) DREN BIO, INC.                      (11) AU-A-2021358659                      (21) 2021358659 (22) 06.10.2021                      (54) ANTI-DECTIN-1 ANTIBODIES AND METHODS OF USE THEREOF                      (51) Int. Cl.                      A61K 39/395 ( 2006.01 )                      A61P 25/28 ( 2006.01 )                      A61P 31/00 ( 2006.01 )                      A61P 35/00 ( 2006.01 )                      C07K 16/28 ( 2006.01 )                      C07K 16/46 ( 2006.01 )                      (87) WO2022/077006                      (31) 63/088,895 (32) 07.10.20 (33) US                      63/174,439 13.04.21 US                      (43) 14.04.2022                      (72) FOTAKIS, Panagiotis; AH YOUNG-CHAPON, Andrew, P.; TOMASEVIC, Nenad; SHI, Ruo Shi; DENG, Xiaodi                      (74) Griffith Hack</p>
<p>(71) DOME MEDICAL TECHNOLOGIES, INC.                      (11) AU-A-2020471756                      (21) 2020471756 (22) 15.12.2020                      (54) MEDICAL DEVICES FOR USE IN THE CREATION OF A TEMPORARY PNEUMOPERITONEUM                      (51) Int. Cl.                      A61B 17/02 ( 2006.01 )                      A61B 17/30 ( 2006.01 )                      A61B 17/34 ( 2006.01 )                      (87) WO2022/076010</p>	<p>(71) DOORDASH, INC.                      (11) AU-A-2021349217                      (21) 2021349217 (22) 22.09.2021                      (54) RULE-BASED BUNDLING FOR LOGISTICAL EFFICIENCY                      (51) Int. Cl.                      G06Q 10/06 ( 2023.01 )                      G06Q 10/08 ( 2023.01 )                      G06Q 30/00 ( 2023.01 )                      H04W 4/021 ( 2018.01 )                      H04W 4/029 ( 2018.01 )                      (87) WO2022/066691                      (31) 63/083,364 (32) 25.09.20 (33) US                      17/159,249 27.01.21 US                      (43) 31.03.2022                      (72) WANG, George Siqiao; ANET, Martin; COSGRIFF, Jeff; HUANG, Bryan Chun-yen                      (74) FB Rice Pty Ltd</p>	<p>(71) DRUG DISCOVERY AND CLINIC S.R.L.                      (11) AU-A-2021376883                      (21) 2021376883 (22) 12.11.2021                      (54) PYRAZOLO DERIVATIVES AS HUMAN DIHYDROOROTATE DEHYDROGENASE (HDHODH) INHIBITORS FOR USE AS ANTIVIRALS                      (51) Int. Cl.                      A61K 31/437 ( 2006.01 )                      A61K 31/4439 ( 2006.01 )                      A61K 31/47 ( 2006.01 )                      A61P 11/00 ( 2006.01 )                      A61P 31/14 ( 2006.01 )                      A61P 31/16 ( 2006.01 )                      A61P 31/20 ( 2006.01 )                      A61P 31/22 ( 2006.01 )                      (87) WO2022/101382                      (31) 10202000027251 (32) 13.11.20 (33) IT</p>
<p>(71) DOTTEREL TECHNOLOGIES LIMITED                      (11) AU-A-2021355306                      (21) 2021355306 (22) 30.09.2021                      (54) BEAMFORMED MICROPHONE ARRAY                      (51) Int. Cl.                      G10L 21/0208 ( 2013.01 )                      H04R 1/02 ( 2006.01 )                      H04R 1/32 ( 2006.01 )</p>		

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 (72) BOSCHI, Donatella; GIORGIS, Marta; LOLLI, Marco Lucio; MARTINELLI, Giovanni; SAGLIO, Giuseppe  
 (74) AJ PARK
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- (71) DSM NUTRITIONAL PRODUCTS, LLC  
 (11) AU-A-2021350104  
 (21) 2021350104 (22) 24.09.2021  
 (54) OLIGOSACCHARIDE COMPOSITIONS AND METHODS OF USE  
 (51) Int. Cl.  
**A23K 20/163** ( 2016.01 )  
**A61K 31/70** ( 2006.01 )  
**A61K 31/702** ( 2006.01 )  
**C07H 3/00** ( 2006.01 )  
**C07H 3/06** ( 2006.01 )  
**C08L 5/00** ( 2006.01 )  
 (87) WO2022/067131  
 (31) 63/083,796 (32) 25.09.20 (33) US  
 (43) 31.03.2022  
 (72) MEISNER, Jeffrey; LIU, Christopher, Matthew; ROSINI, Madeline; HECHT, Max; HUMPHRIES, Eric; JOSE, Adarsh; VAN HYLCKAMA Vlieg, Johan; DOWLING, Mark; WINGERTZAHN, Mark; LEE, Jackson  
 (74) FPA Patent Attorneys Pty Ltd
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- (71) DUKE UNIVERSITY  
 (11) AU-A-2021364596  
 (21) 2021364596 (22) 12.10.2021  
 (54) COMPOSITIONS AND METHODS RELATING TO ALZHEIMER'S DISEASE  
 (51) Int. Cl.  
**C12N 9/22** ( 2006.01 )  
**C12Q 1/6809** ( 2018.01 )  
**C12Q 1/6883** ( 2018.01 )  
 (87) WO2022/086753  
 (31) 63/104,343 (32) 22.10.20 (33) US  
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 (43) 28.04.2022  
 (72) CHIBA-FALEK, Ornit; KANTOR, Boris  
 (74) Spruson & Ferguson
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- (71) DUKE UNIVERSITY; XILIS, INC.  
 (11) AU-A-2021385548  
 (21) 2021385548 (22) 23.11.2021  
 (54) DROPLET ORGANOID-BASED IMMUNO-ONCOLOGY ASSAYS AND METHODS OF USING SAME  
 (51) Int. Cl.  
**G01N 33/50** ( 2006.01 )  
**C12N 5/071** ( 2010.01 )  
 (87) WO2022/115455  
 (31) 63/117,767 (32) 24.11.20 (33) US  
 (43) 02.06.2022  
 (72) SHEN, Xiling; NATESH, Naveen; DE-LUBAC, Daniel  
 (74) RnB IP
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- (71) DYNNO NOBEL INC.  
 (11) AU-A-2021374637  
 (21) 2021374637 (22) 02.11.2021  
 (54) FRACTURE DENSITY MODEL SYSTEM, METHODS, AND APPARATUS  
 (51) Int. Cl.  
**G06F 30/23** ( 2020.01 )  
**G06F 111/04** ( 2020.01 )  
**G06F 111/10** ( 2020.01 )  
**G06F 119/14** ( 2020.01 )  
 (87) WO2022/098668  
 (31) 63/109,033 (32) 03.11.20 (33) US  
 (43) 12.05.2022  
 (72) BHUIYAN, A B M Abdul Ali; LOWNDS, Charles Michael; PREECE, Dale S.  
 (74) Spruson & Ferguson
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- (71) EAGLEPICHER TECHNOLOGIES, LLC  
 (11) AU-A-2021357682  
 (21) 2021357682 (22) 04.10.2021  
 (54) BATTERY ASSEMBLIES, COMPONENTS THEREOF, AND METHODS OF MANUFACTURE  
 (51) Int. Cl.  
**H01M 4/02** ( 2006.01 )  
**H01M 10/647** ( 2014.01 )  
**H01M 50/103** ( 2021.01 )  
**H01M 50/107** ( 2021.01 )  
**H01M 50/30** ( 2021.01 )  
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 (87) WO2022/076283  
 (31) 63/087,446 (32) 05.10.20 (33) US  
 (43) 14.04.2022  
 (72) PUGLIA, Frank; DOUGLAS, Robert S.; HALL, Jeffrey C.; CAVANAGH, Michael; CAVANAGH, Kenneth M.; RUDDOCK, Lawrence; SANTEE, Stuart; CARY, Shawn; CHIOU, Brian  
 (74) PHILLIPS ORMONDE FITZPATRICK
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- (71) ECOLAB USA INC.  
 (11) AU-A-2021382808  
 (21) 2021382808 (22) 19.11.2021  
 (54) PEST DETECTION USING SENSOR WITH TEXTURED SURFACE  
 (51) Int. Cl.  
**A01M 1/02** ( 2006.01 )  
**A01M 31/00** ( 2006.01 )  
 (87) WO2022/109609  
 (31) 63/116,066 (32) 19.11.20 (33) US  
 (43) 27.05.2022  
 (72) LAKE, Larry Arvid; MANDERFIELD, Morgan Ann; OLSON, Joelle; REATEG-UI, Liliانا; SCHWARTZ, Daniel Ronald  
 (74) Spruson & Ferguson
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- (71) ECOLAB USA INC.  
 (11) AU-A-2021385532  
 (21) 2021385532 (22) 22.11.2021  
 (54) MULTIPURPOSE ACIDIC COMPOSITIONS AND METHODS OF USE  
 (51) Int. Cl.  
**C11D 3/00** ( 2006.01 )  
**C11D 3/20** ( 2006.01 )  
**C11D 11/00** ( 2006.01 )  
**C11D 1/14** ( 2006.01 )  
 (87) WO2022/115355  
 (31) 63/198,956 (32) 25.11.20 (33) US  
 17/249,793 12.03.21 US  
 (43) 02.06.2022  
 (72) OLSON, Erik C.; EMIRU, Hilina; ANDERSON, Derrick; RIGHTMIRE, Kelly Anne; MEIER, Timothy  
 (74) Spruson & Ferguson
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- (71) ECOLAB USA INC.  
 (11) AU-A-2021387902  
 (21) 2021387902 (22) 22.11.2021  
 (54) MULTIPURPOSE ALKALINE COMPOSITIONS AND METHODS OF USE  
 (51) Int. Cl.  
**C11D 3/00** ( 2006.01 )  
**C11D 3/30** ( 2006.01 )  
 (87) WO2022/115354  
 (31) 63/198,957 (32) 25.11.20 (33) US  
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 (43) 02.06.2022  
 (72) OLSON, Erik C.; EMIRU, Hilina; ANDERSON, Derrick; RIGHTMIRE, Kelly Anne; MEIER, Timothy  
 (74) Spruson & Ferguson
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- (71) ECOMATPRO PTE LTD; ANSON, A.  
 (11) AU-A-2021393334  
 (21) 2021393334 (22) 22.10.2021  
 (54) ROAD SURFACE MATTING  
 (51) Int. Cl.  
**E01C 9/08** ( 2006.01 )  
 (87) WO2022/119453  
 (31) 770693 (32) 03.12.20 (33) NZ  
 (43) 09.06.2022  
 (72) ANSON, Antony  
 (74) AJ Pietras IP Limited
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- (71) ECOPWRS LLC  
 (11) AU-A-2021353942  
 (21) 2021353942 (22) 29.09.2021  
 (54) SYSTEMS AND METHODS FOR INTEGRATED MANAGEMENT OF ASSOCIATED GAS AND PRODUCED WATER AT OIL WELL EXTRACTION SITES  
 (51) Int. Cl.  
**E21B 43/12** ( 2006.01 )  
**E21B 43/14** ( 2006.01 )  
**E21B 43/16** ( 2006.01 )  
 (87) WO2022/072478  
 (31) 63/085,688 (32) 30.09.20 (33) US  
 (43) 07.04.2022  
 (72) HEFFERNAN, John; LANPHER, Ted; BEYERS, Joseph  
 (74) LAMINAR IP PTY LTD
- 
- (71) EDWARDS LIFESCIENCES CORPORATION  
 (11) AU-A-2021376271  
 (21) 2021376271 (22) 03.11.2021  
 (54) SYSTEMS, TOOLS, AND METHODS FOR DELIVERING IMPLANTS AND CATHETERS FOR A PROSTHETIC VALVE  
 (51) Int. Cl.  
**A61F 2/24** ( 2006.01 )  
**A61F 2/95** ( 2013.01 )  
**A61F 2/962** ( 2013.01 )  
 (87) WO2022/098720  
 (31) 63/109,563 (32) 04.11.20 (33) US  
 (43) 12.05.2022  
 (72) SHING, Joseph; VENTRESS, James, William; METHOD, Andrew, Gordon  
 (74) Spruson & Ferguson

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<p>(71) EDWARDS LIFESCIENCES CORPORATION (11) AU-A-2021377620 (21) 2021377620 (22) 10.11.2021 (54) TRANSCATHETER DELIVERY APPARATUS (51) Int. Cl. A61F 2/24 ( 2006.01 ) (87) WO2022/103794 (31) 63/112,326 (32) 11.11.20 (33) US (43) 19.05.2022 (72) DESROSIERS, John, J. (74) Spruson &amp; Ferguson</p>	<p>A61P 17/04 ( 2006.01 ) C07D 487/04 ( 2006.01 ) (87) WO2022/087515 (31) 63/105,147 (32) 23.10.20 (33) US (43) 28.04.2022 (72) STIRM, Stephen (74) Davies Collison Cave Pty Ltd</p>	<p>(31) 20212444.2 (32) 08.12.20 (33) EP (43) 16.06.2022 (72) URGESE, Emanuel; VIROLI, Alex; NOSTRO, Massimo; ZANGOLI, Massimo; MILANESI, Filippo; CORSI, Giacomo; MENGOZZI, Alan (74) Halfords IP</p>
<p>(71) EDWARDS LIFESCIENCES CORPORATION (11) AU-A-2021378786 (21) 2021378786 (22) 09.11.2021 (54) PROSTHETIC HEART VALVES WITH HERMETIC LAYERS OR VALVULAR STRUCTURES TO REDUCE THROMBOSIS RISK (51) Int. Cl. A61F 2/24 ( 2006.01 ) (87) WO2022/103747 (31) 63/112,080 (32) 10.11.20 (33) US 63/240,766 03.09.21 US (43) 19.05.2022 (72) SCHWARTZ, Evan, T.; PATEL, Darshin, S.; CHAU, Jocelyn; BETTENCOURT, Hannah, Reed (74) Spruson &amp; Ferguson</p>	<p>(71) ELECTROLUX APPLIANCES AK-TIEBOLAG (11) AU-A-2021392797 (21) 2021392797 (22) 16.11.2021 (54) EXTRACTION DEVICE AND METHOD FOR OPERATING THE SAME (51) Int. Cl. F24C 15/20 ( 2006.01 ) (87) WO2022/117333 (31) 20211475.7 (32) 03.12.20 (33) EP (43) 09.06.2022 (72) BENOLD, Frank (74) Halfords IP</p>	<p>(71) ELECTROLUX APPLIANCES AK-TIEBOLAG (11) AU-A-2021398295 (21) 2021398295 (22) 23.11.2021 (54) METHOD FOR TREATING FOOD IN AN APPLIANCE, FOOD TREATMENT SYSTEM AND SOFTWARE APPLICATION (51) Int. Cl. G06Q 10/00 ( 2023.01 ) F24C 7/08 ( 2006.01 ) H05B 6/64 ( 2006.01 ) (87) WO2022/122375 (31) 20212214.9 (32) 07.12.20 (33) EP (43) 16.06.2022 (72) TOPPANO, Michele; LUCKHARDT, Christoph; SMIRNOV, Vladimir; SHUSTROV, Dmitrii; SCHIFFLER, Thorben (74) Halfords IP</p>
<p>(71) EISAI R&amp;D MANAGEMENT CO., LTD. (11) AU-A-2021410893 (21) 2021410893 (22) 22.12.2021 (54) ANTI-EPHA4 ANTIBODY (51) Int. Cl. C12N 15/13 ( 2006.01 ) A61K 39/395 ( 2006.01 ) A61P 25/28 ( 2006.01 ) C07K 16/28 ( 2006.01 ) C12N 1/15 ( 2006.01 ) C12N 1/19 ( 2006.01 ) C12N 1/21 ( 2006.01 ) C12N 5/10 ( 2006.01 ) C12N 15/63 ( 2006.01 ) C12P 21/08 ( 2006.01 ) (87) WO2022/138708 (31) 2020-214958 (32) 24.12.20 (33) JP (43) 30.06.2022 (72) KAWAKATSU, Tomomi; YAMADA, Akio; NAKATANI, Aki; INOUE, Eiji (74) Davies Collison Cave Pty Ltd</p>	<p>(71) ELECTROLUX APPLIANCES AK-TIEBOLAG (11) AU-A-2021392836 (21) 2021392836 (22) 19.11.2021 (54) HOUSEHOLD APPLIANCE AND METHOD FOR ASSEMBLING A HOUSEHOLD APPLIANCE (51) Int. Cl. H05B 6/12 ( 2006.01 ) H01R 12/71 ( 2011.01 ) H05K 3/34 ( 2006.01 ) (87) WO2022/117368 (31) 20211487.2 (32) 03.12.20 (33) EP (43) 09.06.2022 (72) KLEIN, Gerhard; REBELEIN, Elisabeth; HÄUTLE, Ulrich (74) Halfords IP</p>	<p>(71) ELECTROLUX APPLIANCES AK-TIEBOLAG (11) AU-A-2021402392 (21) 2021402392 (22) 10.12.2021 (54) HOUSEHOLD APPLIANCE AND METHOD FOR ASSEMBLING A HOUSEHOLD APPLIANCE (51) Int. Cl. F24C 15/10 ( 2006.01 ) H01R 12/58 ( 2011.01 ) H01R 13/10 ( 2006.01 ) H05B 6/12 ( 2006.01 ) (87) WO2022/128760 (31) 20214653.6 (32) 16.12.20 (33) EP (43) 23.06.2022 (72) KLEIN, Gerhard; MILANESI, Filippo; VIROLI, Alex; CASO, Daniele; HÄUTLE, Ulrich; REBELEIN, Elisabeth (74) Halfords IP</p>
<p>(71) ELANCO US INC. (11) AU-A-2021364406 (21) 2021364406 (22) 25.10.2021 (54) JAK INHIBITORS HAVING A SPECIFIC PARTICLE SIZE DISTRIBUTION (51) Int. Cl. A61K 9/00 ( 2006.01 ) A61K 9/16 ( 2006.01 ) A61K 9/20 ( 2006.01 ) A61K 31/519 ( 2006.01 ) A61P 17/00 ( 2006.01 )</p>	<p>(71) ELECTROLUX APPLIANCES AK-TIEBOLAG (11) AU-A-2021394521 (21) 2021394521 (22) 24.11.2021 (54) INDUCTION COOKING HOB AND METHOD FOR CONTROLLING AN INDUCTION COOKING HOB (51) Int. Cl. H05B 6/06 ( 2006.01 ) H05B 6/12 ( 2006.01 ) (87) WO2022/122386</p>	<p>(71) ELECTROLUX APPLIANCES AK-TIEBOLAG (11) AU-A-2021403399 (21) 2021403399 (22) 02.12.2021 (54) MAGNETIC STIRRER (51) Int. Cl. A47J 43/046 ( 2006.01 ) A47J 36/16 ( 2006.01 ) A47J 36/32 ( 2006.01 ) (87) WO2022/128512 (31) 20214657.7 (32) 16.12.20 (33) EP (43) 23.06.2022 (72) KRAUSSE, Constantin (74) Halfords IP</p>
<p>(71) ELECTROLUX APPLIANCES AK-TIEBOLAG (11) AU-A-2021403477 (21) 2021403477 (22) 19.11.2021</p>	<p>(71) ELECTROLUX APPLIANCES AK-TIEBOLAG (11) AU-A-2021403477 (21) 2021403477 (22) 19.11.2021</p>	<p>(71) ELECTROLUX APPLIANCES AK-TIEBOLAG (11) AU-A-2021403477 (21) 2021403477 (22) 19.11.2021</p>





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**A61P 31/00** ( 2006.01 )  
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(31) 63/112,447 (32) 11.11.20 (33) US  
(43) 19.05.2022  
(72) ALLEN, Robert C.; STEPHENS, JR., Jackson T.  
(74) K&L Gates
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- (71) EXSCIENTIA AI LIMITED  
(11) AU-A-2021381009  
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(54) MALT-1 MODULATORS  
(51) Int. Cl.  
**A61P 29/02** ( 2006.01 )  
**A61K 31/4353** ( 2006.01 )  
**A61K 31/4709** ( 2006.01 )  
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**A61P 35/00** ( 2006.01 )  
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**C07D 471/04** ( 2006.01 )  
**C07D 471/14** ( 2006.01 )  
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- (87) WO2022/106857  
(31) 2018412.3 (32) 23.11.20 (33) GB  
(43) 27.05.2022  
(72) RAY, Peter; EVANS, David; BRADLEY, Anthony; RADOUX, Chris; RICHARDS, Simon; SANTOS, Catarina; BESNARD, Jeremy; COOKE, Andrew, John; GOMEZ, Sylvie Félicité; CAZAUX-LEROU, Lorène, Nathalie, Sabine; PINTO, Marta; PUCCI, Sabrina; BLANGER, Claire, Christiane, Ginette  
(74) ALLENS PATENT & TRADE MARK ATTORNEYS
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- (71) EXXONMOBIL TECHNOLOGY AND ENGINEERING COMPANY  
(11) AU-A-2021417231  
(21) 2021417231 (22) 10.11.2021  
(54) STEAM CRACKING PROCESS FOR CONVERTING CRUDE OILS TO PITCH COMPOSITIONS SPINNABLE INTO CARBON ARTICLES  
(51) Int. Cl.  
**C01B 32/05** ( 2017.01 )  
**C08L 95/00** ( 2006.01 )  
**C10C 3/00** ( 2006.01 )  
**C10C 3/02** ( 2006.01 )  
**C10G 9/36** ( 2006.01 )  
**C10G 51/02** ( 2006.01 )  
**C10G 55/04** ( 2006.01 )  
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**D01F 9/155** ( 2006.01 )
- (87) WO2022/150232  
(31) 63/134,198 (32) 06.01.21 (33) US  
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(72) SMITH, Stuart E.; CHASE, Clarence E.; EDMOND, Kazem V.; GOPINADHAN, Manesh; FERRUGHELLI, David T.  
(74) ALLENS PATENT & TRADE MARK ATTORNEYS
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 B02C 18/22 ( 2006.01 )  
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 C13B 10/06 ( 2011.01 )  
 C13B 10/10 ( 2011.01 )  
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 C07K 16/28 ( 2006.01 )

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 B23P 11/00 ( 2006.01 )  
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 B25C 5/11 ( 2006.01 )  
 B27F 7/32 ( 2006.01 )  
 F16G 3/00 ( 2006.01 )  
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 AND METHODS OF USE THEREOF  
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 C07K 14/415 ( 2006.01 )  
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 INASES AND METHODS OF USE  
 THEREOF  
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 A61K 35/74 ( 2015.01 )  
 A61P 31/04 ( 2006.01 )  
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*C12N 5/00* (2006.01)  
*C12P 19/04* (2006.01)  
*D01F 2/00* (2006.01)  
*C12R 1/91* (2006.01)  
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*G16H 20/40* (2018.01)  
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 (51) Int. Cl.  
**C04B 7/153** ( 2006.01 )  
**C04B 7/17** ( 2006.01 )  
**C04B 28/08** ( 2006.01 )  
**C04B 40/00** ( 2006.01 )  
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 (51) Int. Cl.  
**C22B 26/12** ( 2006.01 )  
**C22B 3/16** ( 2006.01 )  
**C22B 3/44** ( 2006.01 )  
**C22B 7/00** ( 2006.01 )  
**H01M 10/54** ( 2006.01 )  
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 AND USES THEREOF  
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**C08J 3/075** ( 2006.01 )  
**C09H 3/02** ( 2006.01 )  
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 Noel  
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(71) GEM INNOV  
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 GRADABLE MICROCAPSULES AND  
 MICROCAPSULES OBTAINED IN  
 THIS MANNER  
 (51) Int. Cl.

**B01J 13/18** ( 2006.01 )  
**A01N 25/28** ( 2006.01 )  
**A23P 10/35** ( 2016.01 )  
**A61K 8/11** ( 2006.01 )  
**A61K 9/48** ( 2006.01 )  
**B01J 13/22** ( 2006.01 )  
**C09B 67/02** ( 2006.01 )  
**C11D 3/50** ( 2006.01 )  
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 erine; GIGMES, Didier; HO, The Hien;  
 OUDOUA, Kaouthar; RIBEIRO, Thierry;  
 ORTAIS, Yves  
 (74) GLMR

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 HIBITORS FOR THE TREATMENT OF  
 ANEMIA

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**A61K 31/351** ( 2006.01 )  
**A61K 31/4025** ( 2006.01 )  
**A61K 31/4192** ( 2006.01 )  
**A61K 31/4439** ( 2006.01 )  
**A61P 7/06** ( 2006.01 )  
**A61P 9/00** ( 2006.01 )  
**A61P 9/10** ( 2006.01 )  
**C07D 401/14** ( 2006.01 )  
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 BROTHER, Wayne J.  
 (74) Griffith Hack

(71) GENENTECH, INC.  
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 TECTING ANALYTES IN SOLUTION  
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**G01N 33/68** ( 2006.01 )  
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 (72) POLLOCK, Samuel Benjamin  
 (74) Griffith Hack

(71) GENERAL ENERGY RECOVERY INC.  
 (11) AU-A-2021366978  
 (21) 2021366978 (22) 25.10.2021  
 (54) STEAM GENERATOR TOOL  
 (51) Int. Cl.  
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**E21B 43/24** ( 2006.01 )  
**E21B 43/243** ( 2006.01 )  
**F22B 1/22** ( 2006.01 )  
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 BAIRD, Farrell; THOMPSON, Daniel;  
 SOPKO, Wesley; WIEBE, Kevin; DARY,  
 Bradley  
 (74) FB Rice Pty Ltd

(71) GENESYS CLOUD SERVICES, INC.  
 (11) AU-A-2021347371  
 (21) 2021347371 (22) 27.09.2021  
 (54) SYSTEMS AND METHODS RELATING  
 TO BOT AUTHORIZING BY MINING IN-  
 TENTS FROM CONVERSATION DATA  
 USING KNOWN INTENTS FOR ASSO-  
 CIATED SAMPLE UTTERANCES  
 (51) Int. Cl.  
**G06F 40/30** ( 2020.01 )  
**G06F 40/284** ( 2020.01 )  
**G06F 40/289** ( 2020.01 )  
**G06F 40/35** ( 2020.01 )  
 (87) WO2022/067149  
 (31) 63/083,561 (32) 25.09.20 (33) US  
 (43) 31.03.2022  
 (72) GEORGE, Basil; SUNDARAM, Ramas-  
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 (74) Spruson & Ferguson

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 (21) 2021350115 (22) 27.09.2021  
 (54) SYSTEMS AND METHODS RELATING  
 TO BOT AUTHORIZING BY MINING IN-  
 TENTS FROM NATURAL LANGUAGE  
 CONVERSATIONS  
 (51) Int. Cl.  
**G06F 40/30** ( 2020.01 )  
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**G06F 40/289** ( 2020.01 )  
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 (11) AU-A-2021351523  
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 (54) METHOD AND SYSTEM FOR DYNAM-  
 IC ADAPTIVE ROUTING OF DEFER-  
 RABLE WORK IN A CONTACT CEN-  
 TER  
 (51) Int. Cl.  
**G06F 40/20** ( 2020.01 )  
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**G06Q 10/06** ( 2023.01 )  
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 Travis; D'ATTILIO, William; TSE, John-  
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 (11) AU-A-2021374940

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 (54) SYSTEM AND METHOD FOR PROVIDING PERSONALIZED CONTEXT  
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*H04L 67/306* ( 2022.01 )  
*H04L 67/50* ( 2022.01 )  
*H04L 67/562* ( 2022.01 )  
*H04M 3/51* ( 2006.01 )  
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 (51) Int. Cl.  
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*C12N 15/86* ( 2006.01 )  
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 (43) 07.04.2022  
 (72) KYOSTIO-MOORE, Sirkka R.M.  
 (74) Griffith Hack
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- (71) GEOQUEST SYSTEMS B.V.  
 (11) AU-A-2021368116  
 (21) 2021368116 (22) 29.10.2021  
 (54) FRACTURING OPERATION SYSTEM  
 (51) Int. Cl.  
*E21B 43/26* ( 2006.01 )  
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*G06N 20/00* ( 2019.01 )  
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*C07D 401/04* ( 2006.01 )  
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 (54) PHOSPHOLIPID COMPOUNDS AND USES THEREOF  
 (51) Int. Cl.  
*A61K 39/12* ( 2006.01 )  
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*A61P 31/12* ( 2006.01 )  
*C07F 9/6561* ( 2006.01 )  
*C07H 19/00* ( 2006.01 )  
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 (74) Davies Collision Cave Pty Ltd
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 (21) 2021364407 (22) 25.10.2021  
 (54) VARIABLE PRESSURE CLEANING DEVICE AND METHOD  
 (51) Int. Cl.  
*F28G 1/12* ( 2006.01 )  
*A61B 1/12* ( 2006.01 )  
*B08B 9/04* ( 2006.01 )  
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 (72) MILLER, Scott; CARTER, Frank; GAUGER, Carl  
 (74) GLMR
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 (74) Davies Collision Cave Pty Ltd
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 (72) GERELLI, Emmanuel; JONIOVA, Jaroslava; GERELLI, Sébastien;
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- (71) GLOBERIDE, INC.  
 (11) AU-A-2021405471  
 (21) 2021405471 (22) 26.10.2021  
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 (51) Int. Cl.  
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*A01K 87/00* ( 2006.01 )  
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 (43) 30.06.2022  
 (72) ODA Takuya; MIYA Yukihisa  
 (74) K&L Gates
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 (11) AU-A-2021383601  
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 (54) OSMOTIC METHODS AND SYSTEMS INVOLVING ENERGY RECOVERY  
 (51) Int. Cl.  
*B01D 61/00* ( 2006.01 )  
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*B01D 65/02* ( 2006.01 )  
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 (43) 27.05.2022  
 (72) STOVER, Richard  
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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- (71) GRAND LIFE SCIENCES GROUP (WUHAN) CO., LTD.  
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 (54) USE OF PENEHYCLIDINE IN TREATMENT OR PREVENTION OF VISION-IMPAIRING EYE DISEASES  
 (51) Int. Cl.  
*A61K 31/439* ( 2006.01 )  
*A61P 27/02* ( 2006.01 )  
*A61P 27/10* ( 2006.01 )  
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 (74) MINTER ELLISON
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- (71) GRIFOLS WORLDWIDE OPERATIONS LIMITED  
 (11) AU-A-2021387774  
 (21) 2021387774 (22) 23.11.2021  
 (54) WOUND HEALING  
 (51) Int. Cl.  
*A61K 38/48* ( 2006.01 )

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**A61P 17/02** ( 2006.01 )  
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**(72)** NOVOKHATNY, Valery  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** GRIPPLE LIMITED  
**(11)** AU-A-2021374901  
**(21)** 2021374901 **(22)** 27.10.2021  
**(54)** IMPROVEMENTS IN OR RELATING TO CARRIAGES AND CLAMPING DEVICES  
**(51)** Int. Cl.  
**F16B 37/08** ( 2006.01 )  
**F16G 11/10** ( 2006.01 )  
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**(74)** Spruson & Ferguson
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- (71)** GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.  
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**(54)** SIDELINK TRANSMISSION METHOD AND TERMINAL  
**(51)** Int. Cl.  
**H04W 76/23** ( 2018.01 )  
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- (71)** GUARDIAN GLASS, LLC  
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**(54)** AN INSULATING GLASS UNIT, A METHOD OF MAKING SUCH AN INSULATING GLASS UNIT AND A METHOD OF OPERATING A DYNAMIC SHADE IN SUCH AN INSULATING GLASS UNIT, A SUBSTRATE  
**(51)** Int. Cl.  
**E06B 9/264** ( 2006.01 )  
**E06B 3/67** ( 2006.01 )  
**E06B 9/24** ( 2006.01 )  
**E06B 9/42** ( 2006.01 )  
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**(31)** 17/138,528 **(32)** 30.12.20 **(33)** US  
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**(72)** KOSKULICS, Jeffrey; FINCH, Joshua; LAWRENCE, David  
**(74)** Spruson & Ferguson
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- (71)** GUSTOMSC B.V.  
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**(21)** 2021365596 **(22)** 20.10.2021  
**(54)** WIND TURBINE OFFSHORE SUPPORT STRUCTURE  
**(51)** Int. Cl.  
**E02D 27/42** ( 2006.01 )  
**B63B 21/00** ( 2006.01 )  
**B63B 35/44** ( 2006.01 )  
**E02D 27/50** ( 2006.01 )  
**F03D 13/20** ( 2016.01 )  
**(87)** WO2022/086329  
**(31)** 2026717 **(32)** 20.10.20 **(33)** NL  
**(43)** 28.04.2022  
**(72)** KANT, Robbert  
**(74)** Spruson & Ferguson
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- (71)** H. LEE MOFFITT CANCER CENTER AND RESEARCH INSTITUTE, INC.; MEMGEN, INC.  
**(11)** AU-A-2021368569  
**(21)** 2021368569 **(22)** 27.10.2021  
**(54)** ONCOLYTIC VIRUS BOOSTS T CELL RESPONSE FOR EFFECTIVE TIL THERAPY  
**(51)** Int. Cl.  
**C12N 15/86** ( 2006.01 )  
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**(43)** 05.05.2022  
**(72)** BEG, Amer; CANTWELL, Mark J.  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** H3X TECHNOLOGIES INC.  
**(11)** AU-A-2021373698  
**(21)** 2021373698 **(22)** 02.11.2021  
**(54)** ELECTRIC MOTOR WITH INTEGRATED INVERTER AND SHARED COOLING SYSTEM  
**(51)** Int. Cl.  
**H02K 11/00** ( 2016.01 )  
**H02K 11/02** ( 2016.01 )  
**H02M 7/537** ( 2006.01 )  
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**(72)** LIBEN, Max Meyer; SYLVESTRE, Jason Jerome; MACIOLEK, Eric Paul  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** HAEYVEN B.V.  
**(11)** AU-A-2021378204  
**(21)** 2021378204 **(22)** 09.11.2021  
**(54)** EXERCISE DEVICE AND EXERCISE SYSTEM  
**(51)** Int. Cl.  
**A63B 21/00** ( 2006.01 )  
**A63B 21/005** ( 2006.01 )  
**A63B 21/008** ( 2006.01 )  
**A63B 21/22** ( 2006.01 )  
**A63B 23/035** ( 2006.01 )  
**A63B 24/00** ( 2006.01 )  
**A63B 71/06** ( 2006.01 )  
**(87)** WO2022/103256  
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**(43)** 19.05.2022  
**(72)** LAMMERS, Gerrit Jan; WEISS, Matthias; HUMBARGER, Kris Brian  
**(74)** Spruson & Ferguson
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- (71)** HAIER SMART HOME CO., LTD.; QINGDAO HAIER REFRIGERATOR CO., LTD.; HAIER US APPLIANCE SOLUTIONS, INC.  
**(11)** AU-A-2021376591  
**(21)** 2021376591 **(22)** 05.11.2021  
**(54)** REFRIGERATION APPLIANCE HAVING MIXING DISTRIBUTOR  
**(51)** Int. Cl.  
**F25D 11/00** ( 2006.01 )  
**F25D 23/02** ( 2006.01 )  
**F25D 23/12** ( 2006.01 )  
**(87)** WO2022/095948  
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**(43)** 12.05.2022  
**(72)** LI, Jianwu  
**(74)** Davies Collison Cave Pty Ltd
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**(11)** AU-A-2020481686  
**(21)** 2020481686 **(22)** 18.12.2020  
**(54)** WELLBORE PACKER WITH EXPANDABLE METAL ELEMENTS  
**(51)** Int. Cl.  
**E21B 33/12** ( 2006.01 )  
**E21B 23/06** ( 2006.01 )  
**E21B 34/10** ( 2006.01 )  
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**(43)** 23.06.2022  
**(72)** PELTO, Christopher Michael; FRIPP, Michael Linley; GJELSTAD, Geir  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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**(11)** AU-A-2020481929  
**(21)** 2020481929 **(22)** 17.12.2020  
**(54)** SYSTEMS AND METHODS TO DETERMINE A CHARACTERISTIC OF A DRILLING FLUID  
**(51)** Int. Cl.  
**E21B 47/008** ( 2012.01 )  
**C09K 8/32** ( 2006.01 )  
**E21B 43/12** ( 2006.01 )  
**E21B 47/26** ( 2012.01 )  
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**(72)** YE, Xiangnan; JAMISON, Dale E.; KOZIKOWSKI, Marek  
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**(11)** AU-A-2020481934  
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**(54)** NON-EXPANDING LINER HANGER  
**(51)** Int. Cl.  
**E21B 43/10** ( 2006.01 )  
**E21B 17/08** ( 2006.01 )  
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**(43)** 23.06.2022  
**(72)** FRIPP, Michael Linley; SEVADJIAN, Emile Edmund; GHARESI, Abdol Reza  
**(74)** PHILLIPS ORMONDE FITZPATRICK

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 (21) 2020483339 (22) 23.12.2020  
 (54) FLUID FLOW CONTROL DEVICES AND DOWNHOLE FLOATS  
 (51) Int. Cl.  
*E21B 43/12* ( 2006.01 )  
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 (87) WO2022/139834  
 (31) 17/130,859 (32) 22.12.20 (33) US  
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 (72) MCCHESENEY, Ryan Wesley; GRECI, Stephen Michael; ORNELAZ, Richard Decena  
 (74) PHILLIPS ORMONDE FITZPATRICK
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 (21) 2020483347 (22) 30.12.2020  
 (54) 3D PRINTED BARREL SLIP  
 (51) Int. Cl.  
*E21B 33/126* ( 2006.01 )  
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 (72) FRIPP, Michael Linley; APICHARTTH-ABRUT, Terapat; MURPHY, Robert Travis  
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 (11) AU-A-2020483459  
 (21) 2020483459 (22) 22.12.2020  
 (54) FLUID FLOW CONTROL DEVICES AND METHODS TO REDUCE OVER-SPEED OF A FLUID FLOW CONTROL DEVICE  
 (51) Int. Cl.  
*E21B 43/12* ( 2006.01 )  
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 (31) 17/128,948 (32) 21.12.20 (33) US  
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 (72) MCCHESENEY, Ryan Wesley; GRECI, Stephen Michael; ORNELAZ, Richard Decena  
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 (21) 2021429122 (22) 28.02.2021  
 (54) PACKER SUB WITH CHECK VALVE  
 (51) Int. Cl.  
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*E21B 23/06* ( 2006.01 )  
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 (87) WO2022/182367  
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 (72) HOWITT, Garry Martin  
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 (11) AU-A-2021429123  
 (21) 2021429123 (22) 11.03.2021  
 (54) GUIDE SUB FOR MULTILATERAL JUNCTION  
 (51) Int. Cl.  
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*A61P 27/02* ( 2006.01 )  
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*C12N 5/07* ( 2010.01 )  
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 (51) Int. Cl.  
*C11D 3/10* ( 2006.01 )  
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*C11D 3/50* ( 2006.01 )  
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TECTOR TO DEFLECT DEBRIS AWAY  
FROM A SET OF SUSPENSION COM-  
PONENTS OF A TRACKED VEHICLE
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**G06F 3/16** ( 2006.01 )  
**G06N 3/00** ( 2023.01 )  
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**E01C 23/09** ( 2006.01 )  
**G01N 33/38** ( 2006.01 )  
**G05D 1/02** ( 2020.01 )
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WHEELS
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**B28D 1/04** ( 2006.01 )  
**B28D 7/00** ( 2006.01 )  
**E01C 23/09** ( 2006.01 )  
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DUCTION OF HYDROGEN FROM A  
CARRIER FLUID AND DISPOSAL OF  
SOLID BYPRODUCTS
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**B01J 7/00** ( 2006.01 )  
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**C01B 3/02** ( 2006.01 )  
**C01B 3/06** ( 2006.01 )
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- (51) Int. Cl.  
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MOUNT SINAI
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POSOMIC CLINICAL APPLICATIONS
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MOUNT SINAI
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USE IN TREATING MYELOFIBROSIS
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**A61P 19/08** ( 2006.01 )  
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 (51) Int. Cl.  
 A61K 9/19 ( 2006.01 )  
 A61K 31/675 ( 2006.01 )  
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 A61P 25/08 ( 2006.01 )  
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 A61K 35/74 ( 2015.01 )  
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 C12N 1/21 ( 2006.01 )  
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(71) ILLINOIS TOOL WORKS INC.  
 (11) AU-A-2021369354  
 (21) 2021369354 (22) 25.10.2021  
 (54) METHODS AND APPARATUS FOR CONTROL OF RADIOGRAPHIC SOURCE EXPOSURE  
 (51) Int. Cl.  
 A61B 6/10 ( 2006.01 )  
 A61B 6/00 ( 2006.01 )  
 G01N 23/00 ( 2006.01 )  
 G21F 5/015 ( 2006.01 )  
 G21G 4/06 ( 2006.01 )  
 (87) WO2022/093679  
 (31) 63/106,664 (32) 28.10.20 (33) US  
 17/500,617 13.10.21 US  
 (43) 05.05.2022  
 (72) GRENIER, Steve J.; CROSBY, John H.; AUZENNE, Curtis D.  
 (74) Davies Collison Cave Pty Ltd

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(71) IMAGINE PHARMA LLC  
 (11) AU-A-2021394748  
 (21) 2021394748 (22) 07.12.2021  
 (54) COMPOSITIONS AND METHODS FOR TREATING WOUNDS  
 (51) Int. Cl.  
 A61K 38/00 ( 2006.01 )  
 A61K 31/00 ( 2006.01 )  
 A61P 17/00 ( 2006.01 )  
 A61P 17/02 ( 2006.01 )  
 C07K 14/47 ( 2006.01 )  
 (87) WO2022/125593  
 (31) 63/122,746 (32) 08.12.20 (33) US  
 (43) 16.06.2022  
 (72) THAI, Ngoc; POLLETT, Jonathan  
 (74) FPA Patent Attorneys Pty Ltd

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(71) IMMUNE-ONC THERAPEUTICS, INC.  
 (11) AU-A-2021365142  
 (21) 2021365142 (22) 20.10.2021  
 (54) NOVEL ANTI-LILRB2 ANTIBODIES AND DERIVATIVE PRODUCTS  
 (51) Int. Cl.  
 A61K 39/395 ( 2006.01 )  
 A61P 35/00 ( 2006.01 )  
 C07K 16/00 ( 2006.01 )  
 C07K 16/28 ( 2006.01 )  
 (87) WO2022/087188  
 (31) 63/094,354 (32) 21.10.20 (33) US  
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 (43) 28.04.2022  
 (72) COSTA, Maria Jose; STAFFORD, Ryan; MCCUTCHEON, Krista; MA, Jing-Tyan; HONG, Kyu Hee; TIAN, Hongyu; SONG, An; LIAO, X. Charlene  
 (74) PHILLIPS ORMONDE FITZPATRICK

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(71) IMMIVIRA CO., LIMITED  
 (11) AU-A-2021372704  
 (21) 2021372704 (22) 25.10.2021  
 (54) EXOSOMES CONTAINING MIRNAS TARGETING HER2 SYNTHESIS AND PHARMACEUTICAL COMPOSITIONS  
 (51) Int. Cl.  
 A61K 39/44 ( 2006.01 )  
 A61K 48/00 ( 2006.01 )

A61P 35/00 ( 2006.01 )  
 (87) WO2022/089382  
 (31) PCT/ CN2020/123619 (32) 26.10.20 (33) CN  
 (43) 05.05.2022  
 (72) CHEN, Xiaoqing; WANG, Lei; ZHOU, Xusha; ZHOU, Grace Guoying  
 (74) Madderns Pty Ltd

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(71) INCYTE CORPORATION  
 (11) AU-A-2021373044  
 (21) 2021373044 (22) 05.11.2021  
 (54) PROCESS FOR MAKING A PD-1/PD-L1 INHIBITOR AND SALTS AND CRYSTALLINE FORMS THEREOF  
 (51) Int. Cl.  
 C07D 413/14 ( 2006.01 )  
 C07C 237/46 ( 2006.01 )  
 C07C 255/53 ( 2006.01 )  
 C07C 255/60 ( 2006.01 )  
 C07D 211/34 ( 2006.01 )  
 C07D 471/04 ( 2006.01 )  
 (87) WO2022/099071  
 (31) 63/110,792 (32) 06.11.20 (33) US  
 (43) 12.05.2022  
 (72) WANG, Dengjin; CARPER, Daniel; JIA, Zhongjiang; SHEN, Bo; SCLAFANI, Joseph A.; WILSON, Robert; ZHOU, Jiacheng; SULEIMAN, Osama; WRIGHT, Mark  
 (74) Houlihan Intellectual Property Pty Ltd

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(71) INDUSTRIAL POLYMERS AND CHEMICALS, INC.  
 (11) AU-A-2021370895  
 (21) 2021370895 (22) 21.10.2021  
 (54) AIR FILTER WITH PATHOGEN MONITORING AND INACTIVATION  
 (51) Int. Cl.  
 B01D 39/08 ( 2006.01 )  
 B01D 39/14 ( 2006.01 )  
 B01D 39/20 ( 2006.01 )  
 B01D 46/00 ( 2022.01 )  
 (87) WO2022/093620  
 (31) 63/107,388 (32) 29.10.20 (33) US  
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 (43) 05.05.2022  
 (72) KENNEDY, Thomas J., III; DACEY, Ralph G., Jr.  
 (74) Davies Collison Cave Pty Ltd

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 (11) AU-A-2021372646  
 (21) 2021372646 (22) 25.10.2021  
 (54) A PRESSURE ACTUATED VALVE FOR USE DURING INSTALLATION AND COMMISSION OF A PRODUCTION STRING  
 (51) Int. Cl.  
 E21B 23/00 ( 2006.01 )  
 E21B 34/10 ( 2006.01 )  
 E21B 43/12 ( 2006.01 )  
 (87) WO2022/090132  
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 (43) 05.05.2022  
 (72) WERSWICK, Bjørnar; NOMME, Christian  
 (74) Griffith Hack



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 (11) AU-A-2021363135  
 (21) 2021363135 (22) 21.10.2021  
 (54) COMPOSITIONS AND METHODS FOR TREATING NEURONAL DISORDERS WITH CANNABINOIDS  
 (51) Int. Cl.  
 A61K 31/192 ( 2006.01 )  
 A61K 31/05 ( 2006.01 )  
 A61K 31/223 ( 2006.01 )  
 A61K 31/225 ( 2006.01 )  
 A61P 25/28 ( 2006.01 )  
 (87) WO2022/082313  
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 (43) 28.04.2022  
 (72) HSU, Eric; KADHIM, Salam; SOMVANSHI, Rishi; KUMAR, Ujendra  
 (74) Spruson & Ferguson
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- (71) INNOVATIVE MOLECULES GMBH  
 (11) AU-A-2021367976  
 (21) 2021367976 (22) 28.10.2021  
 (54) DEUTERATED AMINOTHIAZOLE COMPOUNDS AS ANTIVIRAL COMPOUNDS  
 (51) Int. Cl.  
 C07D 277/54 ( 2006.01 )  
 A61K 31/426 ( 2006.01 )  
 A61P 31/22 ( 2006.01 )  
 C07B 59/00 ( 2006.01 )  
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 (31) 20204545.6 (32) 29.10.20 (33) EP  
 (43) 05.05.2022  
 (72) GEGE, Christian; KLEYMANN, Gerald  
 (74) AJ PARK
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- (71) INOLEX INVESTMENT CORPORATION  
 (11) AU-A-2021372958  
 (21) 2021372958 (22) 04.11.2021  
 (54) BIOBASED GLYCERYL HEPTANOATE ESTER COMPOSITIONS AND METHODS OF MAKING AND USING THE SAME  
 (51) Int. Cl.  
 A61K 8/37 ( 2006.01 )  
 A61K 8/55 ( 2006.01 )  
 A61Q 1/00 ( 2006.01 )  
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 (72) FEVOLA, Michael J.; MOSSER, Gary B.; ZHANG, Zongyu  
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- (71) INOVIOBIOLOGIC, INC.  
 (11) AU-A-2021392316  
 (21) 2021392316 (22) 02.12.2021  
 (54) EUTECTIC MATRIX FOR NUTRACEUTICAL COMPOSITIONS  
 (51) Int. Cl.  
 A61K 47/20 ( 2006.01 )  
 A61K 31/352 ( 2006.01 )  
 A61K 47/10 ( 2017.01 )  
 A61K 47/14 ( 2017.01 )  
 A61K 47/44 ( 2017.01 )
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- (71) INOVYN EUROPE LIMITED  
 (11) AU-A-2021378764  
 (21) 2021378764 (22) 08.11.2021  
 (54) PROCESS FOR THE PRODUCTION OF A VINYL CHLORIDE-(METH)ACRYLATE COPOLYMER AND COMPOSITION COMPRISING SUCH A COPOLYMER  
 (51) Int. Cl.  
 C08F 214/06 ( 2006.01 )  
 C08F 220/12 ( 2006.01 )  
 C08F 259/04 ( 2006.01 )  
 C08K 3/36 ( 2006.01 )  
 C08L 27/06 ( 2006.01 )  
 (87) WO2022/101117  
 (31) 20207585.9 (32) 13.11.20 (33) EP  
 (43) 19.05.2022  
 (72) HERMANT, Thomas  
 (74) Griffith Hack
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- (71) INSITUGEN LIMITED  
 (11) AU-A-2021377119  
 (21) 2021377119 (22) 12.11.2021  
 (54) NOVEL STEROID HORMONE LIGAND ASSAYS  
 (51) Int. Cl.  
 C12Q 1/6897 ( 2018.01 )  
 G01N 33/74 ( 2006.01 )  
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 (43) 19.05.2022  
 (72) HEATHER, Alison Kay  
 (74) Catalyst Intellectual Property
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- (71) INSTITUTE OF MICROBIOLOGY, CHINESE ACADEMY OF SCIENCES  
 (11) AU-A-2021351815  
 (21) 2021351815 (22) 29.09.2021  
 (54) SCREENING AND ANTITUMOR USE OF KRAS MUTATION SPECIFIC T CELL RECEPTOR  
 (51) Int. Cl.  
 C07K 14/725 ( 2006.01 )  
 A61K 39/00 ( 2006.01 )  
 A61P 35/00 ( 2006.01 )  
 C12N 5/10 ( 2006.01 )  
 C12N 15/12 ( 2006.01 )  
 C12N 15/867 ( 2006.01 )  
 G01N 33/574 ( 2006.01 )  
 G01N 33/68 ( 2006.01 )  
 (87) WO2022/068850  
 (31) 202011047695.0 (32) 29.09.20 (33) CN  
 (43) 07.04.2022  
 (72) GAO, Fu; TAN, Shuguang; LU, Dan  
 (74) Spruson & Ferguson
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- (71) INSTITUTE OF ZOOLOGY, CHINESE ACADEMY OF SCIENCES; BEIJING INSTITUTE FOR STEM CELL AND REGENERATIVE MEDICINE  
 (11) AU-A-2021350981  
 (21) 2021350981 (22) 24.09.2021  
 (54) ACTIVATED PLURIPOTENT STEM CELL, AND PREPARATION METHOD THEREFOR AND USE THEREOF  
 (51) Int. Cl.  
 C12N 5/0735 ( 2010.01 )  
 (87) WO2022/063224  
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 (72) LI, Lei; WANG, Xiaoxiao; WANG, Qizhi  
 (74) PHILLIPS ORMONDE FITZPATRICK
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- (71) INSTITUT NATIONAL DE RECHERCHE POUR L'AGRICULTURE, L'ALIMENTATION ET L'ENVIRONNEMENT  
 (11) AU-A-2021348337  
 (21) 2021348337 (22) 28.09.2021  
 (54) COMBINED HEAT GENERATION AND WATER DESALINATION PLANT  
 (51) Int. Cl.  
 C02F 1/22 ( 2023.01 )  
 C02F 103/08 ( 2006.01 )  
 (87) WO2022/064161  
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 (43) 31.03.2022  
 (72) DELAHAYE, Anthony; FOURNAISON, Laurence; HUNLEDE, Romuald  
 (74) Griffith Hack
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- (71) INSTITUT NATIONAL DE RECHERCHE POUR L'AGRICULTURE, L'ALIMENTATION ET L'ENVIRONNEMENT; INSTITUT NATIONAL DES SCIENCES ET INDUSTRIES DU VIVANT ET DE L'ENVIRONNEMENT; UNIVERSITE PARIS-SACLAY  
 (11) AU-A-2021356135  
 (21) 2021356135 (22) 07.10.2021  
 (54) O-ACETYL SERINE FOR THE USE THEREOF IN THE PREVENTION AND TREATMENT OF GLUCOSE INTOLERANCE AND THE ASSOCIATED DISEASES  
 (51) Int. Cl.  
 A61K 31/198 ( 2006.01 )  
 A61P 3/10 ( 2006.01 )  
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 (72) DELORME, Christine; DOUARD, Véronique  
 (74) Spruson & Ferguson
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- (71) INTERCONTINENTAL GREAT BRANDS LLC  
 (11) AU-A-2021357059  
 (21) 2021357059 (22) 28.09.2021  
 (54) UNWRAPPED HARD CANDY PRODUCT; ISOMALT CONFECTIONERY; METHOD OF MAKING AND USE THEREOF  
 (51) Int. Cl.

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**A23G 3/42** ( 2006.01 )  
**A23G 3/48** ( 2006.01 )  
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 63/210,327 14.06.21 US  
**(43)** 14.04.2022  
**(72)** NORTON, Clive R.; JINDAL, Khyati A.;  
 OZTEKIN, Mine; POLAK, William M.  
**(74)** Griffith Hack
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- (71)** INTERDIGITAL VC HOLDINGS  
 FRANCE, SAS  
**(11)** AU-A-2021381550  
**(21)** 2021381550 **(22)** 10.11.2021  
**(54)** INTRA PREDICTION WITH GEOMET-  
 RIC PARTITION  
**(51)** Int. Cl.  
**H04N 19/105** ( 2014.01 )  
**H04N 19/11** ( 2014.01 )  
**H04N 19/119** ( 2014.01 )  
**H04N 19/12** ( 2014.01 )  
**H04N 19/147** ( 2014.01 )  
**H04N 19/157** ( 2014.01 )  
**H04N 19/176** ( 2014.01 )  
**H04N 19/59** ( 2014.01 )  
**H04N 19/593** ( 2014.01 )  
**H04N 19/70** ( 2014.01 )  
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**(31)** 20306397.9 **(32)** 18.11.20 **(33)** EP  
**(43)** 27.05.2022  
**(72)** CHEN, Ya; RATH, Gagan Bihari;  
 NASER, Karam; ROBERT, Antoine  
**(74)** Spruson & Ferguson
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- (71)** INTER-MED, INC.  
**(11)** AU-A-2021368213  
**(21)** 2021368213 **(22)** 26.10.2021  
**(54)** NOVEL ENDODONTIC IRRIGANT  
**(51)** Int. Cl.  
**A61K 6/00** ( 2020.01 )  
**A61L 2/18** ( 2006.01 )  
**C11D 3/36** ( 2006.01 )  
**(87)** WO2022/094555  
**(31)** 63/105,561 **(32)** 26.10.20 **(33)** US  
**(43)** 05.05.2022  
**(72)** BAETEN, John; KANDATHIL, Thomas;  
 JOHNSON, Alex; BARRY, Katherine  
**(74)** Ribeiro IP Limited
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- (71)** INTERNATIONAL ADVANCED RE-  
 SEARCH CENTRE FOR POWDER  
 METALLURGY AND NEW MATERIALS  
 (ARCI)  
**(11)** AU-A-2021412505  
**(21)** 2021412505 **(22)** 06.12.2021  
**(54)** METHOD OF PRODUCING IN-SITU  
 CARBON COATED LITHIUM IRON  
 PHOSPHATE CATHODE MATERIAL  
 FOR LITHIUM-ION BATTERIES AND  
 THE PRODUCT THEREOF  
**(51)** Int. Cl.  
**H01M 10/0525** ( 2010.01 )  
**H01M 4/131** ( 2010.01 )  
**H01M 4/1391** ( 2010.01 )  
**H01M 4/36** ( 2006.01 )  
**H01M 4/58** ( 2010.01 )  
**(87)** WO2022/144917  
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- (43)** 07.07.2022  
**(72)** ANANDAN, Srinivasan; VIJAY, Ravula;  
 RAO, Tata Narasinga  
**(74)** Golja Haines & Friend
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- (71)** INTERNATIONAL BOXES S.R.L.  
**(11)** AU-A-2022278721  
**(21)** 2022278721 **(22)** 19.05.2022  
**(54)** A SYSTEM AND METHOD FOR  
 FORMING AND FANFOLDING A  
 SHEET MATERIAL  
**(51)** Int. Cl.  
**B65H 45/101** ( 2006.01 )  
**(87)** WO2022/243923  
**(31)** 102021000012926 **(32)** 19.05.21 **(33)** IT  
**(43)** 24.11.2022  
**(72)** CAPOIA, Giuseppe  
**(74)** Spruson & Ferguson
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- (71)** INTERNATIONAL BUSINESS MA-  
 CHINES CORPORATION  
**(11)** AU-A-2021379051  
**(21)** 2021379051 **(22)** 09.11.2021  
**(54)** STRETCH FACTOR ERROR MITIG-  
 ATION ENABLED QUANTUM COM-  
 PUTERS  
**(51)** Int. Cl.  
**G06N 10/00** ( 2022.01 )  
**(87)** WO2022/101226  
**(31)** 17/095,030 **(32)** 11.11.20 **(33)** US  
**(43)** 19.05.2022  
**(72)** EGGER, Daniel; GREENBERG, Don;  
 MCCCLURE III, Douglas; SHELDON,  
 Sarah Elizabeth; KIM, Youngseok  
**(74)** Spruson & Ferguson
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- (71)** INTERNATIONAL WATERS PTY LTD  
 T/A ALPHA-H  
**(11)** AU-A-2021369845  
**(21)** 2021369845 **(22)** 27.10.2021  
**(54)** RETINOL COMPOSITIONS, METH-  
 ODS OF THEIR PREPARATION AND  
 USE  
**(51)** Int. Cl.  
**A61K 31/352** ( 2006.01 )  
**A61K 9/107** ( 2006.01 )  
**A61K 31/05** ( 2006.01 )  
**A61K 36/185** ( 2006.01 )  
**A61P 3/06** ( 2006.01 )  
**A61P 3/10** ( 2006.01 )  
**A61P 19/02** ( 2006.01 )  
**A61P 25/22** ( 2006.01 )  
**A61P 29/00** ( 2006.01 )  
**A61P 31/14** ( 2006.01 )  
**A61P 43/00** ( 2006.01 )  
**(87)** WO2022/087666  
**(31)** 2020903892 **(32)** 27.10.20 **(33)** AU  
**(43)** 05.05.2022  
**(72)** OVENELL, Toni  
**(74)** FPA Patent Attorneys Pty Ltd
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- (71)** INTERVET INTERNATIONAL B.V.  
**(11)** AU-A-2021375259  
**(21)** 2021375259 **(22)** 03.11.2021  
**(54)** CANINE PARVOVIRUS  
**(51)** Int. Cl.  
**C12N 7/00** ( 2006.01 )
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- A61K 39/23** ( 2006.01 )  
**A61P 31/02** ( 2006.01 )  
**C12N 7/08** ( 2006.01 )  
**(87)** WO2022/096472  
**(31)** 20205745.1 **(32)** 04.11.20 **(33)** EP  
**(43)** 12.05.2022  
**(72)** PEARCE, Jacqueline  
**(74)** Spruson & Ferguson
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- (71)** INTERVET INTERNATIONAL B.V.  
**(11)** AU-A-2021378483  
**(21)** 2021378483 **(22)** 11.11.2021  
**(54)** RECOMBINANT VECTORS ENCOD-  
 ING CHIMERIC CORONAVIRUS  
 SPIKE PROTEINS AND USE THERE-  
 OF  
**(51)** Int. Cl.  
**A61K 39/12** ( 2006.01 )  
**A61P 31/12** ( 2006.01 )  
**A61P 31/14** ( 2006.01 )  
**C07K 14/005** ( 2006.01 )  
**C07K 14/165** ( 2006.01 )  
**(87)** WO2022/101307  
**(31)** 20207302.9 **(32)** 12.11.20 **(33)** EP  
 21166533.6 01.04.21 EP  
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**(72)** LANGEREIS, Martijn, Alexander; DE  
 GROOF, Ad; VERMEIJ, Paul; BOSCH,  
 Berend, Jan  
**(74)** Spruson & Ferguson
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- (71)** INVENTIO AG  
**(11)** AU-A-2021377382  
**(21)** 2021377382 **(22)** 09.11.2021  
**(54)** METHOD FOR OPERATING AN ELEV-  
 ATOR FOR MAINTENANCE  
**(51)** Int. Cl.  
**B66B 5/00** ( 2006.01 )  
**(87)** WO2022/101212  
**(31)** 20206759.1 **(32)** 10.11.20 **(33)** EP  
**(43)** 19.05.2022  
**(72)** VILLA, Valerio  
**(74)** Griffith Hack
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- (71)** IPANEMA INDUSTRIA DE PRODUTOS  
 VETERINARIOS LTDA  
**(11)** AU-A-2021361343  
**(21)** 2021361343 **(22)** 14.10.2021  
**(54)** MICROSUSPENSION AGAINST  
 PARASITES AND METHOD FOR OB-  
 TAINING SAME  
**(51)** Int. Cl.  
**A61K 31/4184** ( 2006.01 )  
**A61K 9/10** ( 2006.01 )  
**A61K 31/365** ( 2006.01 )  
**A61P 33/10** ( 2006.01 )  
**(87)** WO2022/077087  
**(31)** BR 10 2020 **(32)** 16.10.20 **(33)** BR  
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**(43)** 21.04.2022  
**(72)** MASCARO, Claudio  
**(74)** Spruson & Ferguson
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- (71)** ITM SOLUCIN GMBH  
**(11)** AU-A-2021388832  
**(21)** 2021388832 **(22)** 24.11.2021

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- (54) STABLE FORMULATIONS FOR RADIOISOTOPE COMPLEXES  
 (51) Int. Cl.  
**A61K 51/08** ( 2006.01 )  
**A61K 9/00** ( 2006.01 )  
**A61K 9/08** ( 2006.01 )  
**A61K 47/12** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**A61K 103/30** ( 2006.01 )  
 (87) WO2022/112323  
 (31) PCT/ (32) 25.11.20 (33) EP  
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 (43) 02.06.2022  
 (72) MARX, Sebastian; LEIB, Oliver;  
 HEAMES, Luke; ANDREOLLI, Elena  
 Maria  
 (74) ALLENS PATENT & TRADE MARK  
 ATTORNEYS
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- (71) ITT MANUFACTURING ENTERPRISES LLC  
 (11) AU-A-2020474479  
 (21) 2020474479 (22) 28.10.2020  
 (54) RIGID MOUNTING CONNECTOR  
 (51) Int. Cl.  
**H05K 13/00** ( 2006.01 )  
**G02B 7/02** ( 2021.01 )  
**H01L 23/32** ( 2006.01 )  
**H01L 23/40** ( 2006.01 )  
**H01R 12/75** ( 2011.01 )  
**H01R 24/50** ( 2011.01 )  
 (87) WO2022/093209  
 (43) 05.05.2022  
 (72) DECOOK, Bradley  
 (74) Spruson & Ferguson
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- (71) IVERIC BIO, INC.  
 (11) AU-A-2021372540  
 (21) 2021372540 (22) 31.10.2021  
 (54) METHODS FOR TREATING OPHTHALMOLOGICAL CONDITIONS  
 (51) Int. Cl.  
**A61K 31/7088** ( 2006.01 )  
**A61K 31/712** ( 2006.01 )  
**A61K 47/60** ( 2017.01 )  
**A61P 27/02** ( 2006.01 )  
**C12N 15/115** ( 2010.01 )  
 (87) WO2022/094364  
 (31) 63/108,428 (32) 01.11.20 (33) US  
 63/108,427 01.11.20 US  
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 63/212,102 17.06.21 US  
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 (43) 05.05.2022  
 (72) DUGEL, Pravin; DESAI, Dhaval, B.  
 (74) Spruson & Ferguson
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- (71) JADE BIRD DISPLAY (SHANGHAI) LIMITED  
 (11) AU-A-2021350172  
 (21) 2021350172 (22) 27.09.2021  
 (54) DISPLAY PANELS WITH AN INTEGRATED OFF-AXIS MICRO-LENS ARRAY  
 (51) Int. Cl.  
**H01L 33/58** ( 2010.01 )  
**G02B 3/00** ( 2006.01 )  
 (87) WO2022/067176  
 (31) 63/083,972 (32) 27.09.20 (33) US
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- (43) 31.03.2022  
 (72) LI, Qiming; ZHU, Yuankun; ZHAO, Shuang  
 (74) FPA Patent Attorneys Pty Ltd
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- (71) JANSSEN PHARMACEUTICA NV  
 (11) AU-A-2021346843  
 (21) 2021346843 (22) 23.09.2021  
 (54) NEW COMPOUNDS  
 (51) Int. Cl.  
**C07D 237/28** ( 2006.01 )  
**A61K 31/502** ( 2006.01 )  
**A61P 1/16** ( 2006.01 )  
**A61P 3/10** ( 2006.01 )  
**A61P 9/04** ( 2006.01 )  
**A61P 13/12** ( 2006.01 )  
**A61P 19/02** ( 2006.01 )  
**A61P 25/00** ( 2006.01 )  
**A61P 29/00** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07D 401/12** ( 2006.01 )  
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**C07D 471/04** ( 2006.01 )  
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- (71) JANSSEN PHARMACEUTICA NV  
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 (54) NEW COMPOUNDS  
 (51) Int. Cl.  
**C07D 237/28** ( 2006.01 )  
**A61K 31/5025** ( 2006.01 )  
**A61P 1/16** ( 2006.01 )  
**A61P 3/10** ( 2006.01 )  
**A61P 9/04** ( 2006.01 )  
**A61P 13/12** ( 2006.01 )  
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**C07D 471/04** ( 2006.01 )  
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**A61P 9/12** ( 2006.01 )  
**A61P 11/00** ( 2006.01 )  
**A61P 17/06** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
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**C07D 491/107** ( 2006.01 )  
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**C07D 471/04** ( 2006.01 )  
**A61K 31/4375** ( 2006.01 )  
**A61K 31/519** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
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 (31) 20198367.3 (32) 25.09.20 (33) EP  
 (43) 31.03.2022  
 (72) MEVELLEC, Laurence, Anne; COUPA ÉP. DESCAMPS, Sophie; ADELINET, Christophe, Denis, Pascal; LIGNY, Yannick, Aimé, Eddy; MEYER, Christophe  
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 (21) 2021350335 (22) 21.09.2021  
 (54) CYCLOBUTYL AMIDE MONOACYLGLYCEROL LIPASE MODULATORS  
 (51) Int. Cl.  
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**A61K 31/403** ( 2006.01 )  
**A61K 31/438** ( 2006.01 )  
**A61P 27/02** ( 2006.01 )  
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**C07D 205/12** ( 2006.01 )  
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**C07D 221/20** ( 2006.01 )  
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**C07D 405/04** ( 2006.01 )  
**C07D 413/04** ( 2006.01 )  
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- (71) JAPAN TOBACCO INC.  
 (11) AU-A-2021357608  
 (21) 2021357608 (22) 04.10.2021  
 (54) TETRAHYDROBENZOFURODIAZEPINONE COMPOUNDS AND PHARMACEUTICAL APPLICATIONS THEREOF  
 (51) Int. Cl.

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- NAKAGAWA, Yuichi; YAMAOKA, Nobu-taka  
**(74)** PHILLIPS ORMONDE FITZPATRICK
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- (71)** JFE STEEL CORPORATION; JFE GALVANIZING & COATING CO., LTD.  
**(11)** AU-A-2021369097  
**(21)** 2021369097 **(22)** 18.10.2021  
**(54)** HOT-DIP Al-Zn-Si-Mg-PLATED STEEL SHEET, SURFACE-TREATED STEEL SHEET, AND COATED STEEL SHEET  
**(51)** Int. Cl.  
**C23C 2/12** ( 2006.01 )  
**B32B 15/08** ( 2006.01 )  
**B32B 15/092** ( 2006.01 )  
**B32B 15/095** ( 2006.01 )  
**C22C 18/04** ( 2006.01 )  
**C22C 21/10** ( 2006.01 )  
**C22C 30/06** ( 2006.01 )  
**C23C 2/06** ( 2006.01 )  
**C23C 2/26** ( 2006.01 )  
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**(72)** YOSHIDA Masahiro; TAIRA Shoi-chiro; OOI Toshihiko; IWANO Sumihisa; SATO Youhei; KANNO Fumitaka; ANDO Satoru  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** JIANG, Y.  
**(11)** AU-A-2021428431  
**(21)** 2021428431 **(22)** 16.12.2021  
**(54)** SMART PASSWORD IMPLEMENTATION METHOD AND APPARATUS, AND ELECTRONIC DEVICE AND COMPUTER-READABLE MEDIUM  
**(51)** Int. Cl.  
**H04L 67/02** ( 2022.01 )  
**H04L 9/40** ( 2022.01 )  
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**(72)** JIANG, Yunfan  
**(74)** Michael Buck IP
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**(11)** AU-A-2022215754  
**(21)** 2022215754 **(22)** 05.02.2022  
**(54)** URACIL COMPOUND CONTAINING CARBOXYLATE FRAGMENT AND PREPARATION METHOD THEREFOR, HERBICIDAL COMPOSITION, AND USE  
**(51)** Int. Cl.  
**C07D 239/54** ( 2006.01 )  
**A01N 37/00** ( 2006.01 )  
**A01N 43/54** ( 2006.01 )  
**A01N 55/00** ( 2006.01 )  
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**C07D 239/553** ( 2006.01 )  
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- (71)** JIANGSU HENGRUI PHARMACEUTICALS CO., LTD.; SHANGHAI HENGRUI PHARMACEUTICAL CO., LTD.  
**(11)** AU-A-2021354821  
**(21)** 2021354821 **(22)** 29.09.2021  
**(54)** CRYSTAL FORM OF PYRROLO HETEROCYCLIC DERIVATIVE AND PREPARATION METHOD THEREFOR  
**(51)** Int. Cl.  
**C07D 487/04** ( 2006.01 )  
**A61K 31/4188** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
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**(72)** ZHOU, Xianqiang; SHAO, Cheng; YOU, Lingfeng; DU, Zhenxing; WANG, Jie  
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- (71)** JOHNSTON, M.N.  
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**(54)** HEADSTAND BENCH  
**(51)** Int. Cl.  
**A63B 21/00** ( 2006.01 )  
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**(43)** 19.05.2022  
**(72)** JOHNSTON, Marni Nicole  
**(74)** PIPERS
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- (71)** JOY GLOBAL SURFACE MINING INC  
**(11)** AU-A-2021360492  
**(21)** 2021360492 **(22)** 13.10.2021  
**(54)** OBJECT PROXIMITY DETECTION AND FEEDBACK SYSTEM FOR A MINING MACHINE  
**(51)** Int. Cl.  
**G08G 1/16** ( 2006.01 )  
**(87)** WO2022/081744  
**(31)** 63/090,899 **(32)** 13.10.20 **(33)** US  
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**(72)** TAYLOR, Wesley, P.; REILAND, Matthew; MALEGAM, Keshad, D.  
**(74)** Griffith Hack
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- (71)** KABUSHIKI KAISHA TOSHIBA; TOSHIBA INFRASTRUCTURE SYSTEMS & SOLUTIONS CORPORATION  
**(11)** AU-A-2021427678  
**(21)** 2021427678 **(22)** 12.02.2021  
**(54)** APPARATUS CLASSIFICATION SYMBOL IDENTIFYING DEVICE  
**(51)** Int. Cl.  
**G06Q 10/06** ( 2023.01 )
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**(72)** IJIMA, Takuya; YAMASHITA, Lan; IWAMASA, Mikito; FUJIWARA, Koji  
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- (71)** KALIVIR IMMUNOTHERAPEUTICS, INC.  
**(11)** AU-A-2021385059  
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**(54)** ONCOLYTIC IMMUNOTHERAPY BY TUMOR MICRO-ENVIRONMENT REMODELING  
**(51)** Int. Cl.  
**A61K 38/17** ( 2006.01 )  
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**(31)** 63/116,004 **(32)** 19.11.20 **(33)** US  
**(43)** 27.05.2022  
**(72)** THORNE, Stephen Howard; ZHANG, Mingrui; BYRD, Daniel J.  
**(74)** Pizzey's Patent and Trade Mark Attorneys Pty Ltd
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- (71)** KAO CORPORATION  
**(11)** AU-A-2021398166  
**(21)** 2021398166 **(22)** 19.11.2021  
**(54)** HYDROPHILIZING AGENT COMPOSITION FOR HARD SURFACES  
**(51)** Int. Cl.  
**C09K 3/00** ( 2006.01 )  
**(87)** WO2022/124049  
**(31)** 2020-203875 **(32)** 09.12.20 **(33)** JP  
**(43)** 16.06.2022  
**(72)** MENDORI Akari; SAITO Takanori  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** KATHOLIEKE UNIVERSITEIT LEUVEN; SPRINGWORKS THERAPEUTICS, INC.; VIB VZW  
**(11)** AU-A-2021353009  
**(21)** 2021353009 **(22)** 30.09.2021  
**(54)** 1,2,3,4-TETRAHYDROQUINOLINE DERIVATIVES AS INHIBITORS OF THE YAP/TAZ-TEAD ACTIVATION FOR TREATING CANCER  
**(51)** Int. Cl.  
**C07D 215/38** ( 2006.01 )  
**A61K 31/47** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07D 215/12** ( 2006.01 )  
**C07D 401/04** ( 2006.01 )  
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**(72)** MARCHAND, Arnaud; CANDI, Aurelie; VANDERHOYDONCK, Bart; VERSELE, Matthias; GWALTNEY, II, Stephen L.  
**(74)** FB Rice Pty Ltd

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DH, INC.  
(11) AU-A-2021368240  
(21) 2021368240 (22) 26.10.2021  
(54) HIGH POWER WATER ELECTROLYSIS PLANT CONFIGURATION OPTIMIZED FOR SECTIONAL MAINTENANCE  
(51) Int. Cl.  
C25B 9/70 (2021.01)  
C25B 1/04 (2021.01)  
C25B 9/65 (2021.01)  
C25B 15/00 (2006.01)  
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(54) ANTIGEN-BINDING MOLECULES THAT BIND TO PORPHYROMONAS GINGIVALIS  
(51) Int. Cl.  
A61K 8/64 (2006.01)  
A61L 27/54 (2006.01)  
A61L 29/16 (2006.01)  
C07K 16/12 (2006.01)  
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(72) NARA, Peter L.; SINDELAR, Daniel L.  
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- (71) KOBAYASHI PHARMACEUTICAL CO., LTD.  
(11) AU-A-2021374137  
(21) 2021374137 (22) 18.10.2021  
(54) EAR MOUNTING FIXTURE AND HEATING IMPLEMENT  
(51) Int. Cl.  
A61F 7/03 (2006.01)  
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(72) SEKIDO Yuji; ASANO Ryota; UJIHARA Yoshihiro  
(74) FB Rice Pty Ltd
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- (71) KOENIG & BAUER AG  
(11) AU-A-2021353790  
(21) 2021353790 (22) 18.08.2021  
(54) DEVICE AND METHOD FOR ALIGNING MAGNETIC OR MAGNETISABLE PARTICLES, AND MACHINE FOR  
GENERATING OPTICALLY VARIABLE IMAGE ELEMENTS  
(51) Int. Cl.  
B41F 11/02 (2006.01)  
B41F 13/193 (2006.01)  
B41F 19/00 (2006.01)  
B41F 23/00 (2006.01)  
B41F 23/04 (2006.01)  
B41M 3/14 (2006.01)  
B42D 25/369 (2014.01)  
B42D 25/41 (2014.01)  
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- (71) KONINKLIJKE PHILIPS N.V.  
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(21) 2021353454 (22) 23.09.2021  
(54) ANTI-FOULING UNIT AND METHOD OF APPLYING A PLURALITY OF ANTI-FOULING UNITS TO A SURFACE  
(51) Int. Cl.  
B08B 17/02 (2006.01)  
B63B 59/04 (2006.01)  
F21V 23/02 (2006.01)  
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(72) HIETBRINK, Roelant, Boudewijn; SALTERS, Bart, Andre  
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(21) 2021353995 (22) 30.09.2021  
(54) BRUSH FOR USE IN A CLEANING DEVICE FOR CLEANING SURFACES  
(51) Int. Cl.  
A46B 13/00 (2006.01)  
A46B 13/02 (2006.01)  
A47L 11/08 (2006.01)  
A47L 11/20 (2006.01)  
A47L 11/202 (2006.01)  
A47L 11/30 (2006.01)  
A47L 11/40 (2006.01)  
A46B 11/00 (2006.01)  
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- (71) KONINKLIJKE PHILIPS N.V.  
(11) AU-A-2021357118  
(21) 2021357118 (22) 29.09.2021  
(54) METHODS AND SYSTEMS FOR STORING GENOMIC DATA IN A FILE  
STRUCTURE COMPRISING PROTECTION METADATA  
(51) Int. Cl.  
G16B 50/50 (2019.01)  
G16B 50/40 (2019.01)  
(87) WO2022/073810  
(31) 63/088061 (32) 06.10.20 (33) US  
(43) 14.04.2022  
(72) CHEUNG, Yee, Him  
(74) FB Rice Pty Ltd
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(11) AU-A-2021357587  
(21) 2021357587 (22) 04.10.2021  
(54) METHODS AND SYSTEMS FOR STORING GENOMIC DATA IN A FILE STRUCTURE COMPRISING AN INFORMATION METADATA STRUCTURE  
(51) Int. Cl.  
G16B 50/50 (2019.01)  
G16B 50/30 (2019.01)  
G16B 50/40 (2019.01)  
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(31) 63088,055 (32) 06.10.20 (33) US  
(43) 14.04.2022  
(72) CHEUNG, Yee, Him  
(74) FB Rice Pty Ltd
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- (71) KOZOR UGANDER CAPITAL PTY LIMITED  
(11) AU-A-2021347597  
(21) 2021347597 (22) 24.09.2021  
(54) A METHOD AND A SYSTEM FOR PRODUCING A STANDARD 12-LEAD ECG  
(51) Int. Cl.  
A61B 5/282 (2021.01)  
A61B 5/00 (2006.01)  
A61B 5/327 (2021.01)  
A61B 5/332 (2021.01)  
A61B 5/341 (2021.01)  
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(72) UGANDER, Martin; CURTIS, Teddy, M.L.  
(74) FB Rice Pty Ltd
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- (71) KUHN SAS  
(11) AU-A-2021346784  
(21) 2021346784 (22) 14.09.2021  
(54) METHOD FOR WORKING A PLOT OF LAND BY A FLEET OF AT LEAST TWO AGRICULTURAL ROBOTS  
(51) Int. Cl.  
A01B 69/00 (2006.01)  
G05D 1/00 (2006.01)  
G05D 1/02 (2020.01)  
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(31) FR2009696 (32) 24.09.20 (33) FR  
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(72) HOELLINGER, Marie; POTIER, Philippe; LABOUREY, Quentin; JARRASSIER, Benoit  
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 (11) AU-A-2021365642  
 (21) 2021365642 (22) 25.10.2021  
 (54) MINIMAL FOOTPRINT HIGH DENSITY FERMENTATION OF PLANT BYPRODUCTS  
 (51) Int. Cl.  
     **C12M 1/34** ( 2006.01 )  
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 (87) WO2022/087534  
 (31) 63/105,276 (32) 24.10.20 (33) US  
 (43) 28.04.2022  
 (72) KENDIRGI, Frederic; YOON, Sung-Yong Harrison  
 (74) Davies Collison Cave Pty Ltd

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 (11) AU-A-2021369454  
 (21) 2021369454 (22) 28.10.2021  
 (54) METHODS FOR CEREAL CROP HYBRID TEST CROSS EVALUATION  
 (51) Int. Cl.  
     **A01H 1/00** ( 2006.01 )  
 (87) WO2022/090373  
 (31) 20204432.7 (32) 28.10.20 (33) EP  
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 (72) LAGE, Jacob; JOHN-BEJAI, Carus; BIRD, Nicholas  
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 (11) AU-A-2021405635  
 (21) 2021405635 (22) 22.12.2021  
 (54) PROMOTING REGENERATION AND TRANSFORMATION IN BETA VULGARIS  
 (51) Int. Cl.  
     **C12N 15/82** ( 2006.01 )  
     **A01H 4/00** ( 2006.01 )  
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 (43) 30.06.2022  
 (72) KONG, Jixiang; MARTIN-ORTIGOSA, Susana; PACHECO VILLALOBOS, David; KASTNER, Christine; LUDEWIG, Frank  
 (74) Spruson & Ferguson

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 (11) AU-A-2021406520  
 (21) 2021406520 (22) 22.12.2021  
 (54) PROMOTING REGENERATION AND TRANSFORMATION IN PLANTS  
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 (31) 20216530.4 (32) 22.12.20 (33) EP  
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 (72) KONG, Jixiang; MARTIN-ORTIGOSA, Susana; PACHECO VILLALOBOS, David; KASTNER, Christine; LUDEWIG, Frank; HORSTMANN, Anneke; BOUTILIER, Kimberly Anne  
 (74) Spruson & Ferguson

(71) L.G.P. TECHNOLOGY HOLDINGS LLC  
 (11) AU-A-2021358618  
 (21) 2021358618 (22) 11.10.2021  
 (54) INJECTION DELIVERY DEVICE  
 (51) Int. Cl.  
     **A61M 5/24** ( 2006.01 )  
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A01B 69/04 (2006.01)  
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E21B 17/042 (2006.01)  
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 (72) ANTEMIJCZUK, Pawel; GALEANO, Fernando Casanova  
 (74) PHILLIPS ORMONDE FITZPATRICK

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 (21) 2021395167 (22) 04.11.2021  
 (54) DEVICE, METHOD AND SYSTEM FOR CONTROLLING PROVISIONING OF A MOBILE DEVICE  
 (51) Int. Cl.  
**H04L 41/0806** ( 2022.01 )  
**H04L 43/50** ( 2022.01 )

**H04W 8/18** ( 2009.01 )  
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 (74) PHILLIPS ORMONDE FITZPATRICK

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 (54) FIBER POSITIONING UNIT FOR TELESCOPES  
 (51) Int. Cl.  
**G02B 26/10** ( 2006.01 )  
**G01J 3/02** ( 2006.01 )  
**G02B 7/00** ( 2021.01 )  
**G02B 7/183** ( 2021.01 )  
**G02B 23/26** ( 2006.01 )  
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(71) MURCHIE, B.J.  
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 (54) BATTERY CONNECTOR  
 (51) Int. Cl.  
**H01R 11/28** ( 2006.01 )  
**H01M 50/172** ( 2021.01 )  
**H01M 50/50** ( 2021.01 )  
**H01M 50/543** ( 2021.01 )  
**H01R 4/28** ( 2006.01 )  
**H01R 4/42** ( 2006.01 )  
**H01R 11/26** ( 2006.01 )  
**H01R 13/11** ( 2006.01 )  
**H01R 13/621** ( 2006.01 )  
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 (72) MURCHIE, Barry Joseph  
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 (54) DEVICE AND METHOD FOR MEASURING A MUSCULAR STRENGTH OF A PATIENT  
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**A61B 5/22** ( 2006.01 )  
**A61B 5/00** ( 2006.01 )  
**A61N 1/04** ( 2006.01 )  
**A61N 1/36** ( 2006.01 )  
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(72) RIGAUX, Pierre; MIGNOLET, Jean-Yves				
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(72) MCANENA, Steven			(43) 19.05.2022	G06V 40/16 ( 2022.01 )
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(72) LIU, Shuying; ZHAO, Xinyan; HU, Changyun			(43) 28.04.2022	(33) SG
(74) Griffith Hack			(72) TAN, Yong Quan; XUE, Bo; GO, Maybelle, Darlene, Kho; YEW, Wen Shan	
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**G01N 33/50** ( 2006.01 )  
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**(72)** BABIC, Ivan; NURMAMMADOV, Elmar  
**(74)** Pizeys Patent and Trade Mark Attorneys Pty Ltd

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**(74)** FPA Patent Attorneys Pty Ltd

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**F24F 3/167** ( 2021.01 )  
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**(54)** METHOD FOR CALIBRATION OF TRANSCUTANEOUS NERVE STIMULATOR  
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**A61N 1/36** ( 2006.01 )  
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**(72)** BRANNON, Ami; FALK, Kermit; MANOPOLI, Vincent  
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**(54)** ANTIGEN-BINDING FRAGMENTS AND USES THEREOF  
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**C07K 16/28** ( 2006.01 )  
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**A47C 4/04** ( 2006.01 )  
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**(72)** LENG, Luhao  
**(74)** Oxygene IP

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**(54)** ARTICLES FOR USE IN NON-COMBUSTIBLE AEROSOL PROVISION SYSTEMS  
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**A24B 3/18** ( 2006.01 )  
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**A24B 15/16** ( 2020.01 )  
**A24D 1/20** ( 2020.01 )  
**A24F 40/20** ( 2020.01 )  
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**(72)** JUMAN, Nadine; SEBOLD, Valerio; WALPOLE, Nicholas; AYINA, Gilbert; DAVIS, Peter; FORD, Hudson  
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**(54)** AEROSOL-GENERATING MATERIAL  
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**A24F 40/20** ( 2020.01 )  
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**(72)** JENKINS, Benjamin  
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**(54)** PLATED STEEL MATERIAL  
**(51)** Int. Cl.  
**C23C 2/06** ( 2006.01 )  
**C22C 18/00** ( 2006.01 )  
**C22C 18/04** ( 2006.01 )  
**C22C 21/00** ( 2006.01 )  
**C22C 38/00** ( 2006.01 )  
**C22C 38/04** ( 2006.01 )  
**C23C 2/26** ( 2006.01 )  
**C23C 2/40** ( 2006.01 )  
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**(54)** WOUND IRON CORE, METHOD FOR MANUFACTURING WOUND IRON CORE, AND WOUND IRON CORE MANUFACTURING DEVICE  
**(51)** Int. Cl.  
**H01F 27/245** ( 2006.01 )  
**H01F 41/02** ( 2006.01 )  
**(87)** WO2022/092101  
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**(72)** MIZUMURA Takahito; MOGI Hisashi; MIZOKAMI Masato; TAKAHASHI Masaru  
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     C22C 38/00 ( 2006.01 )  
     C22C 38/02 ( 2006.01 )  
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     H01F 1/147 ( 2006.01 )  
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 (72) KAWAMURA Yusuke; MIZUMURA  
     Takahito  
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 (21) 2021370592 (22) 26.10.2021  
 (54) WOUND CORE  
 (51) Int. Cl.  
     H01F 27/245 ( 2006.01 )  
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     H01F 27/245 ( 2006.01 )  
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     C22C 38/00 ( 2006.01 )  
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     C21D 8/12 ( 2006.01 )  
     C22C 38/00 ( 2006.01 )  
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 (72) NAKAMURA Shuichi  
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 (54) CARRIER AGGREGATION CONFIG-  
     URATION IN 5G WIRELESS NET-  
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     H04L 5/00 ( 2006.01 )  
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     A01K 85/00 ( 2006.01 )  
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     TERMINING AMOUNT OF FORCE AP-  
     PLICATION IN FASTENING COMPON-  
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     KELLNER, Pierre Henrik Sven; BUSA-  
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 (54) COMBINATION TREATMENT  
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     C07K 16/18 ( 2006.01 )  
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     SNELL, Daniel  
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     A61B 17/88 ( 2006.01 )  
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*B01F 23/00* ( 2022.01 )  
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*B29C 41/00* ( 2006.01 )  
*C08J 5/02* ( 2006.01 )  
*C08K 3/22* ( 2006.01 )  
*C08L 9/04* ( 2006.01 )  
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 (51) Int. Cl.  
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*C07K 14/22* ( 2006.01 )  
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 (54) CAFFEINE COMPOSITIONS  
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*G06F 21/60* ( 2013.01 )  
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*C07K 14/25* ( 2006.01 )  
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*B60L 58/10* ( 2019.01 )  
*H01M 10/48* ( 2006.01 )  
*H02H 5/00* ( 2006.01 )  
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 (54) COMMUNICATION DEVICE AND COMMUNICATION METHOD  
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*H04W 72/04* ( 2023.01 )  
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 (72) ALBAUM, Gary Joseph; MERRILL, William Jack; PARADISE, Charles  
 (74) Allens Patent & Trade Mark Attorneys
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**(51)** Int. Cl.  
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**(74)** ALLENS PATENT & TRADE MARK ATTORNEYS
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**(54)** PROPHYLAXIS AND TREATMENT OF ANGIOEDEMA  
**(51)** Int. Cl.  
**A61K 31/4709** ( 2006.01 )  
**A61K 31/496** ( 2006.01 )  
**A61K 45/06** ( 2006.01 )  
**A61P 7/10** ( 2006.01 )  
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**(54)** INTEGRATED JUNCTION SYSTEM FOR TUBULAR FLUID DISTRIBUTION ELEMENTS  
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**F16L 21/03** ( 2006.01 )  
**F16L 25/10** ( 2006.01 )  
**F16L 47/06** ( 2006.01 )  
**F16L 47/08** ( 2006.01 )  
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**(54)** SYSTEM AND METHOD OF COUNTING LIVESTOCK  
**(51)** Int. Cl.  
**G06N 3/08** ( 2023.01 )  
**G01S 17/87** ( 2020.01 )  
**G06N 3/02** ( 2006.01 )  
**G06N 10/20** ( 2022.01 )  
**G06V 40/10** ( 2022.01 )  
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**(11)** AU-A-2021405274  
**(21)** 2021405274 **(22)** 21.12.2021  
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**(51)** Int. Cl.  
**A61K 31/337** ( 2006.01 )  
**A61K 9/00** ( 2006.01 )  
**A61K 9/14** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
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**(87)** WO2022/137126  
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**(11)** AU-A-2021348256  
**(21)** 2021348256 **(22)** 28.09.2021  
**(54)** FILTER MATERIAL FOR SOIL FILTERS FOR PHOSPHATE ADSORPTION  
**(51)** Int. Cl.  
**C04B 28/06** ( 2006.01 )  
**B01D 39/20** ( 2006.01 )  
**(87)** WO2022/064056  
**(31)** 20198750.0 **(32)** 28.09.20 **(33)** EP  
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**(72)** BRUNS, Stefan  
**(74)** Davies Collison Cave Pty Ltd
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**(11)** AU-A-2021378822  
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**(54)** A COMPUTER-AIDED DESIGN COST CALCULATION SYSTEM  
**(51)** Int. Cl.  
**G06F 30/13** ( 2020.01 )  
**G06F 3/0481** ( 2022.01 )  
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**G06Q 50/08** ( 2012.01 )  
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**(72)** BRADY, Julian  
**(74)** Patentec Patent Attorneys
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**(54)** SYSTEM FOR EMBRYO TRANSFER  
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**A61B 1/06** ( 2006.01 )  
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*A61K 38/46* ( 2006.01 )  
*A61P 35/00* ( 2006.01 )  
*C07K 14/82* ( 2006.01 )  
*C12N 9/14* ( 2006.01 )  
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*H02S 20/30* ( 2014.01 )  
*F16L 27/103* ( 2006.01 )  
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 (72) ROBERT EITELHUBER, Georg; RAHIM, Abdul  
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*A47C 20/02* ( 2006.01 )  
*A47C 1/032* ( 2006.01 )  
*A47C 3/02* ( 2006.01 )  
*A47C 7/42* ( 2006.01 )  
*A47C 7/44* ( 2006.01 )  
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 (51) Int. Cl.  
*C09D 5/02* ( 2006.01 )  
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**(74)** Maxwells Patent & Trade Mark Attorneys Pty Ltd
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**A61K 31/724** ( 2006.01 )  
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**G01N 27/12** ( 2006.01 )  
**B82Y 15/00** ( 2011.01 )  
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**A61B 5/145** ( 2006.01 )  
**A61B 5/1455** ( 2006.01 )  
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**H04M 3/56** ( 2006.01 )  
**H04B 7/26** ( 2006.01 )  
**H04W 72/04** ( 2023.01 )  
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**F27D 7/02** ( 2006.01 )  
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**F26B 25/22** ( 2006.01 )  
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**(51)** Int. Cl.  
**C02F 1/00** ( 2023.01 )

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**C08F 2/00** ( 2006.01 )  
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**G03B 13/36** ( 2021.01 )  
**G03B 3/02** ( 2021.01 )  
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**(51)** Int. Cl.  
**B65G 27/32** ( 2006.01 )  
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**C12N 9/02** ( 2006.01 )  
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**B65H 31/30** ( 2006.01 )  
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**A61M 25/00** ( 2006.01 )  
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**A61K 48/00** ( 2006.01 )  
**A61P 37/00** ( 2006.01 )  
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**(74)** Davies Collison Cave Pty Ltd

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**B01D 27/04** ( 2006.01 )  
**B01D 35/16** ( 2006.01 )  
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**(74)** Michael Buck IP

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**A47J 37/12** ( 2006.01 )  
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**(71)** SECOND GENOME, INC.; THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY; OREGON STATE UNIVERSITY  
**(11)** AU-A-2021367318  
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**(54)** METHODS FOR TREATING AUTISM SPECTRUM DISORDER  
**(51)** Int. Cl.  
**A61K 35/74** ( 2015.01 )  
**A61P 3/02** ( 2006.01 )  
**A61P 25/00** ( 2006.01 )  
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**(51)** Int. Cl.  
**A61K 38/48** ( 2006.01 )  
**A61K 9/51** ( 2006.01 )  
**A61K 31/436** ( 2006.01 )  
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**(74)** Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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**(54)** LIGHT DIMMING SYSTEM  
**(51)** Int. Cl.  
**H05B 45/30** ( 2020.01 )  
**H05B 45/325** ( 2020.01 )  
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**(74)** FPA Patent Attorneys Pty Ltd
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**(21)** 2021359790 **(22)** 15.10.2021  
**(54)** SHIELD SURROUNDING ROCK DEFORMATION MONITORING SYSTEM CARRIED ON TBM, AND MONITORING METHOD THEREOF  
**(51)** Int. Cl.  
**G01B 17/04** ( 2006.01 )  
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**(51)** Int. Cl.  
**C07D 231/56** ( 2006.01 )  
**A61K 31/416** ( 2006.01 )  
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**(54)** PYRIMIDINE CARBOXAMIDE COMPOUND AND APPLICATION THEREOF  
**(51)** Int. Cl.  
**C07D 403/14** ( 2006.01 )  
**A61K 31/506** ( 2006.01 )  
**A61P 1/00** ( 2006.01 )  
**A61P 1/16** ( 2006.01 )  
**A61P 3/00** ( 2006.01 )  
**A61P 9/00** ( 2006.01 )  
**A61P 11/00** ( 2006.01 )  
**A61P 29/00** ( 2006.01 )  
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**(54)** ALPHA PROTEIN KINASE 1 INHIBITORS AND METHODS OF USE  
**(51)** Int. Cl.  
**C07D 417/12** ( 2006.01 )  
**A61K 31/4178** ( 2006.01 )  
**A61K 31/422** ( 2006.01 )  
**A61K 31/427** ( 2006.01 )  
**A61P 29/00** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**C07D 277/46** ( 2006.01 )  
**C07D 403/12** ( 2006.01 )  
**C07D 413/12** ( 2006.01 )  
**C07D 417/14** ( 2006.01 )  
**(87)** WO2022/063152  
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**(74)** FB Rice Pty Ltd
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**(11)** AU-A-2021378789  
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**(54)** RNA-EDITING COMPOSITIONS AND METHODS OF USE  
**(51)** Int. Cl.  
**C12N 15/113** ( 2010.01 )  
**C12N 9/22** ( 2006.01 )  
**C12N 15/10** ( 2006.01 )  
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**(72)** SAVVA, Yiannis; SULLIVAN, Richard; BOOTH, Brian; BRIGGS, Adrian; BOSE, Debojit; BYRNE, Susan; BURLEIGH, Stephen  
**(74)** Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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**(21)** 2021356194 **(22)** 27.08.2021  
**(54)** SYSTEM FOR DETECTING THE PATH OF MOVING OBJECTS  
**(51)** Int. Cl.  
**B64G 3/00** ( 2006.01 )  
**G01C 11/02** ( 2006.01 )  
**G02B 23/00** ( 2006.01 )  
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**(72)** GIOLITO, Damien; LUCKEN, Romain  
**(74)** Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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- (71)** SHARKNINJA OPERATING LLC  
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**(54)** AGITATOR FOR A SURFACE TREATMENT APPARATUS AND A SURFACE TREATMENT APPARATUS HAVING THE SAME  
**(51)** Int. Cl.  
**A47L 5/10** ( 2006.01 )  
**A47L 5/30** ( 2006.01 )  
**A47L 9/02** ( 2006.01 )  
**A47L 9/04** ( 2006.01 )  
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*E21B 43/10* ( 2006.01 )  
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 (54) VIEWING OPTIC WITH A SOLAR PAN-EL  
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*A61K 9/14* ( 2006.01 )  
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*A61P 35/00* ( 2006.01 )  
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E01C 23/088 ( 2006.01 )  
E02F 3/24 ( 2006.01 )  
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(54) FOUNDATION FOR A WIND TURBINE  
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E04H 12/16 ( 2006.01 )  
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(51) Int. Cl.  
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- E04H 12/16 ( 2006.01 )  
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(54) BINDER SYSTEM FOR A PLANT BASED PRODUCT  
(51) Int. Cl.  
A23J 3/22 ( 2006.01 )  
A23L 11/00 ( 2021.01 )  
A23L 25/00 ( 2016.01 )  
A23L 33/105 ( 2016.01 )  
A23L 33/185 ( 2016.01 )  
A23P 30/10 ( 2016.01 )  
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(72) FERNANDEZ FARRES, Isabel; LOUTAN, Jonathan; SCHEERMEIJER, Roosmarijn, Antoinette  
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(54) CAPSULE AND SYSTEM FOR PREPARING A BEVERAGE  
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B65D 85/804 ( 2006.01 )  
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(54) BINDER SYSTEM FOR A MEAT ANALOGUE PRODUCT  
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A23J 3/22 ( 2006.01 )  
A23L 11/00 ( 2021.01 )  
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 (54) CAPSULE AND MANUFACTURING PROCESS FOR PRODUCING SAID CAPSULE  
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 (51) Int. Cl.  
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**A23L 33/125** ( 2016.01 )  
**A23C 9/20** ( 2006.01 )  
**A23L 33/00** ( 2016.01 )  
**A61K 31/702** ( 2006.01 )  
**A61K 45/06** ( 2006.01 )  
**A61P 1/00** ( 2006.01 )  
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**E21B 7/02** ( 2006.01 )  
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**G06V 20/52** ( 2022.01 )  
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 (51) Int. Cl.  
**A23J 1/12** ( 2006.01 )  
**A23J 3/14** ( 2006.01 )  
**B01D 61/02** ( 2006.01 )  
**B02C 9/00** ( 2006.01 )  
**B02C 11/08** ( 2006.01 )  
**B02C 23/08** ( 2006.01 )  
 (87) WO2022/087158  
 (31) 63/094,815 (32) 21.10.20 (33) US  
 (43) 28.04.2022  
 (72) ZHOU, Meijuan; SRIVATSA, Sanjay R.  
 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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- (71) SPEEDER SYSTEMS HOLDING B.V.  
 (11) AU-A-2021364858  
 (21) 2021364858 (22) 12.10.2021  
 (54) A GROUND EFFECT FLIGHT VEHICLE  
 (51) Int. Cl.  
**B60V 1/14** ( 2006.01 )  
**B64C 29/00** ( 2006.01 )  
**B64C 35/00** ( 2006.01 )  
 (87) WO2022/086321  
 (31) 2026721 (32) 21.10.20 (33) NL  
 (43) 28.04.2022  
 (72) KAZAKLI, Ahmet Erdem; OZISTEK, Tadao Deniz  
 (74) WRAYS PTY LTD
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- (71) SPIDERWORT INC.  
 (11) AU-A-2021368245  
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- (54) PLANT-DERIVED AEROGELS, HYDROGELS, AND FOAMS, AND METHODS AND USES THEREOF  
(51) Int. Cl.  
*C08J 9/28* ( 2006.01 )  
*A23L 5/00* ( 2016.01 )  
*A23L 19/00* ( 2016.01 )  
*A23P 10/00* ( 2016.01 )  
*A23P 30/00* ( 2016.01 )  
*A23P 30/40* ( 2016.01 )  
*A61L 27/52* ( 2006.01 )  
*C08J 3/075* ( 2006.01 )  
*C08K 11/00* ( 2006.01 )  
*C08L 1/02* ( 2006.01 )  
(87) WO2022/087750  
(31) 63/107,226 (32) 29.10.20 (33) US  
(43) 05.05.2022  
(72) HICKEY, Ryan; SZERESZEWSKI, Kama; TISCHER, Paula Cristina De Sousa Faria; PELLING, Andrew E.; CANTO, Anna; SALAMUN, Joshua; LOURENCO, Matthew  
(74) James & Wells Intellectual Property
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- (71) SQY THERAPEUTICS; UNIVERSITE DE VERSAILLES SAINT-QUENTIN-EN-YVELINES; INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE  
(11) AU-A-2021357224  
(21) 2021357224 (22) 04.10.2021  
(54) OLIGOMERIC COMPOUND FOR DYSTROPHIN RESCUE IN DMD PATIENTS THROUGHOUT SKIPPING OF EXON-51  
(51) Int. Cl.  
*C12N 15/113* ( 2010.01 )  
*C07K 14/47* ( 2006.01 )  
*C12N 15/11* ( 2006.01 )  
(87) WO2022/073920  
(31) 20200140.0 (32) 05.10.20 (33) EP  
(43) 14.04.2022  
(72) GARCIA, Luis; GOYENVALLE, Aurélie; SVINARTCHOUK, Fedor; GRIFFITH, Graziella; AVRIL-DELPLANQUE, Aurélie  
(74) Griffith Hack
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- (71) STARS TECHNOLOGY CORPORATION  
(11) AU-A-2021344433  
(21) 2021344433 (22) 16.09.2021  
(54) METHOD AND APPARATUS FOR INDUCTIVELY HEATING MICRO- AND MESO-CHANNEL PROCESS SYSTEMS  
(51) Int. Cl.  
*B01J 19/00* ( 2006.01 )  
*B01J 19/08* ( 2006.01 )  
*B01J 19/12* ( 2006.01 )  
(87) WO2022/061041  
(31) 63/079,420 (32) 16.09.20 (33) US  
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(43) 24.03.2022  
(72) WEGENG, Robert S.; WALTERS, Dennis  
(74) Michael Buck IP
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- (71) STELLENBOSCH UNIVERSITY  
(11) AU-A-2021354132  
(21) 2021354132 (22) 01.10.2021  
(54) HELIOSTAT CALIBRATION  
(51) Int. Cl.  
*F24S 23/77* ( 2018.01 )  
*F24S 23/70* ( 2018.01 )  
(87) WO2022/070153  
(31) 2020/06085 (32) 01.10.20 (33) ZA  
(43) 07.04.2022  
(72) SMIT, Willem Jacobus  
(74) FB Rice Pty Ltd
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- (71) STRIKE MOTION LIMITED  
(11) AU-A-2021374869  
(21) 2021374869 (22) 03.11.2021  
(54) DYNAMIC EXERCISE SYSTEM  
(51) Int. Cl.  
*A63B 69/24* ( 2006.01 )  
(87) WO2022/096876  
(31) 2017422.3 (32) 03.11.20 (33) GB  
(43) 12.05.2022  
(72) QUARTON, Robert  
(74) BOSH IP Pty Ltd
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- (71) STUDIENGESELLSCHAFT KOHLE gGMBH  
(11) AU-A-2021355969  
(21) 2021355969 (22) 28.09.2021  
(54) PROCESS FOR PREPARING DIMERIC PHOSPHAZENE DERIVED BRØNSTED ACIDS  
(51) Int. Cl.  
*C07F 9/6571* ( 2006.01 )  
*C07B 53/00* ( 2006.01 )  
*C08K 5/00* ( 2006.01 )  
(87) WO2022/073803  
(31) 20200632.6 (32) 07.10.20 (33) EP  
21162986.0 16.03.21 EP  
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(72) LIST, Benjamin; SCHWENGENS, Sebastian Armin; DE, Chandra Kanta; LI, Yihang  
(74) FB Rice Pty Ltd
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- (71) SUEZ INTERNATIONAL  
(11) AU-A-2021352125  
(21) 2021352125 (22) 01.10.2021  
(54) METHOD FOR TREATING A WASTEWATER EFFLUENT BY DENSIFYING SLUDGE IN A SEQUENCING BATCH REACTOR  
(51) Int. Cl.  
*C02F 3/30* ( 2023.01 )  
*C02F 3/12* ( 2023.01 )  
(87) WO2022/069705  
(31) 2010109 (32) 02.10.20 (33) FR  
(43) 07.04.2022  
(72) PETITPAIN PERRIN, Françoise; DAUNAY, Alexis  
(74) FB Rice Pty Ltd
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- (71) SUEZ INTERNATIONAL  
(11) AU-A-2021353059  
(21) 2021353059 (22) 01.10.2021  
(54) METHOD FOR TREATING A WASTEWATER EFFLUENT IN A SE-
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- QUENCING BATCH REACTOR (SBR) HAVING A CONSTANT LEVEL AND CONTROLLED RECOVERY  
(51) Int. Cl.  
*C02F 3/12* ( 2023.01 )  
*B01D 21/24* ( 2006.01 )  
(87) WO2022/069745  
(31) 2010111 (32) 02.10.20 (33) FR  
(43) 07.04.2022  
(72) PETITPAIN PERRIN, Françoise; DAUNAY, Alexis  
(74) FB Rice Pty Ltd
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- (71) SUEZ INTERNATIONAL; NEWPORT GMBH  
(11) AU-A-2021353544  
(21) 2021353544 (22) 01.10.2021  
(54) METHOD AND INSTALLATION FOR CONTROLLED MICROBIOME SHIFT FOR BIOMASS DENSIFICATION IN A BIOLOGICAL TREATMENT OF A RAW INFLUENT  
(51) Int. Cl.  
*C02F 3/00* ( 2023.01 )  
*C02F 3/04* ( 2023.01 )  
*C02F 3/08* ( 2023.01 )  
*C02F 3/10* ( 2023.01 )  
*C02F 3/12* ( 2023.01 )  
(87) WO2022/069707  
(31) 20306143.7 (32) 02.10.20 (33) EP  
(43) 07.04.2022  
(72) ROCHE, Clément; DONNAZ, Sylvain; MURTHY, Sudhir N.; WETT, Bernhard  
(74) FB Rice Pty Ltd
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- (71) SUMITOMO METAL MINING CO., LTD.  
(11) AU-A-2021361637  
(21) 2021361637 (22) 13.10.2021  
(54) NEAR-INFRARED ABSORBING PARTICLES, METHOD FOR MANUFACTURING NEAR-INFRARED ABSORBING PARTICLES, NEAR-INFRARED ABSORBING PARTICLE DISPERSION, NEAR-INFRARED ABSORBING LAMINATE, AND NEAR-INFRARED ABSORBING TRANSPARENT SUBSTRATE  
(51) Int. Cl.  
*C09K 3/00* ( 2006.01 )  
*B32B 7/023* ( 2019.01 )  
*B32B 27/18* ( 2006.01 )  
*B82B 1/00* ( 2006.01 )  
*C01G 41/00* ( 2006.01 )  
(87) WO2022/080420  
(31) 2020-173574 (32) 14.10.20 (33) JP  
(43) 21.04.2022  
(72) ADACHI, Kenji; WAKABAYASHI, Masao; YOSHIO, Satoshi; TSUNEMATSU, Hirofumi  
(74) Davies Collison Cave Pty Ltd
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- (71) SUMITOMO PHARMA CO., LTD.  
(11) AU-A-2021355846  
(21) 2021355846 (22) 08.10.2021  
(54) OLIGONUCLEIC ACID CONJUGATE  
(51) Int. Cl.  
*A61K 47/64* ( 2017.01 )  
*A61K 9/51* ( 2006.01 )  
*A61K 31/7105* ( 2006.01 )

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

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**A61K 38/10** ( 2006.01 )  
**A61K 38/12** ( 2006.01 )  
**A61P 43/00** ( 2006.01 )  
**C12N 15/113** ( 2010.01 )  
**(87)** WO2022/075459  
**(31)** 2020-171447 **(32)** 09.10.20 **(33)** JP  
**(43)** 14.04.2022  
**(72)** UESAKA Akihiro; MAKITA Naoki; TAKEDA Masashi  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** SYNGENTA CROP PROTECTION AG  
**(11)** AU-A-2021386549  
**(21)** 2021386549 **(22)** 17.11.2021  
**(54)** HERBICIDAL COMPOUNDS  
**(51)** Int. Cl.  
**A01N 43/80** ( 2006.01 )  
**C07D 261/04** ( 2006.01 )  
**C07D 413/10** ( 2006.01 )  
**(87)** WO2022/112072  
**(31)** 20209638.4 **(32)** 24.11.20 **(33)** EP  
**(43)** 02.06.2022  
**(72)** WHITTINGHAM, William Guy; WILLIAMS, John  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** SYNGENTA CROP PROTECTION AG  
**(11)** AU-A-2021391477  
**(21)** 2021391477 **(22)** 26.11.2021  
**(54)** HERBICIDAL DERIVATIVES  
**(51)** Int. Cl.  
**C07D 213/80** ( 2006.01 )  
**A01N 43/04** ( 2006.01 )  
**(87)** WO2022/117446  
**(31)** 2018996.5 **(32)** 02.12.20 **(33)** GB  
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**(72)** DALE, Suzanna; BURNS, David; MARTIN, Christopher, James  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** SYNTHON B.V.  
**(11)** AU-A-2021346866  
**(21)** 2021346866 **(22)** 24.09.2021  
**(54)** SIPONIMOD SALTS AND COCRYSTALS  
**(51)** Int. Cl.  
**C07D 205/04** ( 2006.01 )  
**A61K 31/397** ( 2006.01 )  
**A61P 37/00** ( 2006.01 )  
**(87)** WO2022/064007  
**(31)** 20198482.0 **(32)** 25.09.20 **(33)** EP  
 21155774.9 08.02.21 EP  
**(43)** 31.03.2022  
**(72)** DYMACEK, Bohumil; PARTL, Jiri; TESSON, Nicolas; TRILLA CASTANO, Montserrat  
**(74)** Spruson & Ferguson
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- (71)** SYROS PHARMACEUTICALS, INC.; ROTH, D.A.  
**(11)** AU-A-2021359826  
**(21)** 2021359826 **(22)** 15.10.2021  
**(54)** DOSING REGIMENS FOR CYCLIN#DEPENDENT KINASE 7 (CDK7) INHIBITORS  
**(51)** Int. Cl.
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- C07D 215/26** ( 2006.01 )  
**C07D 215/40** ( 2006.01 )  
**C07D 401/12** ( 2006.01 )  
**(87)** WO2022/082056  
**(31)** 63/092,968 **(32)** 16.10.20 **(33)** US  
**(43)** 21.04.2022  
**(72)** ROTH, David A.  
**(74)** Spruson & Ferguson
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- (71)** TAISHO SKY BUILDING,INC.  
**(11)** AU-A-2020472120  
**(21)** 2020472120 **(22)** 15.10.2020  
**(54)** INFORMATION PROCESSING DEVICE, AND BUILDING MONITORING SYSTEM COMPRISING SAME  
**(51)** Int. Cl.  
**G06Q 10/02** ( 2012.01 )  
**G06Q 50/12** ( 2012.01 )  
**(87)** WO2022/079864  
**(43)** 21.04.2022  
**(72)** ISHIDA Kazuharu  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** TAISHO SKY BUILDING,INC.  
**(11)** AU-A-2020472672  
**(21)** 2020472672 **(22)** 15.10.2020  
**(54)** BUILDING MONITORING SYSTEM  
**(51)** Int. Cl.  
**G06Q 50/16** ( 2012.01 )  
**(87)** WO2022/079863  
**(43)** 21.04.2022  
**(72)** ISHIDA Kazuharu  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** TAISHO SKY BUILDING,INC.  
**(11)** AU-A-2020477967  
**(21)** 2020477967 **(22)** 20.11.2020  
**(54)** RENTAL SPACE MANAGEMENT SYSTEM  
**(51)** Int. Cl.  
**G06Q 50/10** ( 2012.01 )  
**(87)** WO2022/107310  
**(43)** 27.05.2022  
**(72)** ISHIDA Kazuharu  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** TAKEDA PHARMACEUTICAL COMPANY LIMITED  
**(11)** AU-A-2021383424  
**(21)** 2021383424 **(22)** 18.11.2021  
**(54)** ADMINISTRATION OF STING AGONIST, CHECKPOINT INHIBITORS, AND RADIATION  
**(51)** Int. Cl.  
**A61K 31/52** ( 2006.01 )  
**A61K 39/395** ( 2006.01 )  
**A61K 45/06** ( 2006.01 )  
**A61N 5/10** ( 2006.01 )  
**A61P 35/00** ( 2006.01 )  
**A61P 35/04** ( 2006.01 )  
**(87)** WO2022/107027  
**(31)** 63/115,398 **(32)** 18.11.20 **(33)** US  
 63/140,125 21.01.21 US  
 63/184,295 05.05.21 US  
 63/275,480 04.11.21 US
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- (43)** 27.05.2022  
**(72)** SHAW, Michael H.; SATO, Yosuke  
**(74)** Davies Collison Cave Pty Ltd
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- (71)** TAN, S.; YU, H.  
**(11)** AU-A-2021348604  
**(21)** 2021348604 **(22)** 25.09.2021  
**(54)** REMOTELY AND AUTONOMOUSLY CONTROLLED ROBOT APPARATUS FOR DATA COLLECTION, INTELLIGENT RECOGNITION, AND TREATMENT OF STOMATOLOGICAL DISEASES  
**(51)** Int. Cl.  
**A61B 34/35** ( 2016.01 )  
**A61C 19/06** ( 2006.01 )  
**(87)** WO2022/063253  
**(31)** 202022158478.0 **(32)** 27.09.20 **(33)** CN  
**(43)** 31.03.2022  
**(72)** TAN, Sicong; YU, Hao; YU, Mengfei  
**(74)** SICONG TAN
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- (71)** TAU MOTORS, INC.  
**(11)** AU-A-2021372486  
**(21)** 2021372486 **(22)** 27.10.2021  
**(54)** SYSTEM AND METHOD FOR THERMAL MANAGEMENT OF ELECTRONIC MACHINES USING COOLANT CANS  
**(51)** Int. Cl.  
**H02K 9/19** ( 2006.01 )  
**H02K 1/20** ( 2006.01 )  
**H02K 1/32** ( 2006.01 )  
**H02K 5/15** ( 2006.01 )  
**H02K 5/20** ( 2006.01 )  
**H02K 9/00** ( 2006.01 )  
**H02K 9/16** ( 2006.01 )  
**(87)** WO2022/094003  
**(31)** 63/106,096 **(32)** 27.10.20 **(33)** US  
**(43)** 05.05.2022  
**(72)** PENNINGTON, Walter, Wesley, III.; SWINT, Ethan, Bagget; STEVENSON, Gregory, Gordon; OWEN, Michael, Parker; REEVE, Matthew, Joseph; RUBIN, Matthew, J  
**(74)** Pizeys Patent and Trade Mark Attorneys Pty Ltd
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- (71)** TCHIBO GMBH  
**(11)** AU-A-2021367125  
**(21)** 2021367125 **(22)** 20.10.2021  
**(54)** BEVERAGE PREPARATION MACHINE HAVING A SILICONE DRIP GRID  
**(51)** Int. Cl.  
**A47J 31/44** ( 2006.01 )  
**(87)** WO2022/084380  
**(31)** 20203145.6 **(32)** 21.10.20 **(33)** EP  
**(43)** 28.04.2022  
**(72)** ERDWIENS, Alexander; DANIELS, Micha  
**(74)** Catalyst Intellectual Property
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- (71)** TECHNISCHE UNIVERSITÄT BERLIN  
**(11)** AU-A-2021378036  
**(21)** 2021378036 **(22)** 04.08.2021  
**(54)** MIR-375- AND MIR-1-REGULATED COXSACKIEVIRUS B3 HAS NO PAN-

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CREAS AND HEART TOXICITY BUT STRONG ANTITUMOR EFFICIENCY IN COLORECTAL CARCINOMAS  
**(51)** Int. Cl.  
**A61K 35/768** ( 2015.01 )  
**C12N 15/113** ( 2010.01 )  
**C12N 15/86** ( 2006.01 )  
**(87)** WO2022/100898  
**(31)** 10 2020 130 072.7 **(32)** 13.11.20 **(33)** DE  
**(43)** 19.05.2022  
**(72)** FECHNER, Henry; HAZINI, Ahmet  
**(74)** ALLENS PATENT & TRADE MARK ATTORNEYS

**(71)** TELEA MEDICAL GROUP S.R.L.  
**(11)** AU-A-2022306258  
**(21)** 2022306258 **(22)** 06.07.2022  
**(54)** ELECTRONIC DEVICE FOR BIO-MEDICAL USE IMPLEMENTING QMR TECHNOLOGY  
**(51)** Int. Cl.  
**A61B 18/12** ( 2006.01 )  
**A61B 18/14** ( 2006.01 )  
**(87)** WO2023/281412  
**(31)** 102021000017783 **(32)** 06.07.21 **(33)** IT  
**(43)** 12.01.2023  
**(72)** POZZATO, Gianantonio; POZZATO, Alessandro  
**(74)** Spruson & Ferguson

**(71)** TENAYA THERAPEUTICS, INC.  
**(11)** AU-A-2021358069  
**(21)** 2021358069 **(22)** 07.10.2021  
**(54)** PLAKOPHILLIN-2 GENE THERAPY METHODS AND COMPOSITIONS  
**(51)** Int. Cl.  
**C12N 15/86** ( 2006.01 )  
**(87)** WO2022/076648  
**(31)** 63/089,951 **(32)** 09.10.20 **(33)** US  
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**(43)** 14.04.2022  
**(72)** YANG, Zhihong Jane; HO, Jaclyn; REID, Chris; YANG, Jin  
**(74)** FB Rice Pty Ltd

**(71)** TENEOBIO, INC.  
**(11)** AU-A-2021383743  
**(21)** 2021383743 **(22)** 17.11.2021  
**(54)** HEAVY CHAIN ANTIBODIES BINDING TO FOLATE RECEPTOR ALPHA  
**(51)** Int. Cl.  
**A61P 35/00** ( 2006.01 )  
**A61K 47/68** ( 2017.01 )  
**C07K 16/28** ( 2006.01 )  
**C07K 16/30** ( 2006.01 )  
**C07K 16/46** ( 2006.01 )  
**(87)** WO2022/109010  
**(31)** 63/115,436 **(32)** 18.11.20 **(33)** US  
**(43)** 27.05.2022  
**(72)** AVANZINO, Brian; HARRIS, Katherine; KEHM, Hannes; TRINKLEIN, Nathan  
**(74)** Spruson & Ferguson

**(71)** TENSIVE SRL  
**(11)** AU-A-2020471265

**(21)** 2020471265 **(22)** 06.10.2020  
**(54)** THREE-DIMENSIONAL IMPLANTABLE MATRIX WITH REDUCED FOREIGN BODY RESPONSE  
**(51)** Int. Cl.  
**A61L 27/56** ( 2006.01 )  
**(87)** WO2022/074427  
**(43)** 14.04.2022  
**(72)** GERGES, Irini; TOCCHIO, Alessandro; MARTELLO, Federico; TAMPLENIZZA, Margherita; CHINCARINI, Giulia Maria Foscarina; KOMAN, Stefano  
**(74)** Spruson & Ferguson

**(71)** THE ALFRED E. MANN FOUNDATION FOR SCIENTIFIC RESEARCH  
**(11)** AU-A-2021373199  
**(21)** 2021373199 **(22)** 04.11.2021  
**(54)** SENSORS AND METHODS FOR DETERMINING RESPIRATION  
**(51)** Int. Cl.  
**A61B 5/00** ( 2006.01 )  
**A61F 5/56** ( 2006.01 )  
**A61N 1/00** ( 2006.01 )  
**(87)** WO2022/099293  
**(31)** 63/109,491 **(32)** 04.11.20 **(33)** US  
**(43)** 12.05.2022  
**(72)** ELYAHOODAYAN, Sahar; SHELTON, Brian, M.; TALBOT, Neil, H.  
**(74)** Spruson & Ferguson

**(71)** THE ALFRED E. MANN FOUNDATION FOR SCIENTIFIC RESEARCH  
**(11)** AU-A-2021373705  
**(21)** 2021373705 **(22)** 02.11.2021  
**(54)** AUTOMATICALLY-ALIGNING MAGNETIC FIELD SYSTEM  
**(51)** Int. Cl.  
**H02J 50/00** ( 2016.01 )  
**H02J 50/70** ( 2016.01 )  
**(87)** WO2022/098671  
**(31)** 63/109,476 **(32)** 04.11.20 **(33)** US  
**(43)** 12.05.2022  
**(72)** DEARDEN, Brian R.; LOO, Justin Cheng-Tsu  
**(74)** FB Rice Pty Ltd

**(71)** THE ALFRED E. MANN FOUNDATION FOR SCIENTIFIC RESEARCH  
**(11)** AU-A-2021376381  
**(21)** 2021376381 **(22)** 04.11.2021  
**(54)** SENSORS AND METHODS FOR DETERMINING RESPIRATION  
**(51)** Int. Cl.  
**A61B 5/00** ( 2006.01 )  
**A61F 5/56** ( 2006.01 )  
**A61N 1/05** ( 2006.01 )  
**A61N 1/36** ( 2006.01 )  
**A61N 1/372** ( 2006.01 )  
**(87)** WO2022/099292  
**(31)** 63/109,491 **(32)** 04.11.20 **(33)** US  
**(43)** 12.05.2022  
**(72)** ELYAHOODAYAN, Sahar; SHELTON, Brian M.; TALBOT, Neil H.  
**(74)** Spruson & Ferguson

**(71)** THE ASAN FOUNDATION; UNIVERSITY OF ULSAN FOUNDATION FOR INDUSTRY COOPERATION  
**(11)** AU-A-2021382955  
**(21)** 2021382955 **(22)** 30.09.2021  
**(54)** SURGICAL TOOL CONTROL APPARATUS  
**(51)** Int. Cl.  
**A61M 25/01** ( 2006.01 )  
**A61B 17/22** ( 2006.01 )  
**A61B 34/30** ( 2016.01 )  
**A61M 25/09** ( 2006.01 )  
**(87)** WO2022/108102  
**(31)** 10-2020-0154269 **(32)** 18.11.20 **(33)** KR  
 10-2020-0181924 23.12.20 KR  
**(43)** 27.05.2022  
**(72)** CHOI, Jae Soon; KIM, Young Hak; MOON, Youngjin  
**(74)** Griffith Hack

**(71)** THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM  
**(11)** AU-A-2021360490  
**(21)** 2021360490 **(22)** 13.10.2021  
**(54)** POLYMER-CONJUGATED MICRO-BUBBLES FOR HIGH DRUG/GENE LOADING  
**(51)** Int. Cl.  
**A61K 47/69** ( 2017.01 )  
**A61K 31/00** ( 2006.01 )  
**A61K 47/00** ( 2006.01 )  
**A61K 47/50** ( 2017.01 )  
**(87)** WO2022/081738  
**(31)** 63/091,204 **(32)** 13.10.20 **(33)** US  
**(43)** 21.04.2022  
**(72)** LUX, Jacques; KHORSANDI, Sina; DE GRACIA LUX, Caroline; MATTREY, Robert, F.  
**(74)** Spruson & Ferguson

**(71)** THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY  
**(11)** AU-A-2021370483  
**(21)** 2021370483 **(22)** 21.10.2021  
**(54)** CD47 BLOCKADE AND COMBINATION THERAPIES THEREOF FOR REDUCTION OF VASCULAR INFLAMMATION  
**(51)** Int. Cl.  
**A61K 38/17** ( 2006.01 )  
**A61P 9/10** ( 2006.01 )  
**C07K 16/28** ( 2006.01 )  
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**(51)** Int. Cl.

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**(74)** Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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**(54)** TYPE I CRISPR-ASSOCIATED TRANSPOSASE SYSTEMS  
**(51)** Int. Cl.  
**C12N 15/11** ( 2006.01 )  
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**(54)** NONTOXIC HIGH TEMPERATURE RESISTANT HYDROGELS  
**(51)** Int. Cl.  
**C08F 220/56** ( 2006.01 )  
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**C08F 212/36** ( 2006.01 )  
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**(21)** 2021378394 **(22)** 16.11.2021  
**(54)** SILICA-BASED GRANULAR MEDIA  
**(51)** Int. Cl.  
**B01J 21/06** ( 2006.01 )  
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**(54)** COMPOUNDS FOR THE TREATMENT OF ALZHEIMER'S DISEASE  
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**C07K 7/06** ( 2006.01 )  
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**(51)** Int. Cl.  
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**(54)** LENTIVIRAL VECTORS ENABLING ROUTING ANTIGENS TO MHC-II PATHWAY AND INDUCING CD4+ AND CD8+ T-CELL RESPONSES IN A HOST  
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**(54)** COMPUTATIONAL CARDIAC DEPOLARIZATION AND REPOLARIZATION SIMULATION LIBRARY MAPPING FOR NON-INVASIVE ARRHYTHMIA RISK STRATIFICATION  
**(51)** Int. Cl.  
**G16H 40/63** ( 2018.01 )  
**G16H 20/40** ( 2018.01 )  
**G16H 30/40** ( 2018.01 )  
**G16H 40/67** ( 2018.01 )  
**G16H 50/30** ( 2018.01 )  
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**C07H 13/04** ( 2006.01 )  
**A61K 31/7024** ( 2006.01 )  
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**C08L 23/06** ( 2006.01 )  
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**G06F 3/01** ( 2006.01 )
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**H01M 50/242** ( 2021.01 )  
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**H01L 31/18** ( 2006.01 )  
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COMES IN DISORDERS  
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G16H 10/40 ( 2018.01 )  
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(51) Int. Cl.  
C01B 3/16 ( 2006.01 )  
B01D 53/14 ( 2006.01 )  
C01B 3/38 ( 2006.01 )  
C07C 1/12 ( 2006.01 )  
C10K 3/02 ( 2006.01 )  
C10L 3/08 ( 2006.01 )  
C25B 1/04 ( 2021.01 )  
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SARKAR, Sudip  
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C01B 3/38 ( 2006.01 )  
C01B 25/04 ( 2006.01 )  
C07C 1/12 ( 2006.01 )  
C07C 29/151 ( 2006.01 )  
C10K 3/02 ( 2006.01 )  
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C25B 1/04 ( 2021.01 )  
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A61P 25/00 ( 2006.01 )  
A61P 25/28 ( 2006.01 )  
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C07D 215/12 ( 2006.01 )  
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A61K 48/00 ( 2006.01 )  
A61P 31/00 ( 2006.01 )  
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C12N 15/10 ( 2006.01 )  
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(54) DRILLING AUTOMATION SYSTEM  
(51) Int. Cl.  
E21B 19/16 ( 2006.01 )  
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 (54) ROBOTIC SYSTEM FOR MAKING OR BREAKING A RISER  
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*F24F 13/02* ( 2006.01 )  
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*B01D 71/38* ( 2006.01 )  
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*C12N 15/10* ( 2006.01 )  
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*C12P 19/34* ( 2006.01 )  
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 (51) Int. Cl.  
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**F17C 1/12** ( 2006.01 )
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- (51) Int. Cl.  
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**C08G 73/02** ( 2006.01 )
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**A61P 35/00** ( 2006.01 )  
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(54) TREATMENT AND PREVENTION OF CONDITIONS ASSOCIATED WITH RESPIRATORY DISEASES
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**A61K 9/127** ( 2006.01 )  
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**B01J 20/26** ( 2006.01 )  
**B01D 15/22** ( 2006.01 )  
**B01J 20/28** ( 2006.01 )  
**B01J 20/285** ( 2006.01 )  
**B01J 20/30** ( 2006.01 )  
**C08F 2/06** ( 2006.01 )  
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**B01D 69/12** ( 2006.01 )  
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**C08J 5/18** ( 2006.01 )  
**C08J 7/044** ( 2020.01 )  
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**H01M 8/18** ( 2006.01 )
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*G01N 33/68* ( 2006.01 )  
*C07K 14/65* ( 2006.01 )  
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*A61K 31/46* ( 2006.01 )  
*A61P 25/22* ( 2006.01 )  
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*H02J 3/00* ( 2006.01 )  
*G01R 31/36* ( 2020.01 )  
*G06Q 10/04* ( 2023.01 )  
*G06Q 10/06* ( 2023.01 )  
*G06Q 50/06* ( 2012.01 )  
*H02J 1/08* ( 2006.01 )  
*H02J 3/32* ( 2006.01 )  
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 (54) SUSPENDED SUPERCONDUCTING TRANSMISSION LINES  
 (51) Int. Cl.  
*H02G 15/34* ( 2006.01 )  
*H01B 12/14* ( 2006.01 )  
*H01B 12/16* ( 2006.01 )  
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 (51) Int. Cl.  
*H01B 12/16* ( 2006.01 )  
*H01F 6/04* ( 2006.01 )  
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 (54) CONDUCTOR SYSTEMS FOR SUSPENDED OR UNDERGROUND TRANSMISSION LINES  
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 (21) 2021364548 (22) 19.10.2021  
 (54) VIRUS-INSPIRED COMPOSITIONS AND METHODS OF REDIRECTING PREEXISTING IMMUNE RESPONSES USING THE SAME FOR TREATMENT OF CANCER  
 (51) Int. Cl.  
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**B64D 27/24** ( 2006.01 )  
**B64C 29/00** ( 2006.01 )  
**B64C 39/02** ( 2023.01 )  
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**H04N 7/18** ( 2006.01 )  
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**A61K 38/08** ( 2019.01 )  
**A61K 38/14** ( 2006.01 )  
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**C07K 14/705** ( 2006.01 )  
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 (54) MONO-PRESSURE PLANT FOR THE PRODUCTION OF NITRIC ACID AND METHOD FOR OPERATING SAME  
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**C01B 21/26** ( 2006.01 )  
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 (54) PHARMACEUTICAL COMPOSITION OF GLP-1/GLP-2 DUAL AGONISTS
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**A63B 21/00** ( 2006.01 )  
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 2021106829 24.08.21 AU  
 (43) 05.05.2022  
 (72) THOMAS, Damien Joseph  
 (74) Michael Buck IP

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

(71) ZHAO, Y.  
 (11) AU-A-2021354564  
 (21) 2021354564 (22) 26.09.2021  
 (54) ALLOY POWDER, PREPARATION METHOD THEREFOR, AND USE THEREOF  
 (51) Int. Cl.  
*B22F 9/02* ( 2006.01 )  
*B22D 11/06* ( 2006.01 )  
*C23F 1/44* ( 2006.01 )  
 (87) WO2022/068710  
 (31) 202011069507.4 (32) 30.09.20 (33) CN  
 (43) 07.04.2022  
 (72) ZHAO, Yuanyun; LIU, Li  
 (74) ADASTRA IP PTY LTD

(71) ZIP HEATERS (AUSTRALIA) PTY LIMITED  
 (11) AU-A-2021352659  
 (21) 2021352659 (22) 30.09.2021  
 (54) A TAP ASSEMBLY AND A METHOD OF OPERATING A TAP ASSEMBLY  
 (51) Int. Cl.  
*E03C 1/05* ( 2006.01 )  
*E03C 1/04* ( 2006.01 )  
 (87) WO2022/067389  
 (31) 2020903538 (32) 30.09.20 (33) AU  
 (43) 07.04.2022  
 (72) MOULT, Kevin Ralph; NOBLE, Gary Christopher; SCOTT, Hayden David; DAMM, Bernt Werner  
 (74) GLMR

(71) ZOETIS SERVICES LLC  
 (11) AU-A-2021382704  
 (21) 2021382704 (22) 19.11.2021  
 (54) BOVINE ANTIBODY VARIANTS  
 (51) Int. Cl.  
*C07K 16/28* ( 2006.01 )  
*A61K 39/395* ( 2006.01 )  
*C07K 16/46* ( 2006.01 )  
 (87) WO2022/109313  
 (31) 63/116,491 (32) 20.11.20 (33) US  
 (43) 27.05.2022  
 (72) STRIETZEL, Catherine, J.; LIGHTLE, Sandra, Ann Marie; CAMPOS, Henry, Luis; ZHU, Yaqi; FICI, Gregory, John; BALLY, Alexander, Pogacsas Ruhland; SHANBHOGUE, Prajna  
 (74) Davies Collison Cave Pty Ltd

(71) ZTE CORPORATION  
 (11) AU-A-2020470311  
 (21) 2020470311 (22) 30.09.2020  
 (54) DETERMINING INFORMATION FOR BEAM FORMATION ACROSS COMPONENT CARRIERS  
 (51) Int. Cl.  
*H04W 52/18* ( 2009.01 )  
*H04W 72/04* ( 2023.01 )  
 (87) WO2022/067636  
 (43) 07.04.2022  
 (72) HE, Zhen; GAO, Bo; YAO, Ke; LU, Zhaohua; YAN, Wenjun  
 (74) Spruson & Ferguson

(71) ZTE CORPORATION  
 (11) AU-A-2020472959  
 (21) 2020472959 (22) 21.10.2020  
 (54) SYSTEM AND METHODS OF NETWORK PERFORMANCE OPTIMIZATION  
 (51) Int. Cl.  
*H04W 24/02* ( 2009.01 )  
 (87) WO2022/082505  
 (43) 28.04.2022  
 (72) FANG, Jianmin; QIU, Zhihong; HUANG, He  
 (74) Pizzeyes Patent and Trade Mark Attorneys Pty Ltd

(71) ZTE CORPORATION  
 (11) AU-A-2020473676  
 (21) 2020473676 (22) 21.10.2020  
 (54) SYSTEMS AND METHODS FOR BEAM INDICATION RELATED DOWN-LINK CONTROL INFORMATION RE-TRANSMISSION USING HYBRID AUTOMATIC REPEAT REQUEST ACKNOWLEDGEMENT PROCEDURE  
 (51) Int. Cl.  
*H04W 72/04* ( 2023.01 )  
 (87) WO2022/082472  
 (43) 28.04.2022  
 (72) GAO, Bo; LU, Zhaohua; JIANG, Chuangxin; ZHANG, Shujuan; HE, Zhen  
 (74) Spruson & Ferguson

(71) ZTE CORPORATION  
 (11) AU-A-2020473677  
 (21) 2020473677 (22) 21.10.2020  
 (54) SYSTEM AND METHODS OF RANDOM ACCESS CHANNEL (RACH) OPTIMIZATION  
 (51) Int. Cl.  
*H04W 24/02* ( 2009.01 )  
*H04W 16/18* ( 2009.01 )  
*H04W 24/10* ( 2009.01 )  
*H04W 74/08* ( 2009.01 )  
 (87) WO2022/082477  
 (43) 28.04.2022  
 (72) FANG, Jianmin; QIU, Zhihong; HUANG, He  
 (74) Pizzeyes Patent and Trade Mark Attorneys Pty Ltd



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2020339220	David, L.	2021348272	UPL DO BRASIL INDUSTRIA E COMERCIO DE INSUMOS AGROPECUARIOS S.A.; UPL CORPORATION LIMITED
2020369157	Adcanin Inc.	2021348337	INSTITUT NATIONAL DE RECHERCHE POUR L'AGRICULTURE, L'ALIMENTATION ET L'ENVIRONNEMENT
2020470311	ZTE CORPORATION	2021348477	SHANGHAI INSTITUTE OF MATERIA MEDICA, CHINESE ACADEMY OF SCIENCES
2020470809	CARABALL UGARTE, J.A.; GUZMÁN BLANCO, E.	2021348500	CCTEG BEIJING TIANMA INTELLIGENT CONTROL TECHNOLOGY CO., LTD.; BEIJING CCRI-TIANMA AUTOMATION TECHNOLOGY CO., LTD.
2020471265	TENSIVE SRL	2021348528	OMRIX BIOPHARMACEUTICALS LTD.
2020471426	CENTER FOR EXCELLENCE IN MOLECULAR CELL SCIENCE, CHINESE ACADEMY OF SCIENCES	2021348604	TAN, S.; YU, H.
2020471652	DOME MEDICAL TECHNOLOGIES, INC.	2021348613	ANGITIA BIOMEDICINES LIMITED
2020471750	VIASAT, INC.	2021349217	DOORDASH, INC.
2020471756	DOME MEDICAL TECHNOLOGIES, INC.	2021349237	RYTHERA THERAPEUTICS, INC.
2020471935	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	2021349252	Danimer IPCo, LLC
2020471964	ESSITY HYGIENE AND HEALTH AKTIEBOLAG	2021349262	TRANSLATE BIO, INC.
2020471975	CALIFORNIA INNOVATIONS INC.	2021349285	WASH YOUR MOUTH DENTAL, LLC
2020472120	TAISHO SKY BUILDING, INC.	2021349343	MYQOL LIMITED
2020472672	TAISHO SKY BUILDING, INC.	2021349680	LG CHEM, LTD.
2020472904	ACQUOLINA IL MONDO, LLC	2021349750	SINGAPORE HEALTH SERVICES PTE LTD; APPARENT LLC
2020472959	ZTE CORPORATION	2021349782	RAPID PHENOTYPING PTY LIMITED
2020473256	FORD GLOBAL TECHNOLOGIES, LLC	2021349788	EVONIK CANADA INC.
2020473277	ROVI GUIDES, INC.	2021350015	CARDURION PHARMACEUTICALS, INC.
2020473307	FORD GLOBAL TECHNOLOGIES, LLC	2021350035	BIOMEDIT, LLC
2020473676	ZTE CORPORATION	2021350104	DSM NUTRITIONAL PRODUCTS, LLC
2020473677	ZTE CORPORATION	2021350108	CARBON TECHNOLOGY HOLDINGS, LLC
2020474479	ITT MANUFACTURING ENTERPRISES LLC	2021350115	GENESYS CLOUD SERVICES, INC.
2020474861	HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.	2021350156	ABLYNX NV; SANOFI
2020475845	ABIONIC SA	2021350161	JANSSEN PHARMACEUTICA NV
2020476498	TRANSITIONS OPTICAL, LTD.	2021350172	JADE BIRD DISPLAY (SHANGHAI) LIMITED
2020477103	NATIONAL UNIVERSITY CORPORATION HOKKAIDO UNIVERSITY; MOCHIDA PHARMACEUTICAL CO., LTD.	2021350194	BARKEN, I.
2020477273	SANDVIK MINING AND CONSTRUCTION OY	2021350200	UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INCORPORATED
2020477304	ALIBABA GROUP HOLDING LIMITED	2021350335	JANSSEN PHARMACEUTICA NV
2020477829	AUGUST RÜGGERBERG GMBH & CO. KG	2021350378	DAVRON DIGITAL
2020477967	TAISHO SKY BUILDING, INC.	2021350542	HUSQVARNA AB
2020478273	VOLVO TRUCK CORPORATION	2021350836	CARBON TECHNOLOGY HOLDINGS, LLC
2020480182	ICHUAN CREDIT PHARMACEUTICAL CO., LTD	2021350916	SHANGHAI YAO YUAN BIOTECHNOLOGY CO., LTD.
2020481686	HALLIBURTON ENERGY SERVICES, INC.	2021350973	SHANGHAI MEIYUE BIOTECH DEVELOPMENT CO., LTD.
2020481929	HALLIBURTON ENERGY SERVICES, INC.	2021350981	INSTITUTE OF ZOOLOGY, CHINESE ACADEMY OF SCIENCES; BEIJING INSTITUTE FOR STEM CELL AND REGENERATIVE MEDICINE
2020481934	HALLIBURTON ENERGY SERVICES, INC.	2021351052	SENGLED CO., LTD.
2020483297	RAZER (ASIA-PACIFIC) PTE. LTD.	2021351105	LINDE GMBH; BUTTING CRYO TECH GMBH
2020483339	HALLIBURTON ENERGY SERVICES, INC.	2021351143	MALLINOWSKI, I.
2020483347	HALLIBURTON ENERGY SERVICES, INC.	2021351145	SMART & GREEN MUKRAN CONCRETE GMBH
2020483459	HALLIBURTON ENERGY SERVICES, INC.	2021351233	CARDIOLOGS TECHNOLOGIES SAS
2021342718	SANOFI	2021351471	NEWSOUTH INNOVATIONS PTY LIMITED; NSW HEALTH PATHOLOGY
2021344433	STARS TECHNOLOGY CORPORATION	2021351490	BLOCK, INC.
2021344448	EQUILIBRIUM ENERGY PTY LTD	2021351500	NA BIOTECH CORP; ADEPT BIOPHARMACEUTICAL AND TECHNOLOGY LTD.
2021346650	HUSQVARNA AB	2021351522	BLAESI, A.H.
2021346763	SANDVIK MINING AND CONSTRUCTION DEUTSCHLAND GMBH	2021351523	GENESYS CLOUD SERVICES, INC.
2021346784	KUHN SAS	2021351541	TRANSLATE BIO, INC.
2021346843	JANSSEN PHARMACEUTICA NV	2021351616	MILKDROP IP PTY LTD
2021346847	JANSSEN PHARMACEUTICA NV	2021351681	ROCKING INC.
2021346866	SYNTHON B.V.	2021351695	COLGATE-PALMOLIVE COMPANY; KATHOLIEKE UNIVERSITEIT LEUVEN; UNIVERSITEIT GENT
2021347205	ENPHASE ENERGY, INC.	2021351697	OPUS MEDICAL THERAPIES, LLC
2021347247	TRANSPONON THERAPEUTICS, INC.	2021351710	THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES
2021347248	MEREDIAN, INC.		
2021347349	AGIOS PHARMACEUTICALS, INC.		
2021347368	CARBON TECHNOLOGY HOLDINGS, LLC		
2021347371	GENESYS CLOUD SERVICES, INC.		
2021347388	TUCKER, R.D.		
2021347597	KOZOR UGANDER CAPITAL PTY LIMITED		
2021347814	TRANSLATE BIO, INC.		
2021347979	Danimer IPCo, LLC		
2021348040	Danimer IPCo, LLC		
2021348168	UNIVERSITY OF SOUTH AUSTRALIA		
2021348256	POLYPLAN-KREIKENBAUM GRUPPE GMBH		

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2021351815	INSTITUTE OF MICROBIOLOGY, CHINESE ACADEMY OF SCIENCES	2021355509	BOSTON SCIENTIFIC NEUROMODULATION CORPORATION
2021351818	SHENZHEN PHARMACIN CO., LTD.	2021355518	ELI LILLY AND COMPANY
2021351916	RENOLD PLC	2021355530	BOSTON SCIENTIFIC NEUROMODULATION CORPORATION
2021352083	SMART & GREEN MUKRAN CONCRETE GMBH	2021355824	VESTAS WIND SYSTEMS A/S
2021352099	ABF DIAGNOSTICS GMBH	2021355846	SUMITOMO PHARMA CO., LTD.
2021352125	SUEZ INTERNATIONAL	2021355969	STUDIENGESELLSCHAFT KOHLE gGMBH
2021352378	CORNELL UNIVERSITY	2021355999	AGARAM.COM, LTD.
2021352405	HOD, Z.	2021356076	IDORSIA PHARMACEUTICALS LTD
2021352423	MERCATOR MEDSYSTEMS, INC.	2021356122	ASTRAZENECA AB
2021352445	HUMAN CENTRED INNOVATIONS PTY LTD	2021356123	ASTRAZENECA AB
2021352659	ZIP HEATERS (AUSTRALIA) PTY LIMITED	2021356129	HIAS HOW2O AS
2021352662	LALANI, O.	2021356135	INSTITUT NATIONAL DE RECHERCHE POUR L'AGRICULTURE, L'ALIMENTATION ET L'ENVIRONNEMENT; INSTITUT NATIONAL DES SCIENCES ET INDUSTRIES DU VIVANT ET DE L'ENVIRONNEMENT; UNIVERSITE PARIS-SACLAY
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2021352876	WUHU MIDEA KITCHEN AND BATH APPLIANCES MFG. CO., LTD.; MIDEA GROUP CO., LTD.	2021356194	SHARE MY SPACE
2021352915	CORNELL UNIVERSITY	2021356227	LIGHTCAST DISCOVERY LTD
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2021352981	DREN BIO, INC.	2021356262	NOKIA TECHNOLOGIES OY
2021353009	KATHOLIEKE UNIVERSITEIT LEUVEN; SPRINGWORKS THERAPEUTICS, INC.; VIB VZW	2021356272	SCRAGG, J.E.
2021353032	HERRENKNECHT AG	2021356514	LG ELECTRONICS INC.
2021353059	SUEZ INTERNATIONAL	2021356527	CTB, INC.
2021353091	BOSTON SCIENTIFIC NEUROMODULATION CORPORATION	2021356531	BEAVERS, J.C.
2021353160	FURUKAWA ELECTRIC CO., LTD.; THE FURUKAWA BATTERY CO., LTD.	2021356560	THE BROAD INSTITUTE, INC.; MASSACHUSETTS INSTITUTE OF TECHNOLOGY
2021353224	NEW-TEC INTEGRATION (XIAMEN) CO., LTD.	2021356583	WEBCO PARTNERS, LLC
2021353391	LINDE GMBH; BUTTING CRYO TECH GMBH	2021356591	GELMEDIX, INC.
2021353454	KONINKLIJKE PHILIPS N.V.	2021356600	UNITED LABORATORIES INTERNATIONAL, LLC
2021353464	ACTIV'INSIDE	2021356630	BOEHRINGER INGELHEIM VETMEDICA GMBH
2021353533	WATERSHED GEOSYNTHETICS LLC	2021356649	CLARA FOODS CO.
2021353544	SUEZ INTERNATIONAL; NEWPORT GMBH	2021356667	REGENXBIO INC.
2021353595	TRANSOCEAN OFFSHORE DEEPWATER DRILLING INC.	2021356705	MEDTRONIC, INC.
2021353684	SHENZHEN PHARMACIN CO., LTD.	2021356807	GRAND LIFE SCIENCES GROUP (WUHAN) CO., LTD.
2021353733	USTAV ORGANICKE CHEMIE A BIOCHEMIE AV CR, V. V. I.; UNIVERZITA PALACKEHO V OLOMOUCI	2021357059	INTERCONTINENTAL GREAT BRANDS LLC
2021353761	TRANSOCEAN SEDCO FOREX VENTURES LIMITED; STEBBINS INNOVATIONS, LLC	2021357076	BECTON, DICKINSON AND COMPANY
2021353790	KOENIG & BAUER AG	2021357118	KONINKLIJKE PHILIPS N.V.
2021353931	TRANSOCEAN OFFSHORE DEEPWATER DRILLING INC.	2021357176	UNICHEM LABORATORIES LTD
2021353942	ECOPWRS LLC	2021357178	SOILMEC SPA
2021353968	ASTRAZENECA AB	2021357224	SQY THERAPEUTICS; UNIVERSITE DE VERSAILLES SAINT-QUENTIN-EN-YVELINES; INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE
2021353995	KONINKLIJKE PHILIPS N.V.	2021357231	WELLTEC OILFIELD SOLUTIONS AG
2021354021	G LIFE	2021357265	LG ELECTRONICS INC.
2021354058	BIRCHHOVER LLC D/B/A LIVEDX	2021357344	CLARIANT PRODUKTE (DEUTSCHLAND) GMBH
2021354095	ABIONYX PHARMA SA	2021357509	LIGHTCAST DISCOVERY LTD
2021354132	STELLENBOSCH UNIVERSITY	2021357511	BMG (BRITISH MEDICAL GROUP) LIMITED
2021354151	AQSEPTENCE GROUP PTY LTD	2021357575	AESULAP AG
2021354164	LONGYEAR TM, INC.	2021357587	KONINKLIJKE PHILIPS N.V.
2021354234	FURUKAWA ELECTRIC CO., LTD.; THE FURUKAWA BATTERY CO., LTD.	2021357608	JAPAN TOBACCO INC.
2021354564	ZHAO, Y.	2021357682	EAGLEPICHER TECHNOLOGIES, LLC
2021354578	DAIKIN INDUSTRIES, LTD.	2021357691	THERACOSBIO, LLC
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2021354821	JIANGSU HENGRUI PHARMACEUTICALS CO., LTD.; SHANGHAI HENGRUI PHARMACEUTICAL CO., LTD.	2021357832	CALYXT, INC.
2021354968	FHG INC.	2021357846	BETT1.DE GMBH
2021355079	FURUKAWA ELECTRIC CO., LTD.; THE FURUKAWA BATTERY CO., LTD.	2021357872	LIGHTCAST DISCOVERY LTD
2021355080	ASAHI GROUP HOLDINGS, LTD.; ASAHI BREWERIES, LTD.	2021357944	BESTSEAT 360 LIMITED
2021355269	ALTECO MEDICAL AB	2021358002	FREENOME HOLDINGS, INC.
2021355306	DOTTEREL TECHNOLOGIES LIMITED	2021358061	MATERIALS AND MACHINES CORPORATION OF AMERICA
2021355358	REALTA LIFE SCIENCES, INC.	2021358069	TENAYA THERAPEUTICS, INC.
2021355455	GCP APPLIED TECHNOLOGIES INC.	2021358099	AQUASYS LLC
2021355468	AUTONOMOUS SOLUTIONS, INC.	2021358123	ENLIVEN THERAPEUTICS, INC.
2021355481	GENZYME CORPORATION	2021358391	VERTIV S.R.L.
		2021358526	CALYXT, INC.
		2021358546	REGENXBIO INC.
		2021358618	L.G.P. TECHNOLOGY HOLDINGS LLC
		2021358659	DREN BIO, INC.

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2021358709	CROWN EQUIPMENT CORPORATION	2021362826	VAST SOLAR PTY LTD
2021358749	PLAINSIGHT CORP.	2021363119	AVECHO BIOTECHNOLOGY LIMITED
2021358756	CONOCOPHILLIPS COMPANY	2021363128	BRAIN CARE DESENVOLVIMENTO E INOVAÇÃO TECNOLÓGICA S.A.
2021358759	SCIENTIA VASCULAR, INC.	2021363135	INMED PHARMACEUTICALS INC.
2021358769	WAGSTAFF, INC.	2021363237	HEBEI LANSHENG BIOTECH CO., LTD; HEBEI LAN-RUN PLANT PROTECTION TECHNOLOGY CO., LTD; HEBEI GUZHIRUN TECHNOLOGY CO., LTD
2021358846	SHORELOC DESIGN GROUP, INC.	2021363262	AMGEN INC.
2021358888	MONOLITH MATERIALS, INC.	2021363584	UNIVERSITEIT GENT; QUEENSLAND UNIVERSITY OF TECHNOLOGY
2021358892	TWIST BIOSCIENCE CORPORATION	2021363722	CHAMBERS, G.A.
2021358924	CONOCOPHILLIPS COMPANY	2021363795	REDIS LTD.
2021358942	SCIENTIA VASCULAR, INC.	2021363804	ANI TECHNOLOGIES PRIVATE LIMITED
2021358946	MERCK SHARP & DOHME LLC	2021363940	ANGEL GROUP CO., LTD.
2021358957	ASKLEPIOS BIOPHARMACEUTICAL, INC.; THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	2021364235	WON KWANG S&T CO.,LTD.
2021358994	SHARKNINJA OPERATING LLC	2021364272	NATIONAL UNIVERSITY OF SINGAPORE
2021358995	DIGNIFY THERAPEUTICS, LLC	2021364291	VERTELLUS HOLDINGS LLC
2021359061	TRANSOCEAN SERVICES AS	2021364293	TONIX PHARMACEUTICALS HOLDING CORP.; TONIX PHARMACEUTICALS INC.
2021359069	SEB S.A.	2021364405	ENVISION ENDOSCOPY, INC.
2021359134	PURPOSEFUL IKE	2021364406	ELANCO US INC.
2021359172	GELION TECHNOLOGIES PTY LTD	2021364407	GI SCIENTIFIC, LLC
2021359225	RECKITT & COLMAN (OVERSEAS) HYGIENE HOME LIMITED	2021364416	AIGEN INC.
2021359747	BOAL SYSTEMEN B.V.	2021364548	VERIMMUNE INC.
2021359759	TOPSOE A/S	2021364550	REPLAY HOLDINGS, INC.
2021359790	SHANDONG UNIVERSITY; SHANDONG HI-SPEED GROUP CO., LTD.	2021364556	DUKE UNIVERSITY
2021359825	CORNELL UNIVERSITY	2021364598	BIO-RAD LABORATORIES, INC.
2021359826	SYROS PHARMACEUTICALS, INC.; ROTH, D.A.	2021364759	TWELVE BENEFIT CORPORATION
2021359852	PREVAIL THERAPEUTICS, INC.	2021364808	NXSTAGE MEDICAL, INC.
2021359962	HITACHI, LTD.	2021364815	SHELTERED WINGS, INC. D/B/A VORTEX OPTICS
2021360114	BIAL - PORTELA & C <sup>a</sup> , S.A.	2021364827	VISGENX, INC.
2021360150	SHELL INTERNATIONALE RESEARCH MAATSCHAP-PIJ B.V.	2021364838	OMVAX, INC.
2021360200	TOPSOE A/S	2021364858	SPEEDER SYSTEMS HOLDING B.V.
2021360235	COLZYX AB	2021364900	XEQUEL BIO, INC.
2021360241	THERAVECTYS	2021364914	THE REGENTS OF THE UNIVERSITY OF CALIFORNIA; VEKTOR MEDICAL, INC.
2021360411	BRISTOL-MYERS SQUIBB COMPANY; JANSSEN PHARMACEUTICA NV	2021365008	ALLAKOS INC.
2021360490	THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM	2021365063	CONSTRUCTION RESEARCH & TECHNOLOGY GMBH
2021360492	JOY GLOBAL SURFACE MINING INC	2021365132	SOLECTA, INC.
2021360580	NETFLIX, INC.	2021365142	IMMUNE-ONC THERAPEUTICS, INC.
2021360596	C4 THERAPEUTICS, INC.	2021365149	NEOGEN CORPORATION
2021360661	MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH	2021365249	WONDERLAND SWITZERLAND AG
2021360753	NEATFRAME LIMITED	2021365321	FIMBINGER, J.
2021360782	FIVE PRIME THERAPEUTICS, INC.	2021365394	CAUSEWAY THERAPEUTICS LIMITED
2021360796	RNAIMMUNE, INC.	2021365596	GUSTOMSC B.V.
2021360803	NEUVANA, LLC	2021365602	UPSTREAM MEDICAL TECHNOLOGIES LIMITED
2021360929	VIASAT, INC.	2021365610	QUANTUM-SI INCORPORATED
2021360938	VIASAT, INC.	2021365611	ANAPTYSBIO, INC.
2021361031	MORPHIC THERAPEUTIC, INC.	2021365642	KULA BIO, INC.
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2021361059	GILEAD SCIENCES, INC.	2021365822	ALNYLAM PHARMACEUTICALS, INC.
2021361063	PREVAIL THERAPEUTICS, INC.	2021365836	ESCIENT PHARMACEUTICALS, INC.
2021361100	NEUROPLAST BEHEER B.V.	2021365844	THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
2021361124	RESNENT, LLC	2021365850	ARVINAS OPERATIONS, INC.
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2021361138	MEMORIAL SLOAN KETTERING CANCER CENTER	2021366254	AVECHO BIOTECHNOLOGY LIMITED
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2021361341	BEN BROGAN PTY LTD	2021366268	THE GOVERNORS OF THE UNIVERSITY OF ALBERTA
2021361343	IPANEMA INDUSTRIA DE PRODUTOS VETERINARIOS LTDA	2021366325	CHEMISCHE FABRIK DR. WEIGERT GMBH & CO. KG
2021361637	SUMITOMO METAL MINING CO., LTD.	2021366334	RSP SYSTEMS A/S
2021361845	MASSACHUSETTS INSTITUTE OF TECHNOLOGY; MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH	2021366379	NICOVENTURES TRADING LIMITED
2021362040	WESTROCK PACKAGING SYSTEMS, LLC	2021366386	LIVE EARTH IMAGING ENTERPRISES, L.L.C.
2021362487	DENALI THERAPEUTICS INC.	2021366441	GHARDA CHEMICALS LIMITED
2021362814	LIMINAL GROUP PTY LTD	2021366447	BAMBINO PREZIOSO SWITZERLAND AG
		2021366497	MEDIWOUND LTD.

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2021366659	SCOUT BIO, INC.	2021368925	CHINA PETROLEUM & CHEMICAL CORPORATION; SHANGHAI RESEARCH INSTITUTE OF PETRO-CHEMICAL TECHNOLOGY, SINOPEC
2021366672	AXOGEN CORPORATION	2021369097	JFE STEEL CORPORATION; JFE GALVANIZING & COATING CO., LTD.
2021366687	MEYER BURGER (GERMANY) GMBH	2021369174	RTX A/S
2021366690	QUANTUM-SI INCORPORATED	2021369215	CATERPILLAR INC.
2021366739	SIENTRA, INC.; GEIGER, S.C.; CARLISLE, D.; MC-CLELLAN, T.	2021369232	NIPPON STEEL CORPORATION
2021366961	PRECAST PERMEABLE CONCRETE AUSTRALIA PTY LTD	2021369283	HYSILABS, SAS
2021366962	FASTBRICK IP PTY LTD	2021369317	CATERPILLAR INC.
2021366976	FELDAN BIO INC.	2021369323	CATERPILLAR INC.
2021366978	GENERAL ENERGY RECOVERY INC.	2021369328	LINDSAY CORPORATION
2021367046	BAYER AKTIENGESELLSCHAFT	2021369354	ILLINOIS TOOL WORKS INC.
2021367125	TCHIBO GMBH	2021369454	KWS SAAT SE & CO. KGAA
2021367145	NUMAB THERAPEUTICS AG	2021369476	SHORELINE BIOSCIENCES, INC.
2021367318	SECOND GENOME, INC.; THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY; OREGON STATE UNIVERSITY	2021369485	ELUCIDA ONCOLOGY, INC.
2021367458	HARA, H.; SHIMAZAWA, M.; NAKAMURA, S.	2021369498	CATERPILLAR INC.
2021367651	TTI CO., LTD.	2021369638	METSO OUTOTEC FINLAND OY
2021367858	CAPITAL ONE SERVICES, LLC	2021369641	LIFINEO
2021367873	MICROBAN PRODUCTS COMPANY	2021369656	UBIQUITOUS ENERGY, INC.
2021367905	CARBIOS	2021369675	FLEXIBLE STEEL LACING COMPANY
2021367952	SOLA BIOSCIENCES LLC	2021369684	HENKEL AG & CO. KGAA
2021367976	INNOVATIVE MOLECULES GMBH	2021369686	AXONICS, INC.
2021367985	SIEBENHAAR, G.L.; SPITALE, L.S.	2021369747	CHILDREN'S HOSPITAL MEDICAL CENTER
2021367997	BIOCARTIS NV	2021369755	VORTEX INDUSTRIAL SOLUTIONS LTD
2021368002	RIJK ZWAAN ZAADTEELT EN ZAADHANDEL B.V.	2021369784	PRECISION PLANTING LLC
2021368019	WISK AERO LLC	2021369793	THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA
2021368047	WISK AERO LLC	2021369796	LOCUS SOLUTIONS IPCo, LLC
2021368052	MERCK SHARP & DOHME LLC	2021369807	OYE THERAPEUTICS, INC
2021368055	CORNING RESEARCH & DEVELOPMENT CORPORATION	2021369833	REGENXBIO INC.
2021368116	GEOQUEST SYSTEMS B.V.	2021369845	INTERNATIONAL WATERS PTY LTD T/A ALPHA-H
2021368120	CAPITAL ONE SERVICES, LLC	2021369846	FITZMAURICE, A.L.
2021368125	COLGATE-PALMOLIVE COMPANY	2021369934	BOMBARDIER RECREATIONAL PRODUCTS INC.
2021368213	INTER-MED, INC.	2021370157	CREATZ INC.
2021368228	THE UNIVERSITY OF SYDNEY	2021370172	SÖDERBERG, O.; WENSON, L.; HELLMAN, B.; BIVHED, E.; HELDIN, J.
2021368233	MCCLURE, T.R.	2021370217	AMYRA BIOTECH AG
2021368240	KEY DH IP INC./IP STRATÉGIQUES DH, INC.	2021370231	BASF SE
2021368245	SPIDERWORT INC.	2021370294	GAS TECHNOLOGY INSTITUTE
2021368272	ATTRALUS, INC.; UNIVERSITY OF TENNESSEE RESEARCH FOUNDATION	2021370362	CARBIOS
2021368285	PANASONIC INTELLECTUAL PROPERTY CORPORATION OF AMERICA	2021370409	MMC RYOTEC CORPORATION
2021368436	NIPPON STEEL CORPORATION	2021370412	FUJITSU GENERAL LIMITED
2021368501	MAYBORN (UK) LIMITED	2021370458	CATERPILLAR INC.
2021368557	PACT PHARMA, INC.	2021370467	LINDSAY CORPORATION
2021368569	H. LEE MOFFITT CANCER CENTER AND RESEARCH INSTITUTE, INC.; MEMGEN, INC.	2021370472	ROHM AND HAAS COMPANY
2021368574	ALAKAI TECHNOLOGIES CORPORATION	2021370483	THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY
2021368607	MASCULL, R.T.; MASCULL, E.J.	2021370486	BAKER HUGHES OILFIELD OPERATIONS LLC
2021368611	SIMEX S.R.L.	2021370554	RIJK ZWAAN ZAADTEELT EN ZAADHANDEL B.V.
2021368622	1CBIO, INC.	2021370592	NIPPON STEEL CORPORATION
2021368635	AMERISE PHARMACEUTICALS PVT LTD.	2021370597	NIPPON STEEL CORPORATION
2021368641	DOMINGOS, D.	2021370630	MEMORIAL SLOAN KETTERING CANCER CENTER
2021368724	WESTROCK PACKAGING SYSTEMS, LLC	2021370631	ORACLE INTERNATIONAL CORPORATION
2021368733	UNIVERSAL HYDROGEN CO.	2021370647	ELUCIDA ONCOLOGY, INC.
2021368741	THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	2021370652	MEMORIAL SLOAN-KETTERING CANCER CENTER; SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH; MEMORIAL HOSPITAL FOR CANCER AND ALLIED DISEASES
2021368754	ASHVATTHA THERAPEUTICS, INC.	2021370653	BECTON, DICKINSON AND COMPANY
2021368756	ARBOR BIOTECHNOLOGIES, INC.	2021370656	MEMORIAL SLOAN KETTERING CANCER CENTER
2021368766	DE' LONGHI APPLIANCES S.R.L. CON UNICO SOCIO	2021370658	CARDURION PHARMACEUTICALS, INC.; VANDERBILT UNIVERSITY
2021368767	DE' LONGHI APPLIANCES S.R.L. CON UNICO SOCIO	2021370660	AMGEN INC.
2021368769	VIELA BIO, INC.	2021370773	THYSSENKRUPP MARINE SYSTEMS GMBH; THYSSENKRUPP AG
2021368773	ARIZONA BOARD OF REGENTS ON BEHALF OF NORTHERN ARIZONA UNIVERSITY	2021370868	CATERPILLAR INC.
2021368783	SHUTTERSTOCK, INC.	2021370870	CATERPILLAR INC.
2021368788	AMGEN INC.	2021370876	CATERPILLAR INC.
2021368862	ANIMAL CONTROL TECHNOLOGIES (AUSTRALIA) PTY LTD	2021370895	INDUSTRIAL POLYMERS AND CHEMICALS, INC.
2021368863	ZEENO PTY LTD	2021370946	NEURON23, INC.
2021368875	MAINZ BIOMED N.V.	2021370962	BECTON, DICKINSON AND COMPANY

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

2021370966	GALY CO.	2021374137	KOBAYASHI PHARMACEUTICAL CO., LTD.
2021371084	PRECISION PLANTING LLC	2021374231	HGWIT PTY LTD
2021371091	SOILMEC SPA	2021374232	ACTINOGEN MEDICAL LIMITED
2021371115	ROBERT EITELHUBER, G.	2021374236	FARMERS EDGE INC.
2021371130	ADAMA AGAN LTD.	2021374559	NANOEAR CORPORATION, INC.
2021371164	COMPOSECURE, LLC	2021374593	CUTSFORTH, INC.
2021371182	DE' LONGHI APPLIANCES S.R.L. CON UNICO SOCIO	2021374637	DYNO NOBEL INC.
2021371334	BALL CORPORATION	2021374725	PIPES & FITTINGS EQOFLUIDS S.L.
2021371434	PAIMCOS PTY LTD	2021374726	ROQUETTE FRERES
2021371442	RESMED PTY LTD	2021374792	FABER, P.
2021371519	NIPPON STEEL CORPORATION	2021374832	COAVE THERAPEUTICS
2021371531	MAX CO., LTD.	2021374839	AMGEN INC.; AMGEN RESEARCH (MUNICH) GMBH
2021371789	BÜHLER AG	2021374843	EMBARK BIOTECH APS
2021372103	NIPPON STEEL CORPORATION	2021374869	STRIKE MOTION LIMITED
2021372362	PALATOV GROUP LLC	2021374875	DIAGEO GREAT BRITAIN LIMITED
2021372383	COLGATE-PALMOLIVE COMPANY	2021374901	GRIPPLE LIMITED
2021372409	BAYON THERAPEUTICS, INC.; THE REGENTS OF THE UNIVERSITY OF CALIFORNIA	2021374933	BRILLIANCE OF BEAUTY, INC.
2021372427	DANA-FARBER CANCER INSTITUTE, INC.; KOREA INSTITUTE OF SCIENCE AND TECHNOLOGY (KIST)	2021374940	GENESYS CLOUD SERVICES INC.
2021372452	PACIFIC INVESTMENT MANAGEMENT COMPANY LLC	2021374950	CARGILL, INCORPORATED
2021372456	QUANTUM-SI INCORPORATED	2021374981	FLUX THERAPEUTICS, INC.
2021372461	BECTON, DICKINSON AND COMPANY	2021375253	BAYER AKTIENGESELLSCHAFT
2021372464	O&M HALYARD, INC.	2021375259	INTERVET INTERNATIONAL B.V.
2021372486	TAU MOTORS, INC.	2021375354	I4F LICENSING NV
2021372511	HENKEL AG & CO. KGAA	2021375390	DIAGEO GREAT BRITAIN LIMITED
2021372532	COLGATE-PALMOLIVE COMPANY	2021375404	PFIZER INC.
2021372535	BLUEPRINT MEDICINES CORPORATION	2021375478	NV BEKAERT SA; SOLETANCHE FREYSSINET
2021372540	IVERIC BIO, INC.	2021375535	DATUM DENTAL LTD.
2021372557	ROYAL MELBOURNE INSTITUTE OF TECHNOLOGY	2021375733	AMGEN INC.; AMGEN RESEARCH (MUNICH) GMBH
2021372646	INFLOWCONTROL AS	2021375734	FOLIUM FOOD SCIENCE LIMITED
2021372704	IMMVIRA CO., LIMITED	2021375735	AATEC MEDICAL GMBH
2021372706	AKESO BIOPHARMA, INC.	2021375740	ESSITY HYGIENE AND HEALTH AKTIEBOLAG
2021372715	UNIVERSIDAD PABLO DE OLAVIDE	2021375973	NATIONAL UNIVERSITY OF SINGAPORE
2021372716	UNIVERSIDAD PABLO DE OLAVIDE	2021376028	THE CURATORS OF THE UNIVERSITY OF MISSOURI
2021372750	METALOGENIA RESEARCH & TECHNOLOGIES, S.L.	2021376056	COLGATE-PALMOLIVE COMPANY
2021372786	HUAWEI TECHNOLOGIES CO., LTD.	2021376143	THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY
2021372900	FOSS ANALYTICAL A/S	2021376188	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI
2021372958	INOLEX INVESTMENT CORPORATION	2021376240	LIQUI-BOX CORPORATION
2021372984	CARGILL, INCORPORATED	2021376246	AMGEN INC.
2021373044	INCYTE CORPORATION	2021376247	CORNING RESEARCH & DEVELOPMENT CORPORATION
2021373062	WAVE LIFE SCIENCES LTD.	2021376271	EDWARDS LIFESCIENCES CORPORATION
2021373082	UOP LLC	2021376273	COLGATE-PALMOLIVE COMPANY
2021373122	ONCONANO MEDICINE, INC.	2021376278	FLUX THERAPEUTICS, INC.
2021373199	THE ALFRED E. MANN FOUNDATION FOR SCIENTIFIC RESEARCH	2021376307	24/7 PIZZA BOX, LLC
2021373275	MYOCENE	2021376310	RUCKER CAPITAL ADVISORS
2021373298	HEIDELBERG PHARMA RESEARCH GMBH	2021376324	MIMEDX GROUP, INC.
2021373484	BREVILLE PTY LIMITED	2021376338	AERIE PHARMACEUTICALS, INC.
2021373566	CAPITAL ONE SERVICES, LLC	2021376348	MEMORIAL SLOAN KETTERING CANCER CENTER
2021373585	BECTON, DICKINSON AND COMPANY	2021376351	MEDIKINE, INC.
2021373632	CAPITAL ONE SERVICES, LLC	2021376381	THE ALFRED E. MANN FOUNDATION FOR SCIENTIFIC RESEARCH
2021373641	FLUID HANDLING LLC	2021376384	CHO PHARMA, INC.
2021373697	BASF PLANT SCIENCE COMPANY GMBH	2021376396	NEOIMMUNETECH, INC.; WASHINGTON UNIVERSITY
2021373698	H3X TECHNOLOGIES INC.	2021376400	PEPSICO, INC.
2021373703	KEYSTONE BIO, INC.	2021376440	SHEPPARD, I.
2021373705	THE ALFRED E. MANN FOUNDATION FOR SCIENTIFIC RESEARCH	2021376455	ENREACH HOT TAP SERVICES INC.
2021373711	UNIVERSITY OF HOUSTON SYSTEM	2021376591	HAIER SMART HOME CO., LTD.; QINGDAO HAIER REFRIGERATOR CO., LTD; HAIER US APPLIANCE SOLUTIONS, INC.
2021373780	AMGEN INC.	2021376642	GAMBRO LUNDIA AB
2021373792	SELECTA BIOSCIENCES, INC.	2021376797	BEIJING SOLOBIO GENETECHNOLOGY CO., LTD.
2021373793	THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA	2021376883	DRUG DISCOVERY AND CLINIC S.R.L.
2021373797	ORCA BIOSYSTEMS, INC.	2021376885	PHARVARIS GMBH
2021373818	FLUX THERAPEUTICS, INC.	2021377119	INSITUGEN LIMITED
2021373873	FLUX THERAPEUTICS, INC.	2021377152	DIMER TECHNOLOGIES PTY LTD
2021373879	THE MEDICAL COLLEGE OF WISCONSIN, INC.	2021377185	REGENERON PHARMACEUTICALS, INC.
2021373985	BAYER AKTIENGESELLSCHAFT	2021377235	DIALECTIC THERAPEUTICS, INC.
2021374036	AMGEN RESEARCH (MUNICH) GMBH; AMGEN INC.	2021377237	NUVASIVE, INC.
2021374039	ALIAxis RESEARCH & TECHNOLOGY		
2021374066	NICOVENTURES TRADING LIMITED		

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2021377273	MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH	2021381750	VEIR, INC.
2021377284	DONALDSON COMPANY, INC.	2021381766	THOMSON REUTERS ENTERPRISE CENTRE GMBH
2021377382	INVENTIO AG	2021381882	MOTOROLA SOLUTIONS, INC.
2021377420	MASTERCARD TECHNOLOGIES CANADA ULC	2021381889	VEIR, INC.
2021377463	SCAN COIN AB	2021381928	BECTON, DICKINSON AND COMPANY
2021377609	THE SCRIPPS RESEARCH INSTITUTE	2021381982	GENENTECH, INC.
2021377620	EDWARDS LIFESCIENCES CORPORATION	2021382051	AEROVATE THERAPEUTICS, INC.
2021377724	NOMAD TACKLE PTY LTD	2021382313	F. HOFFMANN-LA ROCHE AG
2021377746	BIONTECH SE	2021382412	GEM INNOV
2021377790	BECTON, DICKINSON AND COMPANY	2021382589	NERD BIO LLC
2021378036	TECHNISCHE UNIVERSITÄT BERLIN	2021382704	ZOETIS SERVICES LLC
2021378204	HAEYVEN B.V.	2021382807	OBI PHARMA, INC.
2021378273	THE TRUSTEES OF PRINCETON UNIVERSITY	2021382808	ECOLAB USA INC.
2021378276	BAXTER INTERNATIONAL INC.; BAXTER HEALTH-CARE SA	2021382954	CHA VACCINE RESEARCH INSTITUTE CO., LTD
2021378314	MARS, INCORPORATED	2021382955	THE ASAN FOUNDATION; UNIVERSITY OF ULSAN
2021378394	THE CURATORS OF THE UNIVERSITY OF MISSOURI	2021383084	FOUNDATION FOR INDUSTRY COOPERATION
2021378478	ATLAS COPCO AIRPOWER, N.V.	2021383307	NEC PLATFORMS, LTD.
2021378483	INTERVET INTERNATIONAL B.V.	2021383307	COX AUTOMOTIVE, INC.
2021378583	CORENTEC CO., LTD.	2021383416	MURCHIE, B.J.
2021378635	JOHNSTON, M.N.	2021383424	TAKEDA PHARMACEUTICAL COMPANY LIMITED
2021378714	CHRYSEA LIMITED	2021383601	GRADIANT CORPORATON
2021378764	INOVYN EUROPE LIMITED	2021383680	VEIR, INC.
2021378782	CAREFUSION 303, INC.	2021383743	TENEOBIO, INC.
2021378786	EDWARDS LIFESCIENCES CORPORATION	2021383848	PULSE BIOSCIENCES, INC.
2021378789	SHAPE THERAPEUTICS INC.	2021384028	CORDIO MEDICAL LTD.
2021378822	POOL SITE QUOTE PTY LTD	2021384058	EPI-MINDER PTY LTD; COCHLEAR LIMITED
2021378837	RANPAK CORP.	2021384062	BIOJARS HOLDINGS PTY LTD
2021378842	THE REGENTS OF THE UNIVERSITY OF COLORADO, A BODY CORPORATE	2021384593	CJ CHEILJEDANG CORPORATION
2021379051	INTERNATIONAL BUSINESS MACHINES CORPORATION	2021385036	ILIAD BIOTECHNOLOGIES, LLC
2021379076	ALBIREO AB	2021385059	KALIVIR IMMUNOTHERAPEUTICS, INC.
2021379127	SICA S.P.A.	2021385254	WEATHERFORD TECHNOLOGY HOLDINGS, LLC
2021379142	APPTION LABS LIMITED	2021385273	CAREFUSION 303, INC.
2021379143	AMI HOLDINGS LIMITED; BONDARENKO, A.; JALLALY, Z.	2021385341	HGCI, INC.
2021379263	MICRO ELECTROCHEMICAL TECHNOLOGIES S.L.	2021385363	REGENERON PHARMACEUTICALS, INC.
2021379292	MARK ANTHONY INTERNATIONAL SRL	2021385508	CAREFUSION 303, INC.
2021379315	V-WAVE LTD.	2021385532	ECOLAB USA INC.
2021379542	EXOEMIS, INC.	2021385548	DUKE UNIVERSITY; XILIS, INC.
2021379552	BECTON, DICKINSON AND COMPANY	2021385606	CHO PHARMA, INC.
2021379598	AMGEN INC.	2021386023	CYTIVA BIOPROCESS R&D AB
2021379604	LINDSAY CORPORATION	2021386164	F. HOFFMANN-LA ROCHE AG
2021379667	FORM ENERGY, INC.	2021386299	SOCIÉTÉ DES PRODUITS NESTLÉ S.A.
2021379692	PTC THERAPEUTICS INC.	2021386549	SYNGENTA CROP PROTECTION AG
2021379752	BARD ACCESS SYSTEMS, INC.	2021386577	COMAU S.P.A.
2021379781	GENENTECH, INC.	2021386877	LI, S.X.; TANG, Y.
2021379930	NITE IZE, INC.	2021387774	GRIFOLS WORLDWIDE OPERATIONS LIMITED
2021380086	ENERGY DOME S.P.A.	2021387788	SOCIÉTÉ DES PRODUITS NESTLÉ S.A.
2021380194	MITSUBISHI UBE CEMENT CORPORATION	2021387902	ECOLAB USA INC.
2021380440	HUAWEI DIGITAL POWER TECHNOLOGIES CO., LTD.	2021387993	VANDA PHARMACEUTICALS INC.
2021380639	HENDRICKSON USA, L.L.C.	2021388023	LYNAS RARE EARTHS LIMITED
2021380702	TRUMA GERÄTE-TECHNIK GMBH & CO. KG	2021388762	SIKA TECHNOLOGY AG
2021380724	HILL'S PET NUTRITION, INC.	2021388789	OLINK PROTEOMICS AB
2021380774	ESPERA-WERKE GMBH	2021388792	SOCIÉTÉ DES PRODUITS NESTLÉ S.A.
2021380830	VOR BIOPHARMA INC.	2021388793	SOCIÉTÉ DES PRODUITS NESTLÉ S.A.
2021380934	ANALOG DEVICES INTERNATIONAL UNLIMITED COMPANY	2021388831	SOCIÉTÉ DES PRODUITS NESTLÉ S.A.
2021381009	EXSCIENTIA AI LIMITED	2021388832	ITM SOLUCIN GMBH
2021381017	ALLEN, B.M.	2021389989	ELPISCIENCE (SUZHOU) BIOPHARMA, LTD.; ELPISCIENCE BIOPHARMA, LTD.
2021381340	LONZA BEND INC.	2021390474	ABBOTT LABORATORIES
2021381350	VANDERBILT UNIVERSITY	2021390901	LG CHEM, LTD.
2021381361	ZAMPTECH SUB LLC	2021391477	SYNGENTA CROP PROTECTION AG
2021381398	RHEEM MANUFACTURING COMPANY	2021391493	GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED
2021381496	LYELL IMMUNOPHARMA, INC.	2021391841	RHODIA OPERATIONS
2021381503	CAPITAL ONE SERVICES, LLC	2021392316	INOVOBIOLOGIC, INC.
2021381550	INTERDIGITAL VC HOLDINGS FRANCE, SAS	2021392359	SAMSUNG ELECTRONICS CO., LTD.
2021381704	MPS MICRO PRECISION SYSTEMS AG	2021392603	BECTON, DICKINSON AND COMPANY
		2021392614	LEO CANCER CARE, INC.
		2021392797	ELECTROLUX APPLIANCES AKTIEBOLAG
		2021392836	ELECTROLUX APPLIANCES AKTIEBOLAG
		2021392868	SIKA TECHNOLOGY AG
		2021392972	ETH ZÜRICH
		2021393123	ADAMA MAKHTESHIM LTD.

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2021393140	LENOVO (SINGAPORE) PTE. LTD.	2022215754	JIANGSU FLAG CHEMICAL INDUSTRY CO., LTD.
2021393334	ECOMATPRO PTE LTD; ANSON, A.	2022247854	TONGWEI SOLAR (ANHUI) CO., LTD.; TONGWEI SOLAR (JINTANG) CO., LTD.
2021393700	ELECTROLUX APPLIANCES AKTIEBOLAG	2022277557	MARIUS PHARMACEUTICALS LLC
2021393732	SIKA TECHNOLOGY AG	2022278721	INTERNATIONAL BOXES S.R.L.
2021394521	ELECTROLUX APPLIANCES AKTIEBOLAG	2022279209	MIDDLETON, L.
2021394636	UNILEVER GLOBAL IP LIMITED	2022280908	HUAWEI TECHNOLOGIES CO., LTD.
2021394748	IMAGINE PHARMA LLC	2022306258	TELEA MEDICAL GROUP S.R.L.
2021395167	MOTOROLA SOLUTIONS, INC.	2022331904	China University of Mining and Technology; Changzhou Development & Manufacture Centre Co., Ltd.; Xuzhou Coal Mine Safety Equipment Manufacture Co., Ltd.
2021395493	ALCON INC.	2022343574	CHINA UNIVERSITY OF MINING AND TECHNOLOGY
2021395506	RAFAEL ADVANCED DEFENSE SYSTEMS LTD.	2022367006	COSMOAESTHETICS PTY LTD
2021395877	FRIESLANDCAMPINA NEDERLAND B.V.	2022375622	HARRIS, B.
2021396303	ANCESTRY.COM OPERATIONS INC.		
2021396599	ALCON INC.		
2021397775	ABBOTT DIABETES CARE INC.		
2021398166	KAO CORPORATION		
2021398295	ELECTROLUX APPLIANCES AKTIEBOLAG		
2021399124	YARA INTERNATIONAL ASA		
2021399230	BRAINCONNECT PTY LTD		
2021399253	ALCON INC.		
2021399652	ALLNEX BELGIUM, S.A.		
2021399904	ZEALAND PHARMA A/S		
2021401137	ZEALAND PHARMA A/S		
2021401971	HOWE & HOWE INC.		
2021402392	ELECTROLUX APPLIANCES AKTIEBOLAG		
2021403399	ELECTROLUX APPLIANCES AKTIEBOLAG		
2021403477	ELECTROLUX APPLIANCES AKTIEBOLAG		
2021403629	SOCIÉTÉ DES PRODUITS NESTLÉ S.A.		
2021403857	SOCIÉTÉ DES PRODUITS NESTLÉ S.A.		
2021404141	BALMORAL COMTEC LIMITED		
2021404285	ELECTROLUX APPLIANCES AKTIEBOLAG		
2021404385	CLEARWELL ENERGY HOLDINGS LIMITED		
2021404412	HGWIT PTY LTD		
2021404497	ZEALAND PHARMA A/S		
2021405274	POLYPID LTD.		
2021405471	GLOBERIDE, INC.		
2021405635	KWS SAAT SE & CO. KGAA; STICHTING WAGENIN- GEN RESEARCH		
2021406272	SOCIÉTÉ DES PRODUITS NESTLÉ S.A.		
2021406520	KWS SAAT SE & CO. KGAA; STICHTING WAGENIN- GEN RESEARCH		
2021406706	PRIME VECTOR TECHNOLOGIES GMBH		
2021409386	SILGAN WHITE CAP LLC		
2021410119	TORAY INDUSTRIES, INC.		
2021410893	EISAI R&D MANAGEMENT CO., LTD.		
2021412383	GUARDIAN GLASS, LLC		
2021412505	INTERNATIONAL ADVANCED RESEARCH CENTRE FOR POWDER METALLURGY AND NEW MATERIALS (ARCI)		
2021413252	VOR BIOPHARMA INC.		
2021415909	ABBOTT DIABETES CARE INC.		
2021416061	BOSTON SCIENTIFIC SCIMED, INC.		
2021416361	NAVIN SAXENA RESEARCH & TECHNOLOGY PVT. LTD.		
2021417230	PARK, C.C.		
2021417231	EXXONMOBIL TECHNOLOGY AND ENGINEERING COMPANY		
2021417551	SAMSUNG ELECTRONICS CO., LTD.		
2021427678	KABUSHIKI KAISHA TOSHIBA; TOSHIBA INFRA- STRUCTURE SYSTEMS & SOLUTIONS CORPORA- TION		
2021427809	mitsubishi electric corporation		
2021428431	JIANG, Y.		
2021429122	HALLIBURTON ENERGY SERVICES, INC.		
2021429123	HALLIBURTON ENERGY SERVICES, INC.		
2021437091	HALLIBURTON ENERGY SERVICES, INC.		
2021452413	SAIDIAN, S.		
2021456934	OAM PHOTONICS LLC		
2022205410	CCB SUBSEA AS		
2022205899	PETROLIAM NASIONAL BERHAD (PETRONAS)		
2022210635	SAINT-GOBAIN PLACO		
2022210989	6K INC.		
2022211575	SAINT-GOBAIN PLACO		

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2021346784	2021356527	2021371130	2021372984	2021374792	<b><u>A45D 29 /-</u></b>
2021370467	2021369796	2021373985	2021374950	2021386299	2021374933
		2021375253	2021395877	2021388792	
	<b><u>A01K 11 /-</u></b>	2021386549		2021395877	<b><u>A45D 31 /-</u></b>
<b><u>A01B 76 /-</u></b>		2021391477	<b><u>A23D 9 /-</u></b>	2021403629	
2021364416	2021378314	2021393123		2021403857	2021374933
		2022215754	2021371789	2021404412	
	<b><u>A01K 15 /-</u></b>	<b><u>A01N 53 /-</u></b>	2021395877	<b><u>A23L 5 /-</u></b>	<b><u>A45D 44 /-</u></b>
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2021369328	2021378314	2021375253	2021357059	2021374231	<b><u>A45F 3 /-</u></b>
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<b><u>A01C 3 /-</u></b>		2022215754		<b><u>A23P 10 /-</u></b>	2021368641
2020470809	2021378314		2021356649	2021368245	<b><u>A46B 11 /-</u></b>
	<b><u>A01K 7 /-</u></b>	<b><u>A01N 57 /-</u></b>	2021365132	2021382412	2021353995
<b><u>A01D 91 /-</u></b>		2021370231	<b><u>A23J 3 /-</u></b>	<b><u>A23P 30 /-</u></b>	<b><u>A46B 13 /-</u></b>
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<b><u>A01G 17 /-</u></b>		2021370231	2021365132	2021388792	<b><u>A46B 15 /-</u></b>
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	<b><u>A01K 87 /-</u></b>	2021357511	2021386299		
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2021370467	<b><u>A01K 97 /-</u></b>	2021375734	2021350035	<b><u>A24B 3 /-</u></b>	2021351681
2021379604		<b><u>A01P 1 /-</u></b>	2021380724	2021366379	<b><u>A47C 20 /-</u></b>
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	<b><u>A01M 31 /-</u></b>	2021370231	2021371789	2021366379	2021357846
<b><u>A01G 7 /-</u></b>		2021370231	<b><u>A23K 50 /-</u></b>		<b><u>A47C 21 /-</u></b>
2021374236	2021382808	2021371130	2021380724	2021366379	2021363722
2021385341	<b><u>A01M 7 /-</u></b>	<b><u>A01P 15 /-</u></b>	<b><u>A23L 11 /-</u></b>	2021366379	<b><u>A47C 27 /-</u></b>
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2021369796	<b><u>A01N 25 /-</u></b>	<b><u>A01P 3 /-</u></b>	<b><u>A23L 19 /-</u></b>		<b><u>A47C 4 /-</u></b>
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	2021357511	<b><u>A01P 7 /-</u></b>	2021388792	2020483297	2021363722
<b><u>A01H 1 /-</u></b>	2021357511	2021393123	<b><u>A23L 19 /-</u></b>	2021357511	
2021358526	2021359225	<b><u>A01P 15 /-</u></b>	2021368245	<b><u>A41D 19 /-</u></b>	2021353224
2021368002	2021368862	2021359225	<b><u>A23L 2 /-</u></b>	2021372464	<b><u>A47C 7 /-</u></b>
2021369454	2021370231	2021368862	2021374231	<b><u>A41D 31 /-</u></b>	2021351681
2021370554	2021382412	2021393123	2021404412	2021357511	<b><u>A47G 19 /-</u></b>
	2021393123	<b><u>A21D 13 /-</u></b>	<b><u>A23L 25 /-</u></b>		2021371334
<b><u>A01H 4 /-</u></b>	<b><u>A01N 33 /-</u></b>	2021372984	2021386299	<b><u>A45C 13 /-</u></b>	
2021405635	2021357511	2021374950	2021388792	2020339220	<b><u>A47J 27 /-</u></b>
2021406520	<b><u>A01N 35 /-</u></b>	<b><u>A21D 2 /-</u></b>	<b><u>A23L 29 /-</u></b>	2020471975	2021376400
		2021356649	2021406272	<b><u>A45C 3 /-</u></b>	
<b><u>A01H 5 /-</u></b>	2021371130	2021372984	<b><u>A23L 33 /-</u></b>	2020471975	<b><u>A47J 31 /-</u></b>
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2021373697	2021348272	<b><u>A23C 9 /-</u></b>	2021388792	2021371182	
	2021357511	2021403857	2021371789		
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	<b><u>A61B 42 /-</u></b>	<b><u>A61F 2 /-</u></b>	2021350335	2021381340	2021385363
<b><u>A47J 37 /-</u></b>	2021372464	2021349750	2021350916	2021381350	2021387774
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	<b><u>A61B 5 /-</u></b>	2021356583	2021351695	2021382954	2021399904
<b><u>A47J 42 /-</u></b>	2021347597	2021366739	2021351818	2021383424	2021401137
2021373484	2021351233	2021368773	2021352423	2021387993	2021404497
<b><u>A47J 43 /-</u></b>	2021356527	2021376271	2021353009	2021390901	
2021403399	2021356705	2021377620	2021353464	2021392316	<b><u>A61K 39 /-</u></b>
	2021363128	2021377620	2021353684	2021394748	2021348613
	2021366334	2021378583	2021354095	2021403857	2021350156
<b><u>A47K 5 /-</u></b>	2021370653	2021378786	2021354821	2021405274	2021351471
2020471964	2021370656	2021379315	2021355846	2021410119	2021351500
	2021373199		2021356076	2022277557	2021351815
<b><u>A47L 11 /-</u></b>	2021373275	<b><u>A61F 5 /-</u></b>	2021356123		2021352378
2021353995	2021373585	2021352662	2021356243	<b><u>A61K 33 /-</u></b>	2021352981
	2021376381	2021368773	2021356807	2021356123	2021356630
	2021378273	2021373199	2021357608	2021368862	2021358659
<b><u>A47L 5 /-</u></b>	2021380934	2021375740	2021357691	2021379542	2021360241
2021357265	2021381928	2021376381	2021357717	2021381340	2021360782
2021358994	2021382313	2022279209	2021358123		2021361059
	2021384028		2021358946	<b><u>A61K 35 /-</u></b>	2021364548
<b><u>A47L 7 /-</u></b>	2021384058	<b><u>A61F 7 /-</u></b>	2021359134	2021350035	2021365008
2021357265	2021397775	2021374137	2021360114	2021351710	2021365142
	2021399230		2021360490	2021360661	2021367145
<b><u>A47L 9 /-</u></b>	2021415909	<b><u>A61F 9 /-</u></b>	2021360596	2021367318	2021367458
2021357265		2021376338	2021361031	2021368741	2021368741
2021358994	<b><u>A61B 50 /-</u></b>	2021399253	2021361043	2021369476	2021369476
	2021392603		2021361044	2021369476	2021369833
<b><u>A61B 1 /-</u></b>	<b><u>A61B 6 /-</u></b>	<b><u>A61G 5 /-</u></b>	2021361057	2021369793	2021372704
2020471652	2021369354	2021356531	2021361343	2021371789	2021372706
2021361124	2021370630	2021368607	2021363119	2021373797	2021373298
2021361215			2021363135	2021375734	2021373711
2021364407	<b><u>A61B 90 /-</u></b>	<b><u>A61G 7 /-</u></b>	2021363262	2021375735	2021374036
2021367985	2021361215	2021364291	2021364291	2021378036	2021374839
	2021366739	2021364406	2021364406	2021381496	2021375259
<b><u>A61B 17 /-</u></b>		2021365394	2021365394	2021385036	2021376143
2020471652	<b><u>A61C 1 /-</u></b>	2021365836	2021365836		2021376188
2020471756	2021372383	2021365844	2021365844	<b><u>A61K 36 /-</u></b>	2021376384
2021351697		2021366254	2021366254	2021353464	2021376396
2021356583	<b><u>A61C 15 /-</u></b>	2021366268	2021366268	2021361220	2021377746
2021357575	2021349285	2021366497	2021366497	2021369807	2021378483
2021361215		2021367873	2021367873	2021369845	2021380830
2021361845	<b><u>A61C 17 /-</u></b>	2021367976	2021367976	2021374231	2021381340
2021364405	2021372383	2021368052	2021368052	2021404412	2021382704
2021377237	2021376056	2021368622	2021368622		2021382807
2021379752		2021368635	2021368635	<b><u>A61K 38 /-</u></b>	2021382954
2021382955	<b><u>A61C 19 /-</u></b>	2021368756	2021368756	2021348528	2021383424
	2021348604	<b><u>A61J 3 /-</u></b>	2021369807	2021355358	2021389989
<b><u>A61B 18 /-</u></b>		2021351522	2021369845	2021355846	2021391493
2021350194	<b><u>A61C 7 /-</u></b>	<b><u>A61K 103 /-</u></b>	2021370660	2021358957	2021406706
2021383848	2021352662	2021370946	2021370946	2021360235	2021410893
2022306258		2021372409	2021372409	2021360661	
<b><u>A61B 3 /-</u></b>	<b><u>A61C 8 /-</u></b>	2021372427	2021372427	2021360796	<b><u>A61K 41 /-</u></b>
2021395493	2021356583	2021372535	2021372535	2021364550	2021349237
2021396599		2021372540	2021372540	2021364900	
		2021372715	2021372715	2021366497	<b><u>A61K 45 /-</u></b>
		2021372716	2021372716	2021366976	2021352423
		2021373780	2021373780	2021368272	2021356123
		2021373792	2021373792	2021369833	2021357717
		2021373797	2021373797	2021370217	2021360114
		2021374232	2021374232	2021370483	2021361059
		2021374726	2021374726	2021373792	2021364900
		2021374792	2021374792	2021373793	2021364900
		2021376310	2021376310	2021373879	2021365844
		2021376883	2021376883	2021375735	2021367458
		2021376885	2021376885	2021376143	2021372716
		2021377235	2021377235	2021376351	2021373792
					2021376143

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2021382807	2021368213	2021366497	2021358618	2021346847	2021346847
2021383424			2021370962	2021348613	2021350973
2021403857	<b><u>A61K 8 /-</u></b>	<b><u>A61L 27 /-</u></b>	2021372461	2021352981	2021356135
<b><u>A61K 47 /-</u></b>	2021353464	2020471265	2021378276	2021365394	2021358946
	2021357511	2020477103	2021385273	2021369845	2021364827
2020480182	2021368125	2021349788	2021392603	2021376188	2021367318
2021348528	2021372532	2021366672	2022367006	2021390901	2021369845
2021350200	2021372958	2021368245			2021374232
2021351818	2021373703	2021373703	<b><u>A61N 1 /-</u></b>	<b><u>A61P 21 /-</u></b>	2021374726
2021352378	2021376273	2021375535	2021353091	2021358546	2021374843
2021353968	2021382412	2021376324	2021355509	2021359825	2021387774
2021355846			2021355530	2021369747	2021403857
2021360490	<b><u>A61K 9 /-</u></b>	<b><u>A61L 29 /-</u></b>	2021356705		
2021363119		2021373703	2021360803	<b><u>A61P 23 /-</u></b>	<b><u>A61P 31 /-</u></b>
2021365008	2020480182		2021373199	2021359825	2021347814
2021366254	2021347349		2021373275		2021355269
2021366976	2021348528	<b><u>A61L 31 /-</u></b>	2021376381	<b><u>A61P 25 /-</u></b>	2021356630
2021368635	2021349262	2021377273	2021399230		2021358659
2021368754	2021351522			2020480182	2021361059
2021368769	2021351818	<b><u>A61L 9 /-</u></b>	<b><u>A61N 5 /-</u></b>	2021346843	2021364838
2021368862	2021353684	2021357511	2021354021	2021346847	2021367976
2021369485	2021354095		2021376348	2021350335	2021369845
2021369807	2021355846	<b><u>A61M 1 /-</u></b>	2021383424	2021353464	2021373711
2021370647	2021357691			2021358546	2021375259
2021372409	2021360661	2020471652	<b><u>A61P 1 /-</u></b>	2021358659	2021375734
2021372540	2021361343	2021351616		2021359134	2021375735
2021373122	2021364406	2021355269	2021346843	2021360114	2021376384
2021373298	2021365008	2021364808	2021346847	2021363135	2021376883
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2021374726	2021368635	2021376642	2021356076	2021366268	2021378483
2021376310	2021368769		2021358995	2021367318	2021379542
2021377185	2021368862	<b><u>A61M 13 /-</u></b>	2021368635	2021368272	2021382954
2021377235	2021369747		2021370217	2021368754	2021403857
2021382051	2021369845	2020471652	2021374726	2021368769	
2021383743	2021372409	<b><u>A61M 16 /-</u></b>	2021376273	2021369845	<b><u>A61P 33 /-</u></b>
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2021388832	2021373711		2021403857	2021372716	
2021392316	2021373792	<b><u>A61M 25 /-</u></b>		2021374232	<b><u>A61P 35 /-</u></b>
2021399904	2021374726		<b><u>A61P 11 /-</u></b>	2021374792	
2021401137	2021374792	2021352423		2021381350	2021346843
2021404497	2021375735	2021358759	2021350156	2021385036	2021346847
2022277557	2021376143	2021358942	2021350973	2021387993	2021347814
	2021376338	2021361215	2021357608	2021410119	2021348477
<b><u>A61K 48 /-</u></b>	2021377235	2021377790	2021368635	2021410893	2021348613
	2021377746	2021378782	2021376797		2021350161
2021347814	2021379692	2021379552	2021376883	<b><u>A61P 27 /-</u></b>	2021350200
2021349262	2021381340	2021379752		2021350335	2021350335
2021355481	2021382051	2021381928	<b><u>A61P 13 /-</u></b>	2021354095	2021350916
2021358957	2021382412	2021382955		2021356667	2021351815
2021366659	2021385363		2021346843	2021356807	2021352915
2021372704	2021388832	<b><u>A61M 29 /-</u></b>	2021346847	2021364827	2021352981
2021373793	2021390901		2021356076	2021364900	2021353009
2021376797	2021399904	2021366739	2021361138	2021367458	2021353684
	2021401137	2021379752	2021373792	2021372409	2021353968
<b><u>A61K 49 /-</u></b>	2021404497	<b><u>A61M 3 /-</u></b>		2021372540	2021354821
	2021405274	2021361131	2021349680		2021356076
2021366976		<b><u>A61M 39 /-</u></b>	2021353464	<b><u>A61P 29 /-</u></b>	2021356123
2021368754	<b><u>A61L 15 /-</u></b>		2021357608	2021346843	2021357608
2021369485		2021361131	2021360235	2021346847	2021357717
2021416061	2021375535		2021364406	2021350916	2021358659
			2021365836	2021350973	2021360782
<b><u>A61K 51 /-</u></b>	<b><u>A61L 2 /-</u></b>		2021379076	2021356076	2021360796
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2021352378	2021368213		2021394748	2021365836	2021361138
2021352915	2021392603			2021369845	2021361220
2021370647				2021381009	2021363262
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	2021361845				

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2021368754	2021346847				
2021370647	2021350973	2020472904	<b><u>B01F 23 /-</u></b>	<b><u>B02C 19 /-</u></b>	<b><u>B22F 9 /-</u></b>
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2021372535	2021356076	<b><u>B01D 19 /-</u></b>	2021364808	2021369755	2021354564
2021372704	2021357608				
2021372706	2021370483	2021373641	<b><u>B01J 13 /-</u></b>	<b><u>B02C 23 /-</u></b>	<b><u>B23B 35 /-</u></b>
2021373298	2021370658				
2021373711	2021373879	<b><u>B01D 21 /-</u></b>	2021378842	2021365132	2021381017
2021373797	2021374232		2021382412		
2021374036	2021379781	2020472904		<b><u>B02C 9 /-</u></b>	<b><u>B23B 47 /-</u></b>
2021375733	2021387774	2021353059	<b><u>B01J 19 /-</u></b>		
2021376188		2021373641		2021365132	2021381017
2021377185	<b><u>A61Q 1 /-</u></b>		2020470809		
2021379542		<b><u>B01D 25 /-</u></b>	2021344433	<b><u>B04C 3 /-</u></b>	<b><u>B23K 26 /-</u></b>
2021380830	2021372958		2021369283		
2021381009		2021369638	2021370294	2021369755	2021365321
2021381340	<b><u>A61Q 11 /-</u></b>	<b><u>B01D 27 /-</u></b>	2022210989	<b><u>B05B 1 /-</u></b>	<b><u>B23P 11 /-</u></b>
2021381496					
2021382807	2021368125		<b><u>B01J 20 /-</u></b>	2021354968	2021369675
2021383424	2021372532	2021356272			
2021383743	2021376273	<b><u>B01D 33 /-</u></b>	2021348168	<b><u>B05B 7 /-</u></b>	<b><u>B23P 19 /-</u></b>
2021388832			2021377152		
2021389989	<b><u>A61Q 17 /-</u></b>	2021354151	<b><u>B01J 21 /-</u></b>	2021354968	2021369675
2021405274					
	2021357511	<b><u>B01D 35 /-</u></b>	2021378394	<b><u>B07B 1 /-</u></b>	<b><u>B23Q 15 /-</u></b>
<b><u>A61P 37 /-</u></b>	<b><u>A62B 18 /-</u></b>				
		2021356272	<b><u>B01J 23 /-</u></b>	2021354151	2021381017
2021346866	2020483297	<b><u>B01D 37 /-</u></b>		<b><u>B08B 17 /-</u></b>	<b><u>B24C 5 /-</u></b>
2021347814			2021358888		
2021350156	<b><u>A62B 23 /-</u></b>	2020472904	2021388023	2021353454	2021354968
2021350973				2021404385	
2021356122	2020483297	<b><u>B01D 39 /-</u></b>	<b><u>B01J 35 /-</u></b>		<b><u>B24C 7 /-</u></b>
2021357176	2021357511			<b><u>B08B 3 /-</u></b>	2021354968
2021365008		2021348256	2021378394		
2021365611	<b><u>A63B 21 /-</u></b>	2021357511	<b><u>B01J 37 /-</u></b>	2021358756	<b><u>B24D 18 /-</u></b>
2021365836		2021370895			
2021366659	2021368863	<b><u>B01D 46 /-</u></b>	2021378394	<b><u>B08B 7 /-</u></b>	2020477829
2021368769	2021373275				
2021370217	2021378204		<b><u>B01J 38 /-</u></b>	2021404385	<b><u>B24D 3 /-</u></b>
2021373797	2021378635	2021370895		<b><u>B08B 9 /-</u></b>	2020477829
2021376351	2021417230	<b><u>B01D 53 /-</u></b>	2021356600		
2021381009				2021364407	2020477829
2021389989	<b><u>A63B 23 /-</u></b>	2021358888	<b><u>B01J 39 /-</u></b>		<b><u>B25C 5 /-</u></b>
2021403857		2021359759		<b><u>B09B 1 /-</u></b>	2021369675
<b><u>A61P 41 /-</u></b>	2021368863	2021369796	2021364759		
	2021378204	2021377152	<b><u>B01J 7 /-</u></b>	2021353533	<b><u>B25J 11 /-</u></b>
2021377273	2021417230	2021399124			
	<b><u>A63B 24 /-</u></b>	<b><u>B01D 61 /-</u></b>	2021369283	<b><u>B09B 3 /-</u></b>	2021352445
<b><u>A61P 43 /-</u></b>					
	2021370157		<b><u>B01J 8 /-</u></b>	2020470809	<b><u>B25J 19 /-</u></b>
2021355846	2021378204	2021351541		2021364235	
2021357608		2021365132	2021369283	<b><u>B09C 1 /-</u></b>	2021352445
2021369845	<b><u>A63B 69 /-</u></b>	2021383601	<b><u>B01L 3 /-</u></b>		
2021410119				2021369796	<b><u>B25J 5 /-</u></b>
	2021370157	<b><u>B01D 65 /-</u></b>	2021352099		
<b><u>A61P 5 /-</u></b>	2021374869		2021356227	<b><u>B21D 22 /-</u></b>	2021366962
2022277557	<b><u>A63B 71 /-</u></b>	2021383601	2021357509		
			2021357872	2021371334	<b><u>B25J 9 /-</u></b>
<b><u>A61P 7 /-</u></b>	2021370157	<b><u>B01D 69 /-</u></b>	2021364598	<b><u>B21D 51 /-</u></b>	2021352445
	2021378204				2021366962
2021347349	2021417230	2021373082	<b><u>B02C 11 /-</u></b>	2021371334	
2021348528		<b><u>B01D 71 /-</u></b>			<b><u>B26D 1 /-</u></b>
2021351471	<b><u>A63F 1 /-</u></b>		2021365132	<b><u>B22D 11 /-</u></b>	
2021353464		2021364759			2021364235
2021376885	2021363940	2021373082	<b><u>B02C 13 /-</u></b>	2021354564	2021379127
2021379781	<b><u>B01D 15 /-</u></b>				
		2021369846			
	2021348168				

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<b><u>B26D 3 /-</u></b>	<b><u>B41F 11 /-</u></b>	<b><u>B60V 1 /-</u></b>	<b><u>B64C 29 /-</u></b>	<b><u>B65D 73 /-</u></b>	<b><u>C01B 3 /-</u></b>
2021379127	2021353790	2021364858	2021364858	2021362040	2021359759
<b><u>B26F 3 /-</u></b>	<b><u>B41F 13 /-</u></b>	<b><u>B60W 30 /-</u></b>	2021368019	<b><u>B65D 81 /-</u></b>	2021360200
2021378837	2021353790	2020478273	2021368047	2021392603	2021369283
<b><u>B27F 7 /-</u></b>	<b><u>B41F 19 /-</u></b>	<b><u>B60W 40 /-</u></b>	<b><u>B64C 3 /-</u></b>	<b><u>B65D 83 /-</u></b>	<b><u>C01B 32 /-</u></b>
2021369675	2021353790	2020478273	2021368047	2021376307	2021358888
<b><u>B28D 1 /-</u></b>	<b><u>B41F 23 /-</u></b>	<b><u>B61L 23 /-</u></b>	<b><u>B64C 35 /-</u></b>	<b><u>B65D 85 /-</u></b>	<b><u>C01D 15 /-</u></b>
2021346650	2021353790	2021359962	2021364858	2021387788	2022210989
2021350542	<b><u>B41J 2 /-</u></b>	<b><u>B62B 3 /-</u></b>	<b><u>B64C 39 /-</u></b>	2021388793	<b><u>C01F 17 /-</u></b>
<b><u>B28D 7 /-</u></b>	2020474861	2021376440	2021368019	2021388831	2021388023
2021346650	<b><u>B41M 3 /-</u></b>	<b><u>B62D 15 /-</u></b>	2021379604	<b><u>B65G 27 /-</u></b>	<b><u>C01G 41 /-</u></b>
2021350542	2021353790	2021355468	<b><u>B64D 27 /-</u></b>	2021346763	<b><u>C01G 41 /-</u></b>
<b><u>B29B 11 /-</u></b>	<b><u>B42D 25 /-</u></b>	<b><u>B62D 53 /-</u></b>	2021368019	<b><u>B65G 43 /-</u></b>	2021361637
2021347248	2021353790	2020478273	2021368047	2021346763	<b><u>C02F 1 /-</u></b>
2021347979	<b><u>B60B 33 /-</u></b>	<b><u>B62D 55 /-</u></b>	<b><u>B64D 41 /-</u></b>	<b><u>B65H 29 /-</u></b>	2020472904
<b><u>B29C 31 /-</u></b>	2021376440	2021369498	2021368019	2021377463	2021348337
2021372750	<b><u>B60B 35 /-</u></b>	2021370458	<b><u>B64G 1 /-</u></b>	2021377463	2021365804
<b><u>B29C 41 /-</u></b>	2021380639	2021370870	<b><u>B64G 3 /-</u></b>	<b><u>B65H 31 /-</u></b>	2021366255
2021372464	<b><u>B60G 11 /-</u></b>	2021401971	2021356194	2021377463	<b><u>C02F 103 /-</u></b>
<b><u>B29C 43 /-</u></b>	<b><u>B63B 1 /-</u></b>	<b><u>B63B 21 /-</u></b>	<b><u>B65C 9 /-</u></b>	<b><u>B65H 45 /-</u></b>	2021348337
2021349252	2020473307	2021369934	2021380774	2022278721	2021365804
<b><u>B29C 45 /-</u></b>	<b><u>B60G 17 /-</u></b>	<b><u>B63B 21 /-</u></b>	<b><u>B65D 1 /-</u></b>	<b><u>B66B 5 /-</u></b>	<b><u>C02F 11 /-</u></b>
2021349252	2020473307	2021365596	2021371334	2021377382	2020470809
<b><u>B29C 49 /-</u></b>	<b><u>B60H 1 /-</u></b>	<b><u>B63B 35 /-</u></b>	<b><u>B65D 30 /-</u></b>	<b><u>B66F 19 /-</u></b>	2021354151
2021347248	2021380702	2021365596	2020471975	2022331904	<b><u>C02F 3 /-</u></b>
2021347979	<b><u>B60L 58 /-</u></b>	<b><u>B63B 39 /-</u></b>	<b><u>B65D 33 /-</u></b>	<b><u>B67D 1 /-</u></b>	2020470809
<b><u>B29K 67 /-</u></b>	2021372362	2021369934	2020471975	2021376240	2021352125
2021347248	<b><u>B60N 2 /-</u></b>	<b><u>B63B 59 /-</u></b>	<b><u>B65D 41 /-</u></b>	<b><u>B67D 3 /-</u></b>	2021353059
2021347979	2021365249	2021353454	2021409386	2021376240	2021353544
2021349252	2021366447	<b><u>B63G 8 /-</u></b>	<b><u>B65D 47 /-</u></b>	<b><u>B67D 3 /-</u></b>	2021356129
<b><u>B29L 31 /-</u></b>	<b><u>B60P 1 /-</u></b>	2021370773	2021409386	2021376240	<b><u>C02F 5 /-</u></b>
2021347979	2021386577	<b><u>B63H 5 /-</u></b>	<b><u>B65D 51 /-</u></b>	<b><u>B82B 1 /-</u></b>	2021366255
2021349252	<b><u>B60P 3 /-</u></b>	2021369934	2021376240	2021361637	<b><u>C04B 11 /-</u></b>
<b><u>B31D 5 /-</u></b>	2021386577	<b><u>B64C 13 /-</u></b>	2021392603	<b><u>B82Y 15 /-</u></b>	2022210635
2021378837	<b><u>B60P 7 /-</u></b>	2021368574	2021409386	2021372557	<b><u>C04B 14 /-</u></b>
<b><u>B32B 15 /-</u></b>	2021379930	<b><u>B64C 19 /-</u></b>	<b><u>B65D 53 /-</u></b>	<b><u>B82Y 99 /-</u></b>	2021393732
2021369097	<b><u>B60R 22 /-</u></b>	2021368047	2021409386	2021392614	<b><u>C04B 24 /-</u></b>
<b><u>B32B 27 /-</u></b>	2021365249	<b><u>B64C 27 /-</u></b>	<b><u>B65D 71 /-</u></b>	<b><u>C01B 21 /-</u></b>	2021365063
2021361637	<b><u>B60T 17 /-</u></b>	2021368047	2021362040	2021399124	2021388762
<b><u>B32B 7 /-</u></b>	2021380639	2021368574	2021368724	<b><u>C01B 25 /-</u></b>	<b><u>C04B 28 /-</u></b>
2021361637				2021360200	2021348256
					2021355455
					2021365063
					2021392868

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2021393732	<b><u>C07C 317 /-</u></b>	<b><u>C07D 257 /-</u></b>	<b><u>C07D 409 /-</u></b>	<b><u>C07D 498 /-</u></b>	2021373818
<b><u>C04B 38 /-</u></b>	2021392316	2021350015	2021358946	2021356076	2021373873
2021358769	<b><u>C07C 45 /-</u></b>	<b><u>C07D 261 /-</u></b>	2021372535		2021374981
<b><u>C04B 40 /-</u></b>	2021391841	2021386549	<b><u>C07D 413 /-</u></b>	<b><u>C07D 513 /-</u></b>	2021376278
2021355455	<b><u>C07C 51 /-</u></b>	<b><u>C07D 277 /-</u></b>	2021350335	2021346847	2021376384
2021388762	2021391841	2021350916	2021350916	2021370660	2021376797
2021392868		2021367976	2021353009	<b><u>C07D 519 /-</u></b>	2021378483
<b><u>C04B 7 /-</u></b>	<b><u>C07D 205 /-</u></b>	<b><u>C07D 311 /-</u></b>	2021356076	2021357608	2021382589
2021355455	2021346866	2021392316	2021366268		2021386023
<b><u>C05F 3 /-</u></b>	2021350335		2021373044		2021389989
	<b><u>C07D 207 /-</u></b>	<b><u>C07D 319 /-</u></b>	2021386549		2021394748
2020470809	2021358995	2021368925	2021410119	<b><u>C07F 9 /-</u></b>	
<b><u>C07B 49 /-</u></b>	2021361031	<b><u>C07D 401 /-</u></b>	2022215754	2021355969	<b><u>C07K 16 /-</u></b>
2021374232	<b><u>C07D 209 /-</u></b>		<b><u>C07D 417 /-</u></b>	2021361059	2021342718
<b><u>C07B 53 /-</u></b>	2021350335	2021346843	2021350916		2021348613
2021355969	2021358946	2021346847	2021353009	<b><u>C07H 13 /-</u></b>	2021350156
	2021360596	2021350335	2021410119		2021351471
<b><u>C07B 57 /-</u></b>	<b><u>C07D 211 /-</u></b>	2021353009	2022215754	<b><u>C07H 15 /-</u></b>	2021351500
2021360411	2021373044	2021358946			2021352378
<b><u>C07B 59 /-</u></b>	<b><u>C07D 213 /-</u></b>	2021359826	<b><u>C07D 451 /-</u></b>	2021365844	2021352981
2021367976	2021360411	2021360596	2021374232		2021355518
<b><u>C07C 1 /-</u></b>	2021364291	2021361043	<b><u>C07D 471 /-</u></b>	<b><u>C07H 19 /-</u></b>	2021356122
2021359759	2021391477	2021361044	2021346843	2021361059	2021356630
2021360200	<b><u>C07D 215 /-</u></b>	2021363262	2021346847		2021358659
<b><u>C07C 233 /-</u></b>	2021353009	2021366441	2021350161	<b><u>C07H 21 /-</u></b>	2021360782
	2021359826	2021367046	2021350335	2021373062	2021365142
2021363237	2021368622	2021368622	2021350973	2021377284	2021365611
	2021410119	2021372427	2021353009	<b><u>C07H 3 /-</u></b>	2021367145
<b><u>C07C 237 /-</u></b>	<b><u>C07D 221 /-</u></b>	2021373985	2021357176	2021350104	2021367458
2021373044	2021350335	2021373985	2021358946	<b><u>C07K 1 /-</u></b>	2021368769
<b><u>C07C 253 /-</u></b>	<b><u>C07D 231 /-</u></b>	2021375253	2021360411	2021355518	2021370483
	2021348477	2021379781	2021361031	2021376246	2021372706
2021363237	<b><u>C07D 237 /-</u></b>	2021381350	2021363262	2021377284	2021373298
<b><u>C07C 255 /-</u></b>	2021360596	2021410119	2021370946	2021386023	2021373703
2021363237	2021346843	<b><u>C07D 403 /-</u></b>	2021372427		2021374036
2021373044	2021346847		2021373044	<b><u>C07K 14 /-</u></b>	2021374839
<b><u>C07C 299 /-</u></b>	<b><u>C07D 229 /-</u></b>	2021346843	2021381009	202135518	2021375733
	2021350335	2021346847	<b><u>C07D 487 /-</u></b>	2021376246	2021376246
2021363237	2021350015	2021350335	2021350973	2021377284	2021376384
<b><u>C07C 255 /-</u></b>	<b><u>C07D 237 /-</u></b>	2021350916	2021354821	2021382807	2021376384
2021363237	2021348477	2021350973	2021358946	2021382807	2021377609
		2021358946	2021361057	2021382807	2021379598
2021363237	2021346843	2021360596	2021363262	2021386023	2021382704
2021373044	2021346847	2021365850	2021364406		2021382807
<b><u>C07C 29 /-</u></b>	<b><u>C07D 239 /-</u></b>	2021372535	2021368052	<b><u>C07K 17 /-</u></b>	2021383743
	2021358123	2021379781	2021370658	2021355269	2021385606
2021360200	2022215754	<b><u>C07D 405 /-</u></b>	2021370660	2021355358	2021386023
<b><u>C07C 309 /-</u></b>	<b><u>C07D 241 /-</u></b>	2021350335	2021381009	2021356560	2021389989
	2021366268	2021356076	<b><u>C07D 489 /-</u></b>	2021356630	2021391493
2021347814	2021366268	2021358946	2021364406	2021356649	2021410893
<b><u>C07C 31 /-</u></b>	<b><u>C07D 243 /-</u></b>	2021359825	2021368052	2021356667	
	2021372535	2021367046	2021370658	2021357224	<b><u>C07K 19 /-</u></b>
2021392316	2021379781	2021372535	2021370660	2021358546	2021366976
<b><u>C07C 311 /-</u></b>	<b><u>C07D 249 /-</u></b>	2021381350	2021381009	2021358957	2021369833
	2021366268	2021410119	<b><u>C07D 491 /-</u></b>	2021360796	
2021347814	<b><u>C07D 249 /-</u></b>	<b><u>C07D 407 /-</u></b>	2021416361	2021364550	<b><u>C07K 7 /-</u></b>
	2021360411	2021356076	<b><u>C07D 495 /-</u></b>	2021364838	2021358995
		2021372535	2021358123	2021364900	2021366976
				2021365602	2021373879
				2021366976	2021374843
				2021367952	2021376351
				2021368002	
				2021368272	
				2021368557	
				2021368788	
				2021369833	
				2021370217	
				2021370652	

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<b><u>C08F 2 /-</u></b>	<b><u>C08K 11 /-</u></b>	<b><u>C09D 7 /-</u></b>	2021372511	2021357224	<b><u>C12N 7 /-</u></b>
2021348168	2021368245		2021385532	2021357832	2021369793
2021366255		2021370472		2021358069	2021374832
	<b><u>C08K 3 /-</u></b>		<b><u>C11D 11 /-</u></b>	2021358526	2021375259
<b><u>C08F 212 /-</u></b>	2021372464	<b><u>C09H 3 /-</u></b>	2021366325	2021358546	
2021376028	2021378764	2021356591	2021385532	2021358892	
			2021394636	2021358957	<b><u>C12N 9 /-</u></b>
<b><u>C08F 214 /-</u></b>	<b><u>C08K 5 /-</u></b>	<b><u>C09K 19 /-</u></b>	<b><u>C11D 17 /-</u></b>	2021359852	2021342718
2021378764	2021347248	2020476498	2021369684	2021360796	2021355481
	2021347979		2021372511	2021361063	2021360796
<b><u>C08F 220 /-</u></b>	2021349252	<b><u>C09K 3 /-</u></b>		2021364272	2021364596
2021376028	2021349788	2021361637	<b><u>C11D 3 /-</u></b>	2021364550	2021366976
2021378764	2021355969	2021398166		2021365394	2021367905
			2021366325	2021365822	2021368756
<b><u>C08F 259 /-</u></b>	<b><u>C08L 1 /-</u></b>	<b><u>C09K 8 /-</u></b>	2021368213	2021366976	2021370172
2021378764	2021368245	2020481929	2021369684	2021367905	2021370217
			2021372511	2021368272	2021370362
<b><u>C08F 293 /-</u></b>	<b><u>C08L 11 /-</u></b>	<b><u>C10B 47 /-</u></b>	2021382412	2021368557	2021373062
2021348168	2021372464	2021347388	2021385532	2021368569	2021373818
2021373122		2021380194	2021387902	2021368756	2021373873
	<b><u>C08L 23 /-</u></b>	<b><u>C10B 53 /-</u></b>	2021394636	2021368788	2021374981
<b><u>C08F 4 /-</u></b>	2021378842	2021379292	<b><u>C12C 11 /-</u></b>	2021369747	2021374981
2021376028				2021369793	2021376278
	<b><u>C08L 27 /-</u></b>	2021347388	2021379292	2021369833	2021378789
<b><u>C08G 18 /-</u></b>	2021378764	2021380194	<b><u>C12C 12 /-</u></b>	2021370172	2021382589
2021399652	2021378842			2021370362	2021384593
		<b><u>C10B 57 /-</u></b>	2021379292	2021370554	<b><u>C12P 13 /-</u></b>
<b><u>C08G 73 /-</u></b>	<b><u>C08L 5 /-</u></b>	2021347388	<b><u>C12C 3 /-</u></b>	2021370652	2021384593
2021363584	2021350104			2021372540	
		<b><u>C10C 3 /-</u></b>	2021373062	2021373062	<b><u>C12P 19 /-</u></b>
<b><u>C08G 83 /-</u></b>	<b><u>C08L 67 /-</u></b>	2021417231	2021373780	2021373793	2021357344
2021368754	2021347248	<b><u>C10G 51 /-</u></b>	2021373818	2021373793	2021358892
	2021347979	2021417231	2021373873	2021374981	2021365149
<b><u>C08H 1 /-</u></b>	2021348040	<b><u>C10G 55 /-</u></b>	2021375404	2021375404	2021370966
2021356591	2021349252	2021417231	2021375734	2021376278	<b><u>C12P 21 /-</u></b>
			2021376278	2021376797	2021357344
<b><u>C08J 11 /-</u></b>	<b><u>C08L 9 /-</u></b>	2021417231	2021376797	2021378036	2021378714
2021367905	2021372464	<b><u>C10G 69 /-</u></b>	2021378789	2021378789	2021410893
2021370362		2021417231	2021384593	2021385036	
	2021417231	<b><u>C10G 9 /-</u></b>	2021385036	2021385059	<b><u>C12Q 1 /-</u></b>
<b><u>C08J 3 /-</u></b>	<b><u>C09B 67 /-</u></b>	2021417231	2021388789	2021388789	2020471426
2021356591	2021382412	<b><u>C10K 3 /-</u></b>	2021389989	2021389989	2021356227
2021368245			2021392972	2021392972	2021357509
2021376028	<b><u>C09D 109 /-</u></b>	2021359759	2021405635	2021405635	2021357872
	2021372464	2021360200	2021406520	2021406520	2021358061
<b><u>C08J 5 /-</u></b>		<b><u>C10L 3 /-</u></b>	2021406706	2021406706	2021358892
2021349788	<b><u>C09D 133 /-</u></b>	2021417231	2021365642	2021410893	2021361063
2021372464	2021370472	<b><u>C10K 3 /-</u></b>	<b><u>C12N 1 /-</u></b>	<b><u>C12N 5 /-</u></b>	2021364596
2021373082					2021364598
	2021370472	2021359759	2021350035	2020471426	2021365149
<b><u>C08J 7 /-</u></b>	<b><u>C09D 167 /-</u></b>	2021360200	2021365642	2021350981	2021367997
2021373082	2021372464	<b><u>C10L 5 /-</u></b>	2021378714	2021351710	2021368875
2021378842		2020470809	2021385036	2021351815	2021370172
	2021348040	2021350108	2021410893	2021358526	2021370217
<b><u>C08J 9 /-</u></b>	<b><u>C09D 175 /-</u></b>	2021380194	<b><u>C12N 15 /-</u></b>	2021367458	2021377119
2021348168	2021399652			2021368557	2021377284
2021368245		<b><u>C11D 1 /-</u></b>	2021342718	2021368741	2021388789
2021373082	<b><u>C09D 5 /-</u></b>	2021366325	2021348613	2021369476	<b><u>C12R 1 /-</u></b>
	2021370472	2021369684	2021350156	2021370652	2021370966
			2021351541	2021370966	2021380830
			2021351815	2021381496	2021385548
			2021355481	2021410893	2021413252
			2021355846		<b><u>C13B 10 /-</u></b>
			2021356243		2021369846
			2021356560		
			2021356649		
			2021356667		

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

<b><u>C13B 5/-</u></b>	<b><u>C23C 2/-</u></b>	<b><u>E01C 23/-</u></b>	<b><u>E04B 2/-</u></b>	<b><u>E21B 33/-</u></b>	<b><u>F01D 5/-</u></b>
2021369846	2021365696 2021369097	2021346650 2021350542 2021368611	2021358846 2021452413	2020481686 2020483347	2021378478
<b><u>C13B 99/-</u></b>	<b><u>C23C 28/-</u></b>		<b><u>E04D 13/-</u></b>	2021357231 2021429122 2021437091 2022205410	<b><u>F01K 25/-</u></b>
2021369846	2021369097	<b><u>E01C 9/-</u></b>	2021359747		2021380086
<b><u>C21B 13/-</u></b>	<b><u>C23F 1/-</u></b>	2021393334	<b><u>E04F 15/-</u></b>	<b><u>E21B 34/-</u></b>	<b><u>F01K 3/-</u></b>
2021350108	2021354564	<b><u>E02D 11/-</u></b>	2021375354		2021380086
<b><u>C21D 1/-</u></b>	<b><u>C23F 11/-</u></b>	2021357178	<b><u>E04G 21/-</u></b>	2020481686 2020483339 2020483347 2020483459 2021370486 2021372646 2021429122	<b><u>F01K 9/-</u></b>
2021365321	2021358756 2021358924	<b><u>E02D 17/-</u></b>	2021366962		2021380086
<b><u>C21D 8/-</u></b>	<b><u>C23F 14/-</u></b>	2021353032 2021353533 2021375478	<b><u>E04H 12/-</u></b>		<b><u>F03B 13/-</u></b>
2021369232 2021370592 2021370597 2021371519 2021372103	2021358924	<b><u>E02D 27/-</u></b>	2021351145 2021352083 2021354769	<b><u>E21B 37/-</u></b>	2020369157
<b><u>C21D 9/-</u></b>	<b><u>C23G 5/-</u></b>	2021351145 2021352083 2021353032 2021354769 2021365596	<b><u>E05B 17/-</u></b>	2021404385	2020369157
2021365321	2021358924	<b><u>E02D 29/-</u></b>	2021368607	<b><u>E21B 41/-</u></b>	<b><u>F03B 3/-</u></b>
<b><u>C22B 1/-</u></b>	2021359759 2021360200 2021368240 2021375973	2021358846 2021375478	2021368607	2021357178 2021429123	2020369157
2021347368 2021350836	<b><u>C25B 1/-</u></b>	<b><u>E02D 3/-</u></b>	<b><u>E05B 65/-</u></b>	<b><u>E21B 43/-</u></b>	<b><u>F03D 13/-</u></b>
<b><u>C22B 26/-</u></b>	<b><u>C25B 15/-</u></b>	2021375478	2021412383	2020481929 2020481934 2020483339 2020483459 2021353942 2021360150 2021366978 2021368116 2021372646 2021429123 2021437091 2022205899	2021365596
2021359172	2021368240 2021375973	<b><u>E02D 7/-</u></b>	<b><u>E06B 3/-</u></b>		<b><u>F03D 15/-</u></b>
<b><u>C22B 3/-</u></b>	<b><u>C25B 9/-</u></b>	2021375478	2021412383	<b><u>E21B 9/-</u></b>	2021355824
2021359172	2021368240 2021375973	<b><u>E02D 9/-</u></b>	<b><u>E21B 10/-</u></b>	2021354164 2021370409	<b><u>F03G 6/-</u></b>
<b><u>C22B 5/-</u></b>	<b><u>D01F 2/-</u></b>	2021357178	<b><u>E21B 17/-</u></b>		2021344448
2021347368 2021350836	2021370966	<b><u>E02F 3/-</u></b>	2020481934 2021353761 2021354164 2021429123	<b><u>E21B 44/-</u></b>	2021344448
<b><u>C22B 7/-</u></b>	<b><u>D01F 9/-</u></b>	2021368611 2021369317 2021370868	<b><u>E21B 19/-</u></b>	2021353595 2021429123	<b><u>F04B 13/-</u></b>
2021359172	2021417231	<b><u>E02F 5/-</u></b>	2021353761 2021353931	<b><u>E21B 47/-</u></b>	2021379263
<b><u>C22C 18/-</u></b>	<b><u>D03D 1/-</u></b>	2021353032 2021368611	<b><u>E21B 21/-</u></b>	2020481929 2021368116 2021368233 2022205899	2021379263
2021365696 2021369097	2021356154	<b><u>E02F 9/-</u></b>	2021353931 2021359061	<b><u>E21B 7/-</u></b>	<b><u>F04B 23/-</u></b>
<b><u>C22C 21/-</u></b>	<b><u>D03D 15/-</u></b>	2021369317 2021369323 2021370868 2021370876 2021372750	<b><u>E21B 23/-</u></b>	2021353032 2021357178 2021368233 2021371091 2021385254	2021379263
2021365696 2021369097	2021356154	<b><u>E03C 1/-</u></b>	2020481686 2020483347 2021360150 2021370486 2021372646 2021385254 2021429122 2021437091	<b><u>E21D 1/-</u></b>	<b><u>F04B 43/-</u></b>
<b><u>C22C 30/-</u></b>	<b><u>D05C 17/-</u></b>	2021352659	<b><u>E21B 31/-</u></b>		2021379263
2021369097	2021353533	<b><u>E04B 1/-</u></b>	2021354164	<b><u>E21F 17/-</u></b>	<b><u>F04B 49/-</u></b>
<b><u>C22C 38/-</u></b>	<b><u>D06F 58/-</u></b>	2021452413		2022331904	2021379263
2021365696 2021369232 2021370592 2021370597 2021371519 2021372103 2021386877	2021356514	<b><u>E01C 11/-</u></b>			<b><u>F04B 7/-</u></b>
	<b><u>D21J 7/-</u></b>				2021379263
	2021374875 2021375390				<b><u>F16B 2/-</u></b>
	<b><u>E01C 11/-</u></b>				2021378478
	2021366961				<b><u>F16B 29/-</u></b>
					2021366258

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

<b><u>F16B 31 /-</u></b>			<b><u>F27D 7 /-</u></b>	<b><u>G01N 1 /-</u></b>	<b><u>G01R 27 /-</u></b>
2021366258	<b><u>F16L 47 /-</u></b>	<b><u>F24F 3 /-</u></b>	2022210635	2021364598	2021368233
	2021374725	2021361100			
<b><u>F16B 37 /-</u></b>	<b><u>F16L 5 /-</u></b>	<b><u>F24H 4 /-</u></b>	<b><u>F28D 9 /-</u></b>	<b><u>G01N 15 /-</u></b>	<b><u>G01R 31 /-</u></b>
2021366258	2021404141	2021381398	2021358391	2021364598	2021352848
2021374901					2021362826
<b><u>F16D 1 /-</u></b>	<b><u>F16L 55 /-</u></b>	<b><u>F24H 9 /-</u></b>	<b><u>F28F 3 /-</u></b>	<b><u>G01N 21 /-</u></b>	<b><u>G01R 33 /-</u></b>
2021378478	2021376455	2021352876	2021358391	2021365610	2021370630
				2021366690	
<b><u>F16D 3 /-</u></b>	<b><u>F17C 1 /-</u></b>	<b><u>F24S 20 /-</u></b>	<b><u>F28G 1 /-</u></b>	2021372456	<b><u>G01R 35 /-</u></b>
2021351916	2021368733	2021344448	2021364407	2021372900	2021370630
				2021382589	
<b><u>F16D 65 /-</u></b>	<b><u>F17C 13 /-</u></b>	<b><u>F24S 23 /-</u></b>	<b><u>F41G 1 /-</u></b>	<b><u>G01N 23 /-</u></b>	<b><u>G01S 13 /-</u></b>
2021380639	2021351105	2021354132	2021364815	2021369354	2021395506
	2021352927				
<b><u>F16G 11 /-</u></b>	2021353391	<b><u>F24S 25 /-</u></b>	<b><u>G01B 17 /-</u></b>	<b><u>G01N 27 /-</u></b>	<b><u>G01S 17 /-</u></b>
2021374901	2021354720	2021386577	2021359790	2021372557	2021358749
				2021382313	2021395506
<b><u>F16G 3 /-</u></b>	<b><u>F21S 8 /-</u></b>	<b><u>F24S 90 /-</u></b>	<b><u>G01C 11 /-</u></b>	2021386164	
2021369675	2021385341	2021344448	2021356194	<b><u>G01N 29 /-</u></b>	<b><u>G01V 3 /-</u></b>
				2021384028	2021368233
<b><u>F16H 25 /-</u></b>	<b><u>F21V 23 /-</u></b>	<b><u>F25B 30 /-</u></b>	<b><u>G01C 21 /-</u></b>	<b><u>G01N 3 /-</u></b>	<b><u>G01W 1 /-</u></b>
2021355824	2021353454	2021381398	2021358709	2021372750	2021368228
<b><u>F16H 55 /-</u></b>	<b><u>F21Y 115 /-</u></b>	<b><u>F25B 39 /-</u></b>	<b><u>G01C 3 /-</u></b>	<b><u>G01N 30 /-</u></b>	<b><u>G02B 23 /-</u></b>
2021355824	2021385341	2021381398	2021395506	2021348168	2021356194
					2021366386
<b><u>F16J 15 /-</u></b>	<b><u>F22B 1 /-</u></b>	<b><u>F25D 11 /-</u></b>	<b><u>G01F 23 /-</u></b>	<b><u>G01N 33 /-</u></b>	2021381704
2021376400	2021366978	2021376591	2021364598		
<b><u>F16K 15 /-</u></b>	<b><u>F23J 11 /-</u></b>	<b><u>F25D 23 /-</u></b>	<b><u>G01G 3 /-</u></b>	2020475845	<b><u>G02B 26 /-</u></b>
2021374039	2021352876	2021376591	2020339220	2021346650	2021381704
				2021350542	
<b><u>F16K 27 /-</u></b>	<b><u>F23J 13 /-</u></b>	<b><u>F26B 15 /-</u></b>	<b><u>G01J 3 /-</u></b>	2021351815	<b><u>G02B 3 /-</u></b>
2021374039	2021352876	2022211575	2021349782	2021353733	2021350172
			2021381704	2021356227	2021366386
<b><u>F16K 5 /-</u></b>	<b><u>F24C 15 /-</u></b>	<b><u>F26B 17 /-</u></b>	<b><u>G01K 1 /-</u></b>	2021357509	
2021374039	2021392797	2021371789	2021367651	2021357872	<b><u>G02B 6 /-</u></b>
	2021393700			2021358002	
<b><u>F16K 7 /-</u></b>	2021402392	<b><u>F26B 21 /-</u></b>	<b><u>G01K 11 /-</u></b>	2021362487	2021368055
2021368767		2021371789	2021379142	2021364598	2021376247
				2021365602	2021404141
<b><u>F16L 1 /-</u></b>	<b><u>F24C 7 /-</u></b>	<b><u>F26B 25 /-</u></b>	<b><u>G01M 13 /-</u></b>	2021365610	2021456934
2022375622	2021398295	2022211575	2021369215	2021368875	
			2021370458	2021372557	<b><u>G02B 7 /-</u></b>
<b><u>F16L 21 /-</u></b>	<b><u>F24F 1 /-</u></b>	<b><u>F26B 3 /-</u></b>	<b><u>G01M 15 /-</u></b>	2021372900	
2021374725	2021380702	2021371789	2021370458	2021377119	2020474479
		2022211575		2021377284	2021381704
<b><u>F16L 25 /-</u></b>	<b><u>F24F 11 /-</u></b>	<b><u>F26B 9 /-</u></b>	<b><u>G01M 17 /-</u></b>	2021378842	
2021374725	2021356527	2021371789	2021369215	2021381982	<b><u>G03B 13 /-</u></b>
	2021361100	2022211575		2021382589	
<b><u>F16L 27 /-</u></b>	2021370412	<b><u>F27B 15 /-</u></b>	<b><u>G01M 7 /-</u></b>	2021382807	2021417551
2021371115	2021427809	2021371789	2021370458	2021384028	<b><u>G03B 17 /-</u></b>
				2021385548	
<b><u>F16L 3 /-</u></b>	<b><u>F24F 130 /-</u></b>	<b><u>F27D 7 /-</u></b>	<b><u>G01N 7 /-</u></b>	2021388789	<b><u>G03B 3 /-</u></b>
2021404141	2021380702	2022210635	2021369215	2021390474	2021417551
				2021415909	
				<b><u>G01R 22 /-</u></b>	<b><u>G03G 15 /-</u></b>
				2021368233	2021417551
					2020474861



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<b><u>G05B 11 /-</u></b>	<b><u>G06F 16 /-</u></b>	2021358749 2021369215 2021370630	<b><u>G06V 10 /-</u></b>	2021370653	<b><u>H01F 41 /-</u></b>
2021381017	2021350378 2021363795 2021367858		2021360753 2021396303	<b><u>G16H 15 /-</u></b>	2021368436
<b><u>G05B 13 /-</u></b>	2021372452 2021381766	<b><u>G06N 99 /-</u></b>		2021376056	<b><u>H01F 6 /-</u></b>
2021381017		2021358099	<b><u>G06V 20 /-</u></b>	<b><u>G16H 20 /-</u></b>	2021381889
<b><u>G05B 19 /-</u></b>	<b><u>G06F 17 /-</u></b>	<b><u>G06Q 10 /-</u></b>	2021357178	2021364914 2021370653 2021376348 2021376642	<b><u>H01G 9 /-</u></b>
2021381017	2021368783 2021370656	2020472120 2021349217 2021350378 2021351490 2021351523 2021354058 2021362826 2021398295 2021427678	<b><u>G06V 30 /-</u></b>		2021364759
<b><u>G05B 23 /-</u></b>	<b><u>G06F 21 /-</u></b>	<b><u>G06Q 20 /-</u></b>	2021396303	<b><u>G16H 30 /-</u></b>	<b><u>H01L 21 /-</u></b>
2021369215	2021350378 2021352405 2021372452 2021373632 2021377420 2021384062		<b><u>G06V 40 /-</u></b>	2021364914	2022247854
<b><u>G05D 1 /-</u></b>			2021358749 2021360753	<b><u>G16H 40 /-</u></b>	<b><u>H01L 23 /-</u></b>
2020477273 2021346650 2021346784 2021350542 2021355468 2021358709 2021364416 2021368574 2021370467	<b><u>G06F 3 /-</u></b>	<b><u>G06Q 30 /-</u></b>	<b><u>G07C 1 /-</u></b>	2021364914 2021370653 2021371442 2021376056	2020474479
	2020473277 2021352445 2021356531 2021378273 2021378822		2021348500		<b><u>H01L 31 /-</u></b>
<b><u>G05D 21 /-</u></b>			<b><u>G07C 5 /-</u></b>	<b><u>G16H 50 /-</u></b>	2021366687 2021369656 2022247854
2021364808	<b><u>G06F 30 /-</u></b>	<b><u>G06Q 40 /-</u></b>	2021363804 2021369215		<b><u>H01L 33 /-</u></b>
<b><u>G05F 1 /-</u></b>	2021370631 2021374637 2021378822 2022343574		<b><u>G07F 11 /-</u></b>	2021351233 2021355999 2021362814 2021364914 2021370653 2021371434 2021376056	2021350172
2021385341		<b><u>G06Q 30 /-</u></b>	2021376307		<b><u>H01M 10 /-</u></b>
<b><u>G05G 9 /-</u></b>	<b><u>G06F 40 /-</u></b>		<b><u>G07F 17 /-</u></b>	<b><u>G16H 70 /-</u></b>	2021353160 2021354234 2021355079 2021357682 2021359172 2021372362 2021379667 2021412505 2022210989
2021369317 2021370868	2021347371 2021350115 2021351523 2021354058	<b><u>G06Q 40 /-</u></b>	2021376307	2021364914	
<b><u>G06E 1 /-</u></b>		<b><u>G06Q 50 /-</u></b>	<b><u>G07F 7 /-</u></b>	<b><u>G16Y 10 /-</u></b>	<b><u>H01M 12 /-</u></b>
2021357811	<b><u>G06F 9 /-</u></b>		2021381503	2021374236	2021379667
<b><u>G06F 1 /-</u></b>	2021369686 2021381882		<b><u>G08B 21 /-</u></b>		<b><u>H01M 4 /-</u></b>
2021370631		<b><u>G06Q 50 /-</u></b>	2021349343	<b><u>G21F 5 /-</u></b>	2021353160 2021355079 2021357682 2021379667 2021412505 2022210989
<b><u>G06F 11 /-</u></b>	<b><u>G06G 7 /-</u></b>		<b><u>G08G 1 /-</u></b>	2021369354	
2021370631	2020473256		2021360492 2021363804	<b><u>G21G 4 /-</u></b>	<b><u>H01M 12 /-</u></b>
<b><u>G06F 111 /-</u></b>	<b><u>G06K 19 /-</u></b>	<b><u>G06T 13 /-</u></b>	<b><u>G09B 3 /-</u></b>	2021369354	2021353160 2021355079 2021357682 2021379667 2021412505 2022210989
2021374637	2021355999 2021371164		2021354058	<b><u>H01B 12 /-</u></b>	
<b><u>G06F 113 /-</u></b>	<b><u>G06N 10 /-</u></b>	<b><u>G06T 15 /-</u></b>	<b><u>G09F 3 /-</u></b>	2021381750 2021381889 2021383680	<b><u>H01M 50 /-</u></b>
2021370631	2020477304 2021358749 2021379051	2021352445	2021367651	<b><u>H01F 1 /-</u></b>	2021355079 2021357682 2021370773 2021383416
<b><u>G06F 117 /-</u></b>		<b><u>G06T 15 /-</u></b>	<b><u>G10L 21 /-</u></b>		<b><u>H01M 8 /-</u></b>
2021370631	<b><u>G06N 20 /-</u></b>		2021355306	2021369232 2021370592 2021370597 2021371519 2021372103	2021373082
<b><u>G06F 119 /-</u></b>	2021358099 2021368116 2021383307	<b><u>G06T 7 /-</u></b>	<b><u>G10L 25 /-</u></b>	<b><u>H01F 27 /-</u></b>	<b><u>H01Q 1 /-</u></b>
2021370631 2021374637		2021370630	2021384028	2021368436 2021369232 2021370592 2021370597 2021371519 2021372103	2021360929 2021360938 2021392359
<b><u>G06F 12 /-</u></b>	<b><u>G06N 3 /-</u></b>	<b><u>G06T 19 /-</u></b>	<b><u>G16B 25 /-</u></b>		<b><u>H01Q 15 /-</u></b>
2021363795	2021352445 2021358099	2021352445	2021368875	<b><u>H01F 27 /-</u></b>	
		<b><u>G06T 13 /-</u></b>	<b><u>G16B 50 /-</u></b>		
		2021352445	2021357118 2021357587		
		<b><u>G06T 15 /-</u></b>	<b><u>G16H 10 /-</u></b>		
		2021370630	2021364293		

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2021360938	2021362826	<b><u>H04B 7 /-</u></b>	<b><u>H04N 21 /-</u></b>	<b><u>H04W 72 /-</u></b>
<b><u>H01Q 21 /-</u></b>	<b><u>H02J 50 /-</u></b>	2021369174	2020471750	2020470311
2021360929	2021373705	<b><u>H04L 1 /-</u></b>	2021352405	2020473676
2021360938			2021357944	2021356262
<b><u>H01R 11 /-</u></b>	<b><u>H02J 7 /-</u></b>	2021393140	<b><u>H04N 23 /-</u></b>	2021368285
2021383416	2021372362	<b><u>H04L 12 /-</u></b>	2021366386	2021369174
	2021378276		2021417551	2021372786
	2021380440	2020471750		2021393140
<b><u>H01R 12 /-</u></b>	<b><u>H02K 1 /-</u></b>	<b><u>H04L 41 /-</u></b>	<b><u>H04N 25 /-</u></b>	<b><u>H04W 74 /-</u></b>
2020474479	2021372486	2021377420	2021366386	2020473677
2021392836		2021395167		2021356262
2021402392	<b><u>H02K 11 /-</u></b>	<b><u>H04L 43 /-</u></b>	<b><u>H04N 3 /-</u></b>	<b><u>H04W 76 /-</u></b>
<b><u>H01R 13 /-</u></b>	2021373698	2021395167	2021366386	2020471935
2021383416	<b><u>H02K 5 /-</u></b>	<b><u>H04L 47 /-</u></b>	<b><u>H04N 7 /-</u></b>	2021356262
2021402392	2021372486	2021381882	2020471750	2021393140
<b><u>H01R 24 /-</u></b>	<b><u>H02K 9 /-</u></b>	<b><u>H04L 5 /-</u></b>	2021360753	<b><u>H04W 8 /-</u></b>
2020474479	2021372486	2021366173	2021364235	2021377420
<b><u>H01R 39 /-</u></b>	<b><u>H02M 1 /-</u></b>	2021393140	<b><u>H04R 1 /-</u></b>	2021395167
2021374593	2021347205	<b><u>H04L 65 /-</u></b>	2021355306	<b><u>H04W 84 /-</u></b>
<b><u>H01R 4 /-</u></b>	2021354578	2021381882	<b><u>H04R 25 /-</u></b>	2022280908
2021368233	<b><u>H02M 7 /-</u></b>	<b><u>H04L 67 /-</u></b>	2021374559	<b><u>H05B 1 /-</u></b>
2021383416	2021347205	2021367858	<b><u>H04R 29 /-</u></b>	2021404285
<b><u>H01R 43 /-</u></b>	2021354578	2021374940	2021355306	<b><u>H05B 45 /-</u></b>
2021374593	2021373698	2021381882	<b><u>H04R 3 /-</u></b>	2021351052
<b><u>H02G 1 /-</u></b>	<b><u>H02P 23 /-</u></b>	2021428431	2021355306	2021385341
2021404141	2021373484	<b><u>H04L 9 /-</u></b>	<b><u>H04W 12 /-</u></b>	<b><u>H05B 47 /-</u></b>
	2021381017	2021350378	2021368120	2020483297
<b><u>H02G 15 /-</u></b>	<b><u>H02P 27 /-</u></b>	2021360580	2021370467	<b><u>H05B 6 /-</u></b>
2021381750	2021373484	2021367858	2021371434	2021376400
<b><u>H02G 9 /-</u></b>	2021381017	2021368120	<b><u>H04W 16 /-</u></b>	2021392836
2021404141	<b><u>H02S 20 /-</u></b>	2021371434	2020473677	2021394521
2022375622	2021369656	2021384062	<b><u>H04W 24 /-</u></b>	2021398295
<b><u>H02H 1 /-</u></b>	2021371115	2021428431	2020472959	2021402392
2021347205	<b><u>H02S 30 /-</u></b>	2021367858	2020473677	2021403477
<b><u>H02H 5 /-</u></b>	2021381361	<b><u>H04M 3 /-</u></b>	<b><u>H04W 28 /-</u></b>	2021404285
2021372362	<b><u>H02S 40 /-</u></b>	2021369174	2021356262	<b><u>H05G 1 /-</u></b>
	2021347205	2021374940	2021372786	2021392614
<b><u>H02H 7 /-</u></b>	2021362826	2021383084	<b><u>H04W 28 /-</u></b>	<b><u>H05K 13 /-</u></b>
2021372362	2021371115	<b><u>H04M 7 /-</u></b>	<b><u>H04W 4 /-</u></b>	2020474479
	2021380440	2021367858	2020471750	<b><u>H05K 3 /-</u></b>
<b><u>H02J 1 /-</u></b>	<b><u>H02S 50 /-</u></b>	<b><u>H04N 1 /-</u></b>	2021348500	2021392836
2021362826	2021365815	2020474861	2021349217	
<b><u>H02J 13 /-</u></b>	2021380440	<b><u>H04N 19 /-</u></b>	2021370467	
2021362826	<b><u>H04B 10 /-</u></b>	2021381550	2021371434	
<b><u>H02J 3 /-</u></b>	2021369641		<b><u>H04W 52 /-</u></b>	
2021347205	2021456934		2020470311	
2021354578			2022280908	

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**A61K 31/167** ( 2006.01 )  
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**B01D 11/00** ( 2006.01 )  
**C02F 1/68** ( 2006.01 )  
**G21C 19/46** ( 2006.01 )  
**C02F 1/10** ( 2006.01 )  
**C02F 1/38** ( 2006.01 )  
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**H01M 4/04** ( 2006.01 )  
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**C11D 1/90** ( 2006.01 )  
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**C11D 3/04** ( 2006.01 )  
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**A47G 9/02** ( 2006.01 )  
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**A61M 16/00** ( 2006.01 )  
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**A61B 1/32** ( 2006.01 )  
**A61B 17/02** ( 2006.01 )  
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**H01L 31/05** ( 2014.01 )  
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**E21B 47/09** ( 2012.01 )  
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 (54) Sensor performance evaluation system and method, and automatic driving system  
 (51) Int. Cl.  
**B61L 25/04** ( 2006.01 )  
**B60L 3/00** ( 2019.01 )  
**B60L 3/08** ( 2006.01 )  
**G01S 7/40** ( 2006.01 )  
**G01S 13/08** ( 2006.01 )  
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 (54) APPARATUS AND METHODS FOR AT  
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 IMMERSION  
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**A23L 3/36** ( 2006.01 )  
**A47J 36/08** ( 2006.01 )  
**B65D 81/18** ( 2006.01 )  
**F25D 3/08** ( 2006.01 )  
**F25D 3/11** ( 2006.01 )  
**F25D 17/06** ( 2006.01 )  
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**H04N 19/174** ( 2014.01 )  
**G06T 3/40** ( 2006.01 )  
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**C23C 14/10** ( 2006.01 )  
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 AGAINST HEAD AND NECK SQUAM-  
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**A61Q 5/06** ( 2006.01 )  
**D06P 1/649** ( 2006.01 )  
**D06P 3/14** ( 2006.01 )  
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**(11)** AU-B-2022202466  
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**(54)** Electroporation device having a battery  
 pack with power switch  
**(51)** Int. Cl.  
**A61N 1/30** ( 2006.01 )  
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**A61N 1/02** ( 2006.01 )  
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 l'environnement see université Paris Cité**  
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 search Business Development Foundation**  
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**(11)** AU-B-2020350261  
**(21)** 2020350261 **(22)** 17.08.2020  
**(54)** Wear-resistant steel plate and method  
 for producing same  
**(51)** Int. Cl.  
**C21D 8/02** ( 2006.01 )  
**C22C 38/00** ( 2006.01 )  
**C22C 38/60** ( 2006.01 )  
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 MURAKAMI, Yoshiaki  
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 JINKO SOLAR CO., LTD.**  
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**(54)** Aseptic aerosol misting device  
**(51)** Int. Cl.  
**A61M 11/00** ( 2006.01 )  
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 Inc.  
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 the eye  
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 Inc.  
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**(54)** Compositions and methods for treating  
 the eye  
**(51)** Int. Cl.  
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**A61P 27/00** ( 2006.01 )  
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**(71)** KABUSHIKI KAISHA TOSHIBA  
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**(21)** 2022201795 **(22)** 15.03.2022  
**(54)** Dynamic Image Decoding Device  
**(51)** Int. Cl.  
**H04N 19/46** ( 2014.01 )  
**(43)** 07.04.2022  
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 TANIZAWA, Akiyuki; YASUDA, Goki;  
 WADA, Naofumi; WATANABE, Takashi  
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**(54)** Control of the horizontal position of a  
 seismic cable  
**(51)** Int. Cl.  
**G01V 1/38** ( 2006.01 )  
**B63B 21/66** ( 2006.01 )  
**B66D 1/52** ( 2006.01 )  
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 elastics  
**(51)** Int. Cl.  
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**C12N 5/071** ( 2010.01 )  
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**(72)** Clevers, Johannes Carolus; Gehart,  
 Helmuth  
**(74)** FPA Patent Attorneys Pty Ltd

**(71)** KT Corporation  
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**(54)** Method and device for video signal pro-  
 cessing  
**(51)** Int. Cl.  
**H04N 19/583** ( 2014.01 )  
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(54) Method and device for processing video signal  
(51) Int. Cl.

*H04N 19/593* ( 2014.01 )  
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(54) Video signal processing method and device

(51) Int. Cl.  
*H04N 19/593* ( 2014.01 )  
*H04N 19/122* ( 2014.01 )  
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(54) Video signal processing method and device

(51) Int. Cl.  
*H04N 19/503* ( 2014.01 )  
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*A61K 9/22* ( 2006.01 )  
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(74) FPA Patent Attorneys Pty Ltd

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(71) Longi Solar Technology (Taizhou) Co., Ltd.  
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(21) 2020340008 (22) 04.02.2020  
(54) Method for producing back-contact solar cell assembly and back-contact solar cell assembly

(51) Int. Cl.  
*H01L 31/18* ( 2006.01 )  
*H01L 31/02* ( 2006.01 )  
*H01L 31/0224* ( 2006.01 )  
*H01L 31/048* ( 2014.01 )  
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(51) Int. Cl.

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(71) LuDela Technologies LLC  
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*F21V 35/00* ( 2006.01 )  
*F21S 13/00* ( 2006.01 )  
*F21W 131/30* ( 2006.01 )

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(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

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(54) Method of fabrication of compound light-guide optical elements  
(51) Int. Cl.  
*F21V 8/00* ( 2006.01 )  
*G02B 27/00* ( 2006.01 )  
*G02B 27/01* ( 2006.01 )

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(74) Wallington-Dummer

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(51) Int. Cl.  
*C03B 27/044* ( 2006.01 )

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(54) Pharmaceutical oral formulation comprising bacteria  
(51) Int. Cl.

*A61K 9/48* ( 2006.01 )  
*A23L 33/135* ( 2016.01 )  
*A61K 9/19* ( 2006.01 )  
*A61K 35/745* ( 2015.01 )  
*A61P 1/04* ( 2006.01 )  
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 (54) Bone reconstruction and orthopedic implants  
 (51) Int. Cl.  
**A61F 2/30** ( 2006.01 )

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 (74) FPA Patent Attorneys Pty Ltd

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 (54) Method for producing aggregates from returned concrete  
 (51) Int. Cl.  
**B03B 9/06** ( 2006.01 )

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**C07D 403/12** ( 2006.01 )  
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 properties, method of preparation there-  
 of, and member having photocata-  
 lyst/alloy thin film on surface  
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**G06F 21/32** ( 2013.01 )  
**H04W 12/06** ( 2021.01 )  
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**H04W 24/08** ( 2009.01 )  
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     **G01G 19/414** ( 2006.01 )  
     **A47F 9/00** ( 2006.01 )  
     **A47F 9/04** ( 2006.01 )  
     **G01G 19/40** ( 2006.01 )  
     **G07G 1/00** ( 2006.01 )  
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- (71) ZHEJIANG JINKO SOLAR CO., LTD.;  
JINKO SOLAR CO., LTD.
- (11) AU-B-2022246376  
(21) 2022246376 (22) 04.10.2022
- (54) SOLAR CELL, METHOD FOR MAN-  
UFACTURING SOLAR CELL, AND  
PHOTOVOLTAIC MODULE
- (51) Int. Cl.  
*H01L 31/042* ( 2014.01 )  
*H01L 31/0224* ( 2006.01 )  
*H01L 31/0248* ( 2006.01 )
- (31) CN (32) 05.08.22 (33) CN  
202210938933.X
- (43) 08.06.2023  
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- (72) JIN, Jingsheng; ZHANG, Bike; ZHANG,  
Xinyu
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<b>2016319133</b>	Nascent Biotech, Inc.; Glassy, M.; Gupta, R.	<b>2018243389</b>	C.R. Bard, Inc.
<b>2016321349</b>	Psomagen, Inc.	<b>2018245016</b>	Cellutech AB
<b>2016363374</b>	Pfizer Inc.	<b>2018249496</b>	Howmedica Osteonics Corp.
<b>2016374580</b>	université Paris Cité; Institut national de recherche pour l'agriculture, l'alimentation et l'environnement; Assistance Publique - Hopitaux de Paris	<b>2018250273</b>	BiVACOR Inc.
<b>2016378989</b>	Mogrify Limited	<b>2018250310</b>	Temper Axle Products Corporation
<b>2016429338</b>	Scott Automation & Robotics Pty Ltd	<b>2018254065</b>	Tokuyama Dental Corporation
<b>2017203268</b>	Simpson Strong-Tie Company Inc.	<b>2018254196</b>	TTI (Macao Commercial Offshore) Limited
<b>2017220789</b>	Benson Hill, Inc.	<b>2018256433</b>	Philip Morris Products S.A.
<b>2017228002</b>	Koninklijke Nederlandse Akademie Van Wetenschappen	<b>2018257958</b>	Fresenius Medical Care Holdings, Inc.
<b>2017235661</b>	Caris Science, Inc.	<b>2018265326</b>	Sandvik Intellectual Property AB
<b>2017264650</b>	BASF Plant Science Company GmbH	<b>2018267000</b>	Total Marketing Services
<b>2017266411</b>	BASF Agro B.V.	<b>2018267623</b>	SAMSUNG ELECTRONICS CO., LTD.
<b>2017273629</b>	The University of Virginia Patent Foundation; Kipnis, J.; Louveau, A.; Da Mesquita, S.	<b>2018268145</b>	Mexichem Fluor S.A. de C.V.
<b>2017287705</b>	Polyweld Pty Ltd	<b>2018273349</b>	GCP Applied Technologies, Inc.
<b>2017295804</b>	R.J. Reynolds Tobacco Company	<b>2018280764</b>	Mapei S.p.A.
<b>2017297718</b>	Contera Pharma A/S	<b>2018284106</b>	CareFusion 303, Inc.
<b>2017302668</b>	Novartis AG; The Trustees of the University of Pennsylvania	<b>2018285588</b>	PGS Geophysical AS
<b>2017306931</b>	Kietta	<b>2018287250</b>	Yara International ASA
<b>2017326712</b>	LEVEL HOME, INC.	<b>2018288873</b>	Pacesetter, Inc.
<b>2017333662</b>	Woodstream Corporation	<b>2018291771</b>	Therio, LLC
<b>2017334287</b>	Innospec Limited	<b>2018299021</b>	QubicaAMF Europe S.p.A.
<b>2017336587</b>	C-Ling Limited	<b>2018300240</b>	President and Fellows of Harvard College; Massachusetts Institute of Technology; California Institute of Technology
<b>2017336765</b>	Medicon Pharmaceuticals, Inc.	<b>2018303848</b>	Noetic Technologies Inc.
<b>2017341405</b>	University College Dublin, National University of Ireland, Dublin	<b>2018310678</b>	Petroliaam Nasional Berhad (Petronas)
<b>2017341413</b>	Crossject	<b>2018315462</b>	Wagner Group GmbH
<b>2017341934</b>	StimAire, Inc.	<b>2018316642</b>	Satian Industries Co., Ltd.
<b>2017344061</b>	Illumina, Inc.; Illumina, Singapore Pte. Ltd.	<b>2018325974</b>	KT Corporation
<b>2017357123</b>	Otolith Sound, Inc.	<b>2018327924</b>	KT Corporation
<b>2017361260</b>	Giner Life Sciences, Inc.	<b>2018334489</b>	Georgia-Pacific Gypsum LLC
<b>2017361379</b>	The Regents of The University of California	<b>2018334926</b>	KT Corporation
<b>2017363837</b>	Pultrall Inc.	<b>2018335606</b>	Menarini Silicon Biosystems S.p.A.
<b>2017363889</b>	Hologic, Inc.	<b>2018337741</b>	MiTek Corp., Inc.
<b>2017368139</b>	Stemco Products, Inc.	<b>2018338178</b>	Regeneron Pharmaceuticals, Inc.
<b>2017375453</b>	Water Pik, Inc.	<b>2018342909</b>	TargImmune Therapeutics AG
<b>2017378040</b>	Sorrento Therapeutics, Inc.	<b>2018348778</b>	OncoRes Medical Pty Ltd
<b>2017378609</b>	Sumitomo Electric Industries, Ltd.	<b>2018351405</b>	KT Corporation
<b>2017381492</b>	Xylem Europe GmbH	<b>2018367230</b>	MaaT Pharma; Biocodex
<b>2017399526</b>	Samsung Electronics Co., Ltd.	<b>2018367360</b>	Taylor-Listug, Inc. D/B/A Taylor Guitars
<b>2017401506</b>	Kimberly-Clark Worldwide, Inc.	<b>2018395222</b>	St. Jude Children's Research Hospital, Inc.; CoA Therapeutics, Inc.
<b>2017418804</b>	UHA Mikakuto Co., Ltd.	<b>2018408501</b>	Halliburton Energy Services, Inc.
<b>2017424318</b>	GERMITEC	<b>2019218147</b>	Sunshine Lake Pharma Co., Ltd.
<b>2017433745</b>	Raytheon Canada Limited	<b>2019225392</b>	Wyeth Media Services Pty Ltd
<b>2017433998</b>	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	<b>2019237228</b>	Laboratoires Major
<b>2017441045</b>	Halliburton Energy Services, Inc.	<b>2019237674</b>	Morinaga Milk Industry Co., Ltd.
<b>2017441051</b>	Halliburton Energy Services, Inc.	<b>2019240389</b>	LuDela Technologies LLC
<b>2017444627</b>	Halliburton Energy Services, Inc.	<b>2019243255</b>	Abion Inc.
<b>2018202689</b>	ALSTOM Transport Technologies	<b>2019260756</b>	The Trustees of Dartmouth College; University Health Network
<b>2018202735</b>	PCP Tactical, LLC	<b>2019275606</b>	Erciftci, I.
<b>2018203814</b>	Northrop Grumman Systems Corporation	<b>2019277145</b>	Sunfolding, Inc.
<b>2018205292</b>	PhotoniCare, Inc.	<b>2019285048</b>	The Scripps Research Institute
<b>2018215533</b>	University of Virginia Patent Foundation	<b>2019286659</b>	Dusmit Ltd
<b>2018217094</b>	TARIS Biomedical LLC	<b>2019288652</b>	Avava, Inc.
<b>2018218250</b>	Air Liquide Advanced Technologies U.S., LLC; Georgia Tech Research Corporation	<b>2019293146</b>	Arville Textiles Limited
<b>2018222469</b>	DSM IP Assets B.V.	<b>2019293670</b>	Beijing Bytedance Network Technology Co., Ltd.; ByteDance Inc.
<b>2018222832</b>	Zepelin, S.	<b>2019294236</b>	Chevron Phillips Chemical Company LP
<b>2018226616</b>	Baveas, D.	<b>2019295856</b>	Alarm.com Incorporated
<b>2018233572</b>	Dzesa, M.	<b>2019308822</b>	Johnson & Johnson Surgical Vision, Inc.
<b>2018235088</b>	Biocorp Production	<b>2019311849</b>	Johnson & Johnson Surgical Vision, Inc.
<b>2018236207</b>	I.C. Medical, Inc.	<b>2019336337</b>	Nanomedx, Inc.
<b>2018236774</b>	Shin-Etsu Chemical Co., Ltd.	<b>2019349563</b>	Amarin Pharmaceuticals Ireland Limited
		<b>2019399286</b>	MD Healthcare Inc.
		<b>2019404026</b>	Corcept Therapeutics Incorporated
		<b>2019414460</b>	Huawei Technologies Co., Ltd.

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2019420941	Nippon Telegraph and Telephone Corporation	2021202280	Bedgear LLC
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2019456283	ImmunityBio, Inc.	2021203006	Disruption Labs Inc.
2019458656	Nippon Telegraph and Telephone Corporation	2021203026	CAPSA SOLUTIONS LLC
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2020204105	Ampsource Biopharma Shanghai Inc.	2021203190	Spokane Industries
2020214946	Beijing Bytedance Network Technology Co., Ltd.; Byte-Dance Inc.	2021203230	Home Tech Innovation, Inc
2020216046	Treviño Quintanilla, S.A.; Rodarte Herrera, G.G.	2021203265	Estetra SRL
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2020235416	Nicoventures Trading Limited	2021218177	Sungrow Power Supply Co., Ltd.
2020244615	10X Genomics, Inc.	2021218179	Johnson & Johnson Consumer Inc.
2020248511	Fujitsu General Limited	2021218589	The NOCO Company
2020248837	Beijing Bytedance Network Technology Co., Ltd.; Byte-Dance Inc.	2021221848	Fortescue Metals Group Ltd
2020256029	Rosemount Inc	2021221893	Tate & Lyle Solutions USA LLC
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2020260070	Hensley Industries, Inc.	2021225145	FISHER & PAYKEL HEALTHCARE LIMITED
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2020278660	Teledyne FLIR Commercial Systems, Inc.	2021236472	ADIONICS
2020278853	Sogang University Research Business Development Foundation; i-SENS, Inc.	2021254580	I-Mei Foods Co., Ltd.; Kao, C.
2020281132	Peptron, Inc.	2021266343	Fabrictech 2000, LLC, dba Purecare
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2020292572	FLSmith A/S	2021277715	Dolby International AB
2020294235	Genomatica, Inc.	2021279462	Lumus Ltd.
2020294287	Memorial Sloan-Kettering Cancer Center	2021282532	Immatics Biotechnologies GmbH
2020298313	Boston Scientific Neuromodulation Corporation	2021286436	Golden Solar (Quanzhou) New Energy Technology Co., Ltd.
2020298768	Phos Services Ltd	2021290235	Eisai R&D Management Co., Ltd.
2020299381	Boston Scientific Neuromodulation Corporation	2021294405	Charco Neurotech Ltd
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2020314624	Ecolab USA Inc.	2022200102	Alarm.Com Incorporated
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2020320590	Luoyang Landglass Technology Co., Ltd	2022200371	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.
2020321594	Thermo Fisher Scientific (Bremen) GmbH	2022200827	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)
2020327775	Sato Pharmaceutical Co., Ltd.	2022201490	Huawei Technologies Co., Ltd.
2020329293	Shell Internationale Research Maatschappij B.V.	2022201795	KABUSHIKI KAISHA TOSHIBA
2020333583	Gree Electric Appliances, Inc. of Zhuhai	2022202047	Visa International Service Association
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2020340008	Longi Solar Technology (Taizhou) Co., Ltd.	2022202466	Inovio Pharmaceuticals, Inc.
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2020351052	Carbfix	2022202731	Apple Inc.
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2020380978	Daikin Industries, Ltd.	2022246376	ZHEJIANG JINKO SOLAR CO., LTD.; JINKO SOLAR CO., LTD.
2020389135	Milwaukee Electric Tool Corporation	2022256088	FTC Solar, Inc.
2020397205	Aesculap AG	2022367006	COSMOAESTHETICS PTY LTD
2020419591	Maruho Medical, Inc.	2023200471	The NOCO Company
2020423806	Nippon Telegraph and Telephone Corporation	2023201255	QinetiQ Limited
2020425196	Nippon Telegraph and Telephone Corporation	2023202189	Match Group, LLC
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2020442693	Qingdao University of Technology		
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2017264650	2021221893	2020310129	2021203026	2016374580	<b><u>A61M 37 /-</u></b>
		2021225145		2017273629	
<b>A01K 97 /-</b>	<b><u>A23L 3 /-</u></b>	<b><u>A61B 17 /-</u></b>	<b><u>A61H 1 /-</u></b>	2018291771	2017378040
2018233572	2021203230	2017341405	2017357123	2018342909	<b><u>A61M 5 /-</u></b>
	2021221893	2020310129		2019243255	
<b>A01M 1 /-</b>	<b><u>A23L 33 /-</u></b>	2020419591	<b><u>A61H 23 /-</u></b>	2019285048	2017341413
2017333662	2018367230	2021225145	2017357123	2019349563	2017361260
	2019237674		2021294405	2019404026	2017378040
<b>A01M 23 /-</b>	<b><u>A23L 5 /-</u></b>	<b><u>A61B 18 /-</u></b>	<b><u>A61J 7 /-</u></b>	2020327775	2018215533
2017333662	2018367230	2018236207	2021203026	2021203006	2018235088
	2019237674	2021205132		<b><u>A61K 51 /-</u></b>	2018284106
<b>A01M 31 /-</b>	2021221893	<b><u>A61B 42 /-</u></b>	<b><u>A61K 31 /-</u></b>	2017273629	2022367006
2017333662	<b><u>A24B 15 /-</u></b>	2018243389	2017297718	<b><u>A61K 6 /-</u></b>	<b><u>A61M 60 /-</u></b>
	2020235416	<b><u>A61B 46 /-</u></b>	2017336765	2018254065	2018250273
<b>A01N 33 /-</b>	2020235416	2018243389	2018395222	<b><u>A61K 8 /-</u></b>	<b><u>A61N 1 /-</u></b>
2022203539	<b><u>A24F 15 /-</u></b>	<b><u>A61B 5 /-</u></b>	2019237228	2017334287	2017341934
	2017295804	2017357123	2019237674	2019399286	2018288873
<b>A01N 37 /-</b>	<b><u>A24F 40 /-</u></b>	2018215533	2019404026	2021205132	2020256223
2022203539	2020235048	2020256223	2020327775	<b><u>A61K 9 /-</u></b>	2020298313
	2020235416	2020278853	2021202728	2016374580	2020299381
<b>A01N 43 /-</b>	2020269970	2020298313	2021203006	2017297718	2022202466
2022203539	<b><u>A24F 47 /-</u></b>	2020371142	2021203085	2017378040	<b><u>A61N 5 /-</u></b>
	2018256433	2021215477	2021203265	2018217094	2019288652
<b>A01P 21 /-</b>	<b><u>A45D 40 /-</u></b>	2021294405	2021254580	2018291771	<b><u>A61P 1 /-</u></b>
2022203539	2018256433	<b><u>A61B 50 /-</u></b>	2021290235	2018367230	2016374580
		2018243389	2022202628	2019237228	2018367230
<b>A22B 5 /-</b>	<b><u>A47B 88 /-</u></b>	2020397205	<b><u>A61K 35 /-</u></b>	2019404026	2019399286
2016429338	2021371339	<b><u>A61B 6 /-</u></b>	2016374580	2021203006	<b><u>A61P 13 /-</u></b>
		2017363889	2017302668	2021203265	2019399286
<b>A22B 7 /-</b>	<b><u>A47D 11 /-</u></b>	<b><u>A61B 90 /-</u></b>	2018367230	<b><u>A61L 2 /-</u></b>	<b><u>A61P 15 /-</u></b>
2016429338	2021203026	2017341405	2019237674	2017424318	2019237228
		2021225145	2019399286	<b><u>A61L 27 /-</u></b>	
<b>A22C 17 /-</b>	<b><u>A47F 9 /-</u></b>	2017357123	<b><u>A61K 36 /-</u></b>	2020283056	<b><u>A61P 17 /-</u></b>
2016429338	2018226616	2017375453	2019308822	<b><u>A61L 9 /-</u></b>	2019399286
		<b><u>A61C 17 /-</u></b>	2019311849	2019286659	<b><u>A61P 25 /-</u></b>
<b>A22C 18 /-</b>	<b><u>A47G 9 /-</u></b>	<b><u>A61F 11 /-</u></b>	2021254580	2019286659	2017273629
2016429338	2021315737	2017357123	<b><u>A61K 38 /-</u></b>	<b><u>A61M 11 /-</u></b>	2017297718
		<b><u>A61F 13 /-</u></b>	2017273629	2020269970	2018395222
<b>A23C 9 /-</b>	<b><u>A47J 36 /-</u></b>	2017401506	2018291771	2021218179	<b><u>A61P 27 /-</u></b>
2019237674	2018226616	<b><u>A61F 2 /-</u></b>	2018338178	<b><u>A61M 13 /-</u></b>	
	2021202280	2018249496	2019237674	2021225145	2017336765
<b>A23G 3 /-</b>	2021266343	2020283056	<b><u>A61K 39 /-</u></b>	<b><u>A61M 15 /-</u></b>	2019308822
2017418804	<b><u>A47J 37 /-</u></b>	2018249496	2016319133	2021218179	2019311849
	2021203230	2020283056	2017273629		<b><u>A61P 29 /-</u></b>
<b>A23J 3 /-</b>			2017302668		
2021203421			2019285048		
			2020204105		
			2020281132		

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2020204105	<b><u>B01D 53 /-</u></b>			2020292572	<b><u>C07D 237 /-</u></b>
<b><u>A61P 3 /-</u></b>	2018218250	<b><u>B25B 27 /-</u></b>	<b><u>B60M 3 /-</u></b>	<b><u>B66D 1 /-</u></b>	2018395222
2019218147	2020351052	2018250310	2018202689	2017306931	<b><u>C07D 401 /-</u></b>
2019399286	<b><u>B01D 61 /-</u></b>	<b><u>B25F 5 /-</u></b>	<b><u>B60P 7 /-</u></b>	<b><u>B66F 19 /-</u></b>	2021202728
<b><u>A61P 31 /-</u></b>	2020233593	2020389135	2017287705	2021226471	<b><u>C07D 403 /-</u></b>
2016374580	<b><u>B01D 69 /-</u></b>	<b><u>B25J 13 /-</u></b>	<b><u>B60R 11 /-</u></b>	<b><u>B82B 3 /-</u></b>	2021202728
2020327775	2018218250	2022200827	2018267623	2019336337	2021203085
<b><u>A61P 35 /-</u></b>	<b><u>B01J 19 /-</u></b>	<b><u>B27K 3 /-</u></b>	<b><u>B60W 10 /-</u></b>	<b><u>B82Y 10 /-</u></b>	<b><u>C07D 471 /-</u></b>
2016363374	2019336337	2018245016	2023201255	2018300240	2021202728
2018342909	<b><u>B01J 2 /-</u></b>	<b><u>B27K 5 /-</u></b>	<b><u>B60W 20 /-</u></b>	<b><u>B82Y 40 /-</u></b>	2021203085
2019399286	2018287250	2018245016	2023201255	2019336337	<b><u>C07D 513 /-</u></b>
<b><u>A61P 37 /-</u></b>	<b><u>B01J 20 /-</u></b>	<b><u>B28C 7 /-</u></b>	<b><u>B61L 25 /-</u></b>	<b><u>B82Y 5 /-</u></b>	2021203085
2019237674	2018287250	2018273349	2020366769	2019285048	<b><u>C07F 9 /-</u></b>
<b><u>A61P 43 /-</u></b>	2018310678	<b><u>B29C 35 /-</u></b>	<b><u>B61L 27 /-</u></b>	<b><u>C01B 25 /-</u></b>	2017336765
2018367230	2020442693	2017363837	2020260780	2022200369	2021290235
2019237674	<b><u>B01J 21 /-</u></b>	<b><u>B29C 41 /-</u></b>	<b><u>B62D 11 /-</u></b>	<b><u>C01C 1 /-</u></b>	<b><u>C07H 1 /-</u></b>
<b><u>A61P 5 /-</u></b>	2018236774	2020229760	2023201255	2018287250	2021221893
2019404026	<b><u>B01L 3 /-</u></b>	<b><u>B29C 70 /-</u></b>	<b><u>B62D 7 /-</u></b>	<b><u>C01G 23 /-</u></b>	<b><u>C07H 21 /-</u></b>
<b><u>A61Q 1 /-</u></b>	2017344061	2017363837	2017368139	2018236774	2021290235
2021205132	2017424318	<b><u>B29C 71 /-</u></b>	<b><u>B63B 21 /-</u></b>	<b><u>C01G 3 /-</u></b>	<b><u>C07H 3 /-</u></b>
<b><u>A61Q 19 /-</u></b>	2018335606	2017363837	2017306931	2018310678	2021221893
2019399286	<b><u>B02C 2 /-</u></b>	<b><u>B32B 5 /-</u></b>	<b><u>B64C 27 /-</u></b>	<b><u>C02F 1 /-</u></b>	<b><u>C07K 14 /-</u></b>
<b><u>A61Q 5 /-</u></b>	2021221848	2018334489	2021202178	2020233593	2017302668
2017334287	<b><u>B02C 23 /-</u></b>	<b><u>B60J 11 /-</u></b>	<b><u>B65D 1 /-</u></b>	2021236472	2017361379
<b><u>A62C 27 /-</u></b>	2021221848	2017287705	2018243389	<b><u>C02F 101 /-</u></b>	2018338178
2019275606	<b><u>B02C 4 /-</u></b>	<b><u>B60J 7 /-</u></b>	<b><u>B65D 5 /-</u></b>	2020442693	2019218147
<b><u>A62C 3 /-</u></b>	2021221848	2017287705	2017295804	<b><u>C02F 103 /-</u></b>	2019243255
2019275606	<b><u>B03B 9 /-</u></b>	<b><u>B60K 17 /-</u></b>	<b><u>B65D 51 /-</u></b>	2021236472	2019285048
<b><u>A62C 31 /-</u></b>	2018280764	2023201255	2021371339	<b><u>C02F 3 /-</u></b>	2020204105
2019275606	<b><u>B05B 1 /-</u></b>	<b><u>B60K 23 /-</u></b>	<b><u>B65D 65 /-</u></b>	2020442693	2020281132
<b><u>A63B 39 /-</u></b>	2018273349	2023201255	2017295804	<b><u>C03B 27 /-</u></b>	<b><u>C07K 16 /-</u></b>
2018316642	<b><u>B05B 3 /-</u></b>	<b><u>B60L 3 /-</u></b>	<b><u>B65D 81 /-</u></b>	2020320590	2016319133
<b><u>A63D 1 /-</u></b>	2018273349	2020366769	2017295804	2021236472	2016363374
2018299021	<b><u>B05B 7 /-</u></b>	<b><u>B60L 5 /-</u></b>	2021203230	<b><u>C02F 3 /-</u></b>	2018338178
<b><u>A63D 5 /-</u></b>	2018273349	<b><u>B60L 9 /-</u></b>	<b><u>B65D 85 /-</u></b>	2020442693	2019243255
2018299021	<b><u>B05D 3 /-</u></b>	2018202689	2017295804	<b><u>C03B 27 /-</u></b>	2020204105
<b><u>A63F 1 /-</u></b>	2022200369	<b><u>B60L 11 /-</u></b>	<b><u>B65G 15 /-</u></b>	2018287250	2020281132
2022202078	<b><u>B08B 9 /-</u></b>	2021236472	2020292572	<b><u>C05C 1 /-</u></b>	<b><u>C07K 19 /-</u></b>
<b><u>B01D 11 /-</u></b>	2021203190	<b><u>B23B 15 /-</u></b>	<b><u>B65G 39 /-</u></b>	2018287250	2019218147
2021236472	2017295804			<b><u>C06B 31 /-</u></b>	2019285048
				2018287250	<b><u>C07K 5 /-</u></b>
				<b><u>C07C 39 /-</u></b>	2018342909
				2021203006	<b><u>C07K 7 /-</u></b>
					2018342909
					<b><u>C08F 2 /-</u></b>
					2019336337

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<b>C08F 220 /-</b>	<b>C11D 3 /-</b>	<b>C23C 14 /-</b>	2017203268	2021226471	2020380978
2020308986	2020314624		<b>E04H 15 /-</b>	<b>F16B 39 /-</b>	<b>F24H 9 /-</b>
<b>C08H 7 /-</b>	<b>C11D 7 /-</b>	2022201490	2018222832	2018250310	2020380978
2018245016	2018268145	<b>D02G 3 /-</b>	<b>E05B 47 /-</b>	<b>F16B 5 /-</b>	<b>F25B 30 /-</b>
<b>C08H 8 /-</b>	<b>C12M 1 /-</b>	2019293146	2017326712	2017203268	2020380978
2018245016	2017424318	<b>D03D 1 /-</b>	<b>E21B 10 /-</b>	<b>F16D 1 /-</b>	<b>F25B 49 /-</b>
<b>C08K 3 /-</b>	<b>C12M 3 /-</b>	2017287705	2021206897	2017381492	2021346997
2018267000	2017344061	<b>D03D 13 /-</b>	<b>E21B 19 /-</b>	<b>F16F 1 /-</b>	<b>F25D 17 /-</b>
<b>C08K 5 /-</b>	<b>C12N 1 /-</b>	2017287705	2018303848	2022202823	2021203230
2018267000	2016374580	<b>D03D 25 /-</b>	<b>E21B 21 /-</b>	<b>F16F 9 /-</b>	<b>F25D 3 /-</b>
2020308986	<b>C12N 13 /-</b>	2017287705	2017441051	2022202823	2021203230
<b>C08L 61 /-</b>	2022202466	<b>D06F 39 /-</b>	<b>E21B 27 /-</b>	<b>F16H 48 /-</b>	<b>F25J 1 /-</b>
2020308986	<b>C12N 15 /-</b>	2017399526	2021206897	2023201255	2020329293
<b>C08L 95 /-</b>	2017220789	<b>D06P 1 /-</b>	<b>E21B 33 /-</b>	<b>F16J 15 /-</b>	<b>F28F 1 /-</b>
2018267000	2017235661	2017334287	2017444627	2017336587	2020248511
<b>C08L 97 /-</b>	2017264650	<b>D06P 3 /-</b>	<b>E21B 41 /-</b>	<b>F16M 13 /-</b>	<b>F28F 19 /-</b>
2018245016	2017266411	2017334287	2020351052	2018337741	2020380978
<b>C09D 1 /-</b>	2017361379	<b>D06P 5 /-</b>	<b>E21B 43 /-</b>	<b>F21S 13 /-</b>	<b>F28G 13 /-</b>
2018236774	2019218147	2017334287	2020351052	2019240389	2020380978
<b>C09D 133 /-</b>	2020244615	<b>E01C 7 /-</b>	<b>E21B 44 /-</b>	<b>F21V 35 /-</b>	<b>F41G 1 /-</b>
2020308986	2020264302	2018267000	2017441051	2019240389	2017433745
<b>C09D 201 /-</b>	2020294287	<b>E02B 17 /-</b>	<b>E21B 47 /-</b>	<b>F21V 8 /-</b>	<b>F42B 5 /-</b>
2020308986	<b>C12N 5 /-</b>	2017336587	2017444627	2021279462	2018202735
<b>C09D 5 /-</b>	2016378989	<b>E02D 17 /-</b>	<b>E21D 21 /-</b>	<b>F21W 131 /-</b>	<b>G01B 11 /-</b>
2018236774	2017228002	2020433233	2018265326	2019240389	2020371142
2020308986	2017302668	<b>E02D 29 /-</b>	<b>F03D 13 /-</b>	<b>F24B 1 /-</b>	<b>G01B 21 /-</b>
<b>C09K 5 /-</b>	2017361379	2021226471	2017336587	2019225392	2020433233
2018268145	2019243255	<b>E02D 33 /-</b>	<b>F03D 80 /-</b>	<b>F24C 1 /-</b>	<b>G01B 5 /-</b>
<b>C09K 8 /-</b>	2019456283	2020433233	2017336587	2019225392	2022200827
2020281132	2020281132	<b>E02F 9 /-</b>	<b>F04B 49 /-</b>	<b>F24C 3 /-</b>	<b>G01D 11 /-</b>
<b>C10L 1 /-</b>	<b>C12N 9 /-</b>	2020260070	2017441045	2019225392	2020256029
2020216046	2017220789	<b>E04B 1 /-</b>	<b>F04D 17 /-</b>	<b>F24F 11 /-</b>	<b>G01G 19 /-</b>
<b>C11D 1 /-</b>	2017361379	2018334489	2020282523	2021346997	2021315737
2020314624	2019243255	2022202823	<b>F04D 25 /-</b>	<b>F24F 3 /-</b>	<b>G01K 7 /-</b>
<b>C11D 11 /-</b>	2019456283	<b>E04B 5 /-</b>	2020282523	2019286659	2018256433
2020314624	2020281132	2017203268	<b>F04D 29 /-</b>	<b>F24H 1 /-</b>	<b>G01L 1 /-</b>
<b>C11D 17 /-</b>	<b>C12P 7 /-</b>	<b>E04C 2 /-</b>	2018334489	2020380978	2018233572
2020314624	2020294235	<b>E04F 15 /-</b>	<b>F16B 13 /-</b>	<b>F24H 4 /-</b>	<b>G01L 5 /-</b>
<b>C11D 17 /-</b>	<b>C12Q 1 /-</b>	2020350261			
2020314624	2016321349	<b>C22B 3 /-</b>			
<b>C11D 17 /-</b>	2017235661	<b>E04F 15 /-</b>			
2020314624	2017273629				
	2019399286				
	2020244615				
	<b>C21D 8 /-</b>				
	2020350261				
	<b>C22B 3 /-</b>				
	2020368620				
	<b>C22C 38 /-</b>				
	2020350261				

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2022200827	<b><u>G02B 27 /-</u></b>	2020298768		<b><u>H02J 3 /-</u></b>	2020214946
<b><u>G01M 3 /-</u></b>	2017433745	2020372489	<b><u>G10K 11 /-</u></b>		2020248837
2018408501	2018205292	<b><u>G06Q 30 /-</u></b>	2022202823	2021218086	2020309130
	2021279462			2021218177	2020309663
<b><u>G01N 15 /-</u></b>	<b><u>G02B 7 /-</u></b>	2019475423	<b><u>G10L 19 /-</u></b>	<b><u>H02J 7 /-</u></b>	2022201795
2018335606	2021215477	<b><u>G06Q 40 /-</u></b>	2022202856	2021218589	<b><u>H04N 7 /-</u></b>
<b><u>G01N 21 /-</u></b>	<b><u>G03B 17 /-</u></b>	2020372489	<b><u>G10L 25 /-</u></b>	2021273521	2022200102
2019260756	2021215477	<b><u>G06Q 50 /-</u></b>	2020234072	2023200471	<b><u>H04R 1 /-</u></b>
2020321594	<b><u>G05B 19 /-</u></b>	2022256088	<b><u>G16H 10 /-</u></b>	<b><u>H02K 15 /-</u></b>	2018337741
<b><u>G01N 29 /-</u></b>	2020229760	<b><u>G06T 3 /-</u></b>	2018257958	2020374439	<b><u>H04W 12 /-</u></b>
2019451533	<b><u>G05D 16 /-</u></b>	2019414460	2021294405	<b><u>H02S 20 /-</u></b>	2022202047
<b><u>G01N 30 /-</u></b>	2017441045	<b><u>G06T 7 /-</u></b>	<b><u>G16H 20 /-</u></b>	2019277145	<b><u>H04W 24 /-</u></b>
2022202628	<b><u>G05D 23 /-</u></b>	2018348778		2021273521	2020317792
<b><u>G01N 33 /-</u></b>	2021202494	2020371142	<b><u>G16H 50 /-</u></b>	<b><u>H02S 50 /-</u></b>	<b><u>H04W 4 /-</u></b>
2017344061	<b><u>G06F 18 /-</u></b>	<b><u>G06V 30 /-</u></b>	2018215533	2021218086	2023202189
2019243255	2020278660	2020372489	2018257958	2021218177	<b><u>H04W 52 /-</u></b>
2020244615	<b><u>G06F 21 /-</u></b>	<b><u>G07G 1 /-</u></b>	2021294405	<b><u>H03L 7 /-</u></b>	2022200371
2020256029	2019420941	2020380134	<b><u>G21C 19 /-</u></b>	2022200371	2022200371
2020281132	2019458656	2021315737	<b><u>G21K 1 /-</u></b>	2021277715	<b><u>H04W 64 /-</u></b>
2020294235	2021409165	<b><u>G08B 1 /-</u></b>		2022202856	2023202189
2022202628	2022202047	2018233572	2018300240	<b><u>H04B 1 /-</u></b>	<b><u>H04W 74 /-</u></b>
<b><u>G01N 35 /-</u></b>	<b><u>G06F 3 /-</u></b>	2023202189	<b><u>H01J 49 /-</u></b>	2020389135	2017433998
2017344061	2018267623	<b><u>G08B 13 /-</u></b>	2020321594	<b><u>H04B 5 /-</u></b>	<b><u>H04W 88 /-</u></b>
<b><u>G01R 31 /-</u></b>	2021233166	2019295856	<b><u>H01L 25 /-</u></b>	2020389135	2020223039
2021218589	2021269359	2022200102		<b><u>H04B 7 /-</u></b>	<b><u>H05B 6 /-</u></b>
<b><u>G01R 33 /-</u></b>	2021294405	<b><u>G08B 17 /-</u></b>	2021224704	2022200371	2018256433
2018203814	2021307015	2018315462	<b><u>H01L 31 /-</u></b>	<b><u>H04L 45 /-</u></b>	<b><u>H05H 1 /-</u></b>
<b><u>G01S 13 /-</u></b>	2022200827	<b><u>G08B 21 /-</u></b>	2020340008	2020223039	2019336337
2019433190	2022202731	2017333662	2021286436	<b><u>H04L 65 /-</u></b>	2020321594
2020366769	2022204465	2018233572	2022246376	<b><u>H04L 65 /-</u></b>	<b><u>H05K 5 /-</u></b>
<b><u>G01S 17 /-</u></b>	<b><u>G06F 30 /-</u></b>	<b><u>G08B 29 /-</u></b>	<b><u>H01M 4 /-</u></b>	2020333658	2020389135
2017433745	2022256088	2018315462	2022200369	<b><u>H04L 7 /-</u></b>	<b><u>H05K 9 /-</u></b>
<b><u>G01S 7 /-</u></b>	<b><u>G06K 7 /-</u></b>	<b><u>G08B 3 /-</u></b>	<b><u>H01M 8 /-</u></b>	2022200371	2020389135
2019433190	2018334489	2018233572	2017378609	<b><u>H04L 9 /-</u></b>	2020389135
2020366769	2020380134	<b><u>G08B 6 /-</u></b>	<b><u>H01Q 1 /-</u></b>	<b><u>H04L 9 /-</u></b>	
<b><u>G01V 1 /-</u></b>	<b><u>G06N 3 /-</u></b>	2018233572	2018334489	2020333658	
2017306931	2020278660	<b><u>G08B 6 /-</u></b>	2020389135	2021409165	
2018285588	<b><u>G06N 5 /-</u></b>	2018233572	<b><u>H02G 3 /-</u></b>	<b><u>H04M 1 /-</u></b>	
<b><u>G02B 13 /-</u></b>	2019475423	<b><u>G09C 1 /-</u></b>	2017336587	2022201490	
2017433745	<b><u>G06N 99 /-</u></b>	2020423806	<b><u>H02J 1 /-</u></b>	<b><u>H04N 19 /-</u></b>	
<b><u>G02B 23 /-</u></b>	2022203362	2020425196	2018202689	2018325974	
2017433745	<b><u>G06Q 10 /-</u></b>	<b><u>G10D 1 /-</u></b>	<b><u>H02J 13 /-</u></b>	2018327924	
<b><u>G02B 25 /-</u></b>	2022256088	2018367360	2020333583	2018334926	
2017433745	<b><u>G06Q 20 /-</u></b>	<b><u>G10D 3 /-</u></b>		2018351405	
<b><u>G02B 25 /-</u></b>		2018367360		2019293670	
2017433745				2019414460	



**Opposition Proceedings**

(The name in parentheses is that of the opponent)

**Opposition Lodged**

2019321527 **Crane & Co., Inc.** ( CCL Secure Pty Ltd )

**Opposition Withdrawn**

2021107610 **Berkshire Renewable Energy Pty Ltd** ( UON Pty Ltd )

**Applications Withdrawn**

2015292889 **Delinia, Inc.** ( QIP Nominees Pty Ltd )

2017339076 **Etex Services NV** ( James Hardie Technology Limited )

**Patents Granted**

**Standard Patents**

2016204041 2016273920 2016322506 2016324316  
 2016334041 2016349504 2016357456 2016362876  
 2016380262 2016427019 2017202731 2017202782  
 2017203647 2017231506 2017232103 2017244045  
 2017246883 2017247133 2017247538 2017248618  
 2017250019 2017252122 2017252126 2017254645  
 2017256254 2017261189 2017261283 2017261635  
 2017261723 2017263454 2017267212 2017272213  
 2017281110 2017285082 2017285712 2017286576  
 2017288553 2017297402 2017300579 2017304739  
 2017320332 2017326569 2017330249 2017330401  
 2017333598 2017334029 2017347127 2017350134  
 2017352547 2017353871 2017357634 2017363356  
 2017363581 2017367452 2017370465 2017371388  
 2017371483 2017372764 2017379010 2017382316  
 2017382744 2017387699 2017406364 2017427013  
 2017430719 2018201263 2018209202 2018209950  
 2018210803 2018211462 2018215277 2018215376  
 2018227869 2018228454 2018232547 2018238394  
 2018242157 2018244437 2018246368 2018261179  
 2018273712 2018280156 2018283221 2018303333  
 2018308491 2018315050 2018319587 2018326340  
 2018332263 2018392328 2018410987 2018415602  
 2018421732 2018423026 2018437976 2019201181  
 2019205564 2019206552 2019213211 2019214531  
 2019227840 2019240603 2019247841 2019266795  
 2019276382 2019292266 2019310474 2019314075  
 2019320723 2019327262 2019327343 2019342737  
 2019345821 2019373295 2019374663 2019375079  
 2019380955 2019386380 2019386792 2019391411  
 2019405442 2019420325 2019438605 2019438622  
 2019452130 2019455656 2019455874 2019455887  
 2019456539 2019457803 2019481138 2020202240  
 2020203434 2020212919 2020220568 2020221556  
 2020237496 2020240071 2020240934 2020241375  
 2020241751 2020244338 2020244839 2020250543  
 2020253340 2020253768 2020256427 2020256776  
 2020260932 2020281043 2020283712 2020290447  
 2020291674 2020294274 2020298230 2020304345  
 2020327920 2020342253 2020370355 2020397870  
 2020421496 2021200396 2021200842 2021201229  
 2021201237 2021201390 2021201735 2021202135  
 2021202495 2021202869 2021203044 2021203382  
 2021203482 2021203488 2021204093 2021204638  
 2021204659 2021204705 2021204727 2021205082  
 2021206151 2021208408 2021209344 2021220966  
 2021221878 2021225416 2021240315 2021245100  
 2021250841 2021255147 2021266272 2021266324  
 2021266740 2021273527 2021273603 2021282441

**Patents Granted**

**Standard Patents**

2021286389 2021293076 2021295396 2021302513  
 2021318588 2022205154 2022228104 2022243917  
 2022283667 2022291446

**Innovation Patents**

2023100039 2023100040

**Assignments Registered**

2004209909 Gamelogic, Inc. The patent has been assigned to **Scientific Games, LLC**

2004216693 Gamelogic, Inc. The patent has been assigned to **Scientific Games, LLC**

2004226849 THYSSENKRUPP INDUSTRIAL SOLUTIONS AG The patent has been assigned to **FLSmith A/S**

2005220851 Gamelogic, Inc. The patent has been assigned to **Scientific Games, LLC**

2005271586 Gamelogic, Inc. The patent has been assigned to **Scientific Games, LLC**

2006204110 Gamelogic, Inc. The patent has been assigned to **Scientific Games, LLC**

2006210543 Gamelogic Inc. The patent has been assigned to **Scientific Games, LLC**

2006216218 Kyoto University; Daiichi Sankyo Company, Limited The patent has been assigned to **Daiichi Sankyo Company, Limited**

2006270317 GameLogic Inc. The patent has been assigned to **Scientific Games, LLC**

2006302141 Gamelogic Inc. The patent has been assigned to **Scientific Games, LLC**

2006332738 Gamelogic Inc. The patent has been assigned to **Scientific Games, LLC**

2007208361 GameLogic Inc. The patent has been assigned to **Scientific Games, LLC**

2007212246 Gamelogic Inc. The patent has been assigned to **Scientific Games, LLC**

2007214087 THYSSENKRUPP INDUSTRIAL SOLUTIONS AG The patent has been assigned to **FLSmith A/S**

2008206058 GT Acquisition Sub, Inc. The patent has been assigned to **Allflex USA LLC**

2008280515 THYSSENKRUPP INDUSTRIAL SOLUTIONS AG The patent has been assigned to **FLSmith A/S**

2009267012 GameLogic Inc. The patent has been assigned to **Scientific Games, LLC**

2009326790 Shanghai Institute of Materia Medica, Chinese Academy of Sciences; Topharman Shanghai Co., Ltd.; Topharman Shandong Co., Ltd. The patent has been assigned to **Shanghai Institute of Materia Medica, Chinese Academy of Sciences; Vigonvita Life Sciences Co., Ltd.**

2010257237 Gamelogic, Inc. The patent has been assigned to **Scientific Games, LLC**

2011315378 Fundacio Centre De Regulacio Genomica The patent has been assigned to **Imperial College Innovations Limited**

**Assignments Registered**

2012202281 Pall Corporation The patent has been assigned to **CYTIVA US LLC**

2012203289 Pall Corporation The patent has been assigned to **CYTIVA US LLC**

2012221919 Pall Europe Limited The patent has been assigned to **CYTIVA US LLC**

2012247021 Pall Corporation The patent has been assigned to **CYTIVA US LLC**

2012274016 Pall Corporation The patent has been assigned to **CYTIVA US LLC**

2012320255 4D Pharma Research Limited The patent has been assigned to **CJ Bioscience, Inc.**

2013202115 Pall Corporation The patent has been assigned to **CYTIVA US LLC**

2013204968 Pall Corporation The patent has been assigned to **CYTIVA US LLC**

2013205773 Pall Corporation The patent has been assigned to **CYTIVA US LLC**

2013207252 Lundbeck La Jolla Research Center, Inc.; The Scripps Research Institute The patent has been assigned to **The Scripps Research Institute; H.Lundbeck A/S**

2013389343 La Barrie, Simeon The patent has been assigned to **Open4sale International Pte Ltd**

2014218456 Pall Corporation The patent has been assigned to **CYTIVA US LLC**

2014277780 Pall Corporation The patent has been assigned to **CYTIVA US LLC**

2014277783 Pall Corporation The patent has been assigned to **CYTIVA US LLC**

2014277784 Pall Corporation The patent has been assigned to **CYTIVA US LLC**

2014277811 Pall Corporation The patent has been assigned to **CYTIVA US LLC**

2015370664 4D Pharma Research Limited The patent has been assigned to **CJ Bioscience, Inc.**

2016200110 umlaut communications GmbH The patent has been assigned to **Accenture Global Solutions Limited**

2016202108 Quantex ARC Limited The patent has been assigned to **PSG Germany GmbH**

2016202721 Pall Corporation The patent has been assigned to **CYTIVA US LLC**

2016202722 Pall Corporation The patent has been assigned to **CYTIVA US LLC**

2016223584 Seagull Therapeutics SAS The patent has been assigned to **SERINI, Guido; GIRAUDO, Enrico; TAMAGNONE, Luca**

2016278066 4D Pharma Research Limited The patent has been assigned to **CJ Bioscience, Inc.**

2016278067 4D Pharma Research Limited The patent has been assigned to **CJ Bioscience, Inc.**

**Assignments Registered**

2016278069 4D Pharma Research Limited The patent has been assigned to **CJ Bioscience, Inc.**

2016278070 4D Pharma Research Limited The patent has been assigned to **CJ Bioscience, Inc.**

2016278072 4D Pharma Research Limited The patent has been assigned to **CJ Bioscience, Inc.**

2016347856 Fundacio Centre De Regulacio Genomica; Imperial College Innovations Limited The patent has been assigned to **Imperial College Innovations Limited**

2016357554 4D Pharma Research Limited The patent has been assigned to **CJ Bioscience, Inc.**

2017200496 Pall Corporation The patent has been assigned to **CYTIVA US LLC**

2017201752 Pall Corporation The patent has been assigned to **CYTIVA US LLC**

2017202497 4D Pharma Research Limited The patent has been assigned to **CJ Bioscience, Inc.**

2017213592 Pall Corporation The patent has been assigned to **CYTIVA US LLC**

2017213595 Pall Corporation The patent has been assigned to **CYTIVA US LLC**

2017225101 Pall Corporation The patent has been assigned to **CYTIVA US LLC**

2017245475 Pall Corporation The patent has been assigned to **CYTIVA US LLC**

2017346790 Meredian, Inc. The patent has been assigned to **Danimer IPCo, LLC**

2017348093 Meredian, Inc. The patent has been assigned to **Danimer IPCo, LLC**

2017348287 Meredian, Inc. The patent has been assigned to **Danimer IPCo, LLC**

2018203721 Pall Corporation The patent has been assigned to **CYTIVA US LLC**

2018205072 4D Pharma Research Limited The patent has been assigned to **CJ Bioscience, Inc.**

2018206698 Pall Corporation The patent has been assigned to **CYTIVA US LLC**

2018210251 Meredian, Inc. The patent has been assigned to **Danimer IPCo, LLC**

2018285445 4D Pharma Research Limited The patent has been assigned to **CJ Bioscience, Inc.**

2018285453 4D Pharma Research Limited The patent has been assigned to **CJ Bioscience, Inc.**

2019239048 4D Pharma Research Limited The patent has been assigned to **CJ Bioscience, Inc.**

2019275541 Pall Corporation The patent has been assigned to **CYTIVA US LLC**

2019294284 4D Pharma Research Limited The patent has been assigned to **CJ Bioscience, Inc.**

**Assignments Registered**

- 2019321280 Meredian, Inc. The patent has been assigned to **Danimer IPCo, LLC**
- 2019344351 Meredian, Inc. The patent has been assigned to **Danimer IPCo, LLC**
- 2020244599 4D Pharma Research Limited The patent has been assigned to **CJ Bioscience, Inc.**
- 2020260466 Pall Corporation The patent has been assigned to **CYTIVA US LLC**
- 2020273303 Pall Corporation The patent has been assigned to **CYTIVA US LLC**
- 2020273304 Pall Corporation The patent has been assigned to **CYTIVA US LLC**
- 2020273305 Pall Corporation The patent has been assigned to **CYTIVA US LLC**
- 2020273306 Pall Corporation The patent has been assigned to **CYTIVA US LLC**
- 2020294183 Pall Corporation The patent has been assigned to **CYTIVA US LLC**
- 2021203009 Pall Corporation The patent has been assigned to **CYTIVA US LLC**
- 2021204234 Pall Corporation The patent has been assigned to **CYTIVA US LLC**
- 2021204486 4D Pharma Research Limited The patent has been assigned to **CJ Bioscience, Inc.**
- 2021209154 Pall Corporation The patent has been assigned to **CYTIVA US LLC**

**Extensions of Term of Standard Patents**

Extension of Term of a Standard Patent relating to Pharmaceutical Substances

**Applications Accepted**

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

Notice of opposition under Section 75(1) to the undermentioned application(s) for an extension of term may be filed at the Patent Office within the prescribed time.

2012326370 **Celator Pharmaceuticals, Inc.**

The earliest first regulatory approval date provided by the patentee 03 Jun 2022

For the goods VYXEOS daunorubicin and cytarabine

Address for service : Griffith Hack Level 10 161 Collins St MELBOURNE VIC 3000 AU

2016298425 **BioMarin Pharmaceutical Inc.**

The earliest first regulatory approval date provided by the patentee 06 Jul 2022

For the goods VOXZOGO vosoritide

Address for service : WRAYS PTY LTD L7 863 Hay St Perth WA 6000 AU

**Extensions granted**

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

2005235455 **Celator Pharmaceuticals, Inc.**

**Extensions of Term of Standard Patents**

Extension of Term of a Standard Patent relating to Pharmaceutical Substances

**Extensions granted**

The earliest first regulatory approval date provided by the patentee 03 Jun 2022

For the goods VYXEOS daunorubicin and cytarabine

Extension of Term of patent pursuant to Section 77 expires on 22 Apr 2030

**Corrigenda**

In Vol 57 , No 21 , Page(s) 2934 under the heading **Amendments - Application for Amendments** Under the name Watershed Solar, LLC, Application No. 2021244693 correct the date of the statements filed to read 10 May 2023 and 22 May 2023

In Vol 57 , No 8 , Page(s) 1223 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V., Application No. 2021318908, under INID (71) correct the applicant name to Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.

**Specifications Republished**

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

- 2017302615 **Biofire Diagnostics, LLC.; Biofire Defense, LLC.**
- 2017379074 **Amgen Inc.**