



Australian Government

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
or contact our Customer Service Network on 1300651010*

Editorial enquiries

Contact information

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Professional Standards Board

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Country Codes

Trade Mark and Designs Hearing Sessions

INID (Internationally agreed Numbers for the Identification of Data)

GUIDE TO THE USE OF THIS JOURNAL

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

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

(i) FILING -

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

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

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

(iii) ACCEPTANCE –

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

(iv) OPPOSITION –

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

(v) GRANTING –

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

(vi) CERTIFICATION

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

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

How To Identify Information Using "INID" Numbers

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

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

(22) 12.10.91

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

How Australian Patent Documents are Numbered

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

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

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

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

See Examples:

2011236254 and 2000023658 (Standard Complete)

2011158589 (Innovation Complete)

2011902365 (Provisional)

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

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

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

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

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

NOTE: When ordering any patent document from us, whether accepted or not, please quote the application/patent number preceded by the appropriate prefix.

Arrangement of Information in the Journal

For each of the categories

- (i) Provisional Applications Filed,
- (ii) Complete Applications Filed,
- iii) Applications Open to Public Inspection
- (iv) Applications Accepted, and
- (v) Innovation Patent Certified.

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

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

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

Using the Indices

1. To Find Patent Information if You Know the Name of the Applicant.

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

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

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

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

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

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

The following Numerical Indices are available:

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

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

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

The indices to use are

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

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

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

'INID' NUMBERS in use on Australian Patent Documents

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

(10) Document identification

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

(20) Document filing data

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

(30) Priority data

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

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

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

(50) Technical Information

- (51) International Patent Classification
- (52) Domestic or national classification
- (54) Title of invention
- (56) List of prior art documents, if separate from descriptive text
- (57) Abstract or claim

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

- (60) Related by cognate(s).
- (61) Related by addition(s).
- (62) Related by division(s).

(70) Identification of parties concerned with the document

- (71) Name(s) of applicant(s)
- (72) Name(s) of inventor(s) if known to be such
- (74) Name(s) of attorney(s) or agent(s)
- (75) Name(s) of inventor(s) who is (are) also applicant(s)

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

- (86) PCT Application Number
- (87) PCT Publication Number

NOTE

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

AU-A = Pre-examination

AU-B = Post-examination

- (2) The classification used is the International Patent Classification and is identified by the INID code (51). Further editions of the classification are identified as (51)₂, (51)₃, (51)₄ and (51)₅.
- (3) INID code 74 provides for the name of the patent attorney, or firm of attorneys, prosecuting an application.

IP AUSTRALIA

AUSTRALIAN PATENT OFFICE

CQMS Pty Ltd v ESCO Group LLC [2022] APO 9

Patent Application: 2014240371

Title: Wear assembly removal and installation

Patent Applicant: ESCO Group LLC

Opponent: CQMS Pty Ltd

Delegate: Xavier Gisz

Decision Date: 16 February 2022

Hearing Date: 17 November 2021, by Video Conference

Catchwords: **PATENTS** - opposition under section 104 – allowability under subsections 102(1), 102(2)(a) and 102(2)(b) considered – amendments do not comply with 102(1) and 102(2)(b) – opposition succeeds – costs awarded against the applicant

Representation: Counsel for the applicant: Tom Cordiner
Patent attorney for the applicant: Shyama Jayaswal of MinterEllison,
Wayne McMaster of Intellectual Property Counsel
Opponent: James & Wells Intellectual Property

IP AUSTRALIA

AUSTRALIAN PATENT OFFICE

Grzegorz Malewicz [2022] APO 11

Patent Application: 2019223804

Title: A method and an apparatus for searching or comparing sites using routes or route lengths between sites and places within a transportation system

Patent Applicant: Grzegorz Malewicz

Delegate: Dr N. R. Madsen – Deputy Commissioner of Patents

Decision Date: 22 February 2022

Hearing Date: Written submissions completed 20 January 2022

Catchwords: **PATENTS** – section 45 – examiner’s objection – using pre-processing of route segments to enable faster retrieval of routes between sets of start, end, and intermediate points in a network such as a transportation system – clarity, inventive step, manner of manufacture – clarity objection cannot be maintained – invention in substance directed to a mere scheme – application refused

Representation: Self-represented applicant

IP AUSTRALIA

AUSTRALIAN PATENT OFFICE

***Vahid Vakiloroya v HVPS Holdings (Pty) Limited* [2022] APO 10**

Patent Application: 2017243880

Title: An air conditioning system

Patent Applicant: HVPS Holdings (Pty) Limited

Requestor: Vahid Vakiloroya

Delegate: Felix White

Decision Date: 22 February 2022

Hearing Date: 9 November 2021, by Videoconference

Catchwords: **PATENTS** – s36 – request for declaration on entitlement – deed of agreement alleged to have been induced by misrepresentation – Commissioner has no power to give effect to contract rescission when financial consideration has been exchanged – request for indemnity costs – “Calderbank” offer – insufficient reasoning in Calderbank offer – no award of costs.

Representation: Patent attorney for the applicant: Chris Schlicht & Melissa Wingard, Phillips Ormond Fitzpatrick
Solicitor for the requestor: Charles Stanford

IP AUSTRALIA

AUSTRALIAN PATENT OFFICE

Cantarella Bros Pty Ltd v Koninklijke Douwe Egberts B.V. [2022] APO 12

Patent Application: 2009347078

Title: Capsule, system and method for preparing a predetermined quantity of beverage suitable for consumption

Patent Applicant: Koninklijke Douwe Egberts B.V.

Opponent: Cantarella Bros Pty Ltd

Delegate: Greg Powell, Deputy Commissioner of Patents

Decision Date: 23 February 2022

Hearing Date: 7 May 2021, by Video conference

Catchwords: **PATENTS** – opposition to the allowance of an amendment – allowability under s102(2)(a) – proposed claims fall within the scope of the claims before amendment – a amendment allowable under s102(2)(a) – whether the amendments are for the purpose of correcting clerical error – clerical error not established – amendment allowed – costs awarded against opponent

Representation: Counsel for the applicant: Tom Cordiner QC
Patent attorney for the applicant: Edith Hamilton, Davies Collison Cave
Counsel for the opponent: Michael Green SC, Benjamin Cameron
Patent attorney for the opponent: Alister McCowan, FPA Attorneys

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 15 Feb 2022 .

| | | |
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| (71) 5bar Pty Ltd (21) 2022900385 (22) 21.02.2022 (54) STAIR TROLLEY | Bovonic Limited see KAMPSHOF, L. (21) 2022900361 | (71) Davis Trading Pty Ltd (21) 2022900330 (22) 16.02.2022 (54) Fence Wire Spacer Assembly |
| ALJO Group Pty Ltd see Magpie Enterprises Pty Ltd (21) 2022900381 | (71) Cahlin, C. (21) 2022900392 (22) 21.02.2022 (54) Procedure for infusing vitamins and minerals into Adaptogenic mushrooms | (71) Deakin University (21) 2022900331 (22) 16.02.2022 (54) STENT |
| (71) Applied Electric Vehicles Pty Ltd (21) 2022900384 (22) 21.02.2022 (54) AUTONOMOUS VEHICLE OPERATED WITH FAIL-SAFE MODE | CAMPBELL, G. see KAMPSHOF, L. (21) 2022900361 | Dobozy, J. see Molecetra Rubber Tech Ltd (21) 2022900346 |
| (71) Arguello, M. (21) 2022900321 (22) 15.02.2022 (54) BASE (Bicycle Attachment Slide Equipment) | (71) Catto, C. (21) 2022900326 (22) 15.02.2022 (54) Front split in board shorts that allows for full length boards shorts to be worn while surfing and not get caught on your knee while getting up to a standing position | DOBOZY, J. see Molecetra Rubber Tech Ltd (21) 2022900345 |
| (71) Atallah, J. (21) 2022900374 (22) 18.02.2022 (54) Apparatus for making Coffee and associated Method | (71) Ceres Tag Pty Ltd (21) 2022900394 (22) 22.02.2022 (54) SYSTEM AND METHOD FOR MONITORING ANIMAL ACTIVITY | (71) Edwards, B. (21) 2022900383 (22) 21.02.2022 (54) Vending System |
| (71) ATMOS PTY LTD (21) 2022900371 (22) 18.02.2022 (54) DEVICE, SYSTEM, METHOD AND COMPOSITION FOR REDUCING POLLUTION | (71) Cumpson, P. (21) 2022900376 (22) 19.02.2022 (54) Sample Mounting Method and Apparatus | (71) ElAmer, A. (21) 2022900339 (22) 17.02.2022 (54) Vertical Unmanned Aerial Vehicle ("UAV) Security Device |
| (71) Axsentieff, I. (21) 2022900327 (22) 16.02.2022 (54) Multi function sealed bore cap | DAVENPORT, C. see RAKONJAC, J. (21) 2022900380 | (71) EmergTag Pty Ltd (21) 2022900355 (22) 17.02.2022 (54) AN EMERGENCY MEDICAL INFORMATION DEVICE |
| (71) Badenhorst, H. (21) 2022900329 (22) 16.02.2022 (54) Composition of matter | (71) Davies, K. (21) 2022900338 (22) 17.02.2022 (54) Pilot Sensor1a | (71) ETP International Company Limited (21) 2022900382 (22) 21.02.2022 (54) Carbon dioxide capture |
| BISSET, S. see RAKONJAC, J. (21) 2022900380 | (71) Davies, K. (21) 2022900390 (22) 21.02.2022 (54) Pilot Sensor1c | (71) ETP International Company Limited (21) 2022900391 (22) 21.02.2022 (54) Chlorine production by electrolytic cell system |

Provisional Applications Filed - Name Index cont'd

(71) ETTRIDGE, D.
(21) 2022900356 (22) 17.02.2022
(54) New method for playing poker

(71) FrontYa Pty Ltd
(21) 2022900364 (22) 18.02.2022
(54) Method and Apparatus for Asset Selection

(71) Glare, M.
(21) 2022900369 (22) 18.02.2022
(54) An Improved Hinge

(71) Glencore Technology Pty Limited
(21) 2022900328 (22) 16.02.2022
(54) Method for processing zinc concentrates

(71) Global Import Corporation Pty Ltd
(21) 2022900360 (22) 18.02.2022
(54) Improvements in construction of architectural structures and/or vehicle bodies

GONZALEZ-MIRO, M. see RAKONJAC, J.
(21) 2022900380

(71) Hamwood, C.
(21) 2022900352 (22) 17.02.2022
(54) COMPUTER IMPLEMENTED SYSTEM AND METHOD OF FACILITATING SHARED RENTAL ARRANGEMENTS

(71) Inhaler Supplies Pty Ltd
(21) 2022900366 (22) 18.02.2022
(54) Nicotine Formulation

(71) KAMPSHOF, L.; CAMPBELL, G.; Bovonic Limited
(21) 2022900361 (22) 18.02.2022
(54) In-Line Sensor, Apparatus and Methods of Use

KHANUM, S. see RAKONJAC, J.
(21) 2022900380

(71) Lanyon, G.
(21) 2022900359 (22) 18.02.2022
(54) MICROBIAL CELLULOSE BANDAGE IMPREGNATED WITH CHITOSAN FOR FASTER BLOOD CLOTTING AND WOUND HEALING

(71) La Trobe University
(21) 2022900334 (22) 16.02.2022
(54) COMPOUNDS WITH ANTIMICROBIAL ACTIVITY

LAW, D. see WRIGHT, R.
(21) 2022900343

(71) Magpie Enterprises Pty Ltd; ALJO Group Pty Ltd
(21) 2022900381 (22) 21.02.2022
(54) COMPUTER IMPLEMENTED SYSTEM AND METHOD OF FACILITATING THE BORROWING OR HIRING OF EQUIPMENT

(71) Maxoniq IP Pty Ltd
(21) 2022900367 (22) 18.02.2022
(54) A subperiosteal magnetic dental prosthesis retaining implant and surgical procedure for the installation thereof

(71) McElligott, T.
(21) 2022900342 (22) 17.02.2022
(54) A disconnectable pull action toggle clamp latch

(71) Mesoblast International Sarl
(21) 2022900372 (22) 18.02.2022
(54) Method for treating acute respiratory distress syndrome (ARDS) using mesenchymal lineage precursor or stem cells

(71) Metrologi Pty Ltd
(21) 2022900325 (22) 15.02.2022
(54) Slurry Pipeline and Component Therefor

(71) Minelab Electronics Pty. Limited
(21) 2022900362 (22) 18.02.2022
(54) A METATL DETECTOR COIL

(71) Mineralux Australia Pty Ltd
(21) 2022900389 (22) 21.02.2022
(54) A METHOD AND COMPOSITION FOR TREATING WATER

(71) Mitra, A.
(21) 2022900337 (22) 16.02.2022
(54) AUTOMATED APPARATUS AND METHOD FOR MAKING CHAI

(71) MKE Holdings Pty Ltd ACN 625 761 355
(21) 2022900388 (22) 21.02.2022
(54) REPLACEABLE TIP AND WEAR SHROUD ASSEMBLY FOR A SHREDDER HAMMER.

(71) Molecra Rubber Tech Ltd; DOBOZY, J.
(21) 2022900345 (22) 17.02.2022
(54) MolecularTransformation to Rebound Rubber

(71) Molecra Rubber Tech Ltd; Dobozy, J.
(21) 2022900346 (22) 17.02.2022
(54) EvapoTranspirator

(71) Molecra Rubber Tech Ltd; DOBOZY, J.
(21) 2022900348 (22) 17.02.2022
(54) Multi Cache Ultra-Fine Grinder

(71) Money And Me Financial Services Pty Ltd
(21) 2022900377 (22) 19.02.2022
(54) WATER MIXER WITH ROTARY PRE-SET LEVELS OF WATER TEMPERATURE

(71) NewSouth Innovations Pty Limited
(21) 2022900344 (22) 17.02.2022
(54) An electronic device and method of forming an electronic device

(71) Ocean Eye Lures Pty Ltd
(21) 2022900332 (22) 16.02.2022
(54) MODULAR FISHING LURE

(71) Paris, M.
(21) 2022900341 (22) 11.02.2022
(54) Spiral Permanent Magnet

(71) Prism Surgical Designs Pty Ltd
(21) 2022900335 (22) 16.02.2022
(54) Distraction and insertion apparatus and method of use

(71) Project Initiation & Facilitation Pty Ltd
(21) 2022900333 (22) 16.02.2022
(54) An innovative configuration that is composed of two heights of permanent formwork and steel reinforcement for two concrete columns that are installed one on top of the other.

(71) PYC Therapeutics Limited
(21) 2022900368 (22) 18.02.2022
(54) Compositions and Methods for Modulating Inflammation 2

(71) PYC Therapeutics Limited
(21) 2022900370 (22) 18.02.2022
(54) Compositions and Methods for Modulating Inflammation 3

(71) QBiotics Pty Ltd
(21) 2022900340 (22) 17.02.2022
(54) Combination Therapies

(71) Queensland University of Technology
(21) 2022900336 (22) 16.02.2022
(54) Compositions for Reducing Virus Transmission

Provisional Applications Filed - Name Index cont'd

QUEZADA, R. see RAKONJAC, J.
(21) 2022900380

RAJIC, M. see RAKONJAC, J.
(21) 2022900380

(71) RAKONJAC, J.; QUEZADA, R.; DAVENPORT, C.; VAN HUNG LE, V.; KHANUM, S.; ZHOU, J.; GONZALEZ-MIRO, M.; BISSET, S.; RAJIC, M.
(21) 2022900380 (22) 21.02.2022
(54) Production of biological scalable nanorods

(71) ResMed Pty Ltd
(21) 2022900357 (22) 17.02.2022
(54) PATIENT INTERFACE SYSTEM

(71) SCOTT, T.
(21) 2022900322 (22) 15.02.2022
(54) SYSTEM AND DEVICE FOR APPLYING SHEETING TO A BUILDING

(71) Spencer, E.
(21) 2022900379 (22) 20.02.2022
(54) Intervertebral Disk Prosthesis

(71) Stan-Bishop, N.
(21) 2022900324 (22) 15.02.2022
(54) Strap winder and associated control

(71) SVW TECHNOLOGIES PTY LTD
(21) 2022900378 (22) 20.02.2022
(54) EGF sheep

(71) Technological Resources Pty. Limited
(21) 2022900351 (22) 17.02.2022
(54) Leaching Copper-Containing Ores

(71) The Australian National University
(21) 2022900373 (22) 18.02.2022
(54) A Method of Analysing Sequence Data

(71) THE AUSTRALIAN NATIONAL UNIVERSITY
(21) 2022900386 (22) 21.02.2022
(54) METHOD, SYSTEM, AND DEVICE USING A GENERATIVE MODEL FOR IMAGE SEGMENTATION

(71) The Queensland Institute of Medical Research
(21) 2022900358 (22) 18.02.2022
(54) NOVEL COMPOSITIONS AND METHODS FOR TREATING CORONAVIRUS INFECTIONS

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(21) 2022900380

(71) VBreathe Pty Ltd
(21) 2022900353 (22) 17.02.2022
(54) A gel formulation

(71) VBreathe Pty Ltd
(21) 2022900354 (22) 17.02.2022
(54) A matrix platform

(71) Vet Med IP Pty Ltd
(21) 2022900349 (22) 17.02.2022
(54) A PROBIOTIC AND ENZYME PREPARATION FOR TREATING SKIN CONDITIONS

(71) Walker, C.
(21) 2022900365 (22) 18.02.2022
(54) A stock cage safety device attachment

(71) Watson, R.B.
(21) 2022900323 (22) 15.02.2022
(54) Hanging Clip

(71) WRIGHT, R.; LAW, D.
(21) 2022900343 (22) 17.02.2022
(54) Compositions and methods for treating infections

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(21) 2022900380

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| 2022900358 | The Queensland Institute of Medica, T.C. | | |
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| 2022900360 | Global Import Corporation Pty Ltd | | |
| 2022900361 | KAMPSHOF, L.; CAMPBELL, G.; Bovonic Limited | | |
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| 2022900364 | FrontYa Pty Ltd | | |
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| 2022900367 | Maxoniq IP Pty Ltd | | |
| 2022900368 | PYC Therapeutics Limited | | |
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| 2022900371 | ATMOS PTY LTD | | |
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| 2022900388 | MKE Holdings Pty Ltd ACN 625 761 355 | | |
| 2022900389 | Mineralux Australia Pty Ltd | | |
| 2022900390 | Davies, K. | | |
| 2022900391 | ETP International Company Limited | | |

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Applications listed below were processed through the Patent Office Canberra during the period ending 15 Feb 2022 .

. (*) Title not in Roman characters

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(71) ZMT Mining Products Pty Ltd
 (21) 2022200994 (22) 15.02.2022
 (54) RIGGING COMPONENTS
 (31) 2021900400 (32) 17.02.21 (33) AU

(71) Abbott Diabetes Care Inc.
 (21) 2022201057 (22) 17.02.2022
 (54) Stabilized lactate responsive enzymes, electrodes and sensors, and methods for making and using the same
 (62) 2016280696

AbbVie Inc. see Calico Life Sciences LLC
 (21) 2022200946

(71) ADB Safegate Sweden AB
 (21) 2022201028 (22) 16.02.2022
 (54) Control system at an airport
 (62) 2018274586

(71) AGCO Corporation
 (21) 2022200954 (22) 11.02.2022
 (54) AGRICULTURAL IMPLEMENTS HAVING FOLDABLE MARKER ASSEMBLIES
 (31) 63/267,392 (32) 01.02.22 (33) US

(71) AgCoTech IP Pty Ltd
 (21) 2022201013 (22) 16.02.2022
 (54) Molasses supplement containing active agents
 (31) 2021900395 (32) 17.02.21 (33) AU

(71) AMARIN PHARMACEUTICALS IRELAND LIMITED
 (21) 2022200964 (22) 14.02.2022
 (54) COMPOSITIONS AND METHODS FOR LOWERING TRIGLYCERIDES WITHOUT RAISING LDL-C LEVELS
 (62) 2019257464

(71) Apnea Sciences Corporation
 (21) 2022200982 (22) 15.02.2022
 (54) Bidirectional jaw displacement oral appliance
 (31) 17/183,069 (32) 23.02.21 (33) US

(71) Apple Inc.
 (21) 2022200965 (22) 14.02.2022
 (54) Avatar creation and editing
 (62) 2020294208

(71) Apple Inc.
 (21) 2022200966 (22) 14.02.2022
 (54) User interfaces for capturing and managing visual media
 (62) 2021254567

(71) Apple Inc.
 (21) 2022201036 (22) 17.02.2022
 (54) Multi-functional hand-held device
 (62) 2019261790

(71) Apple Inc.
 (21) 2022201037 (22) 17.02.2022
 (54) Providing audio information with a digital assistant
 (62) 2019279597

(71) Apple Inc.
 (21) 2022201049 (22) 17.02.2022
 (54) Intelligent appointment suggestions
 (62) 2020204640

(71) Apple Inc.
 (21) 2022201062 (22) 17.02.2022
 (54) Unified communication application
 (62) 2020201129

(71) Aqseptence Group, Inc
 (21) 2022201017 (22) 16.02.2022
 (54) ENHANCED SHAPE SUPPORT GRID
 (62) 2020201107

(71) Arbutus Biopharma Corporation
 (21) 2022201011 (22) 16.02.2022
 (54) TARGETING LIPIDS
 (62) 2020200082

(71) Aristocrat Technologies, Inc.
 (21) 2022200970 (22) 14.02.2022
 (54) SHARED ELECTRONIC GAMING MACHINE INTERFACE INCLUDING OVERSIZED BUTTON DECK ASSEMBLY
 (31) 17/669,770 (32) 11.02.22 (33) US
 63/149,519 15.02.21 US

(71) Astex Therapeutics Limited
 (21) 2022201060 (22) 17.02.2022
 (54) FGFR/PD-1 COMBINATION THERAPY FOR THE TREATMENT OF CANCER
 (62) 2016243917

(71) Ausplow Pty. Ltd.
 (21) 2022200972 (22) 14.02.2022
 (54) Fertiliser boot and shield
 (62) 2021221571

(71) Bartco Traffic Equipment Pty Ltd
 (21) 2022200975 (22) 14.02.2022
 (54) Method for communication with a display network
 (62) 2020200111

(71) Bay6 Solutions Inc
 (21) 2022201055 (22) 17.02.2022
 (54) Magnetic Filter Cartridge and Filter Assembly
 (31) 63/150,473 (32) 17.02.21 (33) US

(71) BEBAT vzw
 (21) 2022200999 (22) 15.02.2022
 (54) Drum for Transporting and/or Storing Batteries and the Use of Such a Drum
 (31) BE 2021/5165 (32) 04.03.21 (33) BE

(71) BELRON INTERNATIONAL LTD
 (21) 2022201019 (22) 16.02.2022
 (54) BREAK ANALYSIS APPARATUS AND METHOD
 (62) 2017263145

(71) BioPath Automation, L.L.C.
 (21) 2022201012 (22) 16.02.2022
 (54) Sectionable cassette and embedding frame with tissue immobilizing separable lid, and methods for preparing biopsy tissue samples
 (62) 2016302744

(71) BiSN Tec Ltd
 (21) 2022201007 (22) 16.02.2022
 (54) CHEMICAL HEAT SOURCES FOR USE IN DOWN-HOLE OPERATIONS
 (62) 2017261436

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 (21) 2022201008 (22) 16.02.2022
 (54) CHEMICAL HEAT SOURCES FOR USE IN DOWN-HOLE OPERATIONS
 (62) 2017261436

(71) Brentwood Industries, Inc.
 (21) 2022201001 (22) 15.02.2022

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- (54) Cooling Tower Splash Bar Hanger and Related Assembly
(62) 2019453241
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- (71) British American Tobacco (Investments) Limited
(21) 2022200981 (22) 15.02.2022
(54) Apparatus for heating smokable material
(62) 2018334042
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- (71) Calico Life Sciences LLC; AbbVie Inc.
(21) 2022200946 (22) 11.02.2022
(54) Modulators of the integrated stress pathway
(62) 2017260367
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- (71) Cancer Targeted Technology LLC
(21) 2022201000 (22) 15.02.2022
(54) Chelated PSMA inhibitors
(62) 2017311510
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- (71) Canon Kabushiki Kaisha
(21) 2022200959 (22) 14.02.2022
(54) Cartridge
(62) 2020204081
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- (71) Cantor Index LLC
(21) 2022201022 (22) 16.02.2022
(54) SYSTEM AND METHOD FOR WAGERING IN A FINANCIAL MARKET ENVIRONMENT
(62) 2020260461
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- (71) CarbonCure Technologies Inc.
(21) 2022201059 (22) 17.02.2022
(54) Methods and compositions for treatment of concrete wash water
(62) 2018288555
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- (71) CASCO Europe Limited
(21) 2022201035 (22) 17.02.2022
(54) Veterinary Lighting Apparatus
(31) 2102658.8 (32) 25.02.21 (33) GB
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- (71) Celularity Inc.
(21) 2022200976 (22) 14.02.2022
(54) Natural killer cells and uses thereof
(62) 2019204020
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- (71) CFPH, LLC
(21) 2022200980 (22) 15.02.2022
(54) AMUSEMENT DEVICES AND GAMES INVOLVING PROGRESSIVE JACKPOTS
(62) 2020201877
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- (71) Children's National Medical Center
(21) 2022201045 (22) 17.02.2022
- (54) Generating virus or other antigen-specific T cells from a naive T cell population
(62) 2016235388
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- (71) Chiltek Pty Ltd
(21) 2022200952 (22) 11.02.2022
(54) Cooling of a space accommodating an occupant in a vehicle
(62) 2020200223
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- (71) Civil Infrastructure Group Pty Ltd
(21) 2022200949 (22) 11.02.2022
(54) Systems and methods for curing concrete
(62) 2017214669
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- (71) Civil Infrastructure Group Pty Ltd
(21) 2022200950 (22) 11.02.2022
(54) Systems and methods for curing concrete
(31) 2021900331 (32) 11.02.21 (33) AU
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(21) 2022200988 (22) 15.02.2022
(54) Controlled-release and stratified cyclodextrin inclusion complex vehicles
(62) 2017214669
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- (71) Deere & Company
(21) 2022200957 (22) 14.02.2022
(54) Apparatus and method for limiting movement of a work machine
(31) 17/249,921 (32) 18.03.21 (33) US
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- (71) DePuy Ireland Unlimited Company
(21) 2022200958 (22) 14.02.2022
(54) System and method for preparing a patient's femur in an orthopaedic joint replacement procedure
(62) 2017268380
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- (71) DePuy Synthes Products, Inc.
(21) 2022200996 (22) 15.02.2022
(54) Systems and methods for intra-operative image analysis
(62) 2017207496
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- (71) Donmark Holdings Inc.
(21) 2022200962 (22) 14.02.2022
(54) MULTI-DUMP VALVE FOR RELEASING LIQUID FROM A CONTAINER
(31) 63/149,188 (32) 12.02.21 (33) US
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- (71) dormakaba Deutschland GmbH
(21) 2022200937 (22) 11.02.2022
(54) Door actuator arrangement
(31) 21160078.8 (32) 01.03.21 (33) EP
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- (71) Ecolab USA Inc.
(21) 2022200907 (22) 11.02.2022
- (54) Generation of peroxyformic acid through polyhydric alcohol formate
(62) 2020204069
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- (71) Ecolab USA Inc.
(21) 2022200978 (22) 14.02.2022
(54) DEPOSIT MONITOR
(62) 2017322702
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- (71) Editas Medicine, Inc.
(21) 2022201038 (22) 17.02.2022
(54) Compositions and methods for promoting homology directed repair
(62) 2015330699
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- (71) Electro Scan, Inc.
(21) 2022200941 (22) 11.02.2022
(54) Multi-Sensor Inspection For Identification Of Pressurized Pipe Defects That Leak
(62) 2015238903
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- (71) Envirorubber Solutions Pty Ltd
(21) 2022200943 (22) 11.02.2022
(54) A Rubber Wheelchair Access Ramp
(31) 2021901592 (32) 27.05.21 (33) AU
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- (71) Envisics Ltd
(21) 2022200973 (22) 14.02.2022
(54) Head-up display
(31) 2103148.9 (32) 05.03.21 (33) GB
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- (71) Ethicon, Incorporated
(21) 2022200993 (22) 15.02.2022
(54) Compacted hemostatic cellulosic aggregates
(62) 2020233693
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- Excelsior Pharmatech Labs see TZANG, R.**
(21) 2022201030
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- (71) Factor Bioscience Inc.
(21) 2022201056 (22) 17.02.2022
(54) Methods and products for nucleic acid production and delivery
(62) 2019201576
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- (71) Fisher & Paykel Healthcare Limited
(21) 2022201034 (22) 17.02.2022
(54) RESPIRATORY HUMIDIFIER COMMUNICATION SYSTEMS AND METHODS
(62) 2020201844
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- (71) FISHER & PAYKEL HEALTHCARE LIMITED
(21) 2022200961 (22) 14.02.2022
(54) MEDICAL DATA MANAGEMENT SYSTEM
(62) 2020200470

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(71) GENENTECH, INC.
 (21) 2022201067 (22) 17.02.2022
 (54) Immediate-release tablets containing a drug and processes for forming the tablets
 (62) 2016287422

(71) Ginkgo Bioworks, Inc.
 (21) 2022200938 (22) 11.02.2022
 (54) Increasing lipid production and optimizing lipid composition
 (62) 2015266785

(71) Globeride, Inc.
 (21) 2022201051 (22) 17.02.2022
 (54) REEL SEAT
 (31) 2021-075639 (32) 28.04.21 (33) JP

(71) Harpur, L.
 (21) 2022200944 (22) 11.02.2022
 (54) PVC DICONNECTOR BEEFY TRAP

(71) HeartSine Technologies Limited
 (21) 2022200992 (22) 15.02.2022
 (54) Cardio pulmonary resuscitation feedback system
 (31) 21157655.8 (32) 17.02.21 (33) EP

(71) Hendrickson USA, L.L.C.
 (21) 2022200991 (22) 15.02.2022
 (54) Axle assembly and axle spindle for heavy-duty vehicle and manufacturing methods thereof
 (62) 2019327403

(71) Highlightll Pharmaceutical (Hainan) Co., Ltd
 (21) 2022201058 (22) 17.02.2022
 (54) Novel Jak1 selective inhibitors and uses thereof
 (62) 2017339417

(71) Highlightll Pharmaceutical (Hainan) Co., Ltd
 (21) 2022201061 (22) 17.02.2022
 (54) Novel Jak1 selective inhibitors and uses thereof
 (62) 2017339417

(71) Hofmann Engineering Pty Ltd
 (21) 2022201033 (22) 16.02.2022
 (54) Roller Assembly
 (31) 2021900390 (32) 16.02.21 (33) AU

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 (21) 2022200968

(71) Idera Pharmaceuticals, Inc.
 (21) 2022201046 (22) 17.02.2022
 (54) TLR9 modulators for treating cancer

(71) IGT
 (21) 2022200956 (22) 14.02.2022
 (54) VIRTUAL CHIP PURCHASE VOUCHERS
 (31) 17/178,938 (32) 18.02.21 (33) US

(71) inRegen
 (21) 2022201010 (22) 16.02.2022
 (54) Renal cell populations and uses thereof
 (62) 2019204178

(71) Intabio, Inc.
 (21) 2022200939 (22) 11.02.2022
 (54) DEVICES AND METHODS FOR SAMPLE CHARACTERIZATION
 (62) 2016365121

(71) Intervet International B.V.
 (21) 2022201042 (22) 17.02.2022
 (54) Compounds useful for treating a Malaria infection
 (62) 2017380070

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 (21) 2022201005

(71) JONES, K.
 (21) 2022201002 (22) 15.02.2022
 (54) A METHOD OF MAKING STEEL SHEET FOR FENCING HAVING A TIMBER GRAIN APPEARANCE

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(71) Lantheus Medical Imaging, Inc.
 (21) 2022201065 (22) 17.02.2022
 (54) LIPID-ENCAPSULATED GAS MICROSPHERE COMPOSITIONS AND RELATED METHODS
 (62) 2015374286

(71) LG ELECTRONICS INC.
 (21) 2022201064 (22) 17.02.2022
 (54) Vacuum adiabatic body and refrigerator
 (62) 2018309540

(71) LOWE, T.J.
 (21) 2022200998 (22) 15.02.2022
 (54) ELECTRICAL CONNECTION VALVATION SYSTEM FOR A TRACTOR/TRAILER COMBINATION
 (31) 2102398.1 (32) 19.02.21 (33) GB

(71) Magic Leap, Inc.
 (21) 2022201031 (22) 16.02.2022
 (54) Low profile interconnect for light emitter
 (62) 2017223716

(71) Mallinckrodt Hospital Products IP Limited
 (21) 2022201053 (22) 17.02.2022
 (54) Methods of using inhaled nitric oxide gas for treatment of acute respiratory distress syndrome in children
 (62) 2020202392

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 (21) 2022201052

(71) MAX CO., LTD.
 (21) 2022200971 (22) 14.02.2022
 (54) BINDING MACHINE
 (31) 2021-021732 (32) 15.02.21 (33) JP

(71) MEYER WEST IP PTY LTD; Janicky, H.
 (21) 2022201005 (22) 15.02.2022
 (54) Paver

(71) Microport Orthopedics Holdings Inc.
 (21) 2022200969 (22) 14.02.2022
 (54) Orthopedic surgical guide
 (62) 2019261830

(71) Myriad Genetics, Inc
 (21) 2022200945 (22) 11.02.2022
 (54) CANCER BIOMARKERS
 (62) 2019210509

(71) NATIONAL HEALTH RESEARCH INSTITUTES
 (21) 2022201063 (22) 17.02.2022
 (54) The Method of the Preparation of Fused Multicyclic Compounds

(71) NEC Corporation
 (21) 2022200951 (22) 11.02.2022
 (54) Methods and apparatuses for reference signal transmission and receiving
 (62) 2017391323

(71) NEOS Surgery, S.L.
 (21) 2022201047 (22) 17.02.2022
 (54) Sternal closure assembly
 (62) 2016374395

(71) Nicoventures Trading Limited
 (21) 2022201025 (22) 16.02.2022
 (54) Aerosol generation
 (62) 2019273689

(71) NORITZ CORPORATION
 (21) 2022201039 (22) 17.02.2022
 (54) WATER HEATER WITH DISPLAY FUNCTION AND DISPLAY METHOD THEREOF

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(71) Omya International AG
 (21) 2022201041 (22) 17.02.2022
 (54) Use of mono-substituted succinic anhydride
 (62) 2017299095

(71) Optimum Tracker
 (21) 2022201054 (22) 17.02.2022
 (54) Method for controlling the orientation of a solar module with two photoactive faces
 (62) 2016384284

(71) Opus RV Pty Ltd
 (21) 2022201016 (22) 16.02.2022
 (54) Improvements Relating to Camping Assemblies
 (62) 2017220045

(71) Oticon Medical A/S
 (21) 2022200953 (22) 11.02.2022
 (54) Medical Device
 (31) 21156734.2 (32) 12.02.21 (33) EP

(71) Pennakem Europa
 (21) 2022201003 (22) 15.02.2022
 (54) Process for producing oils and defatted meal by means of solid/liquid extraction
 (62) 2019408740

(71) PepsiCo, Inc.
 (21) 2022200986 (22) 15.02.2022
 (54) Systems and methods for parallel and scalable processing of telemetry data from connected dispensing machines
 (62) 2017269712

(71) PICOTERA ELECTRONICS INC.
 (21) 2022201050 (22) 17.02.2022
 (54) IMPROVING SITUATIONAL AWARENESS, COMMUNICATION, AND SAFETY IN HEARING PROTECTION AND COMMUNICATION SYSTEMS
 (31) 17/177,929 (32) 17.02.21 (33) US

(71) Pinnacle Puzzle Pty Ltd
 (21) 2022200963 (22) 14.02.2022
 (54) A Puzzle Case
 (31) 2021900408 (32) 18.02.21 (33) AU

(71) PORIFERA, INC.
 (21) 2022200930 (22) 11.02.2022
 (54) WATER PURIFICATION SYSTEMS AND METHODS HAVING PRESSURIZED DRAW STREAM
 (62) 2016315943

Prologium Holding Inc. see Prologium Technology Co., Ltd.
 (21) 2022200955

(71) Prologium Technology Co., Ltd.; Prologium Holding Inc.
 (21) 2022200955 (22) 12.02.2022
 (54) Battery Module with Cooling Cartridge and Battery System Thereof
 (31) 110109698 (32) 18.03.21 (33) TW

(71) Raytheon Company
 (21) 2022200985 (22) 15.02.2022
 (54) SEMICONDUCTOR STRUCTURES HAVING REDUCED THERMALLY INDUCED BOW
 (62) 2020369833

(71) RB Health (US) LLC
 (21) 2022201004 (22) 15.02.2022
 (54) PERSONAL CLEANSING COMPOSITIONS AND METHODS OF STABILIZING THE MICROBIOME
 (62) 2016329881

(71) Receptor Holdings, Inc.
 (21) 2022201021 (22) 16.02.2022
 (54) Fast-acting plant-based medicinal compounds and nutritional supplements
 (62) 2017252575

(71) Rockwell Collins, Inc.
 (21) 2022200987 (22) 15.02.2022
 (54) Soldier and surface vehicle heads-up display imagery compensation system to align imagery with surroundings
 (31) 17/174,711 (32) 12.02.21 (33) US

(71) Ross Equipment Australia Pty Ltd; Howard, M.
 (21) 2022200968 (22) 14.02.2022
 (54) FRICTION WEGDE DAMPER STRUCTURE FOR A 3-PIECE BOGIE
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(71) SDB IP Holdings, LLC
 (21) 2022201043 (22) 17.02.2022
 (54) System, method, and apparatus for monitoring restroom appliances
 (62) 2019264578

(71) Shanghai United Imaging Healthcare Co., Ltd.
 (21) 2022200948 (22) 11.02.2022
 (54) System and method for locating target subject
 (62) 2018336556

(71) Silk Road Medical, Inc.
 (21) 2022200974 (22) 14.02.2022
 (54) METHODS AND SYSTEMS FOR ESTABLISHING RETROGRADE CAROTID ARTERIAL BLOOD FLOW
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(71) Smiths Medical ASD, Inc.
 (21) 2022200990 (22) 15.02.2022
 (54) Subcutaneous insertion systems, devices and related methods
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(71) Steed Mifsud Pty Ltd
 (21) 2022200977 (22) 14.02.2022
 (54) GLYCEROL-BASED EPOXY RESINS
 (62) 2017285476

(71) SYSTEM STORMSEAL PTY LTD
 (21) 2022200947 (22) 11.02.2022
 (54) HEAT SHRINK COVERING OF BUILT STRUCTURES AND METHOD
 (62) 2019283982

(71) Techtronic Cordless GP
 (21) 2022200942 (22) 11.02.2022
 (54) Control system for normally-on power too
 (31) 202110233320.1 (32) 03.03.21 (33) CN

(71) Techtronic Cordless GP
 (21) 2022200960 (22) 14.02.2022
 (54) Fluid delivery systems for use with power tools
 (31) 63/156,132 (32) 03.03.21 (33) US

(71) Terra Quantum AG
 (21) 2022201029 (22) 16.02.2022
 (54) METHOD AND SYSTEM FOR QUANTUM KEY DISTRIBUTION
 (31) 21157942.0 (32) 18.02.21 (33) EP
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 21168449.3 14.04.21 EP

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 (21) 2022201032 (22) 16.02.2022
 (54) LONG-DISTANCE QUANTUM KEY DISTRIBUTION
 (31) 21157942.0 (32) 18.02.21 (33) EP
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(71) The Broad Institute, Inc.; Massachusetts Institute of Technology
 (21) 2022201052 (22) 17.02.2022
 (54) CRISPR-Cas systems and methods for altering expression of gene products
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 (62) 2020200128

(71) Transportation IP Holdings, LLC
 (21) 2022200979 (22) 15.02.2022

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 (54) ALIGNMENT SYSTEM AND ASSOCIATED METHOD
 (31) 17/542,966 (32) 06.12.21 (33) US
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(71) TZANG, R.; LANE, H.; Excelsior Pharmatech Labs
 (21) 2022201030 (22) 16.02.2022
 (54) BENZOIC ACID OR A SALT AND DERIVATIVE THEREOF FOR USE IN PREVENTING OR TREATING ANTI-N-METHYL-D-ASPARTATE RECEPTOR ENCEPHALITIS
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(71) Under The Roof Decorating Inc.
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 (54) Hanging member
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 (21) 2022201014 (22) 16.02.2022
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(71) Yeoh Lim, K.C.
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 (54) Battery Charging System and Method
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 (54) Reference signal transmission method and device
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| 2022200966 | Apple Inc. | 2022201042 | Intervet International B.V. |
| 2022200967 | Vyera Pharmaceuticals, LLC | 2022201043 | SDB IP Holdings, LLC |
| 2022200968 | Ross Equipment Australia Pty Ltd; Howard, M. | 2022201044 | Xynomic Pharmaceuticals, Inc. |
| 2022200969 | Microport Orthopedics Holdings Inc. | 2022201045 | Children's National Medical Center |
| 2022200970 | Aristocrat Technologies, Inc. | 2022201046 | Idera Pharmaceuticals, Inc. |
| 2022200971 | MAX CO., LTD. | 2022201047 | NEOS Surgery, S.L. |
| 2022200972 | Ausplow Pty. Ltd. | 2022201049 | Apple Inc. |
| 2022200973 | Envisics Ltd | 2022201050 | PICOTERA ELECTRONICS INC. |
| 2022200974 | Silk Road Medical, Inc. | 2022201051 | Globeride, Inc. |
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| 2022200976 | Celularity Inc. | 2022201053 | Mallinckrodt Hospital Products IP Limited |
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| 2022200978 | Ecolab USA Inc. | 2022201055 | Bay6 Solutions Inc |
| 2022200979 | Transportation IP Holdings, LLC | 2022201056 | Factor Bioscience Inc. |
| 2022200980 | CFPH, LLC | 2022201057 | Abbott Diabetes Care Inc. |
| 2022200981 | British American Tobacco (Investments) Limited | 2022201058 | HighlightII Pharmaceutical (Hainan) Co., Ltd |
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| 2022200990 | Smiths Medical ASD, Inc. | 2022201064 | LG ELECTRONICS INC. |
| 2022200991 | Hendrickson USA, L.L.C. | 2022201065 | Lantheus Medical Imaging, Inc. |
| 2022200992 | HeartSine Technologies Limited | 2022201067 | GENENTECH, INC. |
| 2022200993 | Ethicon, Incorporated | | |
| 2022200994 | 2MT Mining Products Pty Ltd | | |
| 2022200996 | DePuy Synthes Products, Inc. | | |
| 2022200997 | Vivra International Pty. Ltd. | | |
| 2022200998 | LOWE, T.J. | | |
| 2022200999 | BEBAT vzw | | |
| 2022201000 | Cancer Targeted Technology LLC | | |
| 2022201001 | Brentwood Industries, Inc. | | |
| 2022201002 | JONES, K. | | |
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| 2022201004 | RB Health (US) LLC | | |
| 2022201005 | MEYER WEST IP PTY LTD; Janicky, H. | | |

Innovation Patent Applications Filed**Name Index**

Applications listed below were processed through the Patent Office Canberra during the period ending 15 Feb 2022 .
(This list may contain multiple listings of a patent application where there are multiple applicants for that patent.)

(71) BLASTONE TECHNOLOGY PTY LTD
(21) 2022100036 **(22)** 21.02.2022
(54) AN IMPROVED BLAST NOZZLE
(62) PCT/AU2021/050827

Numerical Index

2022100036 BLASTONE TECHNOLOGY PTY LTD

Applications Lapsed, Refused Or Withdrawn, Patents Ceased or Expired

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

The codes next to each number have the following meanings:

Code Meaning

- 1 Application Lapsed Section 142(2)(a)
- 3 Application Lapsed Section 142(2)(c)
- 4 Application Lapsed Section 142(2)(d)
- 5 Application Lapsed Section 142(2)(e)
- 6 Application Lapsed Section 142(2)(f)/Reg. 13.5A(2)/Reg. 8.3(3)
- 7 Application Lapsed Reg. 3.2A(3)/Reg. 3.2C
- 8 Application Lapsed Reg. 3.4(6)
- 9 Application Lapsed Section 142(3)
- 11 Application Lapsed Section 148(1)(c)
- 12 Application Withdrawn Section 141(1)
- 13 Application Withdrawn Section 141(2)/Reg 13.1C\Section 141(3)/See Reg 8.3(2)
- 14 Patent Ceased Section 143(a), or Expired
- 15 Patent Ceased Section 143(b)
- 16 Application Refused
- 17 Application Lapsed Reg. 22.2B(2)
- 18 Application Lapsed Reg. 3.2B(3),(5) or (6)
- 20 Patent Ceased Section 143A(b)/Reg. 22.2D(2) or (4)
- 21 Patent Ceased Section 101C(b)/Section 143A(c)/Reg. 9A.4
- 22 Patent Ceased Section 143A(d), or Expired
- 23 Patent Ceased Section 143A(e)
- 24 Application Lapsed Reg. 22.2E(2)
- 25 Application Lapsed Reg. 22.2I(2)
- 26 Application Lapsed Reg. 3.5AC(11)
- 27 Application Lapsed Reg. 3.5AF(2F)
- 28 Application Lapsed Reg. 22.15A(3)

- A Applications on which examination has not been requested or directed
- B Applications on which a direction to request examination has been given
- C Applications on which examination has been requested or on which an examination report has been issued
- D Applications which have been accepted or advertised accepted
- E Patents on which an examination has not been requested
- F Patents on which an examination has been requested or report issued
- G Patents Certified

- N Applications not Open to Public Inspection

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Assignments before Grant, Section 113

2016

2016295601 CAFA Therapeutics Limited The application has been assigned to **CRAGE medical Co., Limited**

2016304060 CAFA Therapeutics Limited The application has been assigned to **CRAGE medical Co., Limited**

2016312015 CAFA Therapeutics Limited The application has been assigned to **CRAGE medical Co., Limited**

2017

2017243872 Anteo Technologies Pty Ltd The application has been assigned to **Anteo Energy Technology Pty Ltd**

2017294276 CAFA Therapeutics Limited The application has been assigned to **CRAGE medical Co., Limited**

2017346318 Fugro Technology B.V. The application has been assigned to **FNV IP B.V.**

2018

2018209012 CAFA Therapeutics Limited The application has been assigned to **CRAGE medical Co., Limited**

2018273740 Mir Limited The application has been assigned to **RTEKK HOLDINGS LIMITED**

2019

2019271819 CAFA Therapeutics Limited The application has been assigned to **CRAGE medical Co., Limited**

2019286406 Kentucky BioProcessing, Inc. The application has been assigned to **KBIO HOLDINGS LIMITED**

Assignments before Grant, Section 113**2020**

2020224649 KOHEN, Ran Roland The application has been assigned to **SQL Technologies Corp.**

2020299138 Swanberg, David; Korenko, Michael The application has been assigned to **VIVOS, INC.**

2020320298 Mean Green Products, LLC The application has been assigned to **Generac Power Systems, Inc.**

2021

2021221843 Professional Built Group Pty Ltd The application has been assigned to **IBUILT (AUSTRALIA) PTY LTD**

2021902781 Professional Built Group Pty Ltd The application has been assigned to **IBUILT (AUSTRALIA) PTY LTD**

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

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

2010

2010202942 **Fusion Holdings Limited** An application to extend the time from 12 Jul 2021 to 12 Feb 2022 in which to pay a renewal fee has been filed . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2012

2012290180 **SECURITY BANK HOLDINGS, LLC** An application to extend the time from 31 Jul 2020 to 30 Nov 2021 in which to pay a renewal fee has been filed . Address for service - AJ PARK Level 24, Tower 2, Darling Park 201 Sussex St Sydney NSW 2000 AU

2014

2014101621 **Aubin, P.** An application to extend the time from 02 May 2021 to 02 Jan 2022 in which to pay a renewal fee has been filed . Address for service - Paul John Aubin PO BOX 13 CAIRNS QLD 4870 AU

2016

2016274532 **Bitdefender IPR Management Ltd** An application to extend the time from 07 Jun 2021 to 07 Feb 2022 in which to pay a renewal fee has been filed . Address for service - Phillips Ormonde Fitzpatrick PO Box 323 COLLINS STREET WEST VIC 8007 AU

2017

2017290558 **Regents of the University of Minnesota** An application to extend the time from 03 Jul 2021 to 03 Feb 2022 in which to pay a continuation fee has been filed . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2019

2019100795 **Tung Hing Plastic Manufactory Limited** An application to extend the time from 22 Jul 2021 to 22 Feb 2022 in which to pay a re-

Extensions of Time, Section 223

newal fee has been filed . Address for service - Golja Haines & Friend PO Box 1014 South Perth WA 6951 AU

2019200148 **Victaulic Company** An application to extend the time from 22 Nov 2020 to 22 Jan 2022 in which to pay a renewal fee has been filed . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2019279940 **JP Laboratories Inc.** An application to extend the time from 04 Jun 2021 to 04 Jan 2022 in which to pay a continuation fee has been filed . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2020

2020286230 **GEORGETOWN UNIVERSITY** An application to extend the time from 02 May 2021 to 02 Jan 2022 in which to pay a continuation fee has been filed . Address for service - Griffith Hack GPO Box 4164 Sydney NSW 2001 AU

Applications Allowed - Section 223(2)**2007**

2007205726 **MacDon Industries Ltd.** The time in which to pay a renewal fee has been extended to 09 Sep 2021 . Address for service - IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD PO Box 1321 SPRINGWOOD QLD 4127 AU

2016

2016374425 **3-D Matrix, Ltd.** The time in which to pay the acceptance fee has been extended to 21 Feb 2022 . Address for service - Pizzey's Patent and Trade Mark Attorneys Pty Ltd GPO Box 1374 Brisbane QLD 4001 AU

2018

2018454263 **PHARMACEUTICAL ORIENTED SERVICES LTD; REMEDICA LTD** The time in which to enter the National Phase has been extended to 20 Nov 2021 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2019

2019215084 **Surface Tech LLC** The time in which to request examination has been extended to 09 Feb 2022 . Address for service - Acacia Law PO Box 1279 Milton QLD 4064 AU

2019451415 **WU, Qinfa** The time in which to enter the National Phase has been extended to 15 Feb 2022 . Address for service - Remarkable IP PO Box 207 Queenstown Otago 9348 NZ

2020

2020203205 **Syngenta Participations AG** The time in which to pay a continuation fee and gain acceptance has been extended to 13 May 2022 . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

2021

2021269387 **Waters, T.** The time in which to make a further application for a divisional patent has been extended to 03 Dec 2021 . Address for service - Lance Arthur Roman-Miller PO Box R813 Royal Exchange NSW 1225 AU

Extensions of Time, Section 223

2022

2022200146 **W. L. Gore & Associates, Inc.** The time in which to make a further application for a divisional patent has been extended to 30 Jan 2022 . Address for service - Griffith Hack Level 10 161 Collins St MELBOURNE VIC 3000 AU

2022200147 **W. L. Gore & Associates, Inc.** The time in which to make a further application for a divisional patent has been extended to 30 Jan 2022 . Address for service - Griffith Hack Level 10 161 Collins St MELBOURNE VIC 3000 AU

2022200277 **Rush University Medical Center** The time in which to make a further application for a divisional patent has been extended to 26 Jan 2022 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2022200584 **Mobile Electronics Inc.** The time in which to make a further application for a divisional patent has been extended to 27 Feb 2022 . Address for service - LESICAR MAYNARD ANDREWS PTY LTD PO BOX 2545 KENT TOWN SA 5071 AU

2022200776 **Action Sports Equipment Pty Ltd** The time in which to make a further application for a divisional patent has been extended to 13 Feb 2022 . Address for service - Acacia Law PO Box 1279 Milton QLD 4064 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.

2015

2015274506 Homogenous antibody drug conjugates via enzymatic methods **CSPC Dophen Corporation** The nature of the amendment is as shown in the statement(s) filed 07 Jan 2022 . Address for service - FB Rice Pty Ltd L 23 44 Market St Sydney NSW 2000 AU

2016

2016311288 Fan-shaped vehicle awning **Fiamma S.p.A.** The nature of the amendment is as shown in the statement(s) filed 31 Dec 2021 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2016362597 Vaccination with MICA/B alpha 3 domain for the treatment of cancer **Dana-Farber Cancer Institute, Inc.** The nature of the amendment is as shown in the statement(s) filed 02 Feb 2022 . Address for service - Spruson & Ferguson Level 24 Tower 2 Darling Park 201 Sussex Street Sydney NSW 2000 AU

2016373020 Method of processing a digital image, device, terminal equipment and computer program associated therewith **b<>com** The nature of the amendment is: Amend the name of the applicant

Amendments

to read Fondation B-Com . Address for service - Phillips Ormonde Fitzpatrick PO Box 323 COLLINS STREET WEST VIC 8007 AU

2016404864 Regulation of feed efficiency and methane production in ruminating animals **The State of Israel, Ministry of Agriculture & Rural Development, Agricultural Research Organization (ARO) (Volcani Center)** The nature of the amendment is: Amend the applicants name to read The State of Israel, Ministry of Agriculture & Rural Development, Agricultural Research Organization (ARO) (Volcani Institute) . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2017

2017227585 Topical cyclosporine-containing formulations and uses thereof **Sun Pharma Global FZE** The nature of the amendment is as shown in the statement(s) filed 11 Feb 2022 . Address for service - Phillips Ormonde Fitzpatrick PO Box 323 COLLINS STREET WEST VIC 8007 AU

2017261291 Substituted imidazo[1,2-b]pyridazines, substituted imidazo[1,5-b]pyridazines, related compounds, and their use in the treatment of medical disorders **BIAL - R&D INVESTMENTS, S.A.** The nature of the amendment is as shown in the statement(s) filed 09 Feb 2022 . Address for service - Pizzey Patent and Trade Mark Attorneys Pty Ltd GPO Box 1374 Brisbane QLD 4001 AU

2017267634 Cationic sulfonamide amino lipids and amphiphilic zwitterionic amino lipids **The Board of Regents of The University of Texas System** The nature of the amendment is as shown in the statement(s) filed 18 Feb 2022 . Address for service - Pizzey Patent and Trade Mark Attorneys Pty Ltd GPO Box 1374 Brisbane QLD 4001 AU

2017325118 Multipurpose graphene-based composite **The University of Adelaide** The nature of the amendment is as shown in the statement(s) filed 15 Feb 2022 . Address for service - Davies Collision Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

2017335710 Microfluidic device **Tel-Array Diagnostics Inc.** The nature of the amendment is as shown in the statement(s) filed 10 Feb 2022 . Address for service - Griffith Hack Level 10 161 Collins St MELBOURNE VIC 3000 AU

2017345923 Bicyclic nitrogenated heterocyclic derivative and pharmaceutical composition containing same **Shionogi & Co., Ltd.** The nature of the amendment is: Amend the name of the inventor to read Masuda, Koji; Sugiyama, Shuichi; Kojima, Eiichi; Ogawa, Tomoyuki; Kobayashi, Naotake and Kai, Hiroyuki . Address for service - Davies Collision Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

2017365111 Compositions and methods for the treatment of fungal infections **Cellix Bio Private Limited** The nature of the amendment is as shown in the statement(s) filed 07 Feb 2022 . Address for service - Eagar & Associates Pty Ltd Suite 2 35-39 Scarborough Street Southport QLD 4215 AU

2019

2019205297 Knife assemblies for slicing machines and machines equipped therewith **Urschel Laboratories, Inc. ; PepsiCo, Inc.** The nature of the amendment is: Amend the name of the inventors to read BAXTER, Corey Everette; JACKO, Michael Scot; RUST, Ryan Andrew and BARBER, Keith Alan . Address for service - KINGS PATENT

Amendments

& TRADE MARKS ATTORNEYS PTY LTD PO Box 128 Aspley QLD 4034 AU

2020

2020202618 FXR (NR1H4) modulating compounds **Gilead Sciences, Inc.** The nature of the amendment is as shown in the statement(s) filed 15 Feb 2022 . Address for service - FPA Patent Attorneys Pty Ltd Level 46 101 Collins Street Melbourne VIC 3000 AU

2020207880 Polymorphic and amorphous forms of (R)-2-hydroxy-2-methyl-4-(2,4,5-trimethyl-3,6-dioxocyclohexa-1,4-dienyl)butanamide **PTC Therapeutics, Inc.** The nature of the amendment is as shown in the statement(s) filed 14 Feb 2022 . Address for service - FB Rice Pty Ltd Level 23, 44 Market Street Sydney NSW 2000 AU

2021

2021107140 An awning assembly and method of use **Heka Hoods IP Pty Ltd** The nature of the amendment is: Add inventor KORDICK, YVETTE . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2021107510 A method for electronic identity verification and management **Data Zoo Pty Limited** The nature of the amendment is: Amend the name of the inventor to read Anwar, Memoona and Fitzgibbon, Antony . Address for service - KINGS PATENT & TRADE MARKS ATTORNEYS PTY LTD PO Box 128 Aspley QLD 4034 AU

Amendments Made**2015**

2015328411 **Dana-Farber Cancer Institute, Inc.** The nature of the amendment is as shown in the statement(s) filed 16 Nov 2021

2016

2016225796 **IGT** The nature of the amendment is as shown in the statement(s) filed 08 Nov 2021

2016267960 **The a2 Milk Company Limited** The nature of the amendment is: Add the name of a co-inventor as TRIVEDI, Malav Suchin

2016283018 **AbbVie Inc.** The nature of the amendment is as shown in the statement(s) filed 18 Nov 2021

2016370487 **The Trustees of the University of Pennsylvania** The nature of the amendment is as shown in the statement filed 17 Nov 2021

2017

2017248276 **Oyster Point Pharma, Inc.** The nature of the amendment is: Amend the name of a co-inventor to read ACKERMANN JR., Douglas Michael

2017258781 **FGH Biotech, Inc.** The nature of the amendment is as shown in the statement filed 16 Nov 2021

2017266758 **Octapharma AG** The nature of the amendment is as shown in the statement(s) filed 10 Nov 2021

Amendments

2017321575 **NTT DOCOMO, INC.** The nature of the amendment is as shown in the statement(s) filed 17 Nov 2021

2017348743 **National University Corporation Tottori University; Trans Chromosomics, Inc.** The nature of the amendment is as shown in the statement(s) filed 09 Nov 2021

2018

2018205019 **Zedira GmbH** The nature of the amendment is as shown in the statement(s) filed 22 Nov 2021

2018251183 **SIWA Corporation** The nature of the amendment is: Amend the priority details to read as a Divisional Application of 2017219749

2018256756 **Price Holyoake (NZ) Limited** The nature of the amendment is: Application is to proceed under the number 2018102236

2018278771 **Neuronano AB** The nature of the amendment is: Amend the name of the inventor to read Schouenborg, Jens; Thelin, Jonas and Mohsin, Mohammed

2018310374 **Shanghai Hongyan Returnable Transit Packagings Co., Ltd.** The nature of the amendment is as shown in the statement filed 11 Nov 2021

2018356262 **Inventio AG** The nature of the amendment is as shown in the statement(s) filed 18 Nov 2021

2018405072 **Shanghai Cloudpick Smart Technology Co., Ltd.** The nature of the amendment is: Application is to proceed under the number 2018102235

2018449531 **Lochterra Inc.** The nature of the amendment is as shown in the statement(s) filed 19 Nov 2021

2019

2019210430 **Huawei Technologies Co., Ltd.** The nature of the amendment is: Amend the invention title to read DATA SENDING OR RECEIVING METHOD AND COMMUNICATIONS DEVICE

2019214536 **Luxottica S.r.l.** The nature of the amendment is as shown in the statement filed 21 Oct 2021

2019257544 **Kyndi, Inc.** The nature of the amendment is as shown in the statement filed 24 Nov 2021

2019258487 **Shell Internationale Research Maatschappij B.V.** The nature of the amendment is: Amend the name of a co-inventor to read WORTHINGTON, Eduard Alexander

2019311999 **IHI Corporation** The nature of the amendment is: Amend the invention title to read Method of bonding metal members and metal member joint body

2019316332 **DAIHEN Corporation** The nature of the amendment is: Amend the invention title to read Grid interconnection system, interconnection control device, and grid interconnection method

Amendments

2019368946 **HotaluX, Ltd.** The nature of the amendment is: Amend the invention title to read RUNWAY-EMBEDDED FLASH LIGHTING DEVICE AND HEAT CONDUCTING MEMBER

2019384784 **Kuraray Noritake Dental Inc.** The nature of the amendment is: Amend the invention title to read Dental Cleaner and Dental Remover for Temporary Adhesives

2019388549 **PGM Recovery Systems, Inc.** The nature of the amendment is: Amend the name of the inventor to read SCHWENK, Edmund

2019461059 **Nippon Telegraph and Telephone Corporation** The nature of the amendment is: Amend the invention title to read Secure softmax function calculation system, secure softmax function calculation apparatus, secure softmax function calculation method, secure neural network calculation system, secure neural network learning system, and program

2019461061 **Nippon Telegraph and Telephone Corporation** The nature of the amendment is: Amend the invention title to read Secure gradient descent computation method, secure deep learning method, secure gradient descent computation system, secure deep learning system, secure computation apparatus, and program

2019462239 **Amicro Semiconductor Co., Ltd.** The nature of the amendment is: Amend the invention title to read Method for Correcting Determination Threshold of Floor Medium and Method of Detecting Thereof

2019472715 **Fujikura Ltd.** The nature of the amendment is: Amend the invention title to read INTERMITTENTLY CONNECTED OPTICAL FIBER RIBBON AND METHOD FOR MANUFACTURING INTERMITTENTLY CONNECTED OPTICAL FIBER RIBBON

2020

2020102685 **Boehringer Ingelheim Vetmedica GmbH** The nature of the amendment is as shown in the statement(s) filed 14 Oct 2021

2020200567 **Road Widener LLC** The nature of the amendment is as shown in the statement filed 15 Nov 2021

2020204212 **Aquestive Therapeutics, Inc.** The nature of the amendment is as shown in the statement filed 04 Nov 2021

2020204419 **ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI; THE ROCKEFELLER UNIVERSITY** The nature of the amendment is: Amend the name of the inventor to read SCHAEFER, Anne; GREENGARD, Paul and TAN, Chan Lek

2020205266 **QUANTA ASSOCIATES, L.P.** The nature of the amendment is: Amend the invention title to read Method and apparatus for providing temporary support and a means for relocating energized electrical conductors

2020205314 **Becton, Dickinson and Company** The nature of the amendment is as shown in the statement filed 10 Nov 2021

2020211862 **Komatsu Ltd.** The nature of the amendment is: Amend the invention title to read System and method for work machine

Amendments

2020237854 **Daikin Industries, Ltd.** The nature of the amendment is: Amend the invention title to read DEVICE-REGISTRATION-OPERATION ASSISTING APPARATUS

2020256682 **Centenary Institute of Cancer Medicine and Cell Biology; University of Sydney** The nature of the amendment is: Amend the name of the inventor to read HOGG, Philip and HO SHON, Ivan

2020281142 **Deere & Company** The nature of the amendment is: Add the name of a co-inventor as Giesmann, Kendall L.

2020283299 **Taiho Pharmaceutical Co., Ltd.** The nature of the amendment is: Amend the invention title to read Combination treatment of cancer using sulfonamide compound and immune regulator

2020290268 **Agro-Kanesho Co., Ltd.** The nature of the amendment is as shown in the statement(s) filed 20 Jan 2022

2020314315 **Obshchestvo S Ogranichennoy Otvetstvennost'yu "Obedinennaya Kompaniya Rusal Inzhenerno- tekhnologicheskii Tsentr"** The nature of the amendment is: Amend the invention title to read METHOD FOR THE PRODUCTION OF A GALLATE SOLUTION

2020317327 **Huawei Digital Power Technologies Co., Ltd.** The nature of the amendment is: Amend the invention title to read Step-Up Circuit and Step-Up Circuit Control Method

2020317482 **Tokyo Gas Co., Ltd.; The University of Tokyo** The nature of the amendment is: Amend the invention title to read Methane production apparatus, methane production method, carbon dioxide recovery apparatus, and carbon dioxide recovery method

2020321953 **Deverra Therapeutics Inc.** The nature of the amendment is: Amend the name of the inventor to read DELANEY, Colleen; STOLTZMAN, Carrie; DAM, Elizabeth and PRIEVE, Mary

2020322440 **Mina Therapeutics Limited; The Wistar Institute of Anatomy and Biology** The nature of the amendment is as shown in the statement filed 25 Jan 2022

2020323657 **Huawei Digital Power Technologies Co., Ltd.** The nature of the amendment is: Amend the invention title to read FAULT ISOLATION APPARATUS, DIRECT CURRENT BOOST APPARATUS, AND INVERTER APPARATUS

2020324259 **First Point A.S.** The nature of the amendment is as shown in the statement(s) filed 01 Feb 2022

2020331453 **Huawei Digital Power Technologies Co., Ltd.** The nature of the amendment is: Amend the invention title to read METHOD, APPARATUS, AND SYSTEM FOR DETECTING SOLAR CELL OF PHOTOVOLTAIC PLANT

2020337184 **Vale S.A.** The nature of the amendment is: Amend the invention title to read Process of obtaining powdered sodium silicate from sand tailings originated from the iron ore concentration process

2021

2021104745 **PPG Industries Ohio, Inc.** The nature of the amendment is: Amend the name of the inventor to read MARTINEZ, Anahi L.;

Amendments

LACY, Rachel D.; VANDERLINDE, Courtney J.; VELLIS, Christopher J. and PENA CANTON, Jesus

2021204463 **Lochterra Inc.** The nature of the amendment is as shown in the statement(s) filed 29 Oct 2021

2021212853 **Toyobo Co., Ltd.; Toyobo Stc Co., Ltd.** The nature of the amendment is: Amend the invention title to read BIOLOGICAL INFORMATION MEASURING GARMENT FOR CATTLE

2021225632 **LG Energy Solution, Ltd.** The nature of the amendment is: Amend the invention title to read Apparatus and method for providing battery information

2021229121 **FrieslandCampina Nederland B.V.** The nature of the amendment is: Add the names of co-inventors as Harrison, Kathleen Linehan; Wood, Kenneth Wayne and Miller, Aaron Wesley

2021250959 **McCormick & Company, Incorporated** The nature of the amendment is as shown in the statement(s) filed 20 Oct 2021

2021291481 **ITSUKI, Y.; Okada Medical Supply Co., Ltd.** The nature of the amendment is: Amend the invention title to read ORTHODONTIC APPLIANCE AND PLIERS FOR ORTHODONTICS

2021900425 **MTI Group Pty Ltd** The nature of the amendment is: Application is to proceed under the number 2021107658

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

2009

2009257572 Vivus, Inc. The name of the patentee has been altered to **VIVUS LLC**

2009257573 Vivus, Inc. The name of the patentee has been altered to **VIVUS LLC**

2013

2013362789 Trillium Therapeutics Inc. The name of the patentee has been altered to **Trillium Therapeutics ULC**

2015

2015258900 Vivus, Inc. The name of the patentee has been altered to **VIVUS LLC**

2016

2016203698 Vivus, Inc. The name of the patentee has been altered to **VIVUS LLC**

2016205974 BioNTech AG; Genmab A/S The name of the applicant has been altered to **BioNTech SE; Genmab A/S**

2016207046 Vivus, Inc. The name of the patentee has been altered to **VIVUS LLC**

2016288816 Renewable Energy Dynamics Technology Ltd (dublin, Ireland) The name of the applicant has been altered to **INVINITY ENERGY SYSTEMS (IRELAND) LIMITED**

Amendments

2016308568 Vivus, Inc. The name of the applicant has been altered to **VIVUS LLC**

2017

2017201303 HALFEN GmbH The name of the applicant has been altered to **Leviat GmbH**

2017201305 HALFEN GmbH The name of the applicant has been altered to **Leviat GmbH**

2017361124 Asto CT, Inc. The name of the applicant has been altered to **Centaur Health Holdings, Inc.**

2018

2018202495 HALFEN GmbH The name of the applicant has been altered to **Leviat GmbH**

2018337070 Asto CT, Inc. The name of the applicant has been altered to **Centaur Health Holdings, Inc.**

2019

2019257534 Glenmark Pharmaceuticals S.A. The name of the applicant has been altered to **Ichnos Sciences SA**

2019294228 Vasonics, LLC The name of the applicant has been altered to **Vasonics, Inc**

2020

2020202119 Trillium Therapeutics Inc. The name of the applicant has been altered to **Trillium Therapeutics ULC**

2020304536 Binary LLC The name of the applicant has been altered to **Binary, LLC**

2020315579 L'air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procédes George Claude; Air Liquide Advanced Technologies U.S. LLC The name of the applicant has been altered to **L'Air Liquide Société Anonyme pour l'Etude et l'Exploitation des Procédés Georges Claude; Air Liquide Advanced Technologies U.S. LLC**

2020315842 Venostent, Inc.; Candice Sears The name of the applicant has been altered to **Venostent, Inc.**

2021

2021204029 The Climate Corporation The name of the applicant has been altered to **Climate LLC**

2021240147 Baxter International Inc.; Baxter Healthcare SA The name of the applicant has been altered to **Baxter International Inc.; Baxter Healthcare SA**

2021900358 3 Bright Minz Pty Ltd The name of the applicant has been altered to **Renewable Metals Company Pty Ltd**

2021902194 Commonwealth Scientific and Industrial Research Organisation; Exios Bio LLS The name of the applicant has been

Amendments

altered to **Commonwealth Scientific and Industrial Research Organisation; Exios Bio LLC**

2022

2022200571 BioNTech AG; Genmab A/S The name of the applicant has been altered to **BioNTech SE; Genmab A/S**

Applications Open to Public Inspection

Name Index

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

AbbVie Inc. see Calico Life Sciences LLC

(21) 2022200946

(71) Acerta Pharma B.V.
 (11) AU-A-2022200828
 (21) 2022200828 (22) 09.02.2022
 (54) PROCESSES FOR THE PREPARATION OF 4-{8-AMINO-3-[(2S)-1-(BUT-2-YNOYL)-PYRROLIDIN-2-YL]IMIDAZO[1,5-A]PYRAZIN-1-YL}N-(PYRIDIN-2-YL)-BENZAMIDE
 (51) Int. Cl.
C07D 213/75 (2006.01)
C07D 487/04 (2006.01)

(43) 03.03.2022

(62) 2019332882

(72) Bethel, Paul Allen; Chan, Lai Chun; Cooper, Katie Grace; Cox, Robert John; Golden, Michael David; Hughes, Shaun Alan; Jackson, Lucinda Victoria; Millard, Kirsty Jane; Phillips, Andrew John; Telford, Alexander James; Everts, Jerry; Lawler, Michael Joseph; Litjens, Remy E.J.N.; Van Eijk, Peter Johannes Servaas Savio; Verstappen, Mathilda Maria Henrica; Vos, Frank L.M.; Zijp, Eric Jurriën; Junying, Qiu; Wang, Angang; Garrey, Rustam Ferdinand; Short, David Allen

(74) Phillips Ormonde Fitzpatrick

(71) Acorn Engineering Company

(11) AU-A-20221215282

(21) 2021215282 (22) 13.08.2021

(54) Compact water bottle filling station and retrofitting method

(51) Int. Cl.

E03B 9/20 (2006.01)

(31) 63/065,169 (32) 13.08.20 (33) US

(43) 03.03.2022

(72) Morris, Donald E.; Boeltl, Darryl M.

(74) Spruson & Ferguson

(71) AgaMatrix, Inc.

(11) AU-A-2022200894

(21) 2022200894 (22) 10.02.2022

(54) ANALYTE DETECTION METER AND ASSOCIATED METHOD OF USE

(51) Int. Cl.

G01N 27/327 (2006.01)

G01N 33/487 (2006.01)

(43) 03.03.2022

(62) 2020202286

(72) IYENGAR, Sridhar; HARDING, Ian; WILLIAMS, Richard; CAI, Hua Kevin

(74) AJ PARK

(71) All Style Engineering Pty Ltd

(11) AU-A-2021206797

(21) 2021206797 (22) 19.07.2021

(54) Frame construction assembly

(51) Int. Cl.

E06B 1/18 (2006.01)

E06B 3/26 (2006.01)

E06B 3/58 (2006.01)

E06B 3/62 (2006.01)

E06B 3/64 (2006.01)

E06B 3/70 (2006.01)

E06B 1/56 (2006.01)

E06B 3/02 (2006.01)

E06B 3/54 (2006.01)

E06B 3/74 (2006.01)

E06B 3/76 (2006.01)

E06B 3/78 (2006.01)

E06B 9/52 (2006.01)

(31) 2020902876 (32) 13.08.20 (33) AU

(43) 03.03.2022

(72) BAILEY, David Robert

(74) Patenteur Pty Ltd

(71) AMARIN PHARMACEUTICALS IRELAND LIMITED

(11) AU-A-2022200964

(21) 2022200964 (22) 14.02.2022

(54) COMPOSITIONS AND METHODS FOR LOWERING TRIGLYCERIDES WITHOUT RAISING LDL-C LEVELS

(51) Int. Cl.

C12P 7/64 (2022.01)

(43) 03.03.2022

(62) 2019257464

(72) OSTERLOH, Ian; WICKER, Pierre; BRAECKMAN, Rene; SONI, Paresh; MANKU, Mehar

(74) AJ PARK

(71) Amazentis SA

(11) AU-A-2022200876

(21) 2022200876 (22) 10.02.2022

(54) Enhancing autophagy or increasing longevity by administration of urolithins or precursors thereof

(51) Int. Cl.

C07D 493/00 (2006.01)

A61K 31/00 (2006.01)

A61K 31/366 (2006.01)

A61K 45/06 (2006.01)

A61P 3/04 (2006.01)

A61P 3/06 (2006.01)

A61P 3/10 (2006.01)

A61P 9/00 (2006.01)

A61P 25/00 (2006.01)

A61P 29/00 (2006.01)

A61P 35/00 (2006.01)

A61P 43/00 (2006.01)

C07D 493/06 (2006.01)

(43) 03.03.2022

(62) 2020200420

(72) BLANCO-BOSE, William; SCHNEIDER, Bernard; MOUCHIROUD, Laurent; RYU, Dongryeol; ANDREUX, Penelope; AUWERX, Johan; RINSCH, Christopher L.

(74) Spruson & Ferguson

(71) Angel Group Co., Ltd.

(11) AU-A-2022200897

(21) 2022200897 (22) 10.02.2022

(54) TABLE GAME MANAGEMENT SYSTEM AND GAME TOKEN

(51) Int. Cl.

A63F 1/06 (2006.01)

A44C 21/00 (2006.01)

A63F 3/00 (2006.01)

G07F 17/32 (2006.01)

(43) 03.03.2022

(62) 2020205219

(72) Shigeta, Yasushi

(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) Angel Group Co., Ltd.

(11) AU-A-2022200898

(21) 2022200898 (22) 10.02.2022

(54) TABLE GAME SYSTEM

(51) Int. Cl.

A63F 1/14 (2006.01)

A63F 1/12 (2006.01)

A63F 1/18 (2006.01)

G07F 17/32 (2006.01)

A63F 9/24 (2006.01)

(43) 03.03.2022

(62) 2019279960

(72) Shigeta, Yasushi

(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) Apple Inc.

(11) AU-A-2022200900

(21) 2022200900 (22) 11.02.2022

(54) User interface for payments

(51) Int. Cl.

G06Q 20/40 (2012.01)

G06Q 20/32 (2012.01)

G06Q 20/36 (2012.01)

G06Q 20/42 (2012.01)

(43) 03.03.2022

(62) 2020289822

(72) VAN OS, Marcel; DICKER, George R.; STEELE, Glen W.; YANG, Lawrence Y.; CARO, Pablo F.; PITSCHEL, Donald W.; AHN, Charles; TUCKER, Brian; YERKES, Giancarlo; FEDERIGHI, Craig M.; ADAMS, Christopher D.; LEE, Woo-ram; DIEDERICH, Anton K.

(74) FPA Patent Attorneys Pty Ltd

Applications Open to Public Inspection - Name Index cont'd

-
- (71) Apple Inc.
 (11) AU-A-2022200901
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 (54) Methods and interfaces for home media control
 (51) Int. Cl.
H04W 12/50 (2021.01)
H04L 12/28 (2006.01)
H04W 4/029 (2018.01)
H04W 4/80 (2018.01)
H04W 12/06 (2021.01)
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G06T 13/40 (2011.01)
G06T 7/10 (2017.01)
G06T 7/20 (2017.01)
G06T 7/70 (2017.01)
G06T 13/80 (2011.01)
G06T 17/20 (2006.01)
G06T 19/20 (2011.01)
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 (74) FPA Patent Attorneys Pty Ltd
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 (74) FPA Patent Attorneys Pty Ltd
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A01N 43/04 (2006.01)
A61K 31/70 (2006.01)
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G07F 17/32 (2006.01)
A63F 13/798 (2014.01)
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G07F 17/32 (2006.01)
A63F 13/00 (2014.01)
G07F 17/34 (2006.01)
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 (72) BARBALET, Thomas Samuel
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 (54) Systems and methods for detecting a distance between a conducted electrical weapon and a target
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F41H 13/00 (2006.01)
G01B 7/02 (2006.01)
H05C 1/04 (2006.01)

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F41H 13/00 (2006.01)
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G01B 11/02 (2006.01)
A61C 19/04 (2006.01)

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G09G 5/14 (2006.01)
G06F 13/00 (2006.01)
G06Q 50/30 (2012.01)

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C12N 15/82 (2006.01)

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A01N 37/46 (2006.01)
A01N 63/25 (2020.01)
A01P 3/00 (2006.01)
A01P 7/00 (2006.01)

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A61M 39/20 (2006.01)
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A61K 39/44 (2006.01)
A61K 39/395 (2006.01)
A61K 47/64 (2017.01)
A61K 47/66 (2017.01)
A61K 47/68 (2017.01)
A61P 25/00 (2006.01)
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C07K 16/00 (2006.01)

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G01N 1/31 (2006.01)
B01L 3/00 (2006.01)
G01N 1/00 (2006.01)
G01N 1/28 (2006.01)

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A61K 31/415 (2006.01)
A61K 31/4174 (2006.01)

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E21B 33/134 (2006.01)
E21B 36/00 (2006.01)

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 (74) Phillips Ormonde Fitzpatrick

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 (54) CHEMICAL HEAT SOURCES FOR USE IN DOWN-HOLE OPERATIONS
 (51) Int. Cl.
E21B 33/134 (2006.01)
E21B 36/00 (2006.01)

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 (21) 2022200908 (22) 11.02.2022
 (54) Surface cleaning apparatus
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A47L 9/28 (2006.01)

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 (72) PRUIETT, Jason W.
 (74) Griffith Hack

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A61B 1/06 (2006.01)
A61B 5/00 (2006.01)
A61B 5/145 (2006.01)
A61B 8/00 (2006.01)
G01H 9/00 (2006.01)
G01N 21/17 (2006.01)

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 (51) Int. Cl.
H01L 27/28 (2006.01)
G09G 3/00 (2006.01)
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 (72) LI, Chunyan; XU, Chen; WANG, Jingquan
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 (51) Int. Cl.
E02D 33/00 (2006.01)
E02D 5/80 (2006.01)
G01L 5/00 (2006.01)
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 (72) Boguess, Brian C.
 (74) RnB IP Pty Ltd

(71) Boston Scientific Scimed, Inc.
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 (21) 2022200885 (22) 10.02.2022
 (54) Multiple pump system for inflatable penile prosthesis
 (51) Int. Cl.
A61F 2/26 (2006.01)
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F28F 25/08 (2006.01)
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 (62) 2019453241
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 (54) DEPLOYABLE RADIO UNITS
 (51) Int. Cl.
H04B 1/06 (2006.01)

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 (11) AU-A-2022200946
 (21) 2022200946 (22) 11.02.2022
 (54) Modulators of the integrated stress pathway
 (51) Int. Cl.
C07D 213/73 (2006.01)
A61K 31/44 (2006.01)
A61P 35/00 (2006.01)
C07C 235/00 (2006.01)
C07D 213/30 (2006.01)
C07D 213/64 (2006.01)
C07D 213/66 (2006.01)
C07D 231/56 (2006.01)
C07D 237/14 (2006.01)
C07D 237/16 (2006.01)
C07D 241/18 (2006.01)
C07D 261/08 (2006.01)
C07D 261/20 (2006.01)
C07D 271/113 (2006.01)
C07D 317/64 (2006.01)
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 (74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

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 (54) Chelated PSMA inhibitors
 (51) Int. Cl.
C07F 9/6524 (2006.01)
A61K 49/04 (2006.01)
A61K 51/04 (2006.01)
C07F 9/24 (2006.01)
C07F 9/6561 (2006.01)
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 (54) Engineered cascade components and cascade complexes
 (51) Int. Cl.
C12N 15/62 (2006.01)
A61K 48/00 (2006.01)
C12N 9/16 (2006.01)

H04B 1/18 (2006.01)
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 (11) AU-A-2021212046
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 (54) DRILL MAST LOCKING SYSTEM
 (51) Int. Cl.
E21B 15/04 (2006.01)
E21B 7/02 (2006.01)
 (31) 16/991008 (32) 11.08.20 (33) US
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 (72) MOBERG, Carl J.; GLOVER, Rex A.
 (74) FPA Patent Attorneys Pty Ltd

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 (21) 2022200976 (22) 14.02.2022
 (54) Natural killer cells and uses thereof
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C12N 5/07 (2010.01)
C12N 5/078 (2010.01)
C12N 5/0783 (2010.01)
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 (54) Cooling of a space accommodating an occupant in a vehicle
 (51) Int. Cl.
F24F 3/08 (2006.01)
B60H 1/22 (2006.01)
B60H 1/32 (2006.01)
F24F 3/06 (2006.01)
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 (21) 2021201707

(71) CHINA RAILWAY MAJOR BRIDGE ENGINEERING GROUP CO., LTD.; CHINA RAILWAY BRIDGE SCIENCE RESEARCH INSTITUTE, LTD.
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 (21) 2021201707 (22) 18.03.2021
 (54) Vibration Damping Device, Vibration Damping Method and Long-Span Bridge

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F16F 15/10 (2006.01)
E01D 19/00 (2006.01)
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(74) SR Intellectual Property

(71) Clause, Inc.
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(54) System and method for creating and executing data-driven legal contracts
(51) Int. Cl.
G06F 21/10 (2013.01)
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A01K 1/03 (2006.01)
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(72) Harfouche, Gabriel; Harfouche, Kelsie
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(54) Ketone inhibitors of lysine gingipain
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C07D 417/12 (2006.01)
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(51) Int. Cl.
A61B 17/068 (2006.01)
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(54) Controlled-release and stratified cyclodextrin inclusion complex vehicles
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A61K 31/724 (2006.01)
A61K 47/40 (2006.01)
C12N 9/26 (2006.01)
(43) 03.03.2022
(62) 2017214669
(72) CZAP, AI
(74) FB Rice Pty Ltd

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(21) 2022200996 (22) 15.02.2022
(54) Systems and methods for intra-operative image analysis
(51) Int. Cl.
A61B 6/00 (2006.01)
G06K 9/62 (2022.01)
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A61F 2/08 (2006.01)
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A61B 5/00 (2006.01)
A61B 5/145 (2006.01)
A61B 5/1495 (2006.01)
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(54) Methods and kits for detecting an infectious agent
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C12Q 1/68 (2018.01)
C12Q 1/70 (2006.01)

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(54) Improved Subband Block Based Harmonic Transposition
(51) Int. Cl.
G10L 19/02 (2013.01)
G10L 21/038 (2013.01)
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G10L 25/18 (2013.01)
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A01G 3/037 (2006.01)
B26B 13/22 (2006.01)
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G01C 3/08 (2006.01)
G01S 17/02 (2020.01)
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F21V 17/16 (2006.01)
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A61B 5/11 (2006.01)
G08B 21/04 (2006.01)
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H04N 9/47 (2006.01)
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F17D 5/06 (2006.01)
G01M 3/40 (2006.01)
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A61B 5/318 (2021.01)
A61B 5/364 (2021.01)
A61N 1/04 (2006.01)
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A61M 5/178 (2006.01)
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H02G 1/02 (2006.01)
B25J 5/02 (2006.01)
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B25J 9/04 (2006.01)
B25J 9/06 (2006.01)
B25J 9/16 (2006.01)
B25J 15/00 (2006.01)
B25J 15/02 (2006.01)
B61B 7/06 (2006.01)
H02G 7/05 (2006.01)
H02G 7/06 (2006.01)
H02G 7/12 (2006.01)
H02G 7/20 (2006.01)
B25J 13/00 (2006.01)
B25J 18/00 (2006.01)
B25J 18/04 (2006.01)
B25J 19/02 (2006.01)
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B61B 12/02 (2006.01)
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A61P 35/00 (2006.01)
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C04B 18/20 (2006.01)
B09B 3/00 (2022.01)
B29B 9/06 (2006.01)
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A61K 39/00 (2006.01)
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B29C 33/20 (2006.01)
A61F 2/32 (2006.01)
A61F 2/40 (2006.01)
B29C 33/38 (2006.01)
B29C 33/44 (2006.01)

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F16B 13/06 (2006.01)
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F16B 31/02 (2006.01)
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B25C 1/08 (2006.01)
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A61F 2/32 (2006.01)
A61L 27/04 (2006.01)
A61L 27/14 (2006.01)
A61L 27/50 (2006.01)
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A61F 2/32 (2006.01)
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H04W 28/12 (2009.01)
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F01P 7/14 (2006.01)
F16K 1/14 (2006.01)
F16K 15/04 (2006.01)
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H04W 40/24 (2009.01)
H04L 67/10 (2022.01)
H04Q 9/00 (2006.01)
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F21V 33/00 (2006.01)

F21S 9/02 (2006.01)

G08B 7/06 (2006.01)

G08B 19/00 (2006.01)

G08B 17/10 (2006.01)

G09F 27/00 (2006.01)

F21Y 115/10 (2016.01)

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F25D 29/00 (2006.01)

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F25D 29/00 (2006.01)

F25D 17/04 (2006.01)

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G06F 8/76 (2018.01)

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(11) AU-A-2022200859

(21) 2022200859 (22) 10.02.2022

(54) Method for producing oxide particles with controlled color characteristics

(51) Int. Cl.

C01G 9/02 (2006.01)

C01B 13/14 (2006.01)

C01G 49/06 (2006.01)

C09C 1/24 (2006.01)

C09C 3/06 (2006.01)

(43) 03.03.2022

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(72) ENOMURA, Masakazu; HONDA, Daisuke

(74) Spruson & Ferguson

(71) Magic Leap, Inc.

(11) AU-A-2022200824

(21) 2022200824 (22) 08.02.2022

(54) Secure exchange of cryptographically signed records

(51) Int. Cl.

G06F 1/00 (2006.01)

G06F 9/00 (2006.01)

G06F 9/445 (2018.01)

G06F 15/16 (2006.01)

G06F 21/00 (2013.01)

G06Q 20/00 (2012.01)

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(72) Kaehler, Adrian

(74) Davies Collison Cave Pty Ltd

(71) Magic Leap, Inc.

(11) AU-A-2022200841

(21) 2022200841 (22) 09.02.2022

(54) Mixed reality system with multi-source virtual content compositing and method of generating virtual content using same

(51) Int. Cl.

G06T 11/60 (2006.01)

G06F 3/0346 (2013.01)

G06F 3/0481 (2022.01)

G06F 3/0484 (2022.01)

G06T 19/00 (2011.01)

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(74) Davies Collison Cave Pty Ltd

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(71) Mandawewala, A.; Mandawewala, K.A.

(11) AU-A-2021201250

(21) 2021201250 (22) 25.02.2021

(54) POLYMERIC YARN, COMPOSITION AND METHOD

(51) Int. Cl.

D01F 1/10 (2006.01)

C08K 11/00 (2006.01)

(31) 202021034915 (32) 13.08.20 (33) IN

(43) 03.03.2022

(72) Mandawewala, Abhishek Rajesh; Mandawewala, Khushboo Abhishek

(74) Abhishek Rajesh Mandawewala

(71) Mataele, R.; Wiltshire, P.W.

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(21) 2020205325 (22) 28.07.2020

(54) The Wheelie Bin Handle

(51) Int. Cl.

B65F 1/14 (2006.01)

(43) 03.03.2022

(72) Mataele, Roger Sinilau

(74) Roger Sinilau Mataele

(71) MeMed Diagnostics Ltd.

(11) AU-A-2022200802

(21) 2022200802 (22) 07.02.2022

(54) Computational Analysis of Biological Data Using Manifold and a Hyperplane

(51) Int. Cl.

G01N 33/569 (2006.01)

(43) 03.03.2022

(62) 2015302870

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(74) Golja Haines & Friend

(71) Memorial Sloan Kettering Cancer Center

(11) AU-A-2022200931

(21) 2022200931 (22) 11.02.2022

(54) Anti-MUC16 antibodies and uses thereof

(51) Int. Cl.

C07K 16/30 (2006.01)

A61K 39/395 (2006.01)

A61P 35/00 (2006.01)

C12N 15/13 (2006.01)

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(74) FB Rice Pty Ltd

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 (11) AU-A-2022200969
 (21) 2022200969 (22) 14.02.2022
 (54) Orthopedic surgical guide
 (51) Int. Cl.
A61B 17/15 (2006.01)
A61B 17/17 (2006.01)
 (43) 03.03.2022
 (62) 2019261830
 (72) MICHAEL, Carroll; OBERT, Richard;
 STEMNISKI, Paul M.
 (74) Spruson & Ferguson

(71) Moffatt, B.; Sheldon-Coulson, G.
 (11) AU-A-2022200880
 (21) 2022200880 (22) 10.02.2022
 (54) Wave energy device with constricted
 tube and generator pod
 (51) Int. Cl.
F03B 13/10 (2006.01)
F03B 13/00 (2006.01)
F03B 13/12 (2006.01)
 (43) 03.03.2022
 (62) 2017316567
 (72) Moffatt, Brian; Sheldon-Coulson, Garth
 (74) Zone Patents Limited

(71) Myriad Genetics, Inc
 (11) AU-A-2022200945
 (21) 2022200945 (22) 11.02.2022
 (54) CANCER BIOMARKERS
 (51) Int. Cl.
C12Q 1/68 (2018.01)
G01N 33/53 (2006.01)
 (43) 03.03.2022
 (62) 2019210509
 (72) STONE, Steve; GUTIN, Alexander;
 WAGNER, Susanne; REID, Julia
 (74) Arcadia Intellectual Property

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 terial Research Institute Co., Ltd.
 (11) AU-A-2020227121
 (21) 2020227121 (22) 12.08.2020
 (54) Preparation method and application
 of modified starch graft lactic acid oli-
 gomer thermoplastic composite
 (51) Int. Cl.
C08L 3/04 (2006.01)
C08L 67/04 (2006.01)
 (43) 03.03.2022
 (72) CHEN, Changping
 (74) MOHAN MURALI KODIVEL

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 terial Research Institute Co., Ltd.
 (11) AU-A-2020227123
 (21) 2020227123 (22) 12.08.2020
 (54) Polycaprolactone modified starch-
 based biodegradable resin material and
 preparation method thereof
 (51) Int. Cl.
C08L 3/04 (2006.01)
C08L 67/02 (2006.01)
C08L 67/04 (2006.01)

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 (74) MOHAN MURALI KODIVEL

(71) Nemaska Lithium Inc.
 (11) AU-A-2022200858
 (21) 2022200858 (22) 10.02.2022
 (54) PROCESSES FOR PREPARING LITH-
 IUM HYDROXIDE
 (51) Int. Cl.
C25B 1/16 (2006.01)
B01D 61/42 (2006.01)
C01D 15/00 (2006.01)
C22B 3/04 (2006.01)
C25B 15/00 (2006.01)

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 (62) 2019283916
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 Gary; MACKIE, Stephen Charles;
 GLADKOVAS, Mykolas; SYMONS,
 Peter; GENDERS, J. David; MAGNAN,
 Jean-Francois
 (74) AJ PARK

(71) Ocado Innovation Limited
 (11) AU-A-2022200888
 (21) 2022200888 (22) 10.02.2022
 (54) Storage containers, bins and devices
 (51) Int. Cl.
B65G 1/04 (2006.01)
 (43) 03.03.2022
 (62) 2016354627
 (72) LINDBO, Lars Sverker Ture; IN-
 GRAM-TEDD, Andrew John
 (74) Griffith Hack

(71) Oticon Medical A/S
 (11) AU-A-2021215240
 (21) 2021215240 (22) 12.08.2021
 (54) Cochlear Implant System with an Im-
 proved Selection of Temporal Features
 for which to be Coded into Stimulation
 Pulses
 (51) Int. Cl.
H04R 25/02 (2006.01)
A61N 1/36 (2006.01)
G10L 19/022 (2013.01)
G10L 25/45 (2013.01)
H04R 1/10 (2006.01)
 (31) 20191127.8 (32) 14.08.20 (33) EP
 (43) 03.03.2022
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 (74) Golja Haines & Friend

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 (11) AU-A-2022200912
 (21) 2022200912 (22) 11.02.2022
 (54) Container with abrasion resistant rim
 (51) Int. Cl.
B65D 21/02 (2006.01)
B65D 1/10 (2006.01)
B65D 77/20 (2006.01)
 (43) 03.03.2022
 (62) 2016386856
 (72) GRANT, Edward A.
 (74) Spruson & Ferguson

(71) Parasol Medical LLC
 (11) AU-A-2022200833
 (21) 2022200833 (22) 09.02.2022
 (54) Portable pump for negative pressure
 wound therapy
 (51) Int. Cl.
A61M 1/00 (2006.01)
A61M 27/00 (2006.01)
 (43) 03.03.2022
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 Stephens, Jacob D.; Delooff, Camryn
 R.; Kilcran, Michael D.
 (74) Adams Pluck

(71) Pennakem Europa
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 (21) 2022201003 (22) 15.02.2022
 (54) Process for producing oils and defatted
 meal by means of solid/liquid extraction
 (51) Int. Cl.
C11B 1/10 (2006.01)
A23D 9/00 (2006.01)
A23D 9/007 (2006.01)
B01D 11/02 (2006.01)
C11B 3/12 (2006.01)
C11B 3/14 (2006.01)
 (43) 03.03.2022
 (62) 2019408740
 (72) RAPINEL, Vincent; PATOULLARD,
 Norbert; CHEMAT, Farid; FABIANO
 TIXIER, Anne-Sylvie; RUIZ, Karine;
 JACQUES, Laurence
 (74) Spruson & Ferguson

(71) PepsiCo, Inc.
 (11) AU-A-2022200986
 (21) 2022200986 (22) 15.02.2022
 (54) Systems and methods for parallel and
 scalable processing of telemetry data
 from connected dispensing machines
 (51) Int. Cl.
G06F 9/445 (2018.01)
G07F 9/02 (2006.01)
 (43) 03.03.2022
 (62) 2017269712
 (72) GONG, George Xu
 (74) Allens Patent & Trade Mark Attorneys

(71) Pilbara Conveyor Supplies Pty Ltd
 (11) AU-A-2021215214
 (21) 2021215214 (22) 12.08.2021
 (54) Blade assembly
 (51) Int. Cl.
B65G 45/12 (2006.01)
 (31) 2020902852 (32) 12.08.20 (33) AU
 (43) 03.03.2022
 (72) Morris, Jack Joseph
 (74) MINTER ELLISON

(71) PORIFERA, INC.
 (11) AU-A-2022200930
 (21) 2022200930 (22) 11.02.2022
 (54) WATER PURIFICATION SYSTEMS
 AND METHODS HAVING PRESSUR-
 IZED DRAW STREAM
 (51) Int. Cl.

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(62) 2016315943
(72) BENTON, Charles; DESORMEAUX, Erik; BAKAJIN, Olgica
(74) Pipers Intellectual Property

(71) Prysmian S.p.A.
(11) AU-A-2021206829
(21) 2021206829 **(22)** 21.07.2021
(54) Method and equipment for the installation of a power cable in a tunnel
(51) Int. Cl.
H02G 9/08 (2006.01)
B60M 1/28 (2006.01)
H02G 9/06 (2006.01)
H02G 9/10 (2006.01)
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(72) Bacchini, Marco; Manfredi, Simone; Genovesi, Mario
(74) Davies Collison Cave Pty Ltd

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(11) AU-A-2021209159
(21) 2021209159 **(22)** 26.07.2021
(54) Fire resistant cable with dual insulation layer arrangement
(51) Int. Cl.
H01B 3/04 (2006.01)
H01B 3/28 (2006.01)
H01B 3/46 (2006.01)
H01B 7/295 (2006.01)
(31) 16/990,250 **(32)** 11.08.20 **(33)** US
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(72) Fallahmohammadi, Ehsan; Anderson, Clint Nicholas
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(71) Raytheon Company
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(21) 2022200985 **(22)** 15.02.2022
(54) SEMICONDUCTOR STRUCTURES HAVING REDUCED THERMALLY INDUCED BOW
(51) Int. Cl.
H01L 27/06 (2006.01)
H01L 29/20 (2006.01)
H01L 29/778 (2006.01)
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(62) 2020369833
(72) Tyhach, Matthew C.; Vaillancourt, Jarrod
(74) RnB IP Pty Ltd

(71) RB Health (US) LLC
(11) AU-A-2022201004
(21) 2022201004 **(22)** 15.02.2022
(54) PERSONAL CLEANSING COMPOSITIONS AND METHODS OF STABILIZING THE MICROBIOME
(51) Int. Cl.
A61K 8/04 (2006.01)
A61K 8/20 (2006.01)
A61K 8/34 (2006.01)
A61K 8/365 (2006.01)

A61K 8/39 (2006.01)
A61K 8/44 (2006.01)
A61K 8/45 (2006.01)
A61K 8/46 (2006.01)
A61K 8/86 (2006.01)
A61K 31/095 (2006.01)
A61K 31/205 (2006.01)
A61P 31/02 (2006.01)
A61Q 17/00 (2006.01)
A61Q 19/00 (2006.01)
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(72) Bruning, Elizabeth; De Szalay, Sarah Frances; Wilson, Jessica; Yang, Rui
(74) Madderns Pty Ltd

(71) Regenmed Systems, Inc.
(11) AU-A-2022200855
(21) 2022200855 **(22)** 09.02.2022
(54) Cannula for tissue disruption
(51) Int. Cl.
A61B 10/02 (2006.01)
A61B 17/56 (2006.01)
A61M 25/16 (2006.01)
A61M 39/00 (2006.01)
(43) 03.03.2022
(62) 2019216704
(72) CROCKER, Michael D.; HULME, Gary B.
(74) Griffith Hack

(71) Research Institute at Nationwide Children's Hospital
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(21) 2022200929 **(22)** 11.02.2022
(54) Methods And Materials For Producing Recombinant Viruses In Eukaryotic Microalgae
(51) Int. Cl.
C12N 1/12 (2006.01)
C12N 15/63 (2006.01)
(43) 03.03.2022
(62) 2015342997
(72) KASPAR, Brian K.
(74) WRAYS PTY LTD

(71) Sage Therapeutics, Inc.
(11) AU-A-2022200884
(21) 2022200884 **(22)** 10.02.2022
(54) Oysterols and methods of use thereof
(51) Int. Cl.
C07J 9/00 (2006.01)
A61K 31/575 (2006.01)
A61P 25/28 (2006.01)
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(72) SALITURO, Francesco G.; ROBICHAUD, Albert J.; MARTINEZ BOTELLA, Gabriel; HARRISON, Boyd L.; GRIFFIN, Andrew; LA, Daniel
(74) Spruson & Ferguson

(71) Salter, T.
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(21) 2021202251 **(22)** 14.04.2021
(54) Swimming Pool Construction

(51) Int. Cl.
E04H 4/00 (2006.01)
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(31) 2020902928 **(32)** 17.08.20 **(33)** AU
(43) 03.03.2022
(72) Salter, Tom
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(71) Sangamo Therapeutics, Inc.
(11) AU-A-2022200835
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(54) Methods And Compositions For Nuclelease-Mediated Genome Engineering And Correction In Hematopoietic Stem Cells
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C12N 5/071 (2010.01)
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(72) COST, Gregory J.; MILLER, Jeffrey C.; ZHANG, Lei
(74) WRAYS PTY LTD

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(54) COMPACT MULTIFUNCTIONAL BATTERY BOOSTER
(51) Int. Cl.
H02M 3/18 (2006.01)
H02J 7/02 (2016.01)
(43) 03.03.2022
(62) 2020201589
(72) Butler, Brian F.; Nguyen, Linh; Clarke, Patrick; Zhu, Shenzhong; Chen, Xiao
(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) Shanghai United Imaging Healthcare Co., Ltd.
(11) AU-A-2022200948
(21) 2022200948 **(22)** 11.02.2022
(54) System and method for locating target subject
(51) Int. Cl.
A61B 6/00 (2006.01)
A61B 17/34 (2006.01)
A61B 34/20 (2016.01)
(43) 03.03.2022
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(72) YIN, Hui; TANG, Bing
(74) Spruson & Ferguson

Sheldon-Coulson, G. see Moffatt, B.
(21) 2022200880

(71) Sigma-Aldrich Co. LLC
(11) AU-A-2022200851
(21) 2022200851 **(22)** 09.02.2022
(54) Using nucleosome interacting protein domains to enhance targeted genome modification
(51) Int. Cl.
C12N 15/90 (2006.01)
C12N 9/96 (2006.01)
C12N 15/11 (2006.01)

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(74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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- (71)** Silk Road Medical, Inc.
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(21) 2022200974 **(22)** 14.02.2022
(54) METHODS AND SYSTEMS FOR ESTABLISHING RETROGRADE CAROTID ARTERIAL BLOOD FLOW
(51) Int. Cl.
A61F 2/00 (2006.01)
A61B 5/02 (2006.01)
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(72) Kume, Stewart M.; Duong, Sieu T.; Garrison, Michi E.
(74) Phillips Ormonde Fitzpatrick
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- (71)** Smiths Medical ASD, Inc.
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(21) 2022200990 **(22)** 15.02.2022
(54) Subcutaneous insertion systems, devices and related methods
(51) Int. Cl.
A61M 25/06 (2006.01)
A61B 17/34 (2006.01)
A61M 25/00 (2006.01)
(43) 03.03.2022
(62) 2017257665
(72) COTE, Steven Albert; FAUST, Mark Henry; JUSTMANN, David Andrae
(74) Spruson & Ferguson
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- (71)** Snap-on Incorporated
(11) AU-A-2021212093
(21) 2021212093 **(22)** 06.08.2021
(54) Joint press adapter
(51) Int. Cl.
B25B 27/06 (2006.01)
(31) 16/995,452 **(32)** 17.08.20 **(33)** US
(43) 03.03.2022
(72) GAINES, Preston T.
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(54) GLYCEROL-BASED EPOXY RESINS
(51) Int. Cl.
C08L 63/00 (2006.01)
C08G 59/02 (2006.01)
C08G 59/22 (2006.01)
C08G 59/32 (2006.01)
C08G 59/50 (2006.01)
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(72) Clarke, Stephen Ross; Mifsud, Joseph Adrian; Trout, Neil Alan
(74) Phillips Ormonde Fitzpatrick
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- (71)** Syqe Medical Ltd.
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(54) Personal Vaporizing Device
(51) Int. Cl.
A61M 15/00 (2006.01)
A24F 47/00 (2020.01)
A61M 11/04 (2006.01)
(43) 03.03.2022
(62) 2017208165
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(74) Golja Haines & Friend
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(11) AU-A-2022200947
(21) 2022200947 **(22)** 11.02.2022
(54) HEAT SHRINK COVERING OF BUILT STRUCTURES AND METHOD
(51) Int. Cl.
E04D 5/06 (2006.01)
B29C 65/02 (2006.01)
E04G 21/28 (2006.01)
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(74) Wallington-Dummer
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- (71)** Takeda Pharmaceutical Company Limited
(11) AU-A-2022200837
(21) 2022200837 **(22)** 09.02.2022
(54) GIP receptor activating peptide
(51) Int. Cl.
C07K 14/605 (2006.01)
A61K 38/00 (2006.01)
(43) 03.03.2022
(62) 2018246553
(72) Asami, Taiji; Nishizawa, Naoki; Niida, Ayumu; Kanematsu, Yoko; Adachi, Mari; Takekawa, Shiro; Morimoto, Tomoko
(74) Davies Collison Cave Pty Ltd
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- (71)** TELEFLEX LIFE SCIENCES LIMITED
(11) AU-A-2022200867
(21) 2022200867 **(22)** 10.02.2022
(54) INTRAOSSEOUS ACCESS DEVICE AND METHOD TO ACCESS BONE MARROW
(51) Int. Cl.
A61B 17/34 (2006.01)
(43) 03.03.2022
(62) 2019264954
(72) TIERNEY, Morgan; FOMINAS, Alex
(74) RnB IP Pty Ltd
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- (71)** Tencent America LLC
(11) AU-A-2021257959
(21) 2021257959 **(22)** 16.06.2021
(54) Coding of multiple-component attributes for point cloud coding
(51) Int. Cl.
G06T 7/50 (2017.01)
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 17/332,213 27.05.21 US
(43) 03.03.2022
(72) ZHANG, Xiang; GAO, Wen; LIU, Shan
(74) Phillips Ormonde Fitzpatrick
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(11) AU-A-2021205030
(21) 2021205030 **(22)** 14.07.2021
(54) MICROPLEGIA DELIVERY SYSTEM
(51) Int. Cl.
A61M 1/36 (2006.01)
A61M 1/14 (2006.01)
A61M 5/145 (2006.01)
A61M 5/172 (2006.01)
A61M 60/113 (2021.01)
A61M 60/32 (2021.01)
A61M 60/38 (2021.01)
(31) 16/992,795 **(32)** 13.08.20 **(33)** US
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(72) Leone, Carmen Joseph; Kotnik, Paul Thomas
(74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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- (71)** The Boeing Company
(11) AU-A-2021215127
(21) 2021215127 **(22)** 10.08.2021
(54) Aircraft system operational testing
(51) Int. Cl.
G01M 9/08 (2006.01)
B64F 5/60 (2017.01)
G05B 23/02 (2006.01)
G06F 17/16 (2006.01)
(31) 17/350,491 **(32)** 17.06.21 **(33)** US
 63/064,201 11.08.20 US
(43) 03.03.2022
(72) AARON, Noah Eric; PREWETT, Emily M.
(74) Spruson & Ferguson
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- (71)** The NOCO Company
(11) AU-A-2022200916
(21) 2022200916 **(22)** 11.02.2022
(54) A rechargeable jump starting device having a highly electrically conductive cable connecting device
(51) Int. Cl.
F02N 11/14 (2006.01)
F02N 11/12 (2006.01)
F02N 19/00 (2010.01)
H01R 13/62 (2006.01)
H01R 13/623 (2006.01)
H01R 24/20 (2011.01)
(43) 03.03.2022
(62) 2018326243
(72) NOOK, Jonathan Lewis; NOOK, William Knight; STANFIELD, James Richard; UNDERHILL, Derek Michael
(74) Griffith Hack
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(11) AU-A-2022200866
(21) 2022200866 **(22)** 10.02.2022
(54) Active robotic pin placement
(51) Int. Cl.

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A61B 34/30 (2016.01)
A61B 90/00 (2016.01)
A61L 31/02 (2006.01)
A61L 31/04 (2006.01)
A61L 31/06 (2006.01)
(43) 03.03.2022
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(72) Bonny, Daniel P.; Zuhars, Joel; Howell, Stephen M.; Pack, Timothy; Kuznik, Kyle; Kianmajd, Babak
(74) Davies Collison Cave Pty Ltd

(71) Thursday Pools
(11) AU-A-2022200854
(21) 2022200854 **(22)** 09.02.2022
(54) Geotextile sheeting stabilized fiberglass swimming pool body
(51) Int. Cl.
E04H 4/14 (2006.01)
E04H 4/00 (2006.01)
E04H 4/04 (2006.01)
(43) 03.03.2022
(62) 2019210568
(72) KHAMIS, William; VONDELL, Edward
(74) Spruson & Ferguson

(71) TRON - Translationale Onkologie an der Universitätsmedizin der Johannes Gutenberg-Universität Mainz Gemeinnützige GmbH; BioNTech SE
(11) AU-A-2022200863
(21) 2022200863 **(22)** 10.02.2022
(54) Predicting immunogenicity of T cell epitopes
(51) Int. Cl.
A61K 39/00 (2006.01)
(43) 03.03.2022
(62) 2019275637
(72) Sahin, Ugur; Tadmor, Arbel David; Castle, John Christopher; Boegel, Sebastian; Lower, Martin
(74) FB Rice Pty Ltd

(71) TuSimple, Inc.
(11) AU-A-2021212026
(21) 2021212026 **(22)** 04.08.2021
(54) Launchpad for autonomous vehicles
(51) Int. Cl.
G05D 1/02 (2020.01)
B60W 40/04 (2006.01)
B60W 60/00 (2020.01)
(31) 16/993,420 **(32)** 14.08.20 **(33)** US
 16/993,533 14.08.20 US
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(43) 03.03.2022
(72) LAU, Jason Robert; WHITE III, Leon Moore
(74) FB Rice Pty Ltd

(71) Under The Roof Decorating Inc.
(11) AU-A-2022200940
(21) 2022200940 **(22)** 11.02.2022
(54) Hanging member
(51) Int. Cl.

A47G 1/16 (2006.01)
A47G 1/20 (2006.01)
A47G 1/22 (2006.01)
(43) 03.03.2022
(62) 2016314796
(72) Krake, Kelly R.; Tousignant, Liette; Kurtz, Michael
(74) Griffith Hack

(71) United Airlines, Inc.
(11) AU-A-2022200318
(21) 2022200318 **(22)** 18.01.2022
(54) Expedited international flight online check-in
(51) Int. Cl.
G06Q 10/02 (2012.01)
G06Q 50/30 (2012.01)
(43) 03.03.2022
(62) 2020200595
(72) Natale, Michael; Wang, Zhi; Punugoti, Sripriya; Velasquez, Jarod; Austin, Ryan; Nasr, Mark
(74) Dark IP

(71) UPL LIMITED
(11) AU-A-2021215162
(21) 2021215162 **(22)** 11.08.2021
(54) AN IMPROVED PROCESS FOR THE PREPARATION OF 4-AMINO-N-TERT-BUTYL-4,5-DIHYDRO-3-ISOPROPYL-5-OXO-1H-1,2,4-TRIAZOLE-1-CARBOXAMIDE (AMICARBAZONE)
(51) Int. Cl.
C07D 249/12 (2006.01)
(31) 202021034703 **(32)** 12.08.20 **(33)** IN
(43) 03.03.2022
(72) PRASAD, Vic; MCBRAYER, Tinker; ALVES, Leandro; CAMPOS, Luiz; ARORA, Raj; TIWARI, Raj
(74) Churchill Attorneys

(71) UPL LIMITED
(11) AU-A-2021215300
(21) 2021215300 **(22)** 13.08.2021
(54) Crystalline form of 4-amino-N-tert-butyl-4,5-dihydro-3-isopropyl-5-oxo-1,2,4-triazole-1-carboxamide and a process for producing thereof.
(51) Int. Cl.
C07D 249/12 (2006.01)
A01N 47/38 (2006.01)
A01P 13/00 (2006.01)
(31) 202021035020 **(32)** 14.08.20 **(33)** IN
(43) 03.03.2022
(72) KINI, Prashant Vasant; CHHATRE, Ajay Sadashiv
(74) Churchill Attorneys

(71) VELANO VASCULAR, INC.
(11) AU-A-2022200862
(21) 2022200862 **(22)** 10.02.2022
(54) SYSTEMS AND METHODS FOR PHLEBOTOMY THROUGH A PERIPHERAL IV CATHETER
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A61B 5/153 (2006.01)

A61M 25/06 (2006.01)
(43) 03.03.2022
(62) 2020205226
(72) Devgon, Pitamber; Briganti, Richard Thomas; Cassidy, Kenneth Todd; Levine, Marc-Alan; Martel, Mark
(74) RnB IP Pty Ltd

(71) Visy R&D PTY Limited
(11) AU-A-2021215202
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(54) PACKAGING AND A BLANK FOR PACKAGING
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B65D 5/66 (2006.01)
B65D 5/24 (2006.01)
(31) 767141 **(32)** 14.08.20 **(33)** NZ
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(43) 03.03.2022
(72) Moka, Clint Paul
(74) James & Wells Intellectual Property

(71) Vivra International Pty. Ltd.
(11) AU-A-2022200997
(21) 2022200997 **(22)** 15.02.2022
(54) An Accessory for Carrying Items on a Garment
(51) Int. Cl.
A45C 1/00 (2006.01)
A45C 13/10 (2006.01)
A45F 5/02 (2006.01)
(43) 03.03.2022
(62) 2016402982
(72) Bitkow, Emily
(74) Eagar & Associates Pty Ltd

(71) Vyera Pharmaceuticals, LLC
(11) AU-A-2022200967
(21) 2022200967 **(22)** 14.02.2022
(54) Compositions and methods for treating infections
(51) Int. Cl.
C07D 401/04 (2006.01)
A61K 31/506 (2006.01)
A61P 33/02 (2006.01)
C07D 403/04 (2006.01)
C07D 403/14 (2006.01)
(43) 03.03.2022
(62) 2017213824
(72) THOMAS, Stephen; HOPPER, Allen, T.; WELSCH, Mathew
(74) Pearce IP Pty Ltd

(71) Welch Allyn, Inc.
(11) AU-A-2021205077
(21) 2021205077 **(22)** 15.07.2021
(54) Dermal image capture
(51) Int. Cl.
A61B 5/00 (2006.01)
G01N 21/29 (2006.01)
G16H 50/20 (2018.01)
(31) 63/064537 **(32)** 12.08.20 **(33)** US
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(72) Chikkanaravangala, Shadakshari D.; Daley, Stephen C.; Kurniawan, Helmi; Lai, Chee Keen; Leong, Hon Kuen;

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(74) Spruson & Ferguson

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(71) Woodside Energy Technologies Pty Ltd
(11) AU-A-2021266339
(21) 2021266339 **(22)** 13.08.2021
(54) Distributed hydrogen generation plant
(51) Int. Cl.
C25B 1/04 (2021.01)
H01L 31/04 (2014.01)
H02S 20/10 (2014.01)
H02S 30/10 (2014.01)
H02S 40/34 (2014.01)
H02S 40/38 (2014.01)
(31) 2020902887 **(32)** 14.08.20 **(33)** AU
(43) 03.03.2022
(72) O'ROUKE, Shannon
(74) Griffith Hack

(71) Wright Medical Technology, Inc.
(11) AU-A-2022200860
(21) 2022200860 **(22)** 10.02.2022
(54) Knotless syndesmosis system
(51) Int. Cl.
A61B 17/04 (2006.01)
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(43) 03.03.2022
(62) 2019246845
(72) AWTREY, George Matthew; MOSELEY, Jon Pope; APICELLI, Samuel W.
(74) Spruson & Ferguson

(71) Wuhan Research Institute of Materials Protection
(11) AU-A-2021282417
(21) 2021282417 **(22)** 30.07.2021
(54) Easy-to-clean antiskid wear-resistant floor coating, method for preparing same and application thereof
(51) Int. Cl.
C09D 7/65 (2018.01)
C09D 5/14 (2006.01)
C09D 5/18 (2006.01)
(31) 202010801544.3 **(32)** 11.08.20 **(33)** CN
(43) 03.03.2022
(72) WANG, Yang; LIU, Lanxuan; LI, Dongdong; FENG, Zenghui; QIN, Weihua; LIU, Xiusheng; WU, Dongheng
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(71) Yodlee, Inc.
(11) AU-A-2022200878
(21) 2022200878 **(22)** 10.02.2022
(54) Financial account authentication
(51) Int. Cl.
G06Q 40/00 (2012.01)

(43) 03.03.2022
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(72) PANT, Shubha; NADKARNI, Nikhil; NAGARAJ, Vinay; REED, Jordan; HAZLEHURST, Peter
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(11) AU-A-2022201006
(21) 2022201006 **(22)** 16.02.2022
(54) Reference signal transmission method and device
(51) Int. Cl.
H04W 72/04 (2009.01)
(43) 03.03.2022
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(72) ZHANG, Shujuan; LU, Zhaohua; JIANG, Chuangxin; WANG, Yuxin
(74) Davies Collison Cave Pty Ltd

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| 2022200838 | H. Lee Moffitt Cancer Center and Research Institute, Inc. | 2022200927 | Cortexyme, Inc. |
| 2022200839 | Lewis, M. | 2022200928 | Implantica Patent Ltd |
| 2022200840 | Landis+Gyr Innovations, Inc. | 2022200929 | Research Institute at Nationwide Children's Hospital |
| 2022200841 | Magic Leap, Inc. | 2022200930 | PORIFERA, INC. |
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| 2022100026 | 2022100017 | |
| <u>B65G 15 /-</u> | 2022100018 | |
| 2022100023 | 2022100019 | |
| | 2022100020 | |
| | <u>F42D 3 /-</u> | |
| | 2022100013 | |
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 (54) Method for purifying diglycosylated interferon-beta protein
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C07K 1/18 (2006.01)
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C07K 1/22 (2006.01)
C07K 14/565 (2006.01)
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A01N 43/54 (2006.01)
A01N 43/10 (2006.01)
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C07C 209/68 (2006.01)
B01J 31/24 (2006.01)

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C07D 213/82 (2006.01)
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 (54) X-ray Tomography system and method
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G06T 11/00 (2006.01)
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A61F 2/28 (2006.01)
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(74) AJ PARK
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(51) Int. Cl.
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(21) 2020336212 (22) 28.08.2020
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(74) K&L Gates
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A61K 38/48 (2006.01)
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A61P 1/04 (2006.01)
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B62D 5/04 (2006.01)
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(54) Improved methods for the production of plants
(51) Int. Cl.
A01H 6/28 (2018.01)
A01H 1/04 (2006.01)
A01H 5/00 (2018.01)
C12Q 1/6809 (2018.01)
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(54) Anti-CTLA4-anti-PD-1 bispecific antibody and uses thereof
(51) Int. Cl.
C07K 16/46 (2006.01)
A61K 39/395 (2006.01)
A61P 7/06 (2006.01)
A61P 35/00 (2006.01)
A61P 35/02 (2006.01)
C07K 16/28 (2006.01)
C12N 15/13 (2006.01)
C12N 15/62 (2006.01)
C12N 15/63 (2006.01)
G01N 33/577 (2006.01)
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C12Q 1/6886 (2018.01)
C12N 15/10 (2006.01)
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G01N 33/50 (2006.01)
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A61F 2/16 (2006.01)
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(51) Int. Cl.
A61F 2/16 (2006.01)
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(54) Peristaltic pumps with reduced pulsations
(51) Int. Cl.
A61M 1/00 (2006.01)
F04B 43/12 (2006.01)
F04B 49/00 (2006.01)
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B22F 3/105 (2006.01)
B22F 9/08 (2006.01)
B33Y 80/00 (2015.01)
H05B 6/36 (2006.01)
H05B 6/44 (2006.01)
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A61K 39/395 (2006.01)
A61K 31/573 (2006.01)
A61P 29/00 (2006.01)
A61P 37/00 (2006.01)
C07K 16/28 (2006.01)
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A61F 7/02 (2006.01)
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C12N 5/0783 (2010.01)
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A23K 20/105 (2016.01)
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A23K 50/75 (2016.01)
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 (51) Int. Cl.
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 A01K 67/027 (2006.01)
 A61K 35/12 (2015.01)
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 (54) Liquid sporulation method and sporulation broth
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 C12N 1/20 (2006.01)
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 C08L 53/02 (2006.01)
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 B07B 1/40 (2006.01)
 B01F 27/1123 (2022.01)
 B01F 27/1151 (2022.01)
 B01F 27/191 (2022.01)
 B01F 31/40 (2022.01)
 B07B 1/06 (2006.01)
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A23L 33/10 (2016.01)
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B29C 64/209 (2017.01)
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B08B 13/00 (2006.01)
B25J 9/18 (2006.01)
B25J 19/02 (2006.01)
B25J 19/04 (2006.01)
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H04W 4/38 (2018.01)
G01B 11/14 (2006.01)
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management method
(51) Int. Cl.
A63B 69/00 (2006.01)
A63F 13/212 (2014.01)
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B63C 3/00 (2006.01)
B63C 1/02 (2006.01)
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component
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C09D 163/00 (2006.01)
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and salts thereof and use thereof as
herbicides agents
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C07D 401/12 (2006.01)
A01N 43/54 (2006.01)
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Ines; WILLMS, Lothar; JAKOBI, Harald;
HELMKE, Hendrik; ROSINGER, Chris-
topher, Hugh; ASMUS, Elisabeth
(74) Davies Collison Cave Pty Ltd
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- (71) Bayer Aktiengesellschaft
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tion agents in harvested products
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(72) WIRTZ, Kai; BECKER, Rolf Christian;
GOERLITZ, Linus; SCHAEFER, Dirk;
WEYSSER, Fabian
(74) Davies Collison Cave Pty Ltd
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- (71) Bayer Aktiengesellschaft; Bayer
Pharma Aktiengesellschaft
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A61P 35/00 (2006.01)
C07D 487/04 (2006.01)
C07D 519/00 (2006.01)
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ZORN, Ludwig; MEIER, Robin Mi-
chael; HERBERT, Simon Anthony;
GÜNTHER, Judith; GUTCHER, Ilona;
RÖSE, Lars; BADER, Benjamin;
STÖCKIGT, Detlef; GORJÁNÁČZ,
Mátyás; KOBER, Christina; BUCH-
MANN, Bernd; BÖHME, Stephan;
BOTHE, Ulrich; PLATTEN, Michael;
BAUMANN, Daniel
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| <p>(71) Baylor College of Medicine (11) AU-A-2020322790 (21) 2020322790 (22) 29.07.2020 (54) Antigen-specific T cell banks and methods of making and using the same therapeutically (51) Int. Cl. A61K 35/17 (2015.01) C12N 5/00 (2006.01) C12Q 1/6881 (2018.01) G01N 33/569 (2006.01) (87) WO2021/021937 (31) 62/880,006 (32) 29.07.19 (33) US 62/887,802 16.08.19 US 63/054,161 20.07.20 US (43) 04.02.2021 (72) VERA VALDES, Juan Fernando; LEEN, Ann Marie; TZANNOU, Ifigeneia (74) FB Rice Pty Ltd</p> | <p>(71) Bechtel Energy Inc. (11) AU-A-2020327920 (21) 2020327920 (22) 05.08.2020 (54) Systems and methods for improving the efficiency of open-cycle cascade-based liquified natural gas systems (51) Int. Cl. F25J 1/02 (2006.01) F25J 1/00 (2006.01) (87) WO2021/030112 (31) 62/885,958 (32) 13.08.19 (33) US (43) 18.02.2021 (72) LADD, David (74) Phillips Ormonde Fitzpatrick</p> | <p>(71) Beijing Geekplus Technology Co., Ltd. (11) AU-A-2020389910 (21) 2020389910 (22) 18.08.2020 (54) Container storage system, warehousing system, and robot (51) Int. Cl. B65G 1/137 (2006.01) B65G 1/04 (2006.01) (87) WO2021/103668 (31) 201911203891.X (32) 29.11.19 (33) CN (43) 03.06.2021 (72) LIU, Kai; WANG, Mengdi (74) Madderns Pty Ltd</p> |
| <p>(71) Beam Therapeutics Inc. (11) AU-A-2020336953 (21) 2020336953 (22) 28.08.2020 (54) Compositions and methods for editing a mutation to permit transcription or expression (51) Int. Cl. C12N 9/22 (2006.01) A61P 35/00 (2006.01) A61P 43/00 (2006.01) C12N 15/11 (2006.01) (87) WO2021/041885 (31) 62/893,638 (32) 29.08.19 (33) US (43) 04.03.2021 (72) GEHRKE, Jason Michael; BARRERA, Luis; MESSANA, Angelica (74) Southern Cross Intellectual Property</p> | <p>(71) Becton, Dickinson and Company (11) AU-A-2020323881 (21) 2020323881 (22) 22.07.2020 (54) Buffer compositions for reducing aggregation (51) Int. Cl. C12N 15/10 (2006.01) C12Q 1/68 (2018.01) C12Q 1/6806 (2018.01) C12Q 1/689 (2018.01) G01N 1/28 (2006.01) G01N 1/34 (2006.01) (87) WO2021/021522 (31) 62/879,310 (32) 26.07.19 (33) US (43) 04.02.2021 (72) COTE, Jean-Sebastien; FORTIN, Marie-Christine; BLANCHETTE, Vincent; TREMBLAY, Marie-Helene; MORASSE, Sebastien; GUAY, Sophie; SIMARD, Sebastien (74) FB Rice Pty Ltd</p> | <p>(71) Belite Bio, LLC (11) AU-A-2020310120 (21) 2020310120 (22) 06.07.2020 (54) Formulations of RBP4 inhibitors and methods of use (51) Int. Cl. A61K 31/451 (2006.01) A61K 31/4523 (2006.01) A61K 31/4535 (2006.01) C07D 211/08 (2006.01) C07D 471/04 (2006.01) C07D 487/04 (2006.01) (87) WO2021/007172 (31) 62/871,622 (32) 08.07.19 (33) US (43) 14.01.2021 (72) LIN, Yu-Hsin, Tom; WANG, Cheng-Chi, Irene (74) FB Rice Pty Ltd</p> |
| <p>(71) Beam Therapeutics Inc. (11) AU-A-2020336969 (21) 2020336969 (22) 28.08.2020 (54) Compositions and methods for non-toxic conditioning (51) Int. Cl. C12N 9/22 (2006.01) C12N 9/78 (2006.01) C12N 15/10 (2006.01) C12N 15/113 (2010.01) (87) WO2021/041945 (31) 62/893,677 (32) 29.08.19 (33) US</p> | <p>(71) Becton, Dickinson and Company (11) AU-A-2020345571 (21) 2020345571 (22) 28.08.2020 (54) Vascular access device adapter (51) Int. Cl. A61M 39/04 (2006.01) A61M 39/10 (2006.01) (87) WO2021/050291 (31) 62/898,291 (32) 10.09.19 (33) US 17/003,202 26.08.20 US (43) 18.03.2021 (72) YAN, Bo; XUE, Yueqiang; CHEN, Xiwei; BURKHOLZ, Jonathan Karl (74) Dark IP</p> | <p>(71) BENEIO Remy (11) AU-A-2020354508 (21) 2020354508 (22) 24.09.2020 (54) Process for the preparation of pregelatinized starch and/or pregelatinized flour (51) Int. Cl. A23L 29/212 (2016.01) C08B 1/00 (2006.01) C08B 30/00 (2006.01) C08L 3/00 (2006.01) (87) WO2021/058680 (31) 19199285.8 (32) 24.09.19 (33) EP (43) 01.04.2021 (72) LEVECKE, Bart; DE VLEESCHOUWER, Kristel (74) Phillips Ormonde Fitzpatrick</p> |
| <p>(71) Becton, Dickinson and Company (11) AU-A-2020345944 (21) 2020345944 (22) 11.09.2020 (54) Hinged needle shield and needle assemblies (51) Int. Cl. A61M 5/32 (2006.01) (87) WO2021/050794 (31) 62/900,147 (32) 13.09.19 (33) US 62/901,603 17.09.19 US</p> | <p>(71) Big Foot Systems Limited (11) AU-A-2020317848 (21) 2020317848 (22) 10.07.2020 (54) Support foot (51) Int. Cl. F24F 13/32 (2006.01) A47B 91/12 (2006.01) E04H 12/22 (2006.01) F16M 11/20 (2006.01) (87) WO2021/014123</p> | |

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C07D 307/80 (2006.01)
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- (71) Biomet Manufacturing, LLC
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(72) GAWAD, Charles; WEST, Jay A.A.
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C07D 401/06 (2006.01)
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A61P 35/00 (2006.01)
C07D 401/14 (2006.01)
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(74) FPA Patent Attorneys Pty Ltd
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- (71) Bloom Technology, Inc.
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H04L 67/10 (2022.01)
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(54) Systems and methods for locating objects
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(72) SANIEI, Michael Saied; SI, Xiaoyan; VYSYARAJU, Siva Prasad
(74) Houlihan² Pty Ltd
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(54) Bicyclic CX3CR1 receptor agonists
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C07D 333/58 (2006.01)
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(74) AJ PARK
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- (71)** Body Vision Medical Ltd.
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(21) 2020333232 **(22)** 14.08.2020
(54) Devices for use in interventional and surgical procedures and methods of use thereof
(51) Int. Cl.
A61B 1/00 (2006.01)
A61B 17/00 (2006.01)
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(72) AVERBUCH, Dorian; AMIR, Eliron; HARARI, Boaz; SEZGANOV, Dima; NEEMAN, Ronen
(74) KINGS PATENT & TRADE MARKS ATTORNEYS PTY LTD
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- (71)** Boehringer Ingelheim International GmbH
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(54) 1-(6-(methoxy)pyridazin-3-yl)cyclopropane-1-carboxamide derivatives as autotaxin (ATX) modulators for the treatment of inflammatory airway diseases
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C07D 487/10 (2006.01)
A61K 31/407 (2006.01)
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A61P 11/00 (2006.01)
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(74) FB Rice Pty Ltd
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(54) Caspase-2 variants
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C12N 9/64 (2006.01)
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(74) Spruson & Ferguson
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- (71)** BOE Technology Group Co., Ltd.
(11) AU-A-2021215098
(21) 2021215098 **(22)** 08.06.2021
(54) Display panel
(51) Int. Cl.
H01L 27/28 (2006.01)
G09G 3/00 (2006.01)
(31) 202010822603.5 **(32)** 17.08.20 **(33)** CN
(43) 03.03.2022
(72) LI, Chunyan; XU, Chen; WANG, Jingquan
(74) Griffith Hack
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- (71)** Bogueess, B.
(11) AU-A-2021240317
(21) 2021240317 **(22)** 04.08.2021
(54) Devices, systems, and methods for installing and load testing earth anchor foundations
(51) Int. Cl.
E02D 33/00 (2006.01)
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(72) Bogueess, Brian C.
(74) RnB IP Pty Ltd
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- (71)** Bolt Threads, Inc.
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(21) 2020349480 **(22)** 16.09.2020
(54) Methods for isolating spider silk proteins via high shear solubilization
(51) Int. Cl.
A61L 27/36 (2006.01)
C07K 14/435 (2006.01)
C12N 15/62 (2006.01)
(87) WO2021/055440
(31) 62/901,053 **(32)** 16.09.19 **(33)** US
(43) 25.03.2021
(72) WHEATLEY, Robert, William
(74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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- (71)** Boost Biomes, Inc.
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(54) Microbial compositions for the prevention or reduction of growth of fungal pathogens on plants
(51) Int. Cl.
F25B 7/00 (2006.01)
F25B 47/02 (2006.01)
F25D 21/00 (2006.01)
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(31) 62/886,883 **(32)** 14.08.19 **(33)** US
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(72) GARCIA, Veronica; ANDRIKO-POULOS, Sophia; FROLAND, Jensina; TRINIDAD, Kelly; PIAMONTE, Christy; PEARCE, James; BACHER, Jamie; BECKER, Nathaniel T.; VIRAG, Aleksandra; BEDEKAR, Amruta J.; MALINICH, Elizabeth A.
(74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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(54) Microbial compositions for use with plants for the prevention or reduction of fungal pathogens
(51) Int. Cl.
A01G 7/06 (2006.01)
A01H 3/00 (2006.01)
A01H 17/00 (2006.01)
A01N 63/00 (2020.01)
C12N 1/20 (2006.01)
C12Q 1/68 (2018.01)
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(74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd
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- (71)** Bostik, Inc.
(11) AU-A-2020336323
(21) 2020336323 **(22)** 25.08.2020
(54) Roofing underlayment using a pressure sensitive adhesive and methods for making and using the same
(51) Int. Cl.
E04D 5/14 (2006.01)
C09J 7/38 (2018.01)
E04D 5/00 (2006.01)
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(31) 62/891,710 **(32)** 26.08.19 **(33)** US
(43) 04.03.2021
(72) KEULER, David P.; BAUSCH, Cory C.; ALPER, Mark D.
(74) Dark IP
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- (71)** Boston Ivy Healthcare Solutions Private Limited
(11) AU-A-2020326471
(21) 2020326471 **(22)** 04.08.2020
(54) System and method for inventory management in hospital
(51) Int. Cl.
G06Q 10/08 (2012.01)
G06Q 10/04 (2012.01)
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(31) 201921031911 **(32)** 07.08.19 **(33)** IN
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(72) TIWARI, Vivek
(74) James & Wells Intellectual Property

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B60R 11/04 (2006.01)
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F24T 10/30 (2018.01)
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A47B 9/16 (2006.01)
D06F 81/00 (2006.01)
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A61P 35/00 (2006.01)
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F16D 55/224 (2006.01)
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C07D 401/04 (2006.01)
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A23L 3/3418 (2006.01)
A23L 3/36 (2006.01)
B65D 81/18 (2006.01)
F25D 17/04 (2006.01)
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A23L 33/105 (2016.01)
A61K 9/10 (2006.01)
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A61K 31/05 (2006.01)
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 C12G 3/00 (2019.01)
 C12H 1/044 (2006.01)
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 (74) Allens Patent & Trade Mark Attorneys

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 B82Y 20/00 (2011.01)
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 G02F 1/01 (2006.01)
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 (72) Not Given
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(51) Int. Cl.

G06F 21/32 (2013.01)

H04L 9/32 (2006.01)

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(74) Davies Collison Cave Pty Ltd

(71) Match Group, LLC

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(21) 2020326447 (22) 21.07.2020

(54) System and method for recommending users based on shared digital experiences

(51) Int. Cl.

H04L 65/40 (2022.01)

G06F 3/048 (2013.01)

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(74) RnB IP Pty Ltd

(71) MAXXMAR Inc.

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(21) 2019455814 (22) 11.07.2019

(54) Safety reciprocating wand

(51) Int. Cl.

E06B 9/42 (2006.01)

E06B 9/322 (2006.01)

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(43) 14.01.2021

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(71) MAXXMAR Inc.

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(54) Gravity activated safety blind control

(51) Int. Cl.

E06B 9/32 (2006.01)

E06B 9/324 (2006.01)

E06B 9/326 (2006.01)

E06B 9/80 (2006.01)

(87) WO2021/003547

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(74) WRAYS PTY LTD

(71) Mean Green Products, LLC

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(54) Battery-operated electric mower

(51) Int. Cl.

A01D 69/02 (2006.01)

A01D 34/00 (2006.01)

A01D 34/58 (2006.01)

A01D 34/78 (2006.01)

A01D 69/00 (2006.01)

A01D 69/06 (2006.01)

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(74) Griffith Hack

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(21) 2020336129 (22) 28.08.2020

(54) Polyphonic pitch enhancement in a cochlear implant

(51) Int. Cl.

A61N 1/05 (2006.01)

A61N 1/36 (2006.01)

G10L 25/90 (2013.01)

H04R 25/00 (2006.01)

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(74) BOSH IP Pty Ltd

(71) MeiraGTx UK II Limited; University of Heidelberg

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(21) 2020314883 (22) 15.07.2020

(54) Modified AAV capsid proteins for treatment of arthritic disease

(51) Int. Cl.

A61K 48/00 (2006.01)

C07K 14/015 (2006.01)

C12N 15/864 (2006.01)

(87) WO2021/009684

(31) 2023505 (32) 15.07.19 (33) NL

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(71) Mejuri Inc.

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(21) 2020326782 (22) 06.08.2020

(54) Jewelry display apparatus

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A47F 7/02 (2006.01)

A44C 7/00 (2006.01)

(87) WO2021/026295

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(72) CARWARDINE, Laura; MATZEG, Adrienna

(74) Gestalt Law Pty Ltd

(71) Memorial Sloan Kettering Cancer Center

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(54) Universal slide viewer

(51) Int. Cl.

G06T 7/00 (2017.01)

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(54) Multi-task learning for dense object detection

(51) Int. Cl.

G06K 9/00 (2006.01)

G06K 9/62 (2006.01)

(87) WO2021/041337

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(54) Pharmaceutical preparation

(51) Int. Cl.

A61K 9/16 (2006.01)

A61K 9/20 (2006.01)

A61K 9/48 (2006.01)

A61K 31/506 (2006.01)

A61P 35/00 (2006.01)

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(74) Griffith Hack

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(21) 2020328678 (22) 21.07.2020

(54) Antimalarial agents

(51) Int. Cl.

C07D 239/22 (2006.01)

A61K 31/513 (2006.01)

A61P 33/06 (2006.01)

C07D 405/04 (2006.01)

C07D 405/14 (2006.01)

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(51) Int. Cl.
B07C 5/342 (2006.01)
B07C 5/344 (2006.01)
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(54) Detection on non-XR/MD detectable foreign objects in meat
(51) Int. Cl.
G01N 21/85 (2006.01)
B07C 5/342 (2006.01)
G01N 21/88 (2006.01)
G01N 21/94 (2006.01)
G01N 33/12 (2006.01)
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(31) 16/507,505 **(32)** 10.07.19 **(33)** US
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(51) Int. Cl.
A61M 5/178 (2006.01)
A61J 1/20 (2006.01)
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C22B 1/08 (2006.01)
C22B 1/10 (2006.01)
C22B 7/00 (2006.01)
C22B 7/04 (2006.01)
C22B 13/02 (2006.01)
C22B 15/00 (2006.01)
C22B 19/28 (2006.01)
C22B 19/30 (2006.01)
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(72) DEY, Brian Matthew
(74) Michael Buck IP
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(54) Headgear
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A42B 3/06 (2006.01)
A42B 3/12 (2006.01)
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(51) Int. Cl.
C07D 237/32 (2006.01)
C07D 401/10 (2006.01)
C07D 401/14 (2006.01)
C07D 403/10 (2006.01)
C07D 403/14 (2006.01)
C07D 405/10 (2006.01)
C07D 405/14 (2006.01)
C07D 409/14 (2006.01)
C07D 413/10 (2006.01)
C07D 417/10 (2006.01)
C07D 417/14 (2006.01)
C07D 471/04 (2006.01)
C07D 471/14 (2006.01)
C07D 487/04 (2006.01)
C07D 498/04 (2006.01)
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(54) Method for creating an adhesive bond using an elastomeric material
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B60P 1/28 (2006.01)
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(74) HopgoodGanim
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(54) Method for applying a protective coating to a haul truck tray
(51) Int. Cl.
B60R 13/01 (2006.01)
B60P 1/28 (2006.01)
B62D 25/22 (2006.01)
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(31) 2019902628 **(32)** 24.07.19 **(33)** AU
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(54) Energy-dissipative pneumatic cushioning system
(51) Int. Cl.
B60P 1/04 (2006.01)
B60G 17/052 (2006.01)
B60G 17/08 (2006.01)
B60P 1/16 (2006.01)
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(54) Lightweight tray with pneumatic cushioning system
(51) Int. Cl.
B60P 1/28 (2006.01)
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(31) 2019902623 **(32)** 24.07.19 **(33)** AU
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(51) Int. Cl.
E21B 10/56 (2006.01)
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A61K 9/127 (2006.01)
A61K 31/00 (2006.01)
A61K 47/14 (2017.01)
A61K 47/24 (2006.01)
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(51) Int. Cl.
A61F 13/02 (2006.01)
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(51) Int. Cl.
C12N 15/57 (2006.01)
C07K 14/745 (2006.01)
C07K 14/81 (2006.01)
C12N 5/10 (2006.01)
C12N 9/68 (2006.01)
C12N 15/15 (2006.01)
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A01N 65/22 (2009.01)
A01N 65/03 (2009.01)
A01N 65/08 (2009.01)
A01N 65/12 (2009.01)
A01P 1/00 (2006.01)
A01P 3/00 (2006.01)
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C12N 9/22 (2006.01)
C12N 15/82 (2006.01)
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(51) Int. Cl.
C09D 11/52 (2014.01)
C08K 3/10 (2018.01)
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(51) Int. Cl.
A61B 5/11 (2006.01)
A61B 5/00 (2006.01)
A61B 5/22 (2006.01)
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(54) System and method for public safety answering point to emergency operations center communications
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H04M 3/51 (2006.01)
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(51) Int. Cl.
C07D 413/14 (2006.01)
A61K 31/454 (2006.01)
A61P 9/04 (2006.01)
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(51) Int. Cl.
A61P 35/00 (2006.01)
A61K 47/68 (2017.01)
C07K 16/28 (2006.01)
(87) WO2021/007361
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(54) Nef-containing T cells and methods of producing thereof
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C12N 5/0783 (2010.01)
A61K 35/17 (2015.01)
C12N 15/49 (2006.01)
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gomer thermoplastic composite
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C08L 3/04 (2006.01)
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terial Research Institute Co., Ltd.
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based biodegradable resin material and
preparation method thereof
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C08L 3/04 (2006.01)
C08L 67/02 (2006.01)
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(54) Uracil dermal pharmaceutical formula-
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(51) Int. Cl.
A61K 31/513 (2006.01)
A61K 9/06 (2006.01)
C07D 239/54 (2006.01)
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stability of ingredients in suspensions
(51) Int. Cl.
A61K 9/00 (2006.01)
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panel
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C25B 1/00 (2021.01)
C25B 1/04 (2021.01)
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A61B 1/06 (2006.01)
A61B 1/12 (2006.01)
A61B 1/227 (2006.01)
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 A23L 33/18 (2016.01)
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 C07K 7/00 (2006.01)
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 C12Q 1/68 (2018.01)
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 orders

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 CZAK, Jacek; GOŁĘBIOWSKI, Adam;
 BARTOSZEWICZ, Agnieszka
 (74) Davies Collison Cave Pty Ltd

(71) OncoResponse, Inc.
 (11) AU-A-2020315878
 (21) 2020315878 (22) 17.07.2020
 (54) Immunomodulatory antibodies and
 methods of use thereof

(51) Int. Cl.
 C07K 16/28 (2006.01)
 A61K 39/395 (2006.01)
 A61P 35/00 (2006.01)
 C12N 5/0786 (2010.01)

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 Siddarth; CONERLY, Melissa L.; SIM-

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BRANUM, Mark E.; PROBST, Peter
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(21) 2020327251 **(22)** 04.08.2020
(54) Biomarker for accessing efficacy of immune checkpoint inhibitor
(51) Int. Cl.
A61K 39/395 (2006.01)
A61K 45/00 (2006.01)
A61P 35/00 (2006.01)
A61P 35/02 (2006.01)
A61P 43/00 (2006.01)
C12Q 1/06 (2006.01)
G01N 33/574 (2006.01)
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- (71)** Ono Pharmaceutical Co., Ltd.
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(51) Int. Cl.
C07D 205/04 (2006.01)
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(43) 25.02.2021
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(21) 2019461089 **(22)** 09.08.2019
(54) Medicament delivery device
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A61M 16/04 (2006.01)
(87) WO2021/029849
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(74) Armour IP Pty Ltd
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- (71)** Optimvia LLC
(11) AU-A-2020310172
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(54) Methods for synthesizing anticoagulant polysaccharides
(51) Int. Cl.
C12P 19/26 (2006.01)
C08B 37/00 (2006.01)
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(72) GESTEIRA, Tarsis Ferreira; LAJINESS, Daniel H.
(74) Allens Patent & Trade Mark Attorneys
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(54) Leakage detector system
(51) Int. Cl.
G01M 3/04 (2006.01)
E03F 5/04 (2006.01)
(87) WO2021/025607
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(11) AU-A-2020311020
(21) 2020311020 **(22)** 18.05.2020
(54) Pharmaceutical composition for nasal delivery
(51) Int. Cl.
A61K 9/16 (2006.01)
A61K 9/00 (2006.01)
A61K 31/485 (2006.01)
A61P 25/36 (2006.01)
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(31) 16/506,023 **(32)** 09.07.19 **(33)** US
(43) 14.01.2021
(72) SÄVMARKER, Jonas; RÖNN, Robert; FISCHER, Andreas
(74) Davies Collison Cave Pty Ltd
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(51) Int. Cl.
C07K 16/28 (2006.01)
A61K 35/17 (2015.01)
A61K 39/00 (2006.01)
A61P 35/00 (2006.01)
A61P 35/02 (2006.01)
C07K 14/705 (2006.01)
C07K 14/725 (2006.01)
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IS, Biagio; LOCATELLI, Franco
(74) FB Rice Pty Ltd
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inase/glucosinolate system
(51) Int. Cl.
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C12N 9/00 (2006.01)
C12N 9/22 (2006.01)
C12N 15/10 (2006.01)
C12N 15/113 (2010.01)
C12N 15/63 (2006.01)
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POORTEN, Thomas J.; MOJICA, Julius
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(21) 2020327970 **(22)** 11.08.2020
(54) Distributed queueing over a redis cluster
(51) Int. Cl.
G06F 9/54 (2006.01)
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(74) FPA Patent Attorneys Pty Ltd
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(54) Apparatus, system and method for monitoring a condition
(51) Int. Cl.
A61D 17/00 (2006.01)
A01K 29/00 (2006.01)
(87) WO2021/038235
(31) 1912384.3 **(32)** 29.08.19 **(33)** GB
(43) 04.03.2021
(72) PENTY, Edward
(74) WRAYS PTY LTD
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(21) 2020331283 **(22)** 07.08.2020
(54) Beverage-ingredient cartridge and cap for beverage-ingredient cartridge
(51) Int. Cl.
A47J 31/40 (2006.01)
B65D 25/08 (2006.01)
B65D 41/04 (2006.01)
B65D 43/02 (2006.01)
B65D 47/36 (2006.01)
B65D 51/28 (2006.01)
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(74) Allens Patent & Trade Mark Attorneys
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- (71)** PepsiCo, Inc.
(11) AU-A-2020335935
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(54) Intermediate menu, visual design tem-
plate, and interactive label

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(74) James & Wells Intellectual Property

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(21) 2019460226 (22) 08.08.2019
(54) Improved gas exchange system and method
(51) Int. Cl.
A61M 1/18 (2006.01)
B01D 63/02 (2006.01)
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(74) Michael Buck IP

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(54) Method, composition and kit for size selective enrichment of nucleic acids
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C12Q 1/68 (2018.01)
C07H 21/04 (2006.01)
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(31) 62/892,041 (32) 27.08.19 (33) US
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(74) LAMINAR IP PTY LTD

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(51) Int. Cl.
A61M 15/00 (2006.01)
A61M 15/06 (2006.01)
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(31) 19205471.6 (32) 25.10.19 (33) EP
(43) 29.04.2021
(72) CAMPITELLI, Gennaro; MOHSENI, Farhang
(74) James & Wells Intellectual Property

(71) Philip Morris Products S.A.
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(21) 2020372031 (22) 23.10.2020
(54) Inhaler article with folded distal end
(51) Int. Cl.
A61M 11/00 (2006.01)
A24F 42/20 (2020.01)
A24F 42/60 (2020.01)
A24F 47/00 (2020.01)
A61M 15/00 (2006.01)
A61M 15/06 (2006.01)
(87) WO2021/079341
(31) 19205453.4 (32) 25.10.19 (33) EP
(43) 29.04.2021
(72) CAMPITELLI, Gennaro
(74) James & Wells Intellectual Property

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(21) 2020381237 (22) 29.10.2020
(54) Aerosol-generating element for use in an aerosol-generating article or system
(51) Int. Cl.
A24B 15/167 (2020.01)
A24B 15/28 (2006.01)
A24F 47/00 (2020.01)
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(72) LAVANANT, Laurent; LI, Ping; ONG-MAYEB, Gisèle
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(21) 2020344961 (22) 10.09.2020
(54) Intraocular lens with extended depth of focus
(51) Int. Cl.
G06F 3/033 (2013.01)
A61F 2/16 (2006.01)
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BE2019/5669 09.10.19 BE
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(74) AJ PARK

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(11) AU-A-2020340368
(21) 2020340368 (22) 27.08.2020
(54) Call authentication at the call center using a mobile device

(51) Int. Cl.
H04W 12/00 (2021.01)
H04M 1/64 (2006.01)
H04M 3/22 (2006.01)
H04M 3/42 (2006.01)
H04M 3/436 (2006.01)
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(31) 62/893,033 (32) 28.08.19 (33) US
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(72) GUPTA, Payas; NELMS II, Terry
(74) RnB IP Pty Ltd

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(54) Multimodal renewable energy generation system
(51) Int. Cl.
F03D 9/00 (2016.01)
F03B 13/00 (2006.01)
F03B 13/10 (2006.01)
F03D 1/06 (2006.01)
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(31) 62/875,785 (32) 18.07.19 (33) US
(43) 21.01.2021
(72) PISHARODI, Madhavan
(74) Spruson & Ferguson

(71) Platform Gaming Technologies, Inc.
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(21) 2020329736 (22) 27.07.2020
(54) A system for an alternative version of poker
(51) Int. Cl.
A63F 13/335 (2014.01)
A63F 9/24 (2006.01)
(87) WO2021/030039
(31) 62/886,453 (32) 14.08.19 (33) US
(43) 18.02.2021
(72) HIRSCH, David Brian
(74) Spruson & Ferguson

(71) Polyplas International Pty Ltd
(11) AU-A-2020317372
(21) 2020317372 (22) 20.07.2020
(54) A beam clamp, and a mounting assembly
(51) Int. Cl.
F16L 3/24 (2006.01)
B25B 1/10 (2006.01)
B25B 5/10 (2006.01)
F16B 2/06 (2006.01)
(87) WO2021/012004
(31) 2019902556 (32) 19.07.19 (33) AU
(43) 28.01.2021
(72) LUSCOMBE, Peter; VAN VUUREN, John Jansen; SMITH, Tinus; WONG, Daryl; RENSCHAW, James
(74) Argon IP Advisory Pty Ltd

(71) Polyplus Transfection
(11) AU-A-2020324543
(21) 2020324543 (22) 05.08.2020
(54) Compositions for transfecting a nucleic acid molecule into a cell comprising

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- triazole compounds grafted to a cationic polymer, and their applications
(51) Int. Cl.
A61K 47/59 (2017.01)
C08G 73/02 (2006.01)
C12N 15/86 (2006.01)
C12N 15/87 (2006.01)
(87) WO2021/023798
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(72) HELLAL, Malik; STOCK, Fabrice; ERBACHER, Patrick; PHILIPSON, Yann; DENU, Mégane; RICOR-DEL, Marine; PREMARTIN, Fanny; BENCHIMOL, Thibaut; PORTE, Mathieu; TOUSSAINT MOREAU, Valérie; HAVARD, Jonathan
(74) Spruson & Ferguson
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- (71)** Polyplus Transfection
(11) AU-A-2020325705
(21) 2020325705 **(22)** 05.08.2020
(54) Compositions for transfecting a nucleic acid molecule into a cell comprising heterocyclic compounds grafted to a cationic polymer, and their applications
(51) Int. Cl.
A61K 47/59 (2017.01)
C08G 73/02 (2006.01)
C12N 15/86 (2006.01)
C12N 15/87 (2006.01)
(87) WO2021/023796
(31) 19315083.6 **(32)** 05.08.19 **(33)** EP
(43) 11.02.2021
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(74) Spruson & Ferguson
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- (71)** Powerhouse Energy Group PLC
(11) AU-A-2020312795
(21) 2020312795 **(22)** 20.07.2020
(54) Treatment of waste material
(51) Int. Cl.
B09B 3/00 (2006.01)
A61L 2/07 (2006.01)
A61L 11/00 (2006.01)
B01J 6/00 (2006.01)
C10J 1/00 (2006.01)
F23G 5/027 (2006.01)
F23G 5/033 (2006.01)
F23L 7/00 (2006.01)
(87) WO2021/009518
(31) 1910311.8 **(32)** 18.07.19 **(33)** GB
(43) 21.01.2021
(72) RYAN, David
(74) WRAYS PTY LTD
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- (71)** Powerhouse Energy Group PLC
(11) AU-A-2020314183
(21) 2020314183 **(22)** 20.07.2020
(54) Method and apparatus for the treatment of waste material
(51) Int. Cl.
B09B 3/00 (2006.01)
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- B09B 5/00** (2006.01)
C10B 47/00 (2006.01)
C10J 3/00 (2006.01)
C10J 3/72 (2006.01)
C10K 1/00 (2006.01)
F23G 5/00 (2006.01)
(87) WO2021/009519
(31) 1910313.4 **(32)** 18.07.19 **(33)** GB
(43) 21.01.2021
(72) RYAN, David
(74) WRAYS PTY LTD
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- (71)** Powerhouse Energy Group PLC
(11) AU-A-2020315189
(21) 2020315189 **(22)** 20.07.2020
(54) Method and apparatus for the treatment of waste material
(51) Int. Cl.
B09B 3/00 (2006.01)
C10B 47/00 (2006.01)
C10J 3/00 (2006.01)
C10J 3/72 (2006.01)
C10K 1/00 (2006.01)
F23G 5/00 (2006.01)
(87) WO2021/009520
(31) 1910309.2 **(32)** 18.07.19 **(33)** GB
(43) 21.01.2021
(72) RYAN, David
(74) WRAYS PTY LTD
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- (71)** PPG Industries Ohio, Inc.
(11) AU-A-2020330608
(21) 2020330608 **(22)** 14.08.2020
(54) Powder coating compositions comprising a polyester and a fluoropolymer and coatings formed therefrom
(51) Int. Cl.
C09D 5/03 (2006.01)
C09D 167/02 (2006.01)
C08K 5/00 (2006.01)
C08L 27/12 (2006.01)
C08L 29/10 (2006.01)
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(43) 18.02.2021
(72) BUSH, Travis Owen; BRADLEY, Paul W.; MONROY, Victor A.; REISING, John C.; DENG, Lan
(74) Minter Ellison
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- (71)** Praxair Technology, Inc.
(11) AU-A-2020332295
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(54) Temperature control using applied electromagnetic fields
(51) Int. Cl.
G01K 7/38 (2006.01)
(87) WO2021/034596
(31) 62/887,849 **(32)** 16.08.19 **(33)** US
(43) 25.02.2021
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(74) Maxwells Patent & Trade Mark Attorneys Pty Ltd
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(11) AU-A-2019463157
(21) 2019463157 **(22)** 30.08.2019
(54) Chewable heat-resistant oral dosage form with an agar matrix and production method for obtaining the chewable oral dosage form
(51) Int. Cl.
A23L 29/238 (2016.01)
A23G 3/48 (2006.01)
A23G 4/08 (2006.01)
A23L 29/256 (2016.01)
A61K 9/34 (2006.01)
A61K 9/68 (2006.01)
(87) WO2021/038280
(43) 04.03.2021
(72) OCAMPO SALGADO, Andrea; DOMINGUEZ MARIN, Lady Elizabeth; BERNAL GARCÍA, Gustavo Adolfo; CANO CABRERA, Juan Carlos
(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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- (71)** Proceq SA
(11) AU-A-2019452391
(21) 2019452391 **(22)** 13.08.2019
(54) Reconfigurable GPR device
(51) Int. Cl.
G01S 13/88 (2006.01)
G01S 13/34 (2006.01)
G01V 3/12 (2006.01)
G01S 7/02 (2006.01)
(87) WO2020/253975
(43) 24.12.2020
(72) LEHNER, Samuel; KNORR, Thomas; GEISER, Michael; TSALICOLOU, Isaak; POSER, Marcel
(74) Davies Collison Cave Pty Ltd
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- (71)** Prolacta Bioscience, Inc.
(11) AU-A-2020354581
(21) 2020354581 **(22)** 24.09.2020
(54) Compositions and methods for treatment of inflammatory and immune diseases
(51) Int. Cl.
A61K 35/745 (2015.01)
A61K 31/702 (2006.01)
A61P 1/00 (2006.01)
A61P 3/04 (2006.01)
A61P 3/10 (2006.01)
A61P 29/00 (2006.01)
A61P 37/00 (2006.01)
A61P 37/06 (2006.01)
A61P 43/00 (2006.01)
C12N 1/20 (2006.01)
(87) WO2021/061991
(31) 62/905,256 **(32)** 24.09.19 **(33)** US
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(43) 01.04.2021
(72) COOK, David N.; MCKENZIE, Gregory; BUTTON, Julie E.
(74) Allens Patent & Trade Mark Attorneys
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- (71)** Protembis GmbH
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(43) 28.01.2021
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(74) FB Rice Pty Ltd
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- (71) Queen Mary University of London
(11) AU-A-2020327667
(21) 2020327667 (22) 12.08.2020
(54) Methods for generating a population of polynucleotide molecules
(51) Int. Cl.
C12Q 1/6806 (2018.01)
(87) WO2021/028682
(31) 1911515.3 (32) 12.08.19 (33) GB
(43) 18.02.2021
(72) FICZ, Gabriella; SAUNDERSON, Emily
(74) Spruson & Ferguson
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- (71) R. J. Reynolds Tobacco Company
(11) AU-A-2020315219
(21) 2020315219 (22) 17.07.2020
(54) Thermal energy absorbers for tobacco heating products
(51) Int. Cl.
A24D 1/22 (2020.01)
(87) WO2021/009730
(31) 16/515,654 (32) 18.07.19 (33) US
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(74) FB Rice Pty Ltd
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- (71) Radio Systems Corporation
(11) AU-A-2020318909
(21) 2020318909 (22) 17.07.2020
(54) Systems and methods for remote multi-directional bark deterrence
(51) Int. Cl.
A01K 15/00 (2006.01)
A01M 29/00 (2011.01)
A01M 29/16 (2011.01)
A01M 29/18 (2011.01)
H04R 1/32 (2006.01)
H04R 1/40 (2006.01)
(87) WO2021/016105
(31) 16/522,593 (32) 25.07.19 (33) US
(43) 28.01.2021
(72) SELTZER, Richard; HUBER, Jonathan William; CASE, Paul; HATCHER, John
(74) FB Rice Pty Ltd
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B01D 53/86 (2006.01)
B01J 29/06 (2006.01)
B01J 35/10 (2006.01)
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(74) Pizzey's Patent and Trade Mark Attorneys Pty Ltd
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H01M 10/44 (2006.01)
H02J 7/00 (2006.01)
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 (74) Cotters Patent & Trade Mark Attorneys

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 (54) Method for manufacturing surface enhanced Raman spectroscopy tags

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G01N 21/00 (2006.01)
B01J 13/00 (2006.01)
B82Y 10/00 (2011.01)
B82Y 20/00 (2011.01)
B82Y 40/00 (2011.01)
G01N 21/65 (2006.01)
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 (54) Controlling an energy exchange
 (51) Int. Cl.
H02J 3/00 (2006.01)
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H02J 3/38 (2006.01)
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 (54) Method and transmission device for data transmission between two or more networks
 (51) Int. Cl.
H04L 9/40 (2022.01)
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A61F 13/08 (2006.01)

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A61K 47/68 (2017.01)
A61K 9/08 (2006.01)
A61K 9/19 (2006.01)
A61K 47/12 (2006.01)
A61K 47/18 (2017.01)
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A61K 9/00 (2006.01)
A61K 31/195 (2006.01)
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A61P 25/08 (2006.01)
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A01N 37/34 (2006.01)
A01N 43/653 (2006.01)
A01P 3/00 (2006.01)
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 (74) Patent Attorney Services

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A61K 31/714 (2006.01)
A61P 3/00 (2006.01)
 (87) WO2021/058514
 (31) 62/905,508 (32) 25.09.19 (33) US
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 (54) System and method for medical ultrasound with monitoring pad
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A61B 8/00 (2006.01)
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 (31) 62/886,638 (32) 14.08.19 (33) US
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 (72) VALOIS, Maxime; LANCTÔT, Jean-François; DOUVILLE, Hugo; LE DEVEHAT, Yannick; LEFEBVRE, Bernard
 (74) Dentons Patent Attorneys Australasia Limited

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H04N 19/126 (2014.01)
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 (51) Int. Cl.

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H04R 1/24 (2006.01)
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(54) Systems and methods for delivering therapy using an auricular stimulation device

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A61N 1/36 (2006.01)
A61N 1/04 (2006.01)
A61N 1/05 (2006.01)
A61N 1/06 (2006.01)
A61N 1/18 (2006.01)
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(74) FB Rice Pty Ltd

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(21) 2020333853 **(22)** 20.08.2020
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A47J 27/08 (2006.01)
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(51) Int. Cl.
A61K 31/56 (2006.01)
A61K 31/519 (2006.01)
A61K 31/5377 (2006.01)
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A61K 38/22 (2006.01)
A61P 5/38 (2006.01)
C07D 487/04 (2006.01)
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(74) FB Rice Pty Ltd

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(51) Int. Cl.
C09D 13/00 (2006.01)
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(43) 04.03.2021
(72) JAKOB, Martin
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(54) Targeted dendrimer conjugates

(51) Int. Cl.
A61K 47/56 (2017.01)
A61K 39/395 (2006.01)
A61K 39/44 (2006.01)
A61K 47/60 (2017.01)
A61P 35/00 (2006.01)
C07K 16/32 (2006.01)
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(21) 2020313981 **(22)** 17.07.2020
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(51) Int. Cl.
A61K 31/7088 (2006.01)
A61K 35/76 (2015.01)
A61K 38/00 (2006.01)
A61K 39/395 (2006.01)
C07K 16/18 (2006.01)
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(54) Systems and methods for end to end encryption utilizing a commerce platform for card not present transactions

(51) Int. Cl.
G06Q 20/04 (2012.01)
G06F 21/60 (2013.01)
G06F 21/62 (2013.01)
G06Q 20/08 (2012.01)
G06Q 20/22 (2012.01)
G06Q 20/30 (2012.01)
G06Q 20/36 (2012.01)
G06Q 20/40 (2012.01)
H04L 9/08 (2006.01)
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(54) Architectures, systems, and methods for card based transactions

(51) Int. Cl.
G06Q 20/00 (2012.01)
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(31) 16/523,528 **(32)** 26.07.19 **(33)** US
(43) 04.02.2021
(72) WALL, Jonathan
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(71) Subsea 7 Limited
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(54) Subsea umbilicals

(51) Int. Cl.
E21B 17/18 (2006.01)
E21B 17/20 (2006.01)
E21B 41/00 (2006.01)
E21B 43/013 (2006.01)
F16L 3/23 (2006.01)
F16L 11/22 (2006.01)
H02G 3/22 (2006.01)
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(72) PLENDERLEITH, Andrew Campbell
(74) Allens Patent & Trade Mark Attorneys

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(54) Method for controlling herbicide-resistant weed

(51) Int. Cl.
A01N 37/40 (2006.01)
A01N 43/54 (2006.01)
A01N 57/20 (2006.01)
A01P 13/00 (2006.01)
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 (21) 2020336580 (22) 28.08.2020
 (54) 2-aminoquinazolinone derivative
 (51) Int. Cl.
 A61P 21/02 (2006.01)
 A61K 31/4375 (2006.01)
 A61K 31/517 (2006.01)
 A61K 31/5355 (2006.01)
 A61P 25/00 (2006.01)
 A61P 29/00 (2006.01)
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 C07D 239/95 (2006.01)
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 (54) Driver circuit of power conversion device and application device thereof
 (51) Int. Cl.
 H02M 1/08 (2006.01)
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 (31) 201911127613.0 (32) 18.11.19 (33) CN
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 (51) Int. Cl.
 C07D 491/22 (2006.01)
 A61K 31/497 (2006.01)
 A61P 35/00 (2006.01)
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 (74) Phillips Ormonde Fitzpatrick
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- (71) Sun Pharmaceutical Industries Limited
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 (21) 2020325831 (22) 10.08.2020
 (54) Infusion dosage form of norepinephrine
 (51) Int. Cl.
 A61K 9/00 (2006.01)
 A61K 9/08 (2006.01)
 A61K 31/00 (2006.01)
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 (21) 2020320849 (22) 30.07.2020
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 (51) Int. Cl.
 C07H 15/256 (2006.01)
 A23L 27/00 (2016.01)
 C12N 15/09 (2006.01)
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 (21) 2020323449 (22) 30.07.2020
 (54) Plant body containing novel steviol glycoside
 (51) Int. Cl.
 A01H 1/06 (2006.01)
 A01H 6/14 (2018.01)
 A23L 27/00 (2016.01)
 C07H 15/256 (2006.01)
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 (51) Int. Cl.
 A23L 2/60 (2006.01)
 A23L 2/00 (2006.01)
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 (51) Int. Cl.
 A23L 27/00 (2016.01)
 A23L 2/60 (2006.01)
 A23L 27/10 (2016.01)
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 (31) 2019-153111 (32) 23.08.19 (33) JP
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 (21) 2020326432 (22) 07.07.2020
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 (51) Int. Cl.
 A01K 97/06 (2006.01)
 B65D 25/04 (2006.01)
 (87) WO2021/025817
 (31) 62/882,986 (32) 05.08.19 (33) US
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 (74) Adams Pluck
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- (71) Suzuken Kabushiki Kaisha
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 (54) Peracetic acid formulation concentration determination method
 (51) Int. Cl.
 G01N 31/00 (2006.01)
 G01N 21/78 (2006.01)
 (87) WO2021/039228
 (31) 2019-152431 (32) 23.08.19 (33) JP
 (43) 04.03.2021
 (72) SUZUKI, Hiroyuki
 (74) FB Rice Pty Ltd
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- (71) SWM Luxembourg
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 (21) 2020314462 (22) 06.07.2020
 (54) Fluoroplastic support membrane
 (51) Int. Cl.
 B01D 46/10 (2006.01)
 B01D 29/01 (2006.01)
 B01D 29/13 (2006.01)
 B01D 35/02 (2006.01)
 B01D 46/52 (2006.01)
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 (31) 62/873,374 (32) 12.07.19 (33) US
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G01N 33/50 (2006.01)
C07K 14/33 (2006.01)
G01N 33/542 (2006.01)
- (87) WO2021/028868
(31) 62/885,853 (32) 13.08.19 (33) US
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(74) Griffith Hack
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(21) 2020331684 (22) 14.08.2020
(54) Apparatus and method for converting existing sowing equipment
- (51) Int. Cl.
A01C 1/06 (2006.01)
A01C 7/06 (2006.01)
A01C 7/10 (2006.01)
- (87) WO2021/032632
(31) 19192907.4 (32) 21.08.19 (33) EP
(43) 25.02.2021
(72) RICKARD, Jamie; LUPFER, Christophe; GRIMM, Christoph
(74) Davies Collison Cave Pty Ltd
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- (71) Syngenta Participations AG
(11) AU-A-2020332746
(21) 2020332746 (22) 14.08.2020
(54) Sowing device and method for treating seeds during planting
- (51) Int. Cl.
A01C 1/06 (2006.01)
A01C 7/06 (2006.01)
A01C 23/00 (2006.01)
- (87) WO2021/032630
(31) 19192910.8 (32) 21.08.19 (33) EP
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(72) RICKARD, Jamie; LUPFER, Christophe; GRIMM, Christoph
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- (71) Syngenta Participations AG
(11) AU-A-2020332747
(21) 2020332747 (22) 14.08.2020
(54) High precision greenhouse seed and seedling treatment
- (51) Int. Cl.
A01C 1/06 (2006.01)
A01C 7/06 (2006.01)
A01C 11/02 (2006.01)
A01C 7/10 (2006.01)
A01G 9/08 (2006.01)
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(31) 19192906.6 (32) 21.08.19 (33) EP
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(21) 2020333829 (22) 14.08.2020
(54) Precision treatment and sowing or planting method and device
- (51) Int. Cl.
A01C 1/06 (2006.01)
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H04L 9/08 (2006.01)
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B63G 8/00 (2006.01)
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F16J 15/34 (2006.01)

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(71) Tompkins Robotics, Inc.

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(21) 2020340248 **(22)** 19.08.2020
(54) Sequencing parcel sorter

(51) Int. Cl.
G06Q 10/08 (2012.01)
B07C 3/00 (2006.01)
G06Q 10/04 (2012.01)
G06Q 10/10 (2012.01)
G06Q 50/28 (2012.01)

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(31) 62/892,575 **(32)** 28.08.19 **(33)** US
(43) 04.03.2021

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(74) RnB IP Pty Ltd

(71) Touchstone International Medical Science Co., Ltd.

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(21) 2020335820 **(22)** 27.08.2020
(54) Closing driving mechanism and medical stapler comprising same

(51) Int. Cl.
A61B 17/115 (2006.01)
(87) WO2021/037154

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(21) 2020338903 **(22)** 27.08.2020

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- (51) Int. Cl.
A61B 17/072 (2006.01)
A61B 17/068 (2006.01)
A61B 17/115 (2006.01)
- (87) WO2021/037153
- (31) 201910806837.8 (32) 29.08.19 (33) CN
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- (21) 2020338904 (22) 27.08.2020
- (54) Closing driving mechanism and medical stapler comprising same
- (51) Int. Cl.
A61B 17/115 (2006.01)
- (87) WO2021/037155
- (31) 201910806818.5 (32) 29.08.19 (33) CN
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- (51) Int. Cl.
A01K 29/00 (2006.01)
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- (21) 2020327612 (22) 12.08.2020
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- (51) Int. Cl.
A61K 35/30 (2015.01)
A61F 2/14 (2006.01)
A61L 27/00 (2006.01)
A61L 27/36 (2006.01)
A61P 27/02 (2006.01)
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- (31) FR1909155 (32) 12.08.19 (33) FR
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- (74) SR Intellectual Property
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- (21) 2020315222 (22) 10.07.2020
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B28B 1/30 (2006.01)
B29C 64/112 (2017.01)
B29C 64/118 (2017.01)
B29C 64/188 (2017.01)
B29C 64/209 (2017.01)
B33Y 10/00 (2015.01)
B33Y 30/00 (2015.01)
B33Y 70/00 (2020.01)
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- (51) Int. Cl.
A61M 16/00 (2006.01)
A61M 15/08 (2006.01)
A61M 16/04 (2006.01)
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F42B 5/307 (2006.01)
F42B 5/00 (2006.01)
F42B 5/02 (2006.01)
F42B 5/26 (2006.01)
F42B 5/313 (2006.01)
F42B 7/06 (2006.01)
F42B 33/00 (2006.01)
F42C 19/08 (2006.01)
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- (51) Int. Cl.
C07D 471/04 (2006.01)
A61K 31/437 (2006.01)
A61K 31/5377 (2006.01)
A61P 1/16 (2006.01)
A61P 25/28 (2006.01)
A61P 31/16 (2006.01)
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E05F 5/02 (2006.01)
E05F 1/12 (2006.01)
E05F 3/20 (2006.01)
E05F 5/10 (2006.01)
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C12Q 1/6844 (2018.01)
C12Q 1/6855 (2018.01)
C12Q 1/686 (2018.01)
C12Q 1/6869 (2018.01)
C12Q 1/6874 (2018.01)
C12Q 1/6876 (2018.01)
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H01L 51/00 (2006.01)
H01L 51/42 (2006.01)
H01L 51/46 (2006.01)
H01L 51/50 (2006.01)
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- (11) AU-A-2020314838
- (21) 2020314838 (22) 16.07.2020
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A61N 1/36 (2006.01)
A61B 5/053 (2021.01)

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G01N 15/08 (2006.01)
G01N 27/22 (2006.01)
G01R 27/26 (2006.01)
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 SANGHVI, Bhaumik
(74) FB Rice Pty Ltd
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(21) 2020331685 **(22)** 14.08.2020
(54) Cell culture medium for cultivating cells,
 method for cultivating cells, and method
 for expressing at least one recombinant
 protein in a cell culture
(51) Int. Cl.
C12N 5/00 (2006.01)
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(74) Golja Haines & Friend
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(21) 2020328503 **(22)** 08.08.2020
(54) Overmolding techniques and related
 articles produced therefrom
(51) Int. Cl.
B29C 45/14 (2006.01)
A61C 7/08 (2006.01)
A61C 19/06 (2006.01)
(87) WO2021/030231
(31) 62/885,060 **(32)** 09.08.19 **(33)** US
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 David L.; PEASLEE, Lynn W.
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 Ltd
(11) AU-A-2021307473
(21) 2021307473 **(22)** 15.07.2021
(54) Open loop connector
(51) Int. Cl.
F15B 1/02 (2006.01)
(87) WO2022/011423
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(43) 20.01.2022
(72) UNDERWOOD, Daniel Charles
(74) Intellepro
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(11) AU-A-2020315664
(21) 2020315664 **(22)** 20.07.2020
(54) Method of forming and using a hemo-
 static hydrocolloid
(51) Int. Cl.
A61L 15/24 (2006.01)
A61L 15/26 (2006.01)
A61L 15/42 (2006.01)
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(74) Davies Collison Cave Pty Ltd
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(11) AU-A-2020335005
(21) 2020335005 **(22)** 18.08.2020
(54) High strength steel products and an-
 nealing processes for making the same
(51) Int. Cl.
C21D 1/19 (2006.01)
C21D 1/25 (2006.01)
C21D 1/26 (2006.01)
C21D 1/28 (2006.01)
C21D 6/00 (2006.01)
C21D 8/02 (2006.01)
C21D 8/04 (2006.01)
C21D 9/46 (2006.01)
C21D 9/48 (2006.01)
C22C 38/02 (2006.01)
C22C 38/04 (2006.01)
C22C 38/06 (2006.01)
C22C 38/12 (2006.01)
C22C 38/14 (2006.01)
C23C 2/00 (2006.01)
C23C 2/40 (2006.01)
C25D 3/00 (2006.01)
C25D 7/06 (2006.01)
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(31) 16/544,127 **(32)** 19.08.19 **(33)** US
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 Augusto; MCCOSBY, Matthew Michael
(74) Puzzezo Patent and Trade Mark Attor-
 neys Pty Ltd
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- (71)** Universidad de Santiago de Chile
(11) AU-A-2020300261
(21) 2020300261 **(22)** 03.07.2020
(54) Polymer nanocomposite comprising a
 melt mixture of virgin pet and recycled
 pet with clay; method for preparing the
 nanocomposite; and use thereof in the
 manufacture of mouldable objects or
 films, including packages, containers
 and fibres, among others
(51) Int. Cl.
C08G 63/02 (2006.01)
C08G 63/183 (2006.01)
C08J 11/04 (2006.01)
C08J 11/06 (2006.01)
C08K 3/34 (2006.01)
C08K 5/19 (2006.01)
C08K 9/00 (2006.01)
C08L 67/02 (2006.01)
(87) WO2021/000058
(31) 1845-2019 **(32)** 03.07.19 **(33)** CL
(43) 07.01.2021
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 MO, Ana Carolina; VELÁSQUEZ
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 AYALA, Luan Ayelen; GUARDA MOR-
 AGA, Abel; GALOTTO LOPEZ, Maria
 José
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(21) 2020319732 **(22)** 29.07.2020
(54) MHC class II molecules and methods of
 use thereof
(51) Int. Cl.
C07K 14/74 (2006.01)
A61K 38/17 (2006.01)
A61P 31/00 (2006.01)
A61P 35/00 (2006.01)
C12N 15/12 (2006.01)
(87) WO2021/019474
(31) 62/880,509 **(32)** 30.07.19 **(33)** US
 63/029,115 22.05.20 US
(43) 04.02.2021
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 Tingxi
(74) Spruson & Ferguson
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(11) AU-A-2020320129
(21) 2020320129 **(22)** 29.07.2020
(54) T cell receptors and methods of use
 thereof
(51) Int. Cl.
C12N 15/867 (2006.01)
A61K 35/17 (2015.01)
A61P 35/00 (2006.01)
C07K 14/725 (2006.01)
C12N 5/0783 (2010.01)
C12N 15/113 (2010.01)
C12N 15/12 (2006.01)
C12N 15/63 (2006.01)
(87) WO2021/019471
(31) 62/880,505 **(32)** 30.07.19 **(33)** US
(43) 04.02.2021
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 SASO, Kayoko
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(11) AU-A-2020320445
(21) 2020320445 **(22)** 29.07.2020
(54) T cell receptors and methods of use
 thereof
(51) Int. Cl.
C12N 15/867 (2006.01)
A61K 35/17 (2015.01)
A61P 35/00 (2006.01)
C07K 14/725 (2006.01)
(87) WO2021/019472
(31) 62/880,504 **(32)** 30.07.19 **(33)** US
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 SASO, Kayoko
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(11) AU-A-2020321710
(21) 2020321710 **(22)** 29.07.2020
(54) Methods of identifying T cell receptors
(51) Int. Cl.
G01N 33/566 (2006.01)
C07K 14/73 (2006.01)
C12N 15/12 (2006.01)
(87) WO2021/019476
(31) 62/880,492 **(32)** 30.07.19 **(33)** US
 63/029,103 22.05.20 US
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 Munehide; YAMASHITA, Yuki; SUG-

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(21) 2020322246 **(22)** 29.07.2020
(54) MHC class II molecules and methods of use thereof
(51) Int. Cl.
C07K 14/74 (2006.01)
A61K 38/17 (2006.01)
A61P 35/00 (2006.01)
C12N 5/07 (2010.01)
C12N 15/12 (2006.01)
G01N 33/567 (2006.01)
(87) WO2021/019473
(31) 62/880,501 **(32)** 30.07.19 **(33)** US
 63/029,114 22.05.20 US
(43) 04.02.2021
(72) HIRANO, Naoto; SUGATA, Kenji
(74) Spruson & Ferguson
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- (71)** University Health Network
(11) AU-A-2020322247
(21) 2020322247 **(22)** 29.07.2020
(54) T cell receptors and methods of use thereof
(51) Int. Cl.
C12N 15/867 (2006.01)
A61K 35/17 (2015.01)
A61P 35/00 (2006.01)
C07K 14/725 (2006.01)
C12N 15/113 (2010.01)
C12N 15/12 (2006.01)
C12N 15/63 (2006.01)
(87) WO2021/019477
(31) 62/880,508 **(32)** 30.07.19 **(33)** US
(43) 04.02.2021
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(54) MHC class II molecules and methods of use thereof
(51) Int. Cl.
C07K 14/74 (2006.01)
A61P 31/00 (2006.01)
A61P 35/00 (2006.01)
C12N 5/10 (2006.01)
C12N 15/12 (2006.01)
C12Q 1/02 (2006.01)
G01N 33/566 (2006.01)
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(21) 2020330121 **(22)** 14.08.2020
(54) AAV capsid variants for gene therapy
(51) Int. Cl.
C07K 14/015 (2006.01)
C12N 15/864 (2006.01)
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(31) 62/886,915 **(32)** 14.08.19 **(33)** US
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(74) Pizzzeys Patent and Trade Mark Attorneys Pty Ltd
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(11) AU-A-2020338014
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(54) Improved production of recombinant AAV using embryonated avian eggs
(51) Int. Cl.
A61K 35/76 (2015.01)
A61K 48/00 (2006.01)
C12N 5/10 (2006.01)
C12N 7/00 (2006.01)
C12N 7/01 (2006.01)
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C12N 15/86 (2006.01)
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(21) 2020327651 **(22)** 24.07.2020
(54) Predicting visible/infrared band images using radar reflectance/backscatter images of a terrestrial region
(51) Int. Cl.
G06T 5/00 (2006.01)
G01C 11/02 (2006.01)
G01S 13/90 (2006.01)
G06N 3/04 (2006.01)
(87) WO2021/028650
(31) 1911577.3 **(32)** 13.08.19 **(33)** GB
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(72) GEACH, James Edward; SMITH, Michael James
(74) FOUNDRY INTELLECTUAL PROPERTY PTY LTD
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(21) 2020345766 **(22)** 09.09.2020
(54) Methods and materials for increasing level of phosphorylated AMPK protein
(51) Int. Cl.
A61K 31/133 (2006.01)
A61K 31/135 (2006.01)
A61P 31/00 (2006.01)
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(11) AU-A-2020326491
(21) 2020326491 **(22)** 06.08.2020
(54) Herbicidal combination
(51) Int. Cl.
A01N 47/14 (2006.01)
A01N 33/18 (2006.01)
A01N 37/22 (2006.01)
A01N 39/02 (2006.01)
A01N 43/40 (2006.01)
A01N 43/50 (2006.01)
A01N 43/54 (2006.01)
A01N 43/653 (2006.01)
A01N 43/66 (2006.01)
A01N 43/70 (2006.01)
A01N 43/80 (2006.01)
A01N 43/88 (2006.01)
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A01N 47/30 (2006.01)
A01N 47/36 (2006.01)
A01N 47/38 (2006.01)
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(43) 11.02.2021
(72) FABRI, Carlos Eduardo; PEREIRA, Rafael Henriq; SILVA, Ferdinando
(74) Churchill Attorneys
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- (71)** UPL Limited
(11) AU-A-2020318962
(21) 2020318962 **(22)** 01.07.2020
(54) Novel agrochemical combinations
(51) Int. Cl.
A01N 59/00 (2006.01)
A01N 25/02 (2006.01)
A01N 43/40 (2006.01)
A01N 43/56 (2006.01)
A01N 43/90 (2006.01)
A01N 47/02 (2006.01)
A01N 47/34 (2006.01)
A01N 47/40 (2006.01)
A01N 51/00 (2006.01)
A01N 53/00 (2006.01)
A01N 57/28 (2006.01)
(87) WO2021/014240
(31) 201921030147 **(32)** 25.07.19 **(33)** IN
(43) 28.01.2021
(72) SANGLE, Prabhakar
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(54) SOFC-conduction
(51) Int. Cl.
H01M 8/04 (2016.01)
H01M 8/0432 (2016.01)

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H01M 8/04701 (2016.01)
H01M 8/04746 (2016.01)
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(72) PALUMBO, Nathan; OSEMAR, Paul;
 OTIS, Matthew; PILCZAK, James
(74) FPA Patent Attorneys Pty Ltd
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 pement
(11) AU-A-2020325776
(21) 2020325776 **(22)** 29.07.2020
(54) Elastomer composition
(51) Int. Cl.
C09J 123/22 (2006.01)
A61L 15/58 (2006.01)
C08L 23/22 (2006.01)
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 Nationale Veterinaire de Toulouse;
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C12N 5/071 (2010.01)
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G01N 33/50 (2006.01)
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C01B 33/32 (2006.01)
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C12N 5/077 (2010.01)
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C04B 33/00 (2006.01)
C04B 18/00 (2006.01)
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C04B 20/00 (2006.01)
C04B 20/02 (2006.01)
C04B 33/135 (2006.01)
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B29C 64/124 (2017.01)
A61L 27/58 (2006.01)
A61L 31/14 (2006.01)
C08G 63/02 (2006.01)
C08J 3/24 (2006.01)
C08L 67/07 (2006.01)
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B66C 13/06 (2006.01)
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F16B 13/08 (2006.01)
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C25B 1/30 (2006.01)
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H01L 31/04 (2014.01)
H02S 20/10 (2014.01)
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C07K 16/46 (2006.01)
A61K 39/395 (2006.01)
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C12N 15/09 (2006.01)
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H04B 17/12 (2015.01)
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H04L 5/00 (2006.01)
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G06N 10/00 (2019.01)
B82Y 10/00 (2011.01)
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B60L 53/66 (2019.01)
B60L 53/00 (2019.01)
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C07D 471/14 (2006.01)
A61K 31/437 (2006.01)
A61P 11/06 (2006.01)
C07D 487/14 (2006.01)
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(74) Wynnes Patent and Trade Mark Attorneys Pty Ltd
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H04W 74/08 (2009.01)
H04W 76/27 (2018.01)
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H04W 24/04 (2009.01)
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(51) Int. Cl.

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| 2019456113 | Wuhan YZY Biopharma Co., Ltd. | 2020309223 | TECNIMEDE - Sociedade Técnico-Medicinal, S.A |
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| 2019457026 | Heo, K. | 2020309524 | WestRock Packaging Systems, LLC |
| 2019457059 | Lamrock Canada Incorporated | 2020309556 | Crapaud Bio, Inc. |
| 2019457235 | Hanmi Pharm. Co., Ltd. | 2020309583 | Mettler-Toledo, LLC |
| 2019457244 | Raider Targetry Pty Ltd | 2020309745 | Janssen Pharmaceutica NV |
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| 2019457379 | Kimberly-Clark Worldwide, Inc. | 2020309851 | Juster, B.G. |
| 2019457541 | Kimberly-Clark Worldwide, Inc. | 2020309946 | Tokyo Institute of Technology; Daiichi Sankyo Company, Limited |
| 2019457568 | Kimberly-Clark Worldwide, Inc. | 2020310019 | LG Electronics Inc. |
| 2019457740 | ClearStream Technologies Limited | 2020310020 | LG Electronics Inc. |
| 2019457816 | iBiquity Digital Corporation | 2020310120 | Belite Bio, LLC |
| 2019457852 | KMZ Holdings LLC | 2020310168 | Kytodent, LLC; Keeton, D. |
| 2019458202 | GOJO Industries, Inc. | 2020310172 | Optimvia LLC |
| 2019458403 | Astec, Inc. | 2020310591 | CAPSCAN (PTY) LTD |
| 2019460131 | Lamle, S. | 2020310768 | LG Electronics Inc. |
| 2019460226 | Petrolim Nasional Berhad (Petronas); Dalian Institute of Chemical Physics, Chinese Academy of Sciences | 2020310855 | Life Technologies Corporation |
| 2019460300 | ZTE Corporation | 2020310892 | Mythic Therapeutics, Inc. |
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| 2019461059 | Nippon Telegraph and Telephone Corporation | 2020311004 | National University Of Ireland, Galway |
| 2019461061 | Nippon Telegraph and Telephone Corporation | 2020311020 | Orexo AB |
| 2019461089 | ONY Biotech Inc. | 2020311031 | CMR Surgical Limited |
| 2019461142 | ZTE Corporation | 2020311059 | Gharda Chemicals Limited |
| 2019461478 | Ecolab USA Inc. | 2020311239 | LG Electronics Inc. |
| 2019462141 | Holistick Medical | 2020311300 | NewSouth Innovations Pty Limited; The Commonwealth of Australia represented by the Department of Defence |
| 2019462145 | Sound Fun Corporation | 2020311404 | Cura Therapeutics, LLC |
| 2019462166 | Immvira Co., Limited | 2020311618 | Centre National de la Recherche Scientifique; Université de Nantes; INSERM (Institut National de la Santé et de la Recherche Médicale); Centre Hospitalier Universitaire de Nantes |
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| 2019463001 | Watt Fuel Cell Corp. | 2020311845 | Wayne Fueling Systems LLC |
| 2019463023 | Lee, S.; Li, C. | 2020311877 | Case Western Reserve University |
| 2019463156 | Cellin Technologies OÜ; Taastava Kirurgia Kliinik AS | 2020312166 | Schmidt-Böcking, H.; Luther, G. |
| 2019463157 | Procaps S.A. | 2020312361 | G2GBio, Inc. |
| 2019464016 | Sandvik Mining and Construction G.m.b.H. | 2020312373 | LG Electronics Inc. |
| 2019464913 | VUAB Pharma a.s. | 2020312560 | Københavns Universitet; Danmarks Tekniske Universitet |
| 2019465436 | Sandvik Mining and Construction G.m.b.H. | 2020312637 | Evonik Operations GmbH |
| 2019465548 | Cardiol Therapeutics Inc. | 2020312642 | Elekta AB (publ) |
| 2019465791 | NTT DOCOMO, INC. | 2020312725 | Technische Universität München |
| 2019468555 | Sandvik Mining and Construction Oy | 2020312746 | TfChem |
| 2019471554 | ViaSat, Inc. | 2020312752 | SCW Systems B.V. |
| 2019472715 | Fujikura Ltd. | 2020312795 | Powerhouse Energy Group PLC |
| 2019473170 | Exolaunch GmbH | 2020313312 | OncoArendi Therapeutics S.A. |
| 2019474242 | Halliburton Energy Services, Inc. | 2020313511 | Evonik Operations GmbH |
| 2019474764 | Northquip Inc. | 2020313544 | Hagepe International B.V.; Cenergist Limited |
| 2019477004 | Halliburton Energy Services, Inc. | 2020313592 | Abion Inc. |
| 2019479309 | Halliburton Energy Services, Inc. | 2020313858 | Spark Biomedical, Inc. |
| 2020227121 | Nanjing Wurui Biodegradable New Material Research Institute Co., Ltd. | 2020313880 | Capital One Services, LLC |
| 2020227123 | Nanjing Wurui Biodegradable New Material Research Institute Co., Ltd. | 2020313943 | William Marsh Rice University |
| 2020298552 | Gritstone Bio, Inc. | 2020313965 | Cytokinetics, Inc. |
| 2020299055 | LG Electronics Inc. | 2020313981 | Stichting Sanquin Bloedvoorziening |
| 2020299425 | CSL Behring GmbH | 2020313994 | Saluda Medical Pty Ltd |
| 2020300261 | Universidad de Santiago de Chile | 2020314005 | Scott Flett Architecture Workshop Pty Ltd |
| 2020300818 | Janssen Sciences Ireland Unlimited Company | 2020314044 | Monash University |
| 2020300820 | CSL Behring Lenggau AG | 2020314183 | Powerhouse Energy Group PLC |
| 2020301584 | Protembis GmbH | 2020314305 | Hagepe International B.V.; Cenergist Limited |
| 2020302958 | Hudson Institute of Medical Research; Monash IVF Pty Ltd | | |
| 2020303897 | GBS Global Biopharma, Inc. | | |

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

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| 2020314310 | Punchbowl Packaging Limited | 2020317083 | Adama Makhteshim Ltd. |
| 2020314315 | Obshchestvo S Ogranichennoy Otvetstvennost'yu "Obedinennaya Kompaniya Rusal Inzhenerno- tekhnologicheskii Tsentr" | 2020317084 | Nicox Ophthalmics, Inc. |
| 2020314333 | Agency for Science, Technology and Research; National University of Singapore | 2020317120 | Adama Makhteshim Ltd. |
| 2020314335 | Turna d.o.o | 2020317372 | Polyplas International Pty Ltd |
| 2020314455 | XCOM Labs, Inc. | 2020317379 | Drp Ventures Inc. |
| 2020314462 | SWM Luxembourg | 2020317617 | Safeguard Biosystems Holdings Ltd. |
| 2020314543 | Capital One Services, LLC | 2020317642 | Boehringer Ingelheim International GmbH |
| 2020314674 | SICPA HOLDING SA | 2020317711 | Takeda Pharmaceutical Company Limited |
| 2020314723 | Pisharodi, M. | 2020317713 | HPC Okinawa Co.,Ltd. |
| 2020314838 | UE LifeSciences Inc. | 2020317848 | Big Foot Systems Limited |
| 2020314883 | MeiraGTx UK II Limited; University of Heidelberg | 2020318214 | Xiamen Amoytop Biotech Co., Ltd.; Biosteed Gene Transformation Tech.Co., Ltd. |
| 2020314956 | Case Western Reserve University | 2020318658 | MIS.Carbonart Pty Ltd |
| 2020314966 | The Board of Trustees of the Leland Stanford Junior University | 2020318660 | MIS.Carbonart Pty Ltd |
| 2020314975 | ARRIS Enterprises LLC | 2020318673 | Lazar Entertainment Inc. |
| 2020315113 | Elekta AB (publ) | 2020318674 | Lazar Entertainment Inc. |
| 2020315139 | Freezio AG | 2020318677 | Mondias Natural Products Inc |
| 2020315189 | Powerhouse Energy Group PLC | 2020318682 | Bayer Aktiengesellschaft |
| 2020315219 | R. J. Reynolds Tobacco Company | 2020318786 | National University of Ireland, Galway |
| 2020315222 | Tritone Technologies Ltd. | 2020318849 | EOS ITR, S.L. |
| 2020315369 | Sanofi Biotechnology; Regeneron Pharmaceuticals, Inc. | 2020318888 | Thirdwayv, Inc. |
| 2020315373 | Goodrich, D. | 2020318909 | Radio Systems Corporation |
| 2020315399 | Hunzeker, D. | 2020318955 | CSTS Health Care Inc. |
| 2020315403 | Anchor Manufacturing Group, Inc. | 2020318962 | UPL Limited |
| 2020315432 | AnToIRx, Inc. | 2020318970 | Spruce Biosciences, Inc. |
| 2020315433 | Cytokinetics, Inc. | 2020319022 | BioPharma Synergies, S.L. |
| 2020315500 | Dorrington, A. | 2020319084 | Inspire Medical Systems, Inc. |
| 2020315554 | MAKO Surgical Corp. | 2020319085 | ExoAnalytic Solutions, Inc. |
| 2020315567 | Nelson Irrigation Corporation | 2020319088 | Envistacom, LLC |
| 2020315585 | EVÖQ Nano, Inc. | 2020319089 | Brigham Young University |
| 2020315598 | Gilead Sciences, Inc. | 2020319687 | Corduff, M. |
| 2020315605 | MyoKardia, Inc. | 2020319732 | University Health Network |
| 2020315640 | Kinnate Biopharma Inc. | 2020319737 | Lexicon Pharmaceuticals, Inc. |
| 2020315642 | Cytokinetics, Inc. | 2020319779 | Bloom Technology, Inc. |
| 2020315664 | United Health Products, Inc. | 2020319853 | A O Ideas GmbH |
| 2020315677 | Hagepe International B.V.; Cenergist Limited | 2020319898 | Aquantis, Inc. |
| 2020315795 | Gifted Bill Enterprises LLC | 2020320015 | I4F Licensing NV |
| 2020315800 | The Trustees of Columbia University in the City of New York; Seneca Therapeutics, Inc. | 2020320022 | Atlas Pharmaceuticals BV |
| 2020315822 | Landis+Gyr Innovations, Inc. | 2020320034 | Karl-Franzens-Universität Graz; Technische Universität Graz |
| 2020315842 | Venostent, Inc.; Sears, C. | 2020320129 | University Health Network |
| 2020315857 | Adaptive 3D Technologies, LLC | 2020320222 | Gennova Biopharmaceuticals Limited |
| 2020315866 | Inspire Medical Systems, Inc. | 2020320260 | Yeditepe Universitesi |
| 2020315878 | OncoResponse, Inc. | 2020320298 | Mean Green Products, LLC |
| 2020315905 | Cyber Crucible Inc. | 2020320351 | AgJunction LLC |
| 2020315918 | Inspire Medical Systems, Inc. | 2020320353 | Amgen Inc. |
| 2020315925 | Genzyme Corporation | 2020320436 | NextFerm Technologies Ltd. |
| 2020315931 | Talis Biomedical Corporation | 2020320445 | University Health Network |
| 2020315955 | Igenomx International Genomics Corporation | 2020320459 | The Hospital for Sick Children; The Governing Council of the University of Toronto |
| 2020316002 | The University of Chicago | 2020320499 | Lexicon Pharmaceuticals, Inc. |
| 2020316011 | BridGene Biosciences, Inc. | 2020320509 | EF Polymer K.K. |
| 2020316076 | Howmedica Osteonics Corp. | 2020320849 | Suntory Holdings Limited |
| 2020316080 | Board of Regents, The University of Texas System; Axxam S.p.A. | 2020320861 | Ambys Medicines, Inc. |
| 2020316105 | Inspire Medical Systems, Inc. | 2020320865 | Crossroads Extremity Systems, LLC |
| 2020316242 | MIS.CARBONART PTY LTD (a subsidiary of Mineral Resources Limited) | 2020320870 | AgJunction LLC |
| 2020316243 | Cincera Therapeutics Pty Ltd | 2020320992 | Zhuhai Yufan Biotechnologies Co., Ltd |
| 2020316435 | Purdue Research Foundation | 2020321022 | Nymox Corporation |
| 2020316640 | Actelion Pharmaceuticals Ltd | 2020321288 | FORSCHUNGSZENTRUM BORSTEL LEIBNIZ LUNGENZENTRUM |
| 2020316708 | Instil Bio (UK) Limited | 2020321354 | Nkarta, Inc. |
| 2020316867 | Institut Gustave Roussy | 2020321357 | John Mezzalingua Associates, LLC |
| 2020316944 | Emblation Limited | 2020321370 | BioSkryb, Inc.; St. Jude Children's Research Hospital, Inc. |
| 2020316961 | Ospedale Pediatrico Bambino Gesu' | 2020321429 | CommScope Technologies LLC |
| 2020316962 | Coegin Pharma AS | 2020321464 | Faiveley Transport Amiens |
| 2020316989 | The Global Alliance for TB Drug Development, Inc. | 2020321604 | Essilor International |
| 2020317058 | Aerotec Power Pty Ltd | 2020321710 | University Health Network |
| 2020317061 | MIS.CARBONART PTY LTD (a subsidiary of Mineral Resources Limited) | 2020321805 | Stripe, Inc. |
| | | 2020321898 | OKYO Pharma Limited |
| | | 2020321991 | Twinstrand Biosciences, Inc. |
| | | 2020322027 | BioSkryb Genomics, Inc. |

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

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|------------|--|------------|---|
| 2020322102 | Ceva Sante Animale | 2020325690 | Fundacio Clinic per a la Recerca Biomedica; Hospital Clinic de Barcelona; Institut d'investigacions Biomèdiques August Pi i Sunyer (IDIBAPS); Universitat de Barcelona |
| 2020322191 | The Pirbright Institute | 2020325705 | Polyplus Transfection |
| 2020322192 | Jemella Limited | 2020325721 | ObsEva S.A. |
| 2020322246 | University Health Network | 2020325723 | Cambridge Enterprise Limited |
| 2020322247 | University Health Network | 2020325753 | GlaxoSmithKline Intellectual Property Development Limited |
| 2020322414 | Clarke, R. | 2020325766 | SIPCAM OXON S.p.A. |
| 2020322425 | American Sterilizer Company | 2020325770 | Aprinoia Therapeutics Limited |
| 2020322457 | CareFusion 303, Inc. | 2020325776 | Urgo Recherche Innovation et Developpement |
| 2020322790 | Baylor College of Medicine | 2020325831 | Sun Pharmaceutical Industries Limited |
| 2020322793 | Vitrolabs Inc; Pereira-Taveres, A.J. | 2020325981 | Astellas Pharma Inc. |
| 2020323149 | Alzchem Trostberg GmbH | 2020326236 | RUAG Ammotec AG |
| 2020323227 | Freezio AG | 2020326300 | Orbital Systems AB |
| 2020323233 | Metso Outotec USA Inc. | 2020326309 | Cambridge Enterprise Limited |
| 2020323285 | Fujitsu General Limited | 2020326432 | Sutton, J. |
| 2020323302 | Agriculture Victoria Services Pty Ltd | 2020326438 | Caterpillar Inc. |
| 2020323449 | Suntory Holdings Limited | 2020326444 | Caterpillar Inc. |
| 2020323464 | American Sterilizer Company | 2020326447 | Match Group, LLC |
| 2020323475 | Allergan, Inc. | 2020326457 | Hickory Design Pty Ltd |
| 2020323485 | Form Energy Inc. | 2020326471 | Boston Ivy Healthcare Solutions Private Limited |
| 2020323498 | Sanofi Pasteur Inc.; SK Bioscience Co., Ltd. | 2020326491 | UPL do Brasil Industria e Comercio de Insumos Agropecuarios S.A.; UPL Corporation Limited |
| 2020323532 | BioCryst Pharmaceuticals, Inc. | 2020326519 | Tides Marine, Inc. |
| 2020323601 | The Wistar Institute of Anatomy and Biology | 2020326532 | Invinity Energy Systems (Canada) Corporation |
| 2020323657 | Huawei Digital Power Technologies Co., Ltd. | 2020326572 | Root's Decor India Pvt. Ltd. |
| 2020323766 | Greentech Global Pte. Ltd. | 2020326586 | De' Longhi Appliances S.r.l. Con Unico Socio |
| 2020323767 | University Health Network | 2020326641 | Qingdao Haier Refrigerator Co., Ltd; Haier Smart Home Co., Ltd. |
| 2020323860 | Stripe, Inc. | 2020326691 | Recurium IP Holdings, LLC |
| 2020323881 | Becton, Dickinson and Company | 2020326706 | Nanoptek Corporation |
| 2020323923 | Blade Therapeutics, Inc. | 2020326714 | Bayer CropScience LP |
| 2020323943 | GCP Applied Technologies Inc. | 2020326732 | Wasley, J. |
| 2020323967 | Verton IP Pty Ltd | 2020326738 | Neptune Wellness Solutions Inc. |
| 2020323969 | NewSouth Innovations Pty Ltd | 2020326774 | Virogin Biotech Canada Ltd |
| 2020323970 | Commonwealth Scientific and Industrial Research Organisation | 2020326782 | Mejuri Inc. |
| 2020324001 | MMC RYOTEC Corporation | 2020326927 | Qingdao Haier Refrigerator Co., Ltd; Haier Smart Home Co., Ltd. |
| 2020324185 | CTTQ-Akeso (ShangHai) Biomed. Tech. Co., Ltd. | 2020327019 | Amicus Therapeutics, Inc. |
| 2020324207 | Qingdao Haier Refrigerator Co., Ltd.; Haier Smart Home Co., Ltd.; Haier US Appliance Solutions, Inc. | 2020327213 | BANDAI NAMCO Entertainment Inc.; Astellas Pharma Inc. |
| 2020324253 | ZTE Corporation | 2020327251 | Ono Pharmaceutical Co., Ltd.; National Cancer Center Japan |
| 2020324338 | Massachusetts Institute of Technology | 2020327398 | Chengdu Tobest Diyuan Technology Co., Ltd. |
| 2020324398 | Google LLC | 2020327457 | Chengdu Huitai Biomedicine Co., Ltd. |
| 2020324460 | BrickBio, Inc. | 2020327537 | InterRNA Technologies B.V. |
| 2020324543 | Polyplus Transfection | 2020327593 | Urosphere; Institut National de la Sante et de la Recherche Medicale; Université de Toulouse III - Paul Sabatier; Ecole Nationale Veterinaire de Toulouse; Centre Hospitalier Universitaire de Toulouse; Institut national de recherche pour l'agriculture, l'alimentation et l'environnement |
| 2020324557 | F. Smit Holding B.V. | 2020327596 | Givaudan SA |
| 2020324695 | BANDAI NAMCO Entertainment Inc.; Astellas Pharma Inc. | 2020327612 | TreeFrog Therapeutics |
| 2020324850 | LG Electronics Inc. | 2020327616 | ALD Vacuum Technologies GmbH |
| 2020324957 | Research Institute at Nationwide Children's Hospital | 2020327648 | Novastep |
| 2020325003 | Caterpillar Inc. | 2020327649 | Moten Technologies |
| 2020325027 | The Board of Trustees of the Leland Stanford Junior University | 2020327651 | University of Hertfordshire Higher Education Corporation |
| 2020325054 | The Board of Trustees of the University of Illinois | 2020327667 | Queen Mary University of London |
| 2020325061 | NewSouth Innovations Pty Ltd | 2020327671 | King's College London |
| 2020325073 | Repligen Corporation | 2020327673 | Minex Technology Group Limited |
| 2020325097 | Allakos Inc. | 2020327713 | Elbit Systems Land and C4I Ltd.; Soreq Nuclear Research Center |
| 2020325127 | Nippon Light Metal Company, Ltd.; National Institute of Advanced Industrial Science and Technology | 2020327783 | KM Biologics Co., Ltd. |
| 2020325163 | The Board of Trustees of the University of Illinois | 2020327864 | Oakmoore Pty Ltd |
| 2020325168 | ExxonMobil Upstream Research Company | 2020327893 | Caterpillar Inc. |
| 2020325199 | Monsanto Technology LLC | 2020327894 | Caterpillar Inc. |
| 2020325205 | Microvention, Inc. | 2020327907 | General Energy Recovery Inc. |
| 2020325216 | Schlage Lock Company LLC | 2020327920 | Bechtel Energy Inc. |
| 2020325219 | Exactech, Inc. | | |
| 2020325220 | FullStory, Inc. | | |
| 2020325221 | ModernaTX, Inc. | | |
| 2020325224 | Layer 3 Services Pty Ltd | | |
| 2020325307 | Accutome Inc. | | |
| 2020325321 | SenoGen GmbH | | |
| 2020325350 | Akeso Pharmaceuticals, Inc. | | |
| 2020325576 | Bayer Aktiengesellschaft | | |
| 2020325639 | AR Metallizing N.V. | | |
| 2020325655 | ObsEva S.A. | | |

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

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| 2020327940 | Nanophase Technologies Corporation | 2020329956 | Deciphera Pharmaceuticals, LLC. |
| 2020327949 | The Regents of the University of California | 2020330121 | University of Florida Research Foundation, Incorporated |
| 2020327970 | PayPal, Inc. | 2020330235 | Shenzhen Maigesong Electrical Technology Co., Ltd. |
| 2020327974 | Valeda Company, LLC | 2020330300 | Hullbot Pty Ltd |
| 2020328019 | Dropworks, Inc. | 2020330305 | Oakmoore Pty Ltd |
| 2020328025 | Incyte Corporation | 2020330380 | Avidbots Corp; Molina Cabrera, P. |
| 2020328026 | Nanometics LLC (d.b.a. PHD Biosciences) | 2020330424 | Novaliq GmbH |
| 2020328033 | Boost Biomes, Inc. | 2020330507 | Adaptix Ltd |
| 2020328050 | NantBio, Inc. | 2020330524 | Respiration Scan Ltd |
| 2020328052 | The University of Massachusetts | 2020330562 | California Institute of Technology; Brimstone Energy Inc. |
| 2020328055 | CohBar, Inc. | 2020330567 | Green Canyon Ventures LLC |
| 2020328154 | Bayer Aktiengesellschaft; Bayer Pharma Aktiengesellschaft | 2020330601 | Adcura, Inc. |
| 2020328170 | Inventio AG | 2020330608 | PPG Industries Ohio, Inc. |
| 2020328172 | Eugster / Frismag AG | 2020330615 | Advanced Solutions Life Sciences, LLC |
| 2020328192 | Vecor IP Holdings Limited | 2020330636 | Anheuser-Busch InBev S.A. |
| 2020328195 | Genmab A/S | 2020330755 | Synaptic Research, LLC |
| 2020328223 | Verona Pharma PLC | 2020330780 | Sumitomo Chemical Company, Limited |
| 2020328225 | SOUNDERX LIMITED | 2020330801 | Suntory Holdings Limited |
| 2020328261 | Sintetica S.A. | 2020330973 | Equalaire Systems, Inc. |
| 2020328447 | AST & Science, LLC | 2020330993 | FMC Corporation |
| 2020328464 | Active Core Technology Pty Ltd | 2020331020 | Washington University |
| 2020328465 | Oakmoore Pty Ltd | 2020331030 | Adcura, Inc. |
| 2020328474 | Integrated Nanotherapeutics Inc.; The University of British Columbia | 2020331036 | Silverback Therapeutics, Inc. |
| 2020328503 | Ultradent Products, Inc. | 2020331227 | Edgewell Personal Care Brands, LLC |
| 2020328511 | Nutcracker Therapeutics, Inc. | 2020331283 | PepsiCo, Inc. |
| 2020328531 | Barthold, L.; Electranix Corp. | 2020331290 | Jupiter Wellness, Inc.; HealthAide Inc. |
| 2020328537 | Recurium IP Holdings, LLC | 2020331293 | Boost Biomes, Inc. |
| 2020328538 | Integrity Implants Inc. | 2020331355 | LG Electronics Inc. |
| 2020328540 | Efferent Labs, Inc. | 2020331401 | Macquarie University |
| 2020328568 | Vertex Pharmaceuticals Incorporated | 2020331420 | SONOSCOPE Inc. |
| 2020328569 | IDAC Holdings, Inc. | 2020331453 | Huawei Digital Power Technologies Co., Ltd. |
| 2020328572 | Humatics Corporation | 2020331649 | Dentsply Sirona Inc.; Sirona Dental Systems GmbH |
| 2020328574 | LSI Solutions, Inc. | 2020331663 | BASF Coatings GmbH |
| 2020328597 | Synthorx, Inc. | 2020331684 | Syngenta Participations AG |
| 2020328598 | Black Diamond Therapeutics, Inc. | 2020331685 | UGA Biopharma GmbH |
| 2020328611 | Codiak BioSciences, Inc. | 2020331884 | Takeda Vaccines, Inc. |
| 2020328678 | Merck Sharp & Dohme Corp.; The Walter and Eliza Hall Institute of Medical Research; MSD R&D (China) Co., Ltd. | 2020331963 | Elpis BioPharmaceuticals |
| 2020328776 | Korth, R. | 2020331970 | Cold Jet, LLC |
| 2020328827 | Fundacion Para La Investigacion Medica Aplicada; Consorcio Centro de Investigación Biomédica en Red; UCB Biopharma SRL | 2020332078 | Subsea 7 Limited |
| 2020328835 | Albert-Ludwigs-Universität Freiburg | 2020332267 | Q.E.D. Environmental Systems, Inc. |
| 2020328843 | DSI Dantech A/S | 2020332295 | Praxair Technology, Inc. |
| 2020328846 | Montanuniversität Leoben | 2020332371 | Astrazeneca Collaboration Ventures, LLC |
| 2020328849 | Securetec Detektions-Systeme AG; Technische Universität München | 2020332492 | SIGVARIS AG |
| 2020328855 | CureVac AG | 2020332559 | Clear Solutions (Holdings) Limited |
| 2020328920 | Accenture Global Solutions Limited | 2020332564 | Holistick Medical |
| 2020329106 | BNSF Railway Company | 2020332673 | Textron Systems Corporation |
| 2020329111 | GeoQuest Systems B.V. | 2020332707 | The University of Queensland |
| 2020329130 | Enexor Energy, LLC | 2020332746 | Syngenta Participations AG |
| 2020329149 | The Board of Trustees of the University of Illinois | 2020332747 | Syngenta Participations AG |
| 2020329156 | Nutcracker Therapeutics, Inc. | 2020332813 | OAM Photonics LLC |
| 2020329166 | Nutcracker Therapeutics, Inc. | 2020332822 | D. Wheatley Enterprises, Inc. |
| 2020329197 | MasterCard International Incorporated | 2020332998 | Adaptix Ltd |
| 2020329305 | Google LLC | 2020333099 | Shanghai Changchengyiyaokeji Company Limited |
| 2020329309 | Upstart Power, Inc. | 2020333139 | Siemens Aktiengesellschaft |
| 2020329311 | Pairwise Plants Services, Inc. | 2020333212 | Dentsply Sirona Inc.; Sirona Dental Systems GmbH |
| 2020329525 | Vanarix SA | 2020333219 | L'Air Liquide Societe Anonyme pour l'Étude et l'Exploitation des Procédes Georges Claude |
| 2020329616 | Boehringer Ingelheim RCV GmbH & Co KG | 2020333232 | Body Vision Medical Ltd. |
| 2020329624 | FINX | 2020333370 | Gencellmed. Inc.; Korea Institute of Radiological & Medical Sciences |
| 2020329628 | Ethypharm | 2020333395 | Breville Pty Limited |
| 2020329736 | Platform Gaming Technologies, Inc. | 2020333396 | HEXO Operations Inc. |
| 2020329761 | Agensys, Inc.; Seagen Inc. | 2020333535 | EVO Inventions LLC |
| 2020329840 | Badger Meter, Inc. | 2020333761 | FMC Corporation; FMC Agro Singapore Pte. Ltd. |
| 2020329845 | Rohm and Haas Company; Dow Global Technologies LLC | 2020333788 | MIPS AB |
| 2020329917 | Biomet Manufacturing, LLC | 2020333829 | Syngenta Participations AG |
| | | 2020333841 | Shell Internationale Research Maatschappij B.V. |
| | | 2020333853 | Spectrum Brands, Inc. |
| | | 2020333879 | Syngenta Participations AG |
| | | 2020333881 | Luxembourg Institute of Science and Technology (LIST) |

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

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| 2020333886 | Cognibotics AB | 2020338014 | University of Florida Research Foundation, Incorporated |
| 2020333920 | Artedrone | 2020338248 | Asociación – Centro de Investigación Cooperativa en Nanociencias – "CIC nanoGUNE" |
| 2020334058 | Crane & Co., Inc. | 2020338317 | Suzuken Kabushiki Kaisha |
| 2020334064 | Fred Hutchinson Cancer Research Center | 2020338481 | Starpharma Pty Ltd |
| 2020334188 | Haldor Topsøe A/S | 2020338787 | Phase Scientific International, Ltd. |
| 2020334196 | Nuritas Limited | 2020338903 | Touchstone International Medical Science Co., Ltd. |
| 2020334262 | Bühler AG | 2020338904 | Touchstone International Medical Science Co., Ltd. |
| 2020334307 | Chevron U.S.A. Inc. | 2020339119 | M.E.P. Macchine Eletttroniche Piegatrici S.p.A. |
| 2020334354 | Fair Supply Analytics Pty Limited | 2020339715 | Elonroad AB |
| 2020334357 | Lee, R.; Day, S. | 2020339721 | BASF SE |
| 2020334452 | Futamura Kagaku Kabushiki Kaisha; National Institute of Advanced Industrial Science and Technology | 2020339811 | Alcon Inc. |
| 2020334489 | Ono Pharmaceutical Co., Ltd. | 2020339841 | Izun Pharmaceuticals Corp. |
| 2020334716 | Advanced Global Clinical Solutions Inc. | 2020340203 | True Velocity IP Holdings, LLC |
| 2020334861 | Illinois Tool Works Inc. | 2020340213 | Citrix Systems, Inc. |
| 2020334902 | Ubiquitous Energy, Inc. | 2020340248 | Tompkins Robotics, Inc. |
| 2020334909 | Cemvita Factory, Inc. | 2020340343 | Laboratory Corporation of America Holdings |
| 2020334923 | Elpis BioPharmaceuticals | 2020340368 | Pindrop Security, Inc. |
| 2020334980 | Terran Biosciences, Inc.; The Trustees of Columbia University in the City of New York; The Research Foundation for Mental Hygiene, Inc. | 2020340369 | Etsy, Inc. |
| 2020334997 | Aries Technology, LLC | 2020340428 | AEON BioPharma, Inc. |
| 2020335005 | United States Steel Corporation | 2020340442 | Research Institute at Nationwide Children's Hospital |
| 2020335099 | Staedtler Mars GmbH & Co. KG | 2020340622 | CRISPR Therapeutics AG |
| 2020335231 | Haldor Topsøe A/S | 2020340952 | Boston Scientific Neuromodulation Corporation |
| 2020335335 | Penty, E. | 2020340968 | Zapata Computing, Inc. |
| 2020335362 | Alcon Inc. | 2020341156 | Sony Group Corporation |
| 2020335396 | Trivedi, J. | 2020341186 | CRISPR Therapeutics AG |
| 2020335401 | M.E.P. Macchine Eletttroniche Piegatrici S.p.A. | 2020341711 | Arbor Biotechnologies, Inc. |
| 2020335820 | Touchstone International Medical Science Co., Ltd. | 2020342349 | Biotest AG |
| 2020335869 | FullStory, Inc. | 2020342591 | Camurus AB |
| 2020335935 | PepsiCo, Inc. | 2020342668 | Generation Bio Co. |
| 2020335966 | Amsted Rail Company, Inc. | 2020343009 | The Board of Trustees of the Leland Stanford Junior University |
| 2020336023 | Northwestern University | 2020343037 | The Regents of The University of California; PharmaResearch Co., Ltd. |
| 2020336047 | Manufacturing Resources International, Inc. | 2020343215 | Milliken & Company |
| 2020336060 | CR Flight L.L.C. | 2020343300 | Allogene Therapeutics, Inc. |
| 2020336129 | MED-EL Elektromedizinische Geraete GmbH | 2020343309 | ConMed Corporation |
| 2020336151 | Deere & Company; Carnegie Mellon University | 2020343325 | Kemin Industries, Inc. |
| 2020336166 | Crown Equipment Corporation | 2020343900 | Chevron U.S.A. Inc. |
| 2020336210 | Kindred Biosciences, Inc. | 2020343940 | Neuroderm, Ltd. |
| 2020336212 | AEON BioPharma, Inc. | 2020344464 | Wing Aviation LLC |
| 2020336302 | Sana Biotechnology, Inc. | 2020344485 | John Bean Technologies Corporation |
| 2020336308 | Memorial Sloan Kettering Cancer Center | 2020344829 | The Institute of Cancer Research: Royal Cancer Hospital |
| 2020336313 | Lockheed Martin Corporation | 2020344961 | PhysIOL SA; Consejo Superior de Investigaciones Científicas (CSIC) |
| 2020336319 | ConMed Corporation | 2020345005 | Mölnlycke Health Care AB |
| 2020336323 | Bostik, Inc. | 2020345178 | Aurigene Discovery Technologies Limited |
| 2020336332 | The Board of Trustees of the Leland Stanford Junior University | 2020345551 | Zayo Group, LLC |
| 2020336381 | The Regents of the University of Michigan | 2020345571 | Becton, Dickinson and Company |
| 2020336468 | Codexis, Inc.; Societe des Produits Nestle S.A. | 2020345766 | University of Pittsburgh - of the Commonwealth System of Higher Education |
| 2020336473 | Genentech, Inc. | 2020345770 | AEON BioPharma, Inc. |
| 2020336580 | Sumitomo Dainippon Pharma Co., Ltd. | 2020345899 | Mirati Therapeutics, Inc. |
| 2020336791 | Nanjing Legend Biotech Co., Ltd. | 2020345916 | F. Hoffmann-La Roche AG |
| 2020336953 | Beam Therapeutics Inc. | 2020345944 | Becton, Dickinson and Company |
| 2020336969 | Beam Therapeutics Inc. | 2020346736 | Lantech.com, LLC |
| 2020337176 | Jacka Industries Pty Ltd | 2020346748 | Bardex Corporation; Taylor, R.; Lyons, D. |
| 2020337179 | Reflex Instruments Asia Pacific Pty Ltd | 2020346818 | Hexamer Therapeutics, Inc. |
| 2020337184 | Vale S.A. | 2020346959 | Google LLC |
| 2020337250 | Amgen Inc. | 2020347078 | Eisai R&D Management Co., Ltd. |
| 2020337307 | Asahi Group Holdings, Ltd. | 2020347147 | Arbor Biotechnologies, Inc. |
| 2020337333 | IGM Biosciences, Inc. | 2020347154 | Synthorx, Inc. |
| 2020337411 | Suntory Holdings Limited | 2020347355 | Detnet South Africa (Pty) Ltd |
| 2020337449 | Arixa Pharmaceuticals, Inc. | 2020347849 | Sandvik Mining and Construction Oy |
| 2020337450 | FloDesign Sonics, Inc. | 2020348065 | FUJIFILM Business Innovation Corp. |
| 2020337720 | TSD Life Sciences Co., Ltd. | 2020348603 | Raytheon Company |
| 2020337833 | Motorola Solutions, Inc. | 2020348784 | The United States of America, as represented by the Secretary of Agriculture; AgroSource, Inc. |
| 2020337837 | DraftKings, Inc. | 2020349035 | Saint-Gobain Glass France |
| 2020337869 | Synthorx, Inc. | 2020349415 | Lantech.com, LLC |
| 2020337890 | Memorial Sloan Kettering Cancer Center | | |
| 2020337918 | The Board of Trustees of the Leland Stanford Junior University | | |

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2020349458 Graver, J.
2020349462 Regeneron Pharmaceuticals, Inc.
2020349480 Bolt Threads, Inc.
2020350118 Sandvik Mining and Construction Oy
2020350496 Lantech.com, LLC
2020351724 AddOn Optics Ltd.
2020352487 Société des Produits Nestlé S.A.
2020354508 BENEÓ Remy
2020354581 ProLacta Bioscience, Inc.
2020354785 Oakmoore Pty Ltd
2020355489 Fromfroid
2020356255 Société Des Produits Nestlé S.A.
2020356269 Apple Inc.
2020356572 Apple Inc.
2020358845 Innovacell AG
2020360477 Haldor Topsøe A/S
2020360751 Haldor Topsøe A/S
2020361720 Alcon Inc.
2020361848 NUProtein Co., Ltd.
2020364115 De La Rue International Limited
2020365101 De La Rue International Limited
2020366303 ViaSat, Inc.
2020367829 ICM Australia Pty Ltd
2020369453 Zazzle Inc.
2020370228 Philip Morris Products S.A.
2020370292 Cue Biopharma, Inc.
2020372031 Philip Morris Products S.A.
2020372557 Casale SA
2020373621 JX Nippon Mining & Metals Corporation
2020381237 Philip Morris Products S.A.
2020382517 HigherGround, Inc.
2020386787 Neste Oyj
2020386840 Raytheon Company
2020388721 Sungrow Power Supply Co., Ltd.
2020388957 ThyssenKrupp Marine Systems GmbH; ThyssenKrupp AG
2020389910 Beijing Geekplus Technology Co., Ltd.
2020395075 Boston Scientific Scimed, Inc.
2020406768 Leto Laboratories Co., Ltd
2020407872 Halliburton Energy Services, Inc.
2020440901 Huaneng Clean Energy Research Institute
2021212853 Toyobo Co., Ltd.; Toyobo Stc Co., Ltd.
2021215098 BOE Technology Group Co., Ltd.
2021225632 LG Energy Solution, Ltd.
2021240317 Bogueuss, B.
2021257959 Tencent America LLC
2021266339 Woodside Energy Technologies Pty Ltd
2021282417 Wuhan Research Institute of Materials Protection
2021297802 Netflix, Inc.
2021307473 Underwood Companies Holdings Pty Ltd
2021310207 Jost Chemical Co.

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| <u>A01B 69 /-</u> | <u>A01H 3 /-</u> | <u>A01N 43 /-</u> | <u>A23D 7 /-</u> | <u>A24F 42 /-</u> | <u>A47F 7 /-</u> |
| 2020320870 | 2020331293 2020348784 | 2019458202 2020317083 2020318682 | 2020327596 2020333396 | 2020372031 | 2020326782 |
| <u>A01C 1 /-</u> | <u>A01H 5 /-</u> | 2020318962 | <u>A23G 3 /-</u> | <u>A24F 47 /-</u> | <u>A47J 27 /-</u> |
| 2020331684 2020332746 2020332747 2020333829 2020333879 | 2020323302 | 2020318962 2020325766 2020326491 2020330780 | 2019463157 | 2020309851 2020372031 2020381237 | 2020333395 2020333853 |
| <u>A01C 11 /-</u> | <u>A01H 6 /-</u> | <u>A01N 47 /-</u> | <u>A23G 4 /-</u> | <u>A41D 19 /-</u> | <u>A47J 31 /-</u> |
| 2020332747 | 2020323302 2020323449 | 2019458202 2020318962 2020326491 | 2019463157 | 2019457541 | 2020328172 2020331283 |
| <u>A01C 15 /-</u> | <u>A01K 1 /-</u> | <u>A01N 51 /-</u> | <u>A23J 3 /-</u> | <u>A41D 31 /-</u> | <u>A47L 11 /-</u> |
| 2020327398 | 2019474764 2020367829 | 2020318962 | 2020327596 2020334262 | 2019457541 | 2020330380 |
| <u>A01C 23 /-</u> | <u>A01K 15 /-</u> | <u>A01N 53 /-</u> | <u>A23K 20 /-</u> | <u>A42B 3 /-</u> | <u>A47L 9 /-</u> |
| 2020332746 2020333879 | 2020318909 | 2020318962 | 2020323149 | 2020333788 | 2019462239 |
| <u>A01C 7 /-</u> | <u>A01K 29 /-</u> | <u>A01N 57 /-</u> | <u>A23K 50 /-</u> | <u>A44C 7 /-</u> | <u>A61B 1 /-</u> |
| 2020331684 2020332746 2020332747 2020333829 2020333879 | 2019474764 2020335335 2021212853 | 2020311625 2020318962 2020330780 | 2020323149 | 2020326782 | 2020311004 2020318786 2020328574 2020333232 2020333920 |
| <u>A01D 34 /-</u> | <u>A01K 3 /-</u> | <u>A01N 59 /-</u> | <u>A23L 13 /-</u> | <u>A45B 23 /-</u> | <u>A61B 17 /-</u> |
| 2020320298 | 2020367829 | 2020330801 2020337411 | 2020327596 | 2020322414 | 2019457740 2020311004 2020315554 2020319089 2020320865 2020325219 2020325321 2020327648 2020328538 2020328574 2020332564 2020333232 2020335820 2020336319 2020338903 2020338904 2020343309 2020358845 2020395075 |
| <u>A01D 69 /-</u> | <u>A01K 67 /-</u> | 2020318682 2020318962 | <u>A23L 2 /-</u> | <u>A45D 1 /-</u> | |
| 2020320298 | 2020320861 | <u>A23L 27 /-</u> | 2020330801 2020337411 | 2020322192 | |
| <u>A01G 13 /-</u> | <u>A01K 97 /-</u> | <u>A01N 63 /-</u> | <u>A23L 29 /-</u> | <u>A45D 2 /-</u> | |
| 2019460585 | 2020326432 | 2019457251 2020331293 | 2020320849 2020323449 2020337411 | 2020322192 | |
| <u>A01G 25 /-</u> | <u>A01M 29 /-</u> | <u>A01N 65 /-</u> | <u>A23L 3 /-</u> | <u>A45D 20 /-</u> | |
| 2020315567 | 2020318909 | 2020318677 | 2019463157 2020333396 2020354508 | 2020322192 | |
| <u>A01G 7 /-</u> | <u>A01M 7 /-</u> | <u>A01P 1 /-</u> | <u>A23L 33 /-</u> | <u>A45D 27 /-</u> | |
| 2019462366 2020331293 | 2020325576 2020330993 | 2019457251 2019458202 2020318677 | 2019463157 2020333396 202035489 | 2020331227 | |
| <u>A01G 9 /-</u> | <u>A01N 25 /-</u> | <u>A01P 13 /-</u> | <u>A23L 3 /-</u> | <u>A47B 3 /-</u> | |
| 2019460585 2019462366 2020332747 | 2019458202 2020318962 2020325766 | 2020330780 | 2020330636 2020333396 202035489 | 2020333535 | |
| <u>A01H 1 /-</u> | <u>A01N 31 /-</u> | <u>A01P 21 /-</u> | <u>A24B 15 /-</u> | <u>A47B 9 /-</u> | |
| 2020323302 2020323449 2020329311 | 2019458202 | 2020333396 2020334196 2020337307 2020352487 | 2020381237 | 2020333535 | |
| <u>A01H 17 /-</u> | <u>A01N 33 /-</u> | <u>A01P 3 /-</u> | <u>A24D 1 /-</u> | <u>A47B 91 /-</u> | |
| 2020331293 2020348784 | 2020326491 | 2020317083 2020318677 2020325766 | 2020315219 | 2020317848 | |
| | <u>A01N 37 /-</u> | <u>A23C 21 /-</u> | <u>A24F 40 /-</u> | <u>A47C 1 /-</u> | |
| | 2020325766 2020326491 2020330780 | 2020339841 | 2020309851 | 2020322414 | |
| | <u>A01N 39 /-</u> | <u>A23C 3 /-</u> | | <u>A47C 3 /-</u> | |
| | 2020326491 | 2020355489 | | 2020324557 | |
| | | | | <u>A47C 5 /-</u> | |
| | | | | 2020324557 | |
| | | | | <u>A47C 7 /-</u> | |
| | | | | 2020322414 | |
| | | | | | <u>A61B 18 /-</u> |
| | | | | | 2020328574 2020336319 |
| | | | | | <u>A61B 34 /-</u> |
| | | | | | 2020315554 2020316076 2020328538 2020332564 2020333920 |
| | | | | | <u>A61B 5 /-</u> |
| | | | | | 2019457852 2020313994 2020314838 2020315866 |

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| | | | | | |
|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| 2020316105 | <u>A61G 3 /-</u> | 2020328261 | 2020354581 | 2020337333 | <u>A61K 8 /-</u> |
| 2020319084 | | 2020328568 | | 2020337918 | |
| 2020327213 | 2020327974 | 2020328598 | <u>A61K 36 /-</u> | 2020338481 | 2020312746 |
| 2020327649 | | 2020328611 | | 2020340428 | 2020327940 |
| 2020328540 | <u>A61H 19 /-</u> | 2020328678 | 2020320260 | 2020346818 | |
| 2020330524 | | 2020329149 | 2020323970 | | <u>A61K 9 /-</u> |
| 2020332707 | 2020311004 | 2020329628 | 2020326738 | <u>A61K 45 /-</u> | |
| 2020333920 | | 2020329956 | 2020333396 | | 2018454263 |
| 2020334716 | <u>A61H 9 /-</u> | 2020330424 | 2020339841 | 2020315585 | 2019463157 |
| 2020334980 | | 2020331290 | | 2020317711 | 2020309149 |
| | 2020311004 | 2020333099 | <u>A61K 38 /-</u> | 2020320022 | 2020309223 |
| <u>A61B 7 /-</u> | <u>A61J 1 /-</u> | 2020333396 | | 2020327251 | 2020311020 |
| | | 2020336212 | 2019457235 | 2020329956 | 2020312361 |
| 2020332707 | 2020325205 | 2020336381 | 2020300820 | | 2020315585 |
| | | 2020336580 | 2020313981 | <u>A61K 47 /-</u> | 2020315642 |
| <u>A61B 8 /-</u> | <u>A61K 31 /-</u> | 2020337307 | 2020314966 | | 2020316989 |
| | | 2020337449 | 2020316002 | 2019457235 | 2020317084 |
| 2020331420 | 2018454263 | 2020337720 | 2020318214 | 2019465548 | 2020319022 |
| 2020358845 | 2019464913 | 2020339841 | 2020318970 | 2020309223 | 2020320353 |
| | 2019465548 | 2020340442 | 2020319732 | 2020310168 | 2020320459 |
| <u>A61B 90 /-</u> | 2020300818 | 2020342591 | 2020321022 | 2020310892 | 2020322102 |
| | 2020303897 | 2020343009 | 2020321354 | 2020312560 | 2020323532 |
| 2020311004 | 2020304472 | 2020343037 | 2020321898 | 2020316435 | 2020325163 |
| 2020328538 | 2020309149 | 2020343940 | 2020322246 | 2020317084 | 2020325221 |
| 2020332564 | 2020309223 | 2020344829 | 2020327457 | 2020318955 | 2020325723 |
| 2020336319 | 2020309244 | 2020345178 | 2020328055 | 2020319022 | 2020325831 |
| 2020395075 | 2020309745 | 2020345766 | 2020328776 | 2020320353 | 2020326309 |
| | 2020310120 | 2020345770 | 2020331401 | 2020320459 | 2020327940 |
| <u>A61C 19 /-</u> | 2020311020 | 2020345916 | 2020334064 | 2020321898 | 2020328026 |
| | 2020311404 | 2020347078 | 2020334196 | 2020324543 | 2020328223 |
| 2020328503 | 2020311625 | 2020354581 | 2020339841 | 2020325221 | 2020328261 |
| | 2020312361 | 2020356255 | 2020340428 | 2020325705 | 2020328474 |
| <u>A61C 7 /-</u> | 2020313312 | | 2020342349 | 2020325723 | 2020328611 |
| | 2020313965 | <u>A61K 33 /-</u> | 2020343009 | 2020325831 | 2020328776 |
| 2020328503 | 2020313981 | | 2020346818 | 2020326309 | 2020329628 |
| | 2020315432 | 2020310168 | 2020347147 | 2020326738 | 2020329761 |
| <u>A61D 17 /-</u> | 2020315433 | 2020325723 | 2020406768 | 2020328474 | 2020330424 |
| | 2020315585 | 2020326309 | | 2020328597 | 2020331036 |
| 2020335335 | 2020315605 | 2020340442 | <u>A61K 39 /-</u> | 2020329156 | 2020331290 |
| | 2020315642 | | | 2020330424 | 2020333396 |
| <u>A61F 13 /-</u> | 2020316011 | <u>A61K 35 /-</u> | 2019456113 | 2020331036 | 2020336212 |
| | 2020316243 | | 2019462166 | 2020333396 | 2020342591 |
| 2019457379 | 2020316435 | 2019463156 | 2020298552 | 2020336212 | 2020342668 |
| 2019457568 | 2020316640 | 2020309946 | 2020309556 | 2020337869 | 2020343037 |
| 2020332492 | 2020316962 | 2020312637 | 2020313981 | 2020338481 | 2020347078 |
| 2020345005 | 2020316989 | 2020313981 | 2020315369 | 2020342591 | |
| | 2020317084 | 2020315800 | 2020315598 | 2020347154 | <u>A61L 11 /-</u> |
| <u>A61F 2 /-</u> | 2020317642 | 2020316708 | 2020315878 | 2020370292 | |
| | 2020317711 | 2020316867 | 2020316867 | | 2020312795 |
| 2019462141 | 2020318970 | 2020316867 | 2020316961 | <u>A61K 48 /-</u> | |
| 2020301584 | 2020319022 | 2020316961 | 2020320222 | | <u>A61L 15 /-</u> |
| 2020307059 | 2020320022 | 2020318955 | 2020320861 | 2019462166 | |
| 2020325219 | 2020320034 | 2020320129 | 2020322191 | 2020311618 | 2019457379 |
| 2020327612 | 2020320353 | 2020320445 | 2020323498 | 2020314333 | 2019457568 |
| 2020330601 | 2020320992 | 2020320861 | 2020323601 | 2020314883 | 2020315664 |
| 2020331030 | 2020322102 | 2020321354 | 2020324185 | 2020329156 | 2020325776 |
| 2020335362 | 2020323532 | 2020322247 | 2020325097 | 2020338014 | |
| 2020339811 | 2020323923 | 2020322790 | 2020325350 | 2020343009 | <u>A61L 2 /-</u> |
| 2020344961 | 2020323970 | 2020323970 | 2020325690 | | |
| | 2020325054 | 2020325723 | 2020325753 | <u>A61K 49 /-</u> | 2019457251 |
| <u>A61F 5 /-</u> | 2020325097 | 2020326309 | 2020325770 | | 2020312795 |
| | 2020325163 | 2020326774 | 2020325981 | 2020320459 | |
| 2020332492 | 2020325221 | 2020327612 | 2020327251 | 2020345178 | <u>A61L 26 /-</u> |
| | 2020325655 | 2020327783 | 2020327251 | 2020349462 | |
| <u>A61F 7 /-</u> | 2020325721 | 2020327949 | 2020328195 | | 2020325723 |
| | 2020325831 | 2020328827 | 2020329761 | <u>A61K 51 /-</u> | 2020326309 |
| 2020311004 | 2020326691 | 2020333370 | 2020331884 | | |
| 2020323475 | 2020326738 | 2020334064 | 2020331963 | 2020349462 | <u>A61L 27 /-</u> |
| | 2020327019 | 2020336302 | 2020332371 | | |
| <u>A61F 9 /-</u> | 2020327940 | 2020336791 | 2020334064 | <u>A61K 6 /-</u> | 2020313511 |
| | 2020328025 | 2020338014 | 2020334923 | | 2020315842 |
| 2020325321 | 2020328026 | 2020340622 | 2020336210 | 2020310168 | 2020327612 |
| | | 2020341186 | 2020336302 | | 2020329525 |
| | | | 2020336473 | | |

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|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| 2020329917 | <u>A61P 1/-</u> | 2020331290 | 2020322246 | <u>A61P 9/-</u> | <u>B01D 37/-</u> |
| 2020349480 | | 2020336580 | 2020322247 | 2019463156 | 2020328019 |
| <u>A61L 31/-</u> | 2020316243 | 2020354581 | 2020323767 | 2020309223 | |
| | 2020323970 | | 2020324185 | 2020313965 | <u>B01D 46/-</u> |
| 2020315842 | 2020332371 | <u>A61P 3/-</u> | 2020325350 | 2020314333 | 2020314462 |
| | 2020337720 | 2020309946 | 2020325690 | 2020315433 | 2020315399 |
| <u>A61M 1/-</u> | 2020345770 | 2020314333 | 2020325753 | 2020315605 | 2020325073 |
| | 2020354581 | 2020315432 | 2020325981 | 2020315642 | 2020326444 |
| 2019460226 | <u>A61P 11/-</u> | 2020319737 | 2020326691 | 2020316243 | |
| 2020361720 | | 2020320034 | 2020326774 | | |
| | 2020315369 | 2020320034 | 2020327251 | <u>A61Q 11/-</u> | <u>B01D 53/-</u> |
| <u>A61M 11/-</u> | 2020316243 | 2020320499 | 2020327457 | | 2020312752 |
| | 2020317642 | 2020323970 | 2020327783 | 2020310168 | 2020333841 |
| 2020309851 | 2020320992 | 2020327019 | 2020328025 | <u>A61Q 19/-</u> | 2020334452 |
| 2020372031 | 2020323498 | 2020328055 | 2020328050 | | 2020440901 |
| | 2020328568 | 2020337307 | 2020328154 | 2020312746 | |
| <u>A61M 15/-</u> | 2020328611 | 2020354581 | 2020328195 | | <u>B01D 61/-</u> |
| | | 2020356255 | 2020328597 | | 2020325073 |
| 2020335396 | <u>A61P 13/-</u> | <u>A61P 31/-</u> | 2020328598 | <u>A61Q 7/-</u> | |
| 2020370228 | | | 2020328611 | | |
| 2020372031 | 2020316243 | 2020300818 | 2020329761 | 2020312746 | <u>B01D 63/-</u> |
| | <u>A61P 15/-</u> | 2020309556 | 2020329956 | <u>A63B 53/-</u> | |
| <u>A61M 16/-</u> | | 2020314956 | 2020331036 | | 2019460226 |
| | 2020320022 | 2020315931 | 2020333099 | 2020317058 | <u>B01F 27/-</u> |
| 2019461089 | 2020325655 | 2020318214 | 2020333370 | <u>A63B 69/-</u> | |
| 2020330524 | 2020325721 | 2020319732 | 2020334064 | | 2020319853 |
| 2020332822 | | 2020323767 | 2020336381 | 2020324695 | <u>B01F 31/-</u> |
| 2020335396 | <u>A61P 17/-</u> | 2020325054 | 2020336953 | | 2020319853 |
| | | 2020325723 | 2020337720 | <u>A63B 71/-</u> | |
| <u>A61M 25/-</u> | 2020313312 | 2020326309 | 2020338481 | | <u>B01J 13/-</u> |
| | 2020316243 | 2020329149 | 2020344829 | 2020327213 | |
| 2019462141 | 2020332573 | 2020337449 | 2020345178 | <u>A63C 17/-</u> | 2020314674 |
| 2020333232 | 2020326309 | 2020337720 | 2020345916 | | <u>B01J 15/-</u> |
| 2020395075 | 2020331290 | 2020345766 | <u>A61P 37/-</u> | 2020309832 | 2020360477 |
| | <u>A61P 21/-</u> | <u>A61P 33/-</u> | | | 2020360751 |
| <u>A61M 31/-</u> | | | 2020298552 | <u>A63F 1/-</u> | |
| | 2020324957 | 2020322102 | 2020313312 | | <u>B01J 19/-</u> |
| 2020333232 | 2020334196 | 2020325723 | 2020314956 | 2019460131 | |
| | 2020336580 | 2020326309 | 2020315369 | <u>A63F 13/-</u> | 2020360477 |
| <u>A61M 37/-</u> | | 2020328678 | 2020315925 | | 2020372557 |
| | <u>A61P 25/-</u> | <u>A61P 35/-</u> | 2020320459 | 2020334997 | |
| 2020333232 | | | 2020325027 | | <u>B01J 20/-</u> |
| <u>A61M 39/-</u> | 2020311020 | 2019456113 | 2020325097 | 2020324695 | 2019463001 |
| | 2020311404 | 2019462166 | 2020332371 | 2020329736 | 2020328511 |
| 2020345571 | 2020312361 | 2019464913 | 2020336302 | <u>A63F 3/-</u> | 2020360477 |
| | 2020316640 | 2020304472 | 2020354581 | | 2020360751 |
| <u>A61M 5/-</u> | 2020319022 | 2020309149 | 2020370292 | 2020334997 | 2020372557 |
| | 2020320260 | 2020309244 | 2020406768 | | <u>B01J 23/-</u> |
| 2020322457 | 2020323923 | 2020309745 | <u>A61P 39/-</u> | <u>A63F 9/-</u> | |
| 2020325205 | 2020325770 | 2020310892 | | | 2020334452 |
| 2020337250 | 2020328261 | 2020311636 | 2020336580 | 2020329736 | |
| 2020345944 | 2020329628 | 2020313312 | <u>A61P 43/-</u> | 2020334997 | <u>B01J 23/-</u> |
| 2020395075 | 2020331401 | 2020314956 | | <u>B01D 15/-</u> | 2020360477 |
| | 2020334196 | 2020314966 | 2020327251 | | |
| <u>A61N 1/-</u> | 2020336580 | 2020314966 | 2020336953 | 2020337450 | <u>B01J 29/-</u> |
| | 2020337720 | 2020315800 | 2020337307 | | |
| 2020313858 | 2020342591 | 2020315878 | 2020337307 | <u>B01D 21/-</u> | 2020333841 |
| 2020313994 | 2020343940 | 2020316002 | 2020343009 | | |
| 2020314838 | 2020347078 | 2020316011 | 2020354581 | 2020317379 | <u>B01J 3/-</u> |
| 2020315866 | | 2020316435 | <u>A61P 5/-</u> | 2020325073 | |
| 2020315918 | <u>A61P 27/-</u> | 2020316708 | | 2020337450 | 2020360477 |
| 2020316105 | | 2020316961 | 2020318970 | | 2020360751 |
| 2020319084 | 2020317084 | 2020316962 | 2020325721 | <u>B01D 29/-</u> | |
| 2020336129 | 2020327612 | 2020317711 | 2020326691 | | <u>B01J 31/-</u> |
| 2020340952 | | 2020318214 | 2020330424 | 2020314462 | |
| | <u>A61P 29/-</u> | 2020318955 | <u>A61P 7/-</u> | | <u>B01D 35/-</u> |
| <u>A61N 5/-</u> | | 2020319732 | | 2020314462 | |
| | 2020317642 | 2020320129 | 2020325350 | | 2020317120 |
| 2020312642 | 2020321898 | 2020320445 | | <u>B01D 35/-</u> | <u>B01J 35/-</u> |
| 2020315113 | 2020323970 | 2020320459 | | | |
| 2020316944 | 2020325097 | 2020321022 | | 2020314462 | 2020333841 |

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|--|--|--|--------------------------|--|--|
| 2020360477 2020360751 | <u>B22F 9 /-</u> | | <u>B60P 3 /-</u> | <u>B63G 8 /-</u> | 2020323766 2020331283 |
| <u>B01J 6 /-</u> | 2020327616 | <u>B31D 3 /-</u> | 2020319687 2020337176 | 2020388957 | <u>B65D 47 /-</u> |
| 2020312795 | <u>B24C 1 /-</u> | 2020315373 | | <u>B63H 1 /-</u> | 2020331283 |
| <u>B01J 8 /-</u> | 2020331970 | <u>B31D 5 /-</u> | <u>B60P 7 /-</u> | 2020329624 | <u>B65D 51 /-</u> |
| 2020360477 2020360751 2020372557 | <u>B24C 7 /-</u> | 2020315373 | 2020328465 | <u>B63H 19 /-</u> | 2020309496 2020314310 2020331283 |
| <u>B01L 3 /-</u> | <u>B25B 1 /-</u> | <u>B31F 1 /-</u> | <u>B60R 11 /-</u> | 2020329624 | <u>B65D 59 /-</u> |
| 2020337450 | 2020317372 | 2019457568 | 2020339715 | <u>B63H 23 /-</u> | 2020314310 |
| <u>B03D 1 /-</u> | <u>B25B 5 /-</u> | <u>B33Y 10 /-</u> | <u>B60R 13 /-</u> | 2020326519 | <u>B65D 65 /-</u> |
| 2020339721 | 2020317372 | 2020315222 | 2020318660 | <u>B64C 29 /-</u> | 2020325639 |
| <u>B05B 1 /-</u> | <u>B25C 1 /-</u> | <u>B33Y 30 /-</u> | <u>B60R 5 /-</u> | 2020332673 | <u>B65D 71 /-</u> |
| 2020331970 | 2020334861 | 2020315222 2020338248 | 2020328465 2020354785 | <u>B64C 39 /-</u> | 2020309524 |
| <u>B05B 12 /-</u> | <u>B25J 19 /-</u> | <u>B33Y 50 /-</u> | <u>B61F 5 /-</u> | 2020344464 | <u>B65D 81 /-</u> |
| 2020331970 | 2020330380 | 2020331649 2020333212 | 2020335966 | <u>B64D 11 /-</u> | 2020315373 2020355489 |
| <u>B05B 7 /-</u> | <u>B25J 9 /-</u> | <u>B33Y 70 /-</u> | <u>B61H 5 /-</u> | 2019471554 | <u>B65D 83 /-</u> |
| 2020331970 | 2020330380 2020333886 | 2020315222 | <u>B61L 23 /-</u> | 2020344464 | 2020309496 |
| <u>B07B 1 /-</u> | <u>B26B 19 /-</u> | <u>B33Y 80 /-</u> | 2020328572 | <u>B64G 1 /-</u> | <u>B65G 1 /-</u> |
| 2020319853 | 2020331227 | 2020327616 | <u>B62D 1 /-</u> | 2019473170 2020319085 | 2020335401 2020339119 2020389910 |
| <u>B07C 3 /-</u> | <u>B26B 21 /-</u> | 2020334058 2020364115 2020365101 | 2020320351 | <u>B64G 3 /-</u> | <u>B65G 43 /-</u> |
| 2020340248 | 2020315403 2020331227 | <u>B60C 23 /-</u> | <u>B62D 25 /-</u> | 2020319085 | 2020407872 |
| <u>B07C 5 /-</u> | <u>B28B 1 /-</u> | <u>B60G 17 /-</u> | 2020318660 | <u>B65B 11 /-</u> | <u>B65H 5 /-</u> |
| 2020309583 2020323233 2020344485 | 2020315222 | 2020330973 | <u>B62D 33 /-</u> | 2020346736 2020349415 2020350496 | 2020348065 |
| <u>B08B 13 /-</u> | <u>B28B 23 /-</u> | <u>B60J 10 /-</u> | <u>B62D 5 /-</u> | <u>B65B 57 /-</u> | <u>B66B 1 /-</u> |
| 2020330380 | 2020317713 | 2020330305 | 2020320351 | 2020349415 | 2020328170 |
| <u>B08B 3 /-</u> | <u>B28B 7 /-</u> | <u>B60J 5 /-</u> | <u>B62D 55 /-</u> | <u>B65B 65 /-</u> | <u>B66B 5 /-</u> |
| 2020312373 | 2020317713 | 2020327864 | 2020325003 2020327894 | 2020349415 | 2020328170 |
| <u>B09B 3 /-</u> | <u>B29C 45 /-</u> | <u>B60J 7 /-</u> | <u>B63B 35 /-</u> | <u>B65B 7 /-</u> | <u>B66C 13 /-</u> |
| 2020312795 2020314183 2020315189 2020337184 | 2020328503 | 2020327864 2020328465 2020330305 2020354785 | 2020319898 | 2020314310 | 2020323967 |
| <u>B09B 5 /-</u> | <u>B29C 48 /-</u> | <u>B60L 53 /-</u> | <u>B63B 59 /-</u> | <u>B65D 25 /-</u> | <u>B66F 11 /-</u> |
| 2020314183 | 2020320015 | 2020345551 | 2020330300 | 2020326432 2020331283 | 2020323967 |
| <u>B21D 43 /-</u> | 2020315222 2020315842 2020331649 2020338248 | <u>B60P 1 /-</u> | <u>B63C 1 /-</u> | <u>B65D 39 /-</u> | <u>B66F 9 /-</u> |
| 2020335401 2020339119 | <u>B29C 67 /-</u> | 2020316242 2020317061 2020318658 2020318660 | 2020346748 | 2020314310 2020331283 | 2020336166 |
| <u>B22F 3 /-</u> | 2020315857 | | <u>B63C 11 /-</u> | <u>B65D 41 /-</u> | <u>B67B 1 /-</u> |
| 2020327616 | <u>B31D 1 /-</u> | | 2020330300 | 2020314310 2020331283 | 2020314310 |
| | 2020315373 | | <u>B63C 3 /-</u> | <u>B65D 43 /-</u> | <u>B67D 1 /-</u> |
| | | | 2020346748 | 2020314310 | 2020315139 2020323227 |

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

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|--------------------------|--------------------------|--|--|--|--|
| B67D 7 /- | C04B 20 /- | C07C 317 /- | C07D 295 /- | C07D 417 /- | C07F 15 /- |
| 2019461478 | 2020312752 2020328192 | 2020311404 | 2020311404 | 2020311625 2020316243 | 2019464913 |
| B82Y 10 /- | C04B 22 /- | C07C 319 /- | C07D 307 /- | 2020318682 2020320034 2020345899 2020345916 | C07F 5 /- |
| 2020314674 2020340968 | 2020317713 | 2020343325 | 2020323532 | | 2020318682 |
| B82Y 20 /- | C04B 28 /- | C07C 323 /- | C07D 311 /- | C07D 453 /- | C07F 9 /- |
| 2020314674 2020324338 | 2020312752 | 2020343325 | 2019465548 2020326738 2020333396 | 2020318682 | 2020333099 2020343940 |
| B82Y 40 /- | C04B 33 /- | C07C 39 /- | C07D 317 /- | C07D 471 /- | C07H 1 /- |
| 2020328192 | 2020328192 | 2019465548 2020326738 2020333396 | 2020328474 | 2020304472 2020309946 2020310120 2020317642 2020320992 2020328025 2020328598 2020336381 2020336580 2020337720 2020345899 | 2020319737 2020320499 |
| 2020314674 2020338248 | C04B 7 /- | C07C 45 /- | C07D 333 /- | | C07H 13 /- |
| B82Y 5 /- | 2020312752 2020330562 | 2020334188 | 2020316080 | | 2020319737 2020320499 |
| 2020310168 | C05F 5 /- | C07C 47 /- | C07D 401 /- | | C07H 15 /- |
| C01B 21 /- | 2020320509 | 2020334188 | 2020313312 2020315640 2020316011 2020316243 2020317642 2020318682 2020320034 2020328025 2020328598 2020333761 2020336381 2020336580 2020345899 | | 2020320849 2020323449 |
| 2020372557 | C05G 3 /- | C07C 49 /- | | C07D 487 /- | C07H 17 /- |
| C01B 3 /- | 2020330567 | 2020334188 | | 2020304472 2020310120 2020313312 2020317642 2020318970 2020320992 2020328154 2020328598 2020336381 2020345899 | 2020325054 2020329149 |
| 2020325127 2020360477 | C07C 13 /- | C07C 5 /- | | | C07H 19 /- |
| C01B 32 /- | 2019465548 2020328537 | 2020328537 | | | 2020333099 |
| 2020334452 | C07C 209 /- | C07D 205 /- | | | C07H 21 /- |
| C01B 33 /- | 2020317120 | 2020334489 | | | 2020315931 2020328511 2020338787 2020343009 |
| 2020312752 2020337184 | C07C 211 /- | C07D 211 /- | C07D 403 /- | | C07H 7 /- |
| C01B 6 /- | 2020317120 | 2020310120 | 2020315640 2020328025 2020328598 2020336580 2020345899 | C07D 491 /- | 2020319737 2020320499 |
| 2020325127 | C07C 215 /- | C07D 213 /- | | 2020309244 2020328025 2020328598 2020336580 | C07J 31 /- |
| C01C 3 /- | 2020345766 | 2020317120 2020320034 | | | 2020317084 |
| 2020360751 | C07C 217 /- | C07D 231 /- | C07D 405 /- | | C07J 71 /- |
| C01F 11 /- | 2020328474 | 2020317120 | 2020318682 2020323532 2020328025 2020328598 2020328678 2020336580 2020345899 2020345916 | C07D 493 /- | 2020317084 |
| 2020312752 | C07C 219 /- | C07D 237 /- | | 2020318682 2020328474 | C07K 1 /- |
| C01F 5 /- | 2020328474 | 2020345899 | | | 2020313592 2020346959 |
| 2020312752 | C07C 227 /- | C07D 239 /- | | C07D 498 /- | C07K 14 /- |
| C03C 17 /- | 2021310207 | 2020328026 2020328678 2020336580 | | 2020313312 2020328598 2020345899 | 2019457235 2019462166 2020299425 2020300820 2020309556 2020310855 2020311618 2020311636 2020312560 2020313592 2020314044 |
| 2020349035 | C07C 229 /- | C07D 241 /- | C07D 409 /- | C07D 513 /- | |
| C04B 14 /- | 2020328474 2021310207 | 2020317120 | 2020318682 2020345899 | 2020309745 2020328568 | |
| 2020312752 | C07C 237 /- | C07D 257 /- | C07D 413 /- | C07D 519 /- | |
| C04B 18 /- | 2020328474 | 2020316435 | 2020313312 2020313965 2020315433 2020315605 2020315640 2020316243 2020318682 2020328598 2020345899 | 2020304472 2020328154 | |
| 2020328192 | C07C 253 /- | C07D 273 /- | | | |
| C04B 2 /- | 2020360751 | 2020311059 | | C07F 1 /- | |
| 2020330562 | C07C 311 /- | C07D 277 /- | | 2021310207 | |
| | 2020311404 | 2020320034 | | | |

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

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|--------------------------|---------------------------|---------------------------|---------------------------|--------------------------|-------------------------|
| 2020314883 | | <u>C08K 5 /-</u> | | <u>C12H 1 /-</u> | 2020341186 |
| 2020315598 | <u>C07K 19 /-</u> | 2020300261 | <u>C09D 5 /-</u> | 2019321503 | 2020341711 |
| 2020315931 | | 2020330608 | 2020330608 | | 2020346818 |
| 2020316002 | 2020316002 | | 2021282417 | <u>C12M 1 /-</u> | 2020346959 |
| 2020316961 | 2020316435 | <u>C08K 9 /-</u> | | | 2020347147 |
| 2020319732 | 2020320459 | | <u>C09D 7 /-</u> | 2020322793 | 2020348784 |
| 2020320129 | 2020328050 | 2020300261 | | | 2020349480 |
| 2020320445 | 2020346818 | | 2021282417 | <u>C12M 3 /-</u> | 2020361848 |
| 2020320459 | 2020370292 | <u>C08L 1 /-</u> | | | 2020406768 |
| 2020321354 | 2020406768 | | <u>C09J 123 /-</u> | 2020322793 | |
| 2020321710 | | 2020312637 | | | <u>C12N 3 /-</u> |
| 2020321898 | <u>C07K 7 /-</u> | 2020313511 | 2020325776 | <u>C12N 1 /-</u> | 2020322425 |
| 2020322191 | | | | | 2020323464 |
| 2020322246 | 2020318955 | <u>C08L 23 /-</u> | <u>C09J 153 /-</u> | 2020312637 | |
| 2020322247 | 2020321898 | | | 2020313511 | <u>C12N 5 /-</u> |
| 2020323767 | 2020329156 | 2020325776 | 2020330636 | 2020322425 | |
| 2020324460 | 2020334196 | 2020330636 | | 2020331293 | 2019463156 |
| 2020325690 | | | <u>C09J 7 /-</u> | 2020334909 | 2020309946 |
| 2020325770 | <u>C08B 1 /-</u> | <u>C08L 27 /-</u> | | 2020348784 | 2020310855 |
| 2020327671 | | | 2020336323 | 2020354581 | 2020311877 |
| 2020327949 | 2020354508 | 2020330608 | | | 2020314044 |
| 2020328050 | | | <u>C09K 17 /-</u> | <u>C12N 13 /-</u> | 2020314956 |
| 2020328776 | <u>C08B 30 /-</u> | <u>C08L 29 /-</u> | | | 2020315878 |
| 2020330121 | | | 2020320509 | 2020310855 | 2020316002 |
| 2020330755 | 2020354508 | 2020330608 | 2020326714 | | 2020316708 |
| 2020331020 | | | | <u>C12N 15 /-</u> | 2020316867 |
| 2020331401 | <u>C08B 37 /-</u> | <u>C08L 3 /-</u> | <u>C09K 8 /-</u> | | 2020318955 |
| 2020333370 | | | | 2019456113 | 2020320129 |
| 2020334064 | 2020310172 | 2020227121 | 2019477004 | 2019457251 | 2020321354 |
| 2020334196 | | 2020227123 | 2020334909 | 2019462166 | 2020322246 |
| 2020334923 | <u>C08F 2 /-</u> | 2020354508 | | 2020298552 | 2020322790 |
| 2020336023 | | | <u>C10B 47 /-</u> | 2020314044 | 2020323767 |
| 2020341711 | 2020330567 | <u>C08L 53 /-</u> | | 2020314333 | 2020324185 |
| 2020347154 | | | 2020314183 | 2020314883 | 2020325027 |
| 2020349480 | <u>C08F 220 /-</u> | 2020330636 | 2020315189 | 2020315800 | 2020327593 |
| 2020370292 | | | <u>C10G 2 /-</u> | 2020316002 | 2020327671 |
| 2020406768 | 2020329845 | <u>C08L 63 /-</u> | | 2020319732 | 2020327949 |
| | 2020330567 | | 2020386787 | 2020320129 | 2020328052 |
| <u>C07K 16 /-</u> | <u>C08G 59 /-</u> | 2019456207 | | 2020320436 | 2020329525 |
| | | | <u>C10G 3 /-</u> | 2020320849 | 2020331685 |
| 2019456113 | 2019456207 | <u>C08L 67 /-</u> | | 2020321710 | 2020336302 |
| 2020310892 | | | 2020335231 | 2020322027 | 2020336473 |
| 2020313981 | <u>C08G 63 /-</u> | 2020227121 | 2020386787 | 2020322246 | 2020336791 |
| 2020314966 | | 2020227123 | | 2020322247 | 2020338014 |
| 2020315369 | 2020300261 | 2020300261 | <u>C10G 45 /-</u> | 2020323767 | 2020341186 |
| 2020315878 | 2020315842 | 2020315842 | | 2020323881 | 2020341711 |
| 2020315925 | | | 2020386787 | 2020324185 | 2020343300 |
| 2020316961 | <u>C08G 65 /-</u> | <u>C08L 83 /-</u> | | 2020324460 | 2020347147 |
| 2020320222 | | | <u>C10J 1 /-</u> | 2020324543 | |
| 2020323601 | 2019457235 | 2019456207 | | 2020324957 | <u>C12N 7 /-</u> |
| 2020324185 | | | 2020312795 | 2020325199 | |
| 2020325097 | <u>C08G 73 /-</u> | <u>C09D 11 /-</u> | | 2020325350 | 2019457251 |
| 2020325350 | | | <u>C10J 3 /-</u> | 2020325705 | 2020311618 |
| 2020325690 | 2020324543 | 2020315857 | | 2020326774 | 2020312725 |
| 2020325753 | 2020325705 | 2020328846 | 2020314183 | 2020327537 | 2020327783 |
| 2020325770 | <u>C08G 77 /-</u> | <u>C09D 13 /-</u> | 2020315189 | 2020327783 | 2020333370 |
| 2020325981 | | | | 2020328474 | 2020338014 |
| 2020327949 | 2019456207 | 2020335099 | <u>C10K 1 /-</u> | 2020328511 | 2020340343 |
| 2020328050 | | | | 2020328611 | |
| 2020328195 | <u>C08J 11 /-</u> | <u>C09D 131 /-</u> | 2020314183 | 2020328835 | <u>C12N 9 /-</u> |
| 2020329761 | | | 2020315189 | 2020328855 | |
| 2020331963 | 2020300261 | 2020329845 | | 2020329311 | 2020314044 |
| 2020332371 | | | <u>C10L 1 /-</u> | 2020330121 | 2020320436 |
| 2020333370 | <u>C08J 3 /-</u> | <u>C09D 133 /-</u> | | 2020336332 | 2020324460 |
| 2020336210 | | | 2020386787 | 2020336791 | 2020325199 |
| 2020336473 | 2020315842 | 2020329845 | | 2020336953 | 2020327671 |
| 2020338481 | <u>C08K 3 /-</u> | <u>C09D 163 /-</u> | <u>C12C 11 /-</u> | 2020336969 | 2020328827 |
| 2020349462 | | | | 2020337918 | 2020329311 |
| | 2020300261 | 2020331663 | 2019321503 | 2020338014 | 2020329616 |
| <u>C07K 17 /-</u> | 2020328846 | <u>C09D 167 /-</u> | | 2020340343 | 2020336468 |
| | 2020330636 | | <u>C12G 3 /-</u> | 2020340622 | 2020336953 |
| 2020318955 | | 2020330608 | 2019321503 | | |

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

| | | | | | |
|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| 2020336969 | | | <u>E02D 33 /-</u> | | |
| 2020340428 | <u>C22B 13 /-</u> | <u>C25D 7 /-</u> | 2021240317 | <u>E04H 17 /-</u> | <u>E21B 43 /-</u> |
| 2020341711 | | | | | 2019457059 |
| 2020347147 | 2020327673 | 2020335005 | | 2020367829 | 2019474242 |
| 2020348784 | | | <u>E02D 5 /-</u> | <u>E04H 3 /-</u> | 2019477004 |
| | <u>C22B 15 /-</u> | <u>D01D 13 /-</u> | 2021240317 | 2020319687 | 2020327907 |
| <u>C12P 19 /-</u> | 2020327673 | 2020338248 | | | 2020332078 |
| | 2020373621 | | <u>E02F 9 /-</u> | <u>E05B 17 /-</u> | 2020334909 |
| 2020310172 | | <u>D01D 5 /-</u> | 2019464016 | | <u>E21B 47 /-</u> |
| 2020328511 | <u>C22B 19 /-</u> | 2020338248 | 2019468555 | 2020325216 | |
| 2020329166 | | | 2020327893 | | 2020329111 |
| 2020361848 | 2020327673 | <u>D02G 3 /-</u> | 2020328464 | <u>E05B 47 /-</u> | |
| | | 2020343215 | | 2020325216 | <u>E21B 49 /-</u> |
| <u>C12P 21 /-</u> | <u>C22B 3 /-</u> | | <u>E03C 1 /-</u> | 2020328465 | 2020329111 |
| | 2020314315 | <u>D04B 21 /-</u> | 2020313544 | 2020354785 | <u>E21C 45 /-</u> |
| 2020324460 | 2020373621 | | 2020315677 | | |
| 2020329616 | | 2019460585 | | <u>E05B 65 /-</u> | 2019468555 |
| 2020361848 | <u>C22B 58 /-</u> | | <u>E03F 5 /-</u> | 2020325216 | |
| | 2020314315 | <u>D06F 33 /-</u> | 2020326300 | | <u>E21D 21 /-</u> |
| 2020320436 | | 2020299055 | | <u>E05B 81 /-</u> | |
| <u>C12P 5 /-</u> | <u>C22B 7 /-</u> | | <u>E04B 1 /-</u> | 2020328465 | 2019465436 |
| | 2020327673 | <u>D06F 34 /-</u> | 2020319687 | 2020354785 | 2020326732 |
| 2020334909 | | 2020299055 | 2020326457 | | <u>E21F 13 /-</u> |
| | <u>C22C 14 /-</u> | | 2020334357 | <u>E05F 1 /-</u> | 2020347849 |
| <u>C12Q 1 /-</u> | 2020323969 | <u>D06F 39 /-</u> | | 2020314335 | |
| | 2020325061 | 2020299055 | <u>E04B 2 /-</u> | | <u>E21F 17 /-</u> |
| 2020302958 | | | 2020334357 | <u>E05F 3 /-</u> | 2019465436 |
| 2020315931 | <u>C22C 22 /-</u> | <u>D06F 58 /-</u> | | 2020314335 | |
| 2020315955 | | 2020312373 | <u>E04B 5 /-</u> | | <u>F02B 43 /-</u> |
| 2020317617 | 2020323969 | 2020331355 | 2020317713 | <u>E05F 5 /-</u> | 2020329130 |
| 2020320436 | 2020325061 | | | 2020314335 | |
| 2020321370 | | <u>D06F 71 /-</u> | <u>E04C 2 /-</u> | | <u>F02B 63 /-</u> |
| 2020321991 | <u>C22C 38 /-</u> | | 2020317713 | <u>E06B 9 /-</u> | 2020329130 |
| 2020322027 | 2020335005 | 2020331355 | 2020326457 | 2019455814 | |
| 2020322790 | | | | 2019456448 | <u>F02D 29 /-</u> |
| 2020323302 | <u>C23C 14 /-</u> | <u>D06F 81 /-</u> | <u>E04C 5 /-</u> | 2020327864 | 2020326438 |
| 2020323767 | | 2020333535 | 2020317713 | 2020328465 | |
| 2020323881 | <u>C23C 2 /-</u> | | 2020326457 | | <u>F02G 5 /-</u> |
| 2020327251 | | <u>D21H 17 /-</u> | | <u>E21B 10 /-</u> | 2020329130 |
| 2020327667 | 2020325639 | 2020323766 | <u>E04D 1 /-</u> | 2020324001 | |
| 2020328835 | | | 2020314005 | <u>E21B 17 /-</u> | <u>F02M 35 /-</u> |
| 2020329166 | <u>C23C 28 /-</u> | <u>D21H 19 /-</u> | | 2020332078 | 2020326444 |
| 2020331293 | 2020325639 | 2020323766 | <u>E04D 13 /-</u> | 2020337179 | |
| 2020338787 | | 2020325639 | 2020314005 | <u>E21B 21 /-</u> | <u>F03B 11 /-</u> |
| 2020340343 | <u>C23C 28 /-</u> | | | | 2019457026 |
| 2020345178 | 2020325639 | <u>D21H 21 /-</u> | <u>E04D 3 /-</u> | 2019477004 | |
| | | 2020334058 | 2020314005 | 2020332559 | <u>F03B 13 /-</u> |
| <u>C21D 1 /-</u> | <u>C25B 1 /-</u> | | | | |
| | 2020313943 | <u>D21H 27 /-</u> | <u>E04D 5 /-</u> | <u>E21B 23 /-</u> | 2019456727 |
| 2020335005 | 2020326706 | 2020323766 | 2020336323 | | 2019457026 |
| | 2021266339 | 2020325639 | | 2020337179 | 2020312166 |
| <u>C21D 6 /-</u> | | | <u>E04F 13 /-</u> | <u>E21B 3 /-</u> | 2020314723 |
| | <u>C25B 11 /-</u> | <u>E01B 25 /-</u> | 2020320015 | 2019464016 | <u>F03B 17 /-</u> |
| 2020335005 | 2020313943 | 2019465436 | 2020334357 | | 2019457026 |
| | 2020326706 | <u>E01C 11 /-</u> | | <u>E21B 33 /-</u> | |
| <u>C21D 8 /-</u> | | 2020326457 | <u>E04F 15 /-</u> | 2019479309 | <u>F03D 1 /-</u> |
| | <u>C25B 3 /-</u> | | 2020320015 | | 2020314723 |
| 2020335005 | 2020313943 | <u>E02C 5 /-</u> | <u>E04H 12 /-</u> | <u>E21B 41 /-</u> | |
| | 2020326706 | 2020346748 | | 2020332078 | |
| <u>C21D 9 /-</u> | <u>C25B 9 /-</u> | | 2020317848 | | |
| | 2020313943 | | | | |
| 2020323969 | | | | | |
| 2020335005 | <u>C25D 3 /-</u> | | | | |
| | 2020335005 | | | | |

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| <u>F03D 13 /-</u> | <u>F16K 15 /-</u> | <u>F25B 47 /-</u> | <u>F28F 3 /-</u> | <u>G01M 15 /-</u> | <u>G01S 13 /-</u> | |
| 2020319898 | 2020313544 2020315677 | 2020328033 | 2020323285 2020328843 | 2020326438 | 2019452391 2020327651 2020386840 | |
| <u>F03D 7 /-</u> | <u>F16K 7 /-</u> | <u>F25B 7 /-</u> | <u>F41A 33 /-</u> | <u>G01M 3 /-</u> | <u>G01S 17 /-</u> | |
| 2020319898 | 2020325073 | 2020328033 | 2020325224 | 2020326300 | 2020336151 2020339715 2020349458 | |
| <u>F03D 9 /-</u> | <u>F16L 11 /-</u> | <u>F25C 1 /-</u> | <u>F41J 2 /-</u> | <u>G01N 1 /-</u> | <u>G01S 7 /-</u> | |
| 2020314723 | 2020332078 | 2020324207 | 2019457244 | 2020323881 | 2019452391 2020325307 2020339715 2020349458 2020386840 | |
| <u>F04B 43 /-</u> | <u>F16L 3 /-</u> | <u>F25C 5 /-</u> | <u>F42B 12 /-</u> | <u>G01N 11 /-</u> | <u>G01V 1 /-</u> | |
| 2020325073 2020361720 | 2020317372 2020332078 | 2020324207 | 2020326236 | 2020323943 | 2020325168 2020334307 2020343900 | |
| <u>F04B 49 /-</u> | <u>F16L 51 /-</u> | <u>F25D 11 /-</u> | <u>F42B 33 /-</u> | <u>G01N 15 /-</u> | <u>G01V 11 /-</u> | |
| 2020361720 | 2020311780 | 2020324850 | 2020340203 | 2020314838 | 2020325168 2020327713 | |
| <u>F04D 13 /-</u> | <u>F16L 59 /-</u> | <u>F25D 17 /-</u> | <u>F42B 5 /-</u> | <u>G01N 21 /-</u> | <u>G01V 3 /-</u> | |
| 2020332267 | 2019456207 2020310019 2020310020 2020310768 2020311239 2020311780 | 2020310020 2020311239 2020324207 2020324850 2020355489 | 2020340203 | 2020309583 2020314674 2020338317 | 2019452391 | |
| <u>F04D 29 /-</u> | <u>F16M 11 /-</u> | <u>F25D 21 /-</u> | <u>F42B 7 /-</u> | <u>G01N 22 /-</u> | <u>G01V 8 /-</u> | |
| 2020332267 | 2020317848 | 2020311780 2020328033 | 2020340203 | 2020323943 | 2020327713 | |
| <u>F15B 1 /-</u> | <u>F22B 1 /-</u> | <u>F25D 23 /-</u> | <u>F42C 19 /-</u> | <u>G01N 27 /-</u> | <u>G01V 99 /-</u> | |
| 2021307473 | 2020327907 | 2020310019 2020310020 2020310768 2020311239 2020311780 2020326641 2020326927 2020355489 | 2020340203 | 2020314838 | 2020325168 | |
| <u>F15B 11 /-</u> | <u>F23D 14 /-</u> | <u>F25D 31 /-</u> | <u>F42D 1 /-</u> | <u>G01N 29 /-</u> | <u>G02B 1 /-</u> | |
| 2019464016 | 2019458403 | 2020328843 | 2020347355 | 2019462239 | 2020324338 | |
| <u>F15B 13 /-</u> | <u>F23G 5 /-</u> | <u>F25J 1 /-</u> | <u>G01B 11 /-</u> | <u>G01N 31 /-</u> | <u>G02B 27 /-</u> | |
| 2019464016 | 2020312795 2020314183 2020315189 | 2020327920 2020333219 | 2020330380 2020407872 | 2020338317 | 2020339715 | |
| <u>F15D 1 /-</u> | <u>F24F 1 /-</u> | <u>F28D 1 /-</u> | <u>G01C 11 /-</u> | <u>G01N 33 /-</u> | <u>G02B 5 /-</u> | |
| 2020313544 2020315677 | 2020326586 | 2020309299 | 2020327651 | 2019456113 2020302958 2020303897 2020309583 2020320459 2020321710 2020322246 2020322790 2020323767 2020324185 2020325350 2020327251 2020327593 2020328835 2020328849 2020330755 2020331020 2020334980 2020346959 2020349462 | 2020327713 | 2020325168 |
| <u>F16B 13 /-</u> | <u>F24F 11 /-</u> | <u>F28D 20 /-</u> | <u>G01F 1 /-</u> | <u>G01H 9 /-</u> | <u>G02B 6 /-</u> | |
| 2020326732 | 2020326586 | 2020309299 | 2020329840 | 2020327713 | 2019472715 2020321429 | |
| <u>F16B 2 /-</u> | <u>F24F 110 /-</u> | <u>F28D 9 /-</u> | <u>G01F 25 /-</u> | <u>G01J 5 /-</u> | <u>G02C 1 /-</u> | |
| 2020317372 | 2020326586 | 2020323285 | 2020329840 | 2019457244 | 2020321604 | |
| <u>F16C 32 /-</u> | <u>F24F 13 /-</u> | <u>F28F 1 /-</u> | <u>G01K 7 /-</u> | <u>G01L 5 /-</u> | <u>G02C 7 /-</u> | |
| 2019463023 | 2020317848 | 2020328843 | 2020332295 | 2021240317 | 2020351724 | |
| <u>F16D 55 /-</u> | <u>F24S 70 /-</u> | <u>F28F 13 /-</u> | <u>G01M 13 /-</u> | <u>G01R 27 /-</u> | <u>G02C 9 /-</u> | |
| 2020321464 | 2020315500 | 2020315500 2020323285 | 2020330380 | 2020314838 | 2020321604 | |
| <u>F16F 13 /-</u> | <u>F24T 10 /-</u> | | | <u>G01R 33 /-</u> | | |
| 2020335966 | 2020309299 | | | 2020334980 | | |
| <u>F16F 7 /-</u> | | | | | | |
| 2020335966 | | | | | | |
| <u>F16J 15 /-</u> | | | | | | |
| 2020326519 | | | | | | |

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| <u>G02F 1 /-</u> | 2020319088 2020321805 2020325220 2020329197 2020335869 | 2020334997 2020335935 2020340369 2020369453 | <u>G09C 1 /-</u> | | <u>H01L 39 /-</u> | <u>H02J 7 /-</u> |
| 2020324338 2020336047 | | | 2019461059 2019461061 | | 2020324398 | 2020330235 2020388957 |
| <u>G03G 15 /-</u> | <u>G06F 3 /-</u> | <u>G06Q 50 /-</u> | <u>G09F 13 /-</u> | <u>H01L 51 /-</u> | <u>H02J 9 /-</u> | |
| 2020348065 | 2020319085 2020326447 2020344961 2020356269 2020356572 | 2020310940 2020311845 2020326471 2020326572 2020340248 2020340369 2020349458 | 2020336047 | 2020334902 | 2020388957 | |
| <u>G03G 21 /-</u> | | | <u>G09F 21 /-</u> | <u>H01M 10 /-</u> | <u>H02K 11 /-</u> | |
| 2020348065 | | | 2020336047 | 2020326532 2020330235 2021225632 | 2020336060 | |
| <u>G03H 1 /-</u> | <u>G06F 30 /-</u> | <u>G06T 11 /-</u> | <u>G09F 27 /-</u> | <u>H01M 12 /-</u> | <u>H02K 13 /-</u> | |
| 2020364115 | 2020319085 2020333212 | 2020319085 2020330507 2020332998 | 2020336047 | 2020323485 | 2020336060 | |
| <u>G05B 19 /-</u> | <u>G06F 8 /-</u> | | <u>G09G 3 /-</u> | <u>H01M 4 /-</u> | <u>H02K 7 /-</u> | |
| 2020315567 2020325073 | 2020328920 2020337837 | <u>G06T 15 /-</u> | 2021215098 | 2020323485 | 2019463023 2020336060 | |
| <u>G05D 1 /-</u> | <u>G06F 9 /-</u> | <u>G06T 19 /-</u> | <u>G10L 15 /-</u> | <u>H01M 8 /-</u> | <u>H02M 1 /-</u> | |
| 2020320870 2020336151 2020336166 2020347849 | 2020319088 2020327970 2020340213 | 2020350118 | 2021297802 | 2020328531 2020323485 2020326532 2020329309 | 2020388721 | |
| <u>G05D 16 /-</u> | <u>G06K 19 /-</u> | <u>G06T 5 /-</u> | <u>G10L 21 /-</u> | <u>H01Q 1 /-</u> | <u>H02M 11 /-</u> | |
| 2020314305 | 2020335935 | 2020327651 | 2020315795 | 2020366303 | 2020328531 | |
| <u>G05D 23 /-</u> | <u>G06K 9 /-</u> | <u>G06T 7 /-</u> | <u>G10L 25 /-</u> | <u>H01Q 21 /-</u> | <u>H02M 5 /-</u> | |
| 2020333395 | 2020337890 | 2020329106 2020330615 2020331453 2020336308 2020407872 2021257959 | 2020336129 2021297802 | 2020348603 2020366303 | 2020328531 | |
| <u>G05D 7 /-</u> | <u>G06N 10 /-</u> | <u>G06T 10 /-</u> | <u>G11B 27 /-</u> | <u>H01Q 25 /-</u> | <u>H02M 7 /-</u> | |
| 2020313544 2020315677 | 2020340968 | 2020336101 | 2021297802 | 2020386840 | 2020323657 | |
| <u>G06F 11 /-</u> | <u>G06N 20 /-</u> | <u>G07D 7 /-</u> | <u>G16H 10 /-</u> | <u>H01Q 3 /-</u> | <u>H02P 9 /-</u> | |
| 2020319779 2020325220 2020335869 2020340213 | 2020312642 2020344464 | 2020365101 | 2020311031 | 2020386840 | 2020326438 | |
| <u>G06F 113 /-</u> | <u>G06N 3 /-</u> | <u>G07F 13 /-</u> | <u>G16H 15 /-</u> | <u>H01Q 20 /-</u> | <u>H02S 20 /-</u> | |
| 2020333212 | 2020312642 2020327651 2020330615 2020343900 | 2020310591 | 2020311031 2020321288 2020327213 | 2020366303 2020386840 | 2021266339 | |
| <u>G06F 119 /-</u> | <u>G06Q 10 /-</u> | <u>G07F 17 /-</u> | <u>G16H 20 /-</u> | <u>H01R 12 /-</u> | <u>H02S 30 /-</u> | |
| 2020333212 | 2019471554 2020311845 2020326471 2020334354 2020336166 2020340248 | 2020334997 | 2020311031 | 2020336313 | 2021266339 | |
| <u>G06F 15 /-</u> | | <u>G08C 17 /-</u> | <u>G16H 50 /-</u> | <u>H01R 13 /-</u> | <u>H02S 40 /-</u> | |
| 2020340213 | | 2020325224 | 2020312642 | 2020321357 | 2021266339 | |
| <u>G06F 16 /-</u> | <u>G06Q 20 /-</u> | <u>G08G 1 /-</u> | <u>H01J 43 /-</u> | <u>H01R 4 /-</u> | <u>H02S 50 /-</u> | |
| 2020311300 2020319779 2020337837 | 2020310591 2020313880 2020314543 2020321805 2020323860 | 2020349458 | 2020333881 | 2020321357 | 2020331453 | |
| <u>G06F 21 /-</u> | | <u>G09B 17 /-</u> | <u>H01J 49 /-</u> | <u>H02B 1 /-</u> | <u>H04B 10 /-</u> | |
| 2019461059 2020311031 2020311300 2020314543 2020315905 2020318888 | 2020310591 2020313880 2020314543 2020321805 2020323860 | 2020315795 | 2020333881 | 2020318849 | 2020332813 | |
| | <u>G06Q 30 /-</u> | <u>G09B 5 /-</u> | <u>H01L 27 /-</u> | <u>H02G 3 /-</u> | <u>H04B 13 /-</u> | |
| | 2020325220 2020326572 | 2020315795 | 2020333881 | 2020332078 | 2020313880 | |
| | | <u>G09B 9 /-</u> | <u>H01L 31 /-</u> | <u>H02H 7 /-</u> | <u>H04B 17 /-</u> | |
| | | 2020325224 | 2020324398 2021215098 | 2020323657 | 2020314455 | |
| | | | | <u>H02J 3 /-</u> | <u>H04B 7 /-</u> | |
| | | | | 2020323657 2020333139 | 2020314455 2020328447 | |

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| <u>H04H 60 /-</u> | 2020336047 2020339715 | <u>H05K 1 /-</u> |
| 2019457816 2020328225 | <u>H04R 1 /-</u> | 2020336313 |
| <u>H04L 12 /-</u> | 2019462145 2020318909 | <u>H05K 7 /-</u> |
| 2020315567 2021225632 | <u>H04R 25 /-</u> | 2020336047 2020348603 |
| <u>H04L 25 /-</u> | 2020336129 | |
| 2020314455 | <u>H04R 7 /-</u> | |
| <u>H04L 5 /-</u> | 2019462145 | |
| 2020314455 2020324253 2020328569 | <u>H04W 12 /-</u> | |
| <u>H04L 65 /-</u> | 2020314543 2020329305 2020340368 | |
| 2020307905 2020311031 2020313880 2020314543 2020315905 2020326447 | <u>H04W 24 /-</u> | |
| <u>H04L 67 /-</u> | 2019461142 | |
| 2020319779 | <u>H04W 28 /-</u> | |
| <u>H04L 69 /-</u> | 2019465791 | |
| 2021225632 | <u>H04W 4 /-</u> | |
| <u>H04L 9 /-</u> | 2019465791 2020314543 2020330380 2020382517 | |
| 2020307905 2020311300 2020313880 2020314543 2020315905 2020318888 2020319088 2020319779 2020321805 2020329197 | <u>H04W 72 /-</u> | |
| <u>H04M 1 /-</u> | 2020315822 2020328569 | |
| 2020340368 2020356269 | <u>H04W 74 /-</u> | |
| <u>H04M 3 /-</u> | 2019460300 2020315822 | |
| 2020337833 2020340368 | <u>H04W 76 /-</u> | |
| <u>H04N 19 /-</u> | 2019460300 2020329305 2020382517 | |
| 2019462982 2020341156 | <u>H04W 8 /-</u> | |
| <u>H04N 21 /-</u> | 2020314975 | |
| 2020314975 2020318673 2020318674 | <u>H04W 84 /-</u> | |
| <u>H04N 5 /-</u> | 2020328447 | |
| 2020315795 | <u>H04W 92 /-</u> | |
| | 2019465791 | |
| | <u>H05B 1 /-</u> | |
| | 2020333395 | |
| | <u>H05B 6 /-</u> | |
| | 2020327616 2020333395 | |

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E04G 21/32 (2006.01)
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 (51) Int. Cl.
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 (21) 2020270136 (22) 08.05.2020
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C02F 1/28 (2006.01)
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 (74) FB Rice Pty Ltd

(71) Abundant Robotics, Inc.
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A01D 46/00 (2006.01)
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 (54) Succinate salt of cytosine and use thereof
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A61K 31/439 (2006.01)
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A61K 9/127 (2006.01)
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A61K 47/40 (2006.01)
A61K 47/54 (2017.01)
C07C 5/02 (2006.01)
C08B 37/16 (2006.01)
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 (74) K&L Gates

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C01B 21/20 (2006.01)
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C07D 417/14 (2006.01)
A61K 31/427 (2006.01)
A61P 31/04 (2006.01)
C07C 13/04 (2006.01)
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A61K 45/06 (2006.01)
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 C07K 19/00 (2006.01)
 C12N 5/10 (2006.01)
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A61K 31/715 (2006.01)
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(21) 2019397517 **(22)** 12.12.2019
(54) Battery with liquid temperature controlling system
(51) Int. Cl.
B60L 53/80 (2019.01)
B60L 53/18 (2019.01)
B60L 58/26 (2019.01)
H01M 10/44 (2006.01)

H01M 10/60 (2014.01)
H01M 10/613 (2014.01)
H01M 10/625 (2014.01)
H01M 10/6557 (2014.01)
H01M 10/6567 (2014.01)
(87) WO2020/123854
(31) 16/217,616 **(32)** 12.12.18 **(33)** US
(43) 18.06.2020
(44) 03.03.2022
(72) MUNIZ, Thomas P.; MELACK, John
(74) Davies Collison Cave Pty Ltd

(71) Yield10 Bioscience, Inc.
(11) AU-B-2018290308
(21) 2018290308 **(22)** 22.06.2018
(54) Methods and genes for producing land plants with increased expression of mitochondrial metabolite transporter and/or plastidial dicarboxylate transporter genes
(51) Int. Cl.
A01H 5/00 (2018.01)
C07K 14/415 (2006.01)
C07K 16/16 (2006.01)
(87) WO2018/237231
(31) 62/524,134 **(32)** 23.06.17 **(33)** US
 62/546,268 16.08.17 US
(43) 27.12.2018
(44) 03.03.2022
(72) Skraly, Frank Anthony; Snell, Kristi D.
(74) AJ PARK

(71) Yuhan Corporation
(11) AU-B-2018256227
(21) 2018256227 **(22)** 18.04.2018
(54) Salt of an aminopyridine derivative compound, a crystalline form thereof, and a process for preparing the same
(51) Int. Cl.
C07D 413/14 (2006.01)
A61K 31/5377 (2006.01)
(87) WO2018/194356
(31) 10-2017-0051687 **(32)** 21.04.17 **(33)** KR
(43) 25.10.2018
(44) 03.03.2022
(72) Oh, Sang Ho; Kim, Jong Gyun; Oh, Se-Woong; Han, Tae Dong; Chung, Soo Yong; Lee, Seong Ran; Kim, Kyeong Bae; Lee, Young Sung; Shin, Woo Seob; Ju, Hyun; Kang, Jeong Ki; Park, Su Min; Kim, Dong Kyun
(74) Spruson & Ferguson

(71) Zoetis Services LLC
(11) AU-B-2016301375
(21) 2016301375 **(22)** 04.08.2016
(54) Signal amplification in solution-based plasmonic specific-binding partner assays
(51) Int. Cl.
B82Y 30/00 (2011.01)
B82Y 35/00 (2011.01)
G01N 21/17 (2006.01)
G01N 21/55 (2006.01)
(87) WO2017/024163
(31) 62/201,051 **(32)** 04.08.15 **(33)** US
(43) 09.02.2017

(44) 03.03.2022
(72) Mehra, Rajesh K.; Aron, Kenneth P.; Chiang, Vincent; Frisz, Jessica
(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) Zogenix International Limited
(11) AU-B-2021202576
(21) 2021202576 **(22)** 27.04.2021
(54) Fenfluramine compositions and methods of preparing the same
(51) Int. Cl.
B01J 23/72 (2006.01)
B01J 27/055 (2006.01)
B01J 27/122 (2006.01)
B01J 27/25 (2006.01)
C07C 45/54 (2006.01)
C07C 49/223 (2006.01)
(43) 27.05.2021
(44) 03.03.2022
(62) 2021201339
(72) LONDESBROUGH, Derek; ANDERSEN, Marc W.
(74) Davies Collison Cave Pty Ltd

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| 2015323725 | CeMM Forschungszentrum fur Molekulare Medizin GmbH | 2017201013 | Illinois Tool Works Inc. |
| 2015331848 | Children's Hospital Center, d/b/a Cincinnati Children's Hospital Medical Center | 2017202311 | Howmedica Osteonics Corp. |
| 2015362617 | CEPHEID | 2017202472 | Otis Elevator Company |
| 2015410455 | JGC Corporation | 2017202701 | SkyX Limited |
| 2016202692 | Bio-Rad Laboratories, Inc. | 2017202846 | A. Finkl & Sons Co. |
| 2016204837 | Sumner Manufacturing Company, LLC | 2017203711 | Truma Geraetetechnik GmbH & Co. KG |
| 2016212815 | Stichting Sanquin Bloedvoorziening | 2017203770 | Reutech Radar Systems (Proprietary) Limited |
| 2016231141 | Micreos Human Health B.V. | 2017204468 | ALSTOM Transport Technologies |
| 2016233250 | Regeneron Pharmaceuticals, Inc. | 2017205201 | THI Total Healthcare Innovation GmbH |
| 2016238852 | Idemia Identity & Security France | 2017206099 | May, M. |
| 2016250211 | TC Biopharm Ltd | 2017206408 | BPW Bergische Achsen KG |
| 2016252209 | Institut national de recherche pour l'agriculture, l'alimentation et l'environnement; MaaT Pharma | 2017211495 | Global Surface Intelligence Limited |
| 2016262758 | Vitra Patente AG | 2017213174 | Nobel Biocare Services AG |
| 2016271497 | Novartis Ag; The Trustees of the University of Pennsylvania | 2017213464 | Daon Enterprises Limited |
| 2016275368 | Nymox Corporation | 2017215300 | Achieve Pharma UK Limited |
| 2016276656 | Biological E Limited | 2017217746 | Lufthansa Technik AG; Deutsche Lufthansa Aktiengesellschaft |
| 2016277613 | Mettler-Toledo GmbH | 2017219462 | Statoil Petroleum AS |
| 2016285017 | Biological E Limited | 2017224899 | Universite de Nantes; Centre National de la Recherche Scientifique |
| 2016289877 | Genective | 2017225764 | Q30 Sports Science, LLC |
| 2016297089 | Ecolab USA Inc. | 2017227516 | Medivir Aktiebolag |
| 2016301375 | Zoetis Services LLC | 2017228727 | STUT NO. 1 Pty Ltd |
| 2016302436 | Bayer Animal Health GmbH | 2017228859 | Corning Optical Communications LLC |
| 2016311166 | Veridium IP Limited | 2017229852 | J.D. Franco & Co., LLC |
| 2016313075 | BlueArc Finance AG | 2017231582 | Koninklijke Douwe Egberts B.V. |
| 2016316033 | Memorial Sloan Kettering Cancer Center | 2017231584 | Koninklijke Douwe Egberts B.V. |
| 2016324305 | Regeneron Pharmaceuticals, Inc. | 2017231750 | Fresenius Medical Care Holdings, Inc. |
| 2016324920 | Falini, B.; Martelli, M. | 2017232205 | The Boeing Company |
| 2016325197 | Plasser & Theurer Export Von Bahnbaumaschinen Gesellschaft m.b.H. | 2017232368 | Merit Medical Systems, Inc. |
| 2016326496 | Weatherford Technology Holdings, LLC | 2017233547 | Tekcyte Pty Ltd |
| 2016331156 | Richter Life Science Development AB | 2017233550 | Aushealth Corporate Pty Ltd; University of South Australia |
| 2016341958 | Flow International Corporation | 2017234345 | Fisher & Paykel Healthcare Limited |
| 2016342183 | FUJIFILM Cellular Dynamics, Inc. | 2017236687 | Brand Pack (Pty) Ltd |
| 2016344713 | Activ'inside; Specialites Pet Food; Universite Laval; Institut National de la Recherche Scientifique (INRS) | 2017238487 | Johnson & Johnson Surgical Vision, Inc. |
| 2016346332 | University of Wyoming | 2017246661 | AMO Development, LLC |
| 2016349453 | Ecolab USA Inc. | 2017247046 | Source Digital, Inc. |
| 2016353324 | Badge Inc. | 2017248025 | Boehringer Ingelheim RCV GmbH & Co KG; Sandoz GmbH |
| 2016353538 | ImpediMed Limited | 2017248115 | Vivior AG |
| 2016354491 | Cytec Industries Inc. | 2017248704 | Statsports Group Limited |
| 2016359272 | Caterpillar Inc. | 2017249334 | Cryovac, LLC |
| 2016365121 | Intabio, Inc. | 2017252192 | ImCyse SA |
| 2016371028 | Bristol, Inc., d/b/a Remote Automation Solutions | 2017253848 | Hawa Sliding Solutions AG |
| 2016373295 | GazTransport et Technigaz | 2017253936 | Geosyntec Consultants, Inc. |
| 2016375670 | Louis Vuitton Malletier | 2017255538 | Tanvex BioPharma USA, Inc. |
| 2016381065 | General Electric Company | 2017256692 | Smith & Nephew plc |
| 2016382966 | Inovio Pharmaceuticals, Inc. | 2017256895 | PZ Cussons (International) Ltd |
| 2016385458 | Caterpillar Inc. | 2017259896 | Karl Leibinger Medizintechnik GmbH & Co. KG |
| 2016389393 | Synaptive Medical Inc. | 2017261196 | Entellus Medical, Inc. |
| 2016392456 | Mauser-Werke GmbH | 2017261509 | Muller et CIE |
| 2016398417 | Halliburton Energy Services, Inc. | 2017263331 | OMNI Solutions LLC |
| 2016399760 | Cascade Corporation | 2017263531 | Beiersdorf AG |
| 2016412141 | Razer (Asia-Pacific) Pte. Ltd. | 2017263533 | BEIERSDORF AG; Formulated Solutions, LLC |
| 2016412143 | Aluminium Offshore Pte Ltd | 2017263534 | Beiersdorf AG |
| 2016423784 | Halliburton Energy Services, Inc. | 2017263538 | BEIERSDORF AG; Formulated Solutions, LLC |
| 2016425069 | Huawei Technologies Co., Ltd. | 2017267591 | Alberts NV |
| 2016427000 | Halliburton Energy Services, Inc. | 2017267979 | MannKind Corporation |
| 2016428406 | GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD. | 2017269206 | General Electric Company |
| 2016429363 | Lexmark International, Inc. | 2017271008 | Metrol Technology Limited |
| 2016429622 | Taizhou Lerrisolar Technology Co.,Ltd. | 2017272095 | Bigfoot Biomedical, Inc. |
| 2016432415 | Guangdong Oppo Mobile Telecommunications Corp., Ltd. | 2017272344 | Sanofi Pasteur Inc. |
| 2016433792 | Halliburton Energy Services, Inc. | 2017273118 | BAE Systems plc |
| | | 2017274350 | Samumed, LLC |
| | | 2017275392 | F. Hoffmann-La Roche AG |
| | | 2017281095 | Pearson Education, Inc.; Habermehl, K.; Lochbaum, K.; Sanders, R.; Way, W.; Calme, R. |

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| 2017286309 | M.E.P. Macchine Elettroniche Piegatrici S.p.A. | 2018266640 | Entasis Therapeutics, Inc. |
| 2017286715 | The General Hospital Corporation | 2018270221 | Nicholson Design Consultants Limited |
| 2017288958 | Carlsberg Breweries A/S | 2018270295 | NFlection Therapeutics, Inc. |
| 2017288996 | Tovis Co., Ltd. | 2018272359 | CSPC ZHONGQI PHARMACEUTICAL TECHNOLOGY (SHIJIAZHUANG) CO., LTD. |
| 2017294466 | Berker GmbH & Co. KG | 2018273557 | Isolynx, LLC |
| 2017294551 | Pfizer Inc.; Université Côte d'Azur; INSERM (Institut National de la Santé et de la Recherche Médicale) | 2018274599 | Topadur Pharma AG |
| 2017294806 | McPharma Biotech Inc. | 2018277958 | AYUMI Pharmaceutical Corporation |
| 2017299457 | Scientia Vascular, LLC | 2018281889 | Institut Pasteur; Centre National de la Recherche Scientifique |
| 2017299518 | PepsiCo, Inc. | 2018284046 | Kemira Oyj |
| 2017301122 | Vodasafe Inc. | 2018288519 | Janssen Pharmaceutica NV |
| 2017301748 | Cephea Valve Technologies, Inc. | 2018290308 | Yield10 Bioscience, Inc. |
| 2017302538 | Sharp Kabushiki Kaisha; FG Innovation Company Limited | 2018303293 | Hovione Scientia Limited |
| 2017305150 | Koppers Performance Chemicals Inc. | 2018309538 | LG Electronics Inc. |
| 2017306764 | Alcon Inc. | 2018311521 | Novartis AG |
| 2017314293 | Jubilant Generics Limited (formerly a division of Jubilant Life Sciences Limited) | 2018316818 | Abbott Diabetes Care Inc. |
| 2017315006 | Vita Zahnfabrik H. Rauter GmbH & Co. KG | 2018326543 | Dentsply DeTrey GmbH |
| 2017316955 | JCR Pharmaceuticals Co., Ltd. | 2018330131 | LG Electronics Inc. |
| 2017318439 | Panasonic Intellectual Property Corporation of America | 2018335539 | 3M Innovative Properties Company |
| 2017327693 | PackBenefit S.L. | 2018338192 | Kite Pharma, Inc. |
| 2017328899 | LightFi Limited | 2018345068 | Ube Industries, Ltd. |
| 2017336905 | Sharp Kabushiki Kaisha; FG Innovation Company Limited | 2018346029 | Ube Industries, Ltd. |
| 2017340216 | Sharp Kabushiki Kaisha; FG Innovation Company Limited | 2018352315 | Boston Scientific Scimed, Inc. |
| 2017344747 | Australian Foundation For Diabetes Research | 2018353842 | Raytheon Company |
| 2017345760 | ViaSat, Inc. | 2018353990 | Hussmann Corporation |
| 2017346451 | Virtually Live (Switzerland) GmbH | 2018367921 | Forgetspecc.com Pty Ltd; Queensland University of Technology |
| 2017350304 | Janssen Vaccines & Prevention B.V. | 2018368440 | AiVita Biomedical, Inc. |
| 2017352206 | Vertex Pharmaceuticals (Europe) Limited | 2018372281 | Mitsubishi Heavy Industries Thermal Systems, Ltd. |
| 2017354452 | Panasonic Intellectual Property Corporation of America | 2018379509 | LG Electronics Inc. |
| 2017360939 | Merck Sharp & Dohme Corp. | 2018385362 | Welltec Oilfield Solutions AG |
| 2017361117 | Cynata Therapeutics Limited | 2018387575 | Kverneland Group Nieuw-Vennep B.V. |
| 2017361863 | Neuroloop GmbH | 2018409334 | Kabushiki Kaisha Toshiba; Toshiba Energy Systems & Solutions Corporation |
| 2017362883 | General Electric Company | 2018413678 | Shenzhen Hive Box Technology Co., Ltd |
| 2017363973 | Cellix Bio Private Limited | 2018416802 | Nantong Egens Biotechnology Co., Ltd. |
| 2017368274 | Reactive Technologies Limited | 2018419253 | Outotec (Finland) Oy |
| 2017372377 | BeiGene, Ltd. | 2018421443 | Landis+Gyr Innovations, Inc. |
| 2017378448 | Solo Gelato Ltd. | 2018421493 | GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD. |
| 2017378640 | FMC Corporation | 2018427767 | Essity Hygiene and Health Aktiebolag |
| 2017382987 | Lennard Electronics Limited | 2018429145 | Siemens Mobility, Inc. |
| 2017385290 | Sharp Kabushiki Kaisha; FG Innovation Company Limited | 2018433740 | Mitsubishi Electric Corporation |
| 2017391826 | GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD. | 2018441289 | Mitsubishi Electric Corporation |
| 2017405304 | Victoria Link Limited; Turnbull, J. | 2019215337 | Omniceil, Inc. |
| 2017411068 | LzLabs GmbH | 2019216455 | Bioxodes |
| 2018200878 | General Dynamics Mission Systems, Inc | 2019216507 | Energystics, Ltd. |
| 2018201052 | Blue Prism Limited | 2019219750 | Asymptote Ltd |
| 2018201773 | OASEN N.V. | 2019221213 | Guangzhou Xaircraft Technology Co., Ltd. |
| 2018201890 | ALSTOM Transport Technologies | 2019224209 | GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD. |
| 2018203996 | TAYLOR-LISTUG, INC. D/B/A TAYLOR GUITARS | 2019226236 | The Regents of the University of California |
| 2018206865 | Landis+Gyr AG | 2019228134 | Obvia Pharmaceuticals Ltd |
| 2018217664 | Janssen Pharmaceutica NV | 2019229463 | SUMITOMO CHEMICAL COMPANY, LIMITED; RIKEN |
| 2018222556 | Merck Patent GmbH | 2019232686 | Victaulic Company |
| 2018225269 | THOMSON Licensing | 2019237186 | Element Six (UK) Limited |
| 2018236167 | WANDisco, Inc. | 2019242569 | The Gillette Company LLC |
| 2018236433 | Magic Leap, Inc. | 2019242573 | The Gillette Company LLC |
| 2018237541 | Kim, B. | 2019242986 | Green Cross Corporation |
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| 2018241136 | JGC COMPONENTS PTY LTD | 2019251299 | Veolia Water Solutions & Technologies Support |
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| 2018250304 | Boehringer Ingelheim Animal Health USA Inc. | 2019257485 | Sequenom Center for Molecular Medicine; Sequenom, Inc |
| 2018256227 | Yuhan Corporation | 2019258375 | Mitsubishi Heavy Industries Thermal Systems, Ltd. |
| 2018257739 | Raytheon Company | 2019260694 | Danieli Automation S.p.A.; Danieli & C. Officine Meccaniche S.p.A. |
| 2018259102 | Prieur, B. | 2019262610 | Citrix Systems, Inc. |
| 2018261331 | SPG Therapeutics, Inc. | 2019262835 | Elekta, Inc. |
| 2018262478 | FMC Corporation | | |

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| 2019268108 | Fisher & Paykel Healthcare Limited | 2020227067 | Northrop Grumman Systems Corporation |
| 2019271204 | Vascular Technology, Incorporated | 2020233636 | Gen-Probe Incorporated |
| 2019271980 | Ecolab USA Inc. | 2020233647 | Shanghai Clear Fluid Biomedical Science Co., Ltd. |
| 2019273834 | Novartis AG | 2020233907 | International Business Machines Corporation |
| 2019273845 | Mölnlycke Health Care AB | 2020239641 | Covidien LP |
| 2019275488 | Blue Ocean Seismic Services Limited | 2020239713 | Brother Kogyo Kabushiki Kaisha |
| 2019279282 | CJ Cheiljedang Corporation | 2020239740 | Apple Inc. |
| 2019280038 | Gavrieli Brands, LLC | 2020239760 | JVCKENWOOD Corporation |
| 2019284055 | Gilbarco Inc. | 2020239771 | Dexcom, Inc. |
| 2019290955 | Moogene Medi Co., Ltd. | 2020239786 | NuVasive, Inc. |
| 2019292599 | DFH Therapeutics; The United States of America, as represented by the Secretary, Department of Health and Human Services | 2020239810 | Apple Inc. |
| | | 2020239816 | Precision Planting LLC |
| 2019297661 | FLSmith A/S | 2020245450 | S&C Electric Company |
| 2019308625 | Sichuan Shunying Power Battery Material Co. Ltd. | 2020247994 | Promaxo, Inc. |
| 2019309241 | Citrix Systems, Inc. | 2020250305 | Edgewell Personal Care Brands, LLC |
| 2019312431 | SEW-EURODRIVE GmbH & Co. KG | 2020256330 | Wing Aviation LLC |
| 2019314624 | Ascentage Pharma (Suzhou) Co., Ltd. | 2020256407 | Toyota Jidosha Kabushiki Kaisha |
| 2019314862 | Fairchild Fasteners Europe - Camloc GmbH | 2020256467 | Novartis AG |
| 2019320727 | University of Washington | 2020257105 | ServiceNow, Inc. |
| 2019323640 | Hydrofields BV | 2020260383 | Transportation IP Holdings, LLC |
| 2019325764 | Oscotec Inc. | 2020260445 | Pictometry International Corp. |
| 2019327392 | Techtronic Floor Care Technology Limited | 2020264345 | Donaldson Company, Inc. |
| 2019327403 | Hendrickson USA, L.L.C. | 2020270136 | Abtech Industries, Inc. |
| 2019327467 | Abundant Robotics, Inc. | 2020274965 | Applied Research Associates, Inc. |
| 2019330575 | Changsha Zeda Medical Tech. Co., Ltd | 2020280994 | GE Video Compression, LLC |
| 2019331331 | Samsung Electronics Co., Ltd. | 2020281397 | Beijing Institute of Technology |
| 2019332772 | Abundant Robotics, Inc. | 2020286305 | Qualcomm Incorporated |
| 2019334536 | Komatsu Ltd. | 2020286335 | FITOUSSI, R. |
| 2019336819 | Asahi Kasei Kabushiki Kaisha | 2020288448 | Scott Airway Management Pty Ltd |
| 2019337115 | Jubilant Generics Limited | 2020291791 | Elonroad AB |
| 2019347290 | Daikin Industries, Ltd. | 2020294334 | Lifetime Products, Inc |
| 2019370856 | Elaflex Hiby GmbH & Co. KG | 2020299588 | Oakwood Laboratories, LLC |
| 2019371340 | Nantkwest, Inc. | 2020300256 | Ceres Tag Pty Ltd |
| 2019373056 | Waymo LLC | 2020321399 | Lockheed Martin Corporation |
| 2019374743 | Neovasc Tiara Inc. | 2020332008 | Marathon Robotics Pty Ltd |
| 2019384090 | Baker Hughes Holdings LLC | 2020343995 | Clariant International Ltd |
| 2019391425 | Brainvivo Ltd. | 2020356809 | Soochow University |
| 2019397517 | Wisk Aero LLC | 2020369833 | Raytheon Company |
| 2019465494 | CORENTEC Co., Ltd. | 2020385538 | Harwich Haven Authority |
| 2020200054 | MacroGenics, Inc. | 2021200055 | Becton, Dickinson and Company |
| 2020200101 | Genentech, Inc. | 2021201775 | Quantum Servo Pumping Technologies Pty Ltd |
| 2020200158 | Taylor, F. | 2021202007 | Wing Aviation LLC |
| 2020200301 | Breville Pty Limited | 2021202114 | Microbial Screening Technologies Pty Ltd |
| 2020200596 | Daiichi Sankyo Company, Limited | 2021202133 | ConMed Corporation |
| 2020202011 | View, Inc. | 2021202405 | Verathon Inc. |
| 2020202038 | Hologic, Inc. | 2021202576 | Zogenix International Limited |
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| 2020202541 | Mallinckrodt Hospital Products IP Limited | | |
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| 2020203497 | Signal Pharmaceuticals LLC | | |
| 2020203682 | Apple Inc. | | |
| 2020204081 | Canon Kabushiki Kaisha | | |
| 2020204372 | Snap-on Incorporated | | |
| 2020204442 | LG ELECTRONICS INC. | | |
| 2020204546 | Tornier Orthopedics Ireland Ltd. | | |
| 2020204604 | Precision Planting LLC | | |
| 2020205283 | W. L. Gore & Associates, Inc. | | |
| 2020205342 | ICU Medical, Inc. | | |
| 2020207849 | GOJO INDUSTRIES, INC. | | |
| 2020210176 | CITRIX SYSTEMS, INC. | | |
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| 2020217330 | Ab Initio Technology LLC | | |
| 2020217335 | Ecolab USA Inc. | | |
| 2020218502 | Rutgers, The State University of New Jersey | | |
| 2020220189 | TODOC Co., Ltd. | | |
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| 2017305150 | 2017263531 | <u>A47J 43 /-</u> | 2017272095 | 2019273845 | 2021202114 |
| 2021202114 | 2017263533 | 2017267591 | 2018316818 | <u>A61G 7 /-</u> | <u>A61K 36 /-</u> |
| <u>A01N 27 /-</u> | 2017263534 | <u>A47L 11 /-</u> | 2019391425 | 2019273845 | 2016344713 |
| 2018288519 | 2017263538 | 2019327392 | 2020239771 | <u>A61H 39 /-</u> | <u>A61K 38 /-</u> |
| <u>A01N 3 /-</u> | <u>A41D 1 /-</u> | <u>A47J 42 /-</u> | <u>A61B 8 /-</u> | 2017225764 | 2016231141 |
| 2018288519 | 2017205201 | 2017267591 | 2019271204 | <u>A61J 7 /-</u> | 2016275368 |
| <u>A01N 43 /-</u> | <u>A41D 13 /-</u> | 2019327392 | 2021202405 | 2019215337 | 2017294551 |
| 2017305150 | 2017205201 | <u>A47L 5 /-</u> | <u>A61B 90 /-</u> | <u>A61K 31 /-</u> | 2017350304 |
| 2018262478 | 2020274965 | 2019327392 | 2016389393 | 2018247931 | 2018368440 |
| <u>A01N 55 /-</u> | <u>A42B 3 /-</u> | <u>A47L 7 /-</u> | 2018352315 | 2019216455 | 2019216455 |
| 2017305150 | 2017205201 | 2019327392 | 2020288448 | 2020214952 | 2020233647 |
| <u>A01N 63 /-</u> | <u>A43B 13 /-</u> | <u>A47L 9 /-</u> | <u>A61C 1 /-</u> | <u>A61H 39 /-</u> | <u>A61K 39 /-</u> |
| 2019280038 | 2019280038 | 2019327392 | 2019249111 | 2017225764 | 2016276656 |
| | 2020204442 | <u>A47L 9 /-</u> | <u>A61C 13 /-</u> | <u>A61J 7 /-</u> | 2016285017 |
| | | 2019327392 | 2017315006 | 2019215337 | 2016302436 |
| | | 2019327392 | <u>A61C 17 /-</u> | <u>A61K 31 /-</u> | 2016316033 |
| | | 2019327392 | 2019249111 | 2016231141 | 2017252192 |
| | | 2020204442 | <u>A61C 3 /-</u> | 2016324920 | 2017272344 |
| | | | | 2016344713 | 2017316955 |
| | | | | 2017215300 | 2018281889 |
| | | | | 2017227516 | 2020200054 |
| | | | | 2017286715 | 2020200101 |
| | | | | 2017294806 | 2020200596 |
| | | | | 2017352206 | 2020256467 |
| | | | | 2017360939 | <u>A61K 45 /-</u> |
| | | | | 2017363973 | 2020233647 |
| | | | | 2017372377 | 2020256467 |
| | | | | 2017405304 | <u>A61K 47 /-</u> |
| | | | | 2018217664 | 2016252209 |
| | | | | 2018238079 | 2017344747 |
| | | | | 2018250304 | |

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|--|--|--|--|--|--------------------------|
| 2018368440 2020203054 | <u>A61M 16 /-</u> | 2018274599 2018277958 | 2017372377 2018277958 2020200101 | 2016412143 | <u>B01J 2 /-</u> |
| <u>A61K 48 /-</u> | 2017234345 2019268108 | <u>A61P 17 /-</u> | <u>A61P 43 /-</u> | 2019232686 | 2016346332 2020299588 |
| 2020233647 | 2020202541 2020288448 | 2017405304 2018277958 2019290955 | 2018277958 | <u>A62C 35 /-</u> | <u>B01J 23 /-</u> |
| <u>A61K 51 /-</u> | <u>A61M 25 /-</u> | <u>A61P 19 /-</u> | <u>A61P 5 /-</u> | 2019232686 | 2021202576 |
| 2019337115 | 2017232368 2017261196 2017299457 | 2018277958 | 2018277958 | <u>A62C 37 /-</u> | <u>B01J 27 /-</u> |
| <u>A61K 6 /-</u> | 2017301748 2021200055 | <u>A61P 21 /-</u> | <u>A61P 7 /-</u> | 2019232686 | 2021202576 |
| 2018326543 | <u>A61M 27 /-</u> | 2018277958 | 2019216455 2020214952 | <u>A63B 71 /-</u> | <u>B01J 7 /-</u> |
| <u>A61K 8 /-</u> | <u>A61M 29 /-</u> | <u>A61P 25 /-</u> | <u>A61P 9 /-</u> | 2020239740 | 2018288519 |
| 2017256895 2017263531 2017263533 2017263534 2017263538 2018427767 2020250305 | 2017229852 | 2016344713 2017215300 2017344747 2017405304 2018274599 2018277958 2019228134 2020233647 | 2018277958 2019228134 | <u>A63F 5 /-</u> | <u>B01L 7 /-</u> |
| <u>A61K 9 /-</u> | <u>A61M 31 /-</u> | <u>A61P 27 /-</u> | <u>A61Q 11 /-</u> | 2020286335 | 2020233636 |
| 2016346332 2016382966 2017263531 2017263533 2017263534 2017263538 2017286715 2017344747 2018368440 2019256805 2019290955 2020299588 2021202114 | 2020239771 | <u>A61P 29 /-</u> | 2017263531 2017263533 2017263538 | <u>B01D 15 /-</u> | 2020200158 |
| <u>A61L 15 /-</u> | <u>A61M 37 /-</u> | <u>A61P 29 /-</u> | <u>B01D 33 /-</u> | 2019242986 | <u>B03B 13 /-</u> |
| 2018427767 | 2020239771 | 2018277958 | 2019251299 | <u>B01D 39 /-</u> | 2018419253 |
| <u>A61L 27 /-</u> | <u>A61M 39 /-</u> | <u>A61P 3 /-</u> | <u>B01D 46 /-</u> | 2020270136 | <u>B03C 1 /-</u> |
| 2017233547 2017233550 2017344747 2019229463 2020227034 | 2020227034 2021202133 | 2016344713 2017344747 2018274599 2018277958 | <u>B01D 53 /-</u> | <u>B01D 61 /-</u> | 2016271497 |
| <u>A61L 31 /-</u> | <u>A61N 1 /-</u> | <u>A61P 31 /-</u> | <u>A61Q 19 /-</u> | 2020264345 | <u>B05B 1 /-</u> |
| 2017233547 | 2017286715 2017361863 2020218502 2020220189 | 2016344713 2017344747 2018274599 2018277958 | 2017256895 2017263531 2017263533 2017263534 2017263538 2020250305 | <u>B01D 63 /-</u> | 2019232686 |
| <u>A61L 33 /-</u> | <u>A61N 5 /-</u> | <u>A61P 33 /-</u> | <u>A61Q 5 /-</u> | 2015410455 | <u>B05B 13 /-</u> |
| 2017233547 | 2019262835 | 2016231141 2018266640 2018277958 2018311521 | 2017256895 2017263531 2017263533 2017263538 | <u>B01D 69 /-</u> | 2018387575 |
| <u>A61M 1 /-</u> | <u>A61P 1 /-</u> | <u>A61P 35 /-</u> | <u>A61Q 7 /-</u> | 2015410455 2018201773 2019336819 | <u>B07B 1 /-</u> |
| 2016212815 2017231750 2017256692 2019320727 | 2015331848 2016252209 2017294806 2017344747 2018217664 2018277958 | 2018250304 2021202114 | <u>A61Q 9 /-</u> | <u>B01D 61 /-</u> | 2019297661 |
| <u>A61M 13 /-</u> | <u>A61P 11 /-</u> | 2016275368 2016324920 2017227516 2017372377 2017405304 2018238079 2018270295 2018277958 2019314624 2019330575 2019371340 2020200101 2020200596 2020256467 | 2017256895 2017263531 2017263533 2017263538 | 2015410455 2018201773 2019336819 | <u>B09B 3 /-</u> |
| 2021202133 | <u>A61P 13 /-</u> | <u>A61P 37 /-</u> | <u>A62B 18 /-</u> | <u>B01D 63 /-</u> | 2017253936 |
| <u>A61M 15 /-</u> | <u>A61P 15 /-</u> | 2018277958 | 2017234345 | 2019336819 | <u>B09C 1 /-</u> |
| 2017267979 | | | <u>A62B 35 /-</u> | <u>B01D 69 /-</u> | 2017253936 |
| | | | 2018335539 | <u>B01F 21 /-</u> | <u>B21F 23 /-</u> |
| | | | 2020274965 | <u>B01F 23 /-</u> | <u>B23Q 17 /-</u> |
| | | | <u>A62B 7 /-</u> | <u>B01F 33 /-</u> | 2016341958 |
| | | | <u>A62C 3 /-</u> | 2020299588 | <u>B24B 21 /-</u> |
| | | | | <u>B01J 13 /-</u> | 2021273555 |
| | | | | 2016346332 | <u>B24B 27 /-</u> |
| | | | | <u>B01J 19 /-</u> | 2021273555 |
| | | | | 2016346332 | <u>B24B 9 /-</u> |
| | | | | | 2021273555 |
| | | | | | <u>B24C 1 /-</u> |
| | | | | | 2016341958 |

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|-------------------|-------------------|-------------------|--------------------|--------------------|--------------------|
| B24D 11 /- | 2019327403 | 2017202701 | | C07D 231 /- | C07D 413 /- |
| 2017228727 | B60K 6 /- | B64C 39 /- | C01B 21 /- | 2017360939 | 2017378640 |
| B25B 13 /- | 2016325197 | 2017202701 | 2020202541 | C07D 233 /- | 2018256227 |
| 2020204372 | B60L 13 /- | 2020256330 | C01B 25 /- | 2017286715 | 2018272359 |
| B25J 13 /- | 2020260383 | B64D 1 /- | 2016276656 | 2018261331 | 2018311521 |
| 2016399760 | B60L 5 /- | 2020256330 | C01F 17 /- | 2019330575 | C07D 417 /- |
| B25J 15 /- | 2020291791 | B64D 13 /- | 2017236687 | C07D 235 /- | 2017378640 |
| 2016399760 | B60L 50 /- | 2017217746 | C02F 1 /- | 2019330575 | 2018272359 |
| B26B 21 /- | 2020260383 | 2017232205 | 2017236687 | C07D 237 /- | 2018311521 |
| 2019242569 | B60L 53 /- | 2017232205 | 2018201773 | 2017360939 | C07D 471 /- |
| 2019242573 | 2019397517 | 2020260445 | 2020270136 | C07D 239 /- | 2017215300 |
| B26F 3 /- | 2020291791 | B64F 1 /- | C02F 11 /- | 2018262478 | 2017274350 |
| 2016341958 | B60L 58 /- | 2016412143 | 2017253936 | 2020203497 | 2018238079 |
| B27K 3 /- | 2019397517 | B64F 5 /- | C07B 59 /- | C07D 261 /- | 2018266640 |
| 2017305150 | B60P 3 /- | 2017232205 | 2017352206 | 2018250304 | 2018270295 |
| B29C 35 /- | 2018241136 | B65D 1 /- | C07C 1 /- | C07D 263 /- | 2019252208 |
| 2017228727 | B60R 1 /- | 2016392456 | 2018288519 | 2018311521 | C07D 487 /- |
| B29C 39 /- | 2019334536 | B65D 21 /- | C07C 13 /- | C07D 307 /- | 2017372377 |
| 2017228727 | B60W 20 /- | 2016392456 | 2018311521 | 2018222556 | 2018259102 |
| B29C 65 /- | 2016325197 | B65D 75 /- | C07C 217 /- | C07D 311 /- | 2018274599 |
| 2017327693 | B61C 3 /- | 2017249334 | 2018303293 | 2018222556 | 2019325764 |
| B29C 70 /- | 2016325197 | B65D 83 /- | C07C 229 /- | C07D 333 /- | C07D 491 /- |
| 2016354491 | 2020260383 | 2017263531 | 2018311521 | 2016331156 | 2020200596 |
| 2017228727 | B61C 9 /- | 2017263533 | C07C 291 /- | 2018222556 | C07D 495 /- |
| B32B 27 /- | 2016325197 | 2017263534 | 2018311521 | C07D 335 /- | 2018277958 |
| 2017249334 | 2020260383 | 2017263538 | C07C 311 /- | 2018222556 | C07D 498 /- |
| 2017327693 | B61L 27 /- | B65G 1 /- | C07C 311 /- | C07D 401 /- | C07D 498 /- |
| 2018245281 | 2017204468 | 2018413678 | 2018217664 | 2017378640 | 2019252208 |
| B32B 5 /- | B61L 29 /- | B66B 1 /- | C07C 45 /- | 2018272359 | C07D 519 /- |
| 2017228727 | 2018201890 | 2017202472 | 2018368440 | 2019256805 | 2018238079 |
| B32B 7 /- | 2018429145 | B66F 11 /- | 2021202576 | 2019330575 | C07H 15 /- |
| 2018245281 | B62D 25 /- | 2018413678 | C07C 49 /- | C07D 403 /- | 2017405304 |
| B41J 2 /- | 2018241136 | B66F 9 /- | C07C 5 /- | 2017378640 | C07J 53 /- |
| 2016429363 | B62D 35 /- | 2016399760 | 2018368440 | 2018272359 | 2019292599 |
| 2020239713 | 2018241136 | B67D 7 /- | C07D 207 /- | 2019256805 | C07J 63 /- |
| B41J 29 /- | B63B 59 /- | 2019284055 | 2017378640 | 2019330575 | 2019292599 |
| 2016429363 | 2018241136 | 2019370856 | C07D 209 /- | C07D 405 /- | C07K 1 /- |
| B60B 27 /- | B63G 8 /- | B82Y 30 /- | C07D 209 /- | 2017378640 | C07K 14 /- |
| 2019327403 | 2019275488 | 2016301375 | 2018222556 | 2018272359 | 2016233250 |
| B60B 35 /- | B64C 29 /- | B82Y 35 /- | C07D 221 /- | 2020256467 | 2016250211 |
| | | 2016301375 | 2020217335 | C07D 411 /- | 2016316033 |
| | | | | 2018262478 | 2017252192 |
| | | | | | 2017272344 |
| | | | | | 2017294551 |
| | | | | | 2017350304 |
| | | | | | 2018247931 |
| | | | | | 2018290308 |
| | | | | | 2018338192 |
| | | | | | 2019216455 |
| | | | | | 2019242986 |

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|---------------------------|---------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| 2019371340 | <u>C09F 9 /-</u> | 2015331848 | <u>D06F 39 /-</u> | 2017253848 | <u>F03D 17 /-</u> |
| 2020214952 | | 2016233250 | | | |
| 2020233647 | 2017314293 | 2016250211 | 2017263331 | <u>E06B 9 /-</u> | 2017269206 |
| <u>C07K 16 /-</u> | <u>C09K 19 /-</u> | 2016316033 | <u>D06F 58 /-</u> | 2020202011 | <u>F03D 7 /-</u> |
| 2016285017 | 2020356809 | 2016324305 | 2018379509 | <u>E21B 17 /-</u> | 2017269206 |
| 2017316955 | | 2016342183 | | | 2017362883 |
| 2018290308 | <u>C09K 3 /-</u> | 2017255538 | <u>D21D 1 /-</u> | 2016433792 | <u>F04B 13 /-</u> |
| 2018338192 | 2016349453 | 2017286715 | 2020202467 | <u>E21B 23 /-</u> | 2019226236 |
| 2019371340 | | 2017316955 | <u>D21H 11 /-</u> | 2018385362 | <u>F04B 39 /-</u> |
| 2020200054 | <u>C09K 8 /-</u> | 2017361117 | 2020202467 | 2019384090 | |
| 2020200101 | 2019271980 | 2019229463 | <u>C12N 9 /-</u> | <u>E21B 33 /-</u> | 2018433740 |
| 2020200596 | | 2019371340 | 2017316955 | | |
| 2020256467 | <u>C10B 47 /-</u> | 2020233647 | 2019279282 | 2016326496 | <u>F04B 53 /-</u> |
| <u>C07K 19 /-</u> | 2018345068 | | <u>D21H 19 /-</u> | 2016398417 | 2021201775 |
| 2017316955 | | <u>C12P 13 /-</u> | 2018284046 | 2016423784 | |
| 2020233647 | <u>C10B 53 /-</u> | | <u>D21H 21 /-</u> | 2018385362 | <u>F04C 18 /-</u> |
| <u>C08B 30 /-</u> | 2018345068 | 2019279282 | 2018284046 | <u>E21B 34 /-</u> | 2019258375 |
| 2017294806 | <u>C10B 57 /-</u> | <u>C12P 19 /-</u> | <u>E01B 27 /-</u> | 2016423784 | <u>F04D 13 /-</u> |
| <u>C08B 37 /-</u> | 2017253936 | 2019226236 | 2016325197 | 2017271008 | 2020299588 |
| 2018368440 | <u>C10L 3 /-</u> | <u>C12Q 1 /-</u> | <u>E01B 29 /-</u> | <u>E21B 41 /-</u> | <u>F16B 13 /-</u> |
| <u>C08F 124 /-</u> | 2015410455 | 2015331848 | 2016325197 | 2016427000 | 2017201013 |
| 2018222556 | <u>C10L 5 /-</u> | 2015362617 | <u>E01B 31 /-</u> | <u>E21B 43 /-</u> | <u>F16B 37 /-</u> |
| <u>C08F 126 /-</u> | 2018345068 | 2016212815 | 2016325197 | 2016371028 | 2019314862 |
| 2018222556 | 2018346029 | 2017361117 | <u>E01B 33 /-</u> | 2016381065 | |
| <u>C08F 128 /-</u> | <u>C10M 169 /-</u> | 2019226236 | 2016325197 | 2018385362 | <u>F16F 9 /-</u> |
| 2018222556 | 2020343995 | 2019257485 | <u>E01C 13 /-</u> | <u>E21B 44 /-</u> | 2017206408 |
| <u>C08F 212 /-</u> | <u>C11D 3 /-</u> | 2020202587 | 2019308625 | 2016427000 | <u>F16H 57 /-</u> |
| 2018284046 | 2020207849 | <u>C22B 21 /-</u> | <u>E01F 3 /-</u> | <u>E21B 47 /-</u> | 2019312431 |
| <u>C08G 61 /-</u> | <u>C11D 7 /-</u> | 2019308625 | 2016412143 | 2016371028 | <u>F16J 15 /-</u> |
| 2020217335 | 2020207849 | <u>C22B 3 /-</u> | <u>E02F 3 /-</u> | 2016427000 | 201201775 |
| <u>C08G 65 /-</u> | <u>C12C 1 /-</u> | 2018419253 | 2020385538 | 2017271008 | <u>F16L 1 /-</u> |
| 2017233547 | 2017288958 | 2019254727 | <u>E02F 9 /-</u> | <u>E21B 7 /-</u> | 2016204837 |
| 2017233550 | <u>C12C 7 /-</u> | 2019308625 | 2016359272 | 2016433792 | 2018237541 |
| <u>C08J 5 /-</u> | 2017288958 | <u>C22B 59 /-</u> | 2016385458 | <u>E21C 25 /-</u> | <u>F16L 15 /-</u> |
| 2017228727 | <u>C12M 1 /-</u> | 2019308625 | 2019334536 | 2019237186 | 2018237541 |
| <u>C08L 5 /-</u> | 2017224899 | <u>C22B 7 /-</u> | <u>E04B 1 /-</u> | 2019237186 | <u>F16L 17 /-</u> |
| 2018368440 | 2019226236 | 2017253936 | 2017201013 | <u>E21F 5 /-</u> | 2018237541 |
| <u>C09D 125 /-</u> | 2020218502 | <u>C22B 9 /-</u> | <u>E04F 13 /-</u> | 2016349453 | <u>F16L 19 /-</u> |
| 2018284046 | 2020233636 | 2017202846 | 2018245281 | <u>F02D 11 /-</u> | 2018237541 |
| <u>C09D 133 /-</u> | <u>C12N 15 /-</u> | <u>C25C 1 /-</u> | <u>E04F 21 /-</u> | 2020256407 | <u>F16L 37 /-</u> |
| 2018284046 | 2016289877 | 2019308625 | 2021273555 | <u>F02D 41 /-</u> | 2018237541 |
| <u>C09D 171 /-</u> | 2017316955 | <u>C25C 3 /-</u> | <u>E04G 21 /-</u> | 2020256407 | <u>F16L 59 /-</u> |
| 2017233550 | 2019257485 | 2019308625 | 2018335539 | <u>F03B 13 /-</u> | 2018309538 |
| | 2019279282 | <u>D06F 35 /-</u> | <u>E05D 15 /-</u> | 2019216507 | <u>F16L 7 /-</u> |
| | 2020218502 | 2017263331 | | | 2016326496 |
| | 2020233647 | | | | |
| | <u>C12N 5 /-</u> | | | | |
| | 2015323725 | | | | |

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|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| F16M 11 /- | F41J 2 /- | 2018206865 | G02C 7 /- | G06F 3 /- | G06T 3 /- |
| 2016204837 | 2020332008 | G01R 25 /- | 2017238487 | 2018245993 | 2016412141 |
| F17C 3 /- | G01B 11 /- | 2020245450 | G02F 1 /- | 2020203682 | G06T 7 /- |
| 2016373295 | 2016277613 | G01R 33 /- | 2020202011 | 2020221884 | 2017211495 |
| F21K 9 /- | G01F 1 /- | 2020247994 | G03B 11 /- | 2020223751 | G06V 30 /- |
| 2017206099 | 2016381065 | G01S 1 /- | 2017288996 | 2020239740 | 2016238852 |
| F21S 8 /- | G01L 19 /- | 2017248704 | G03F 7 /- | G06F 40 /- | G07F 11 /- |
| 2017206099 | 2017231750 | G01S 13 /- | 2016346332 | 2020221884 | 2018413678 |
| F21V 19 /- | G01M 17 /- | 2017203770 | G03G 21 /- | G06F 8 /- | 2019215337 |
| 2017206099 | 2020281397 | G01S 15 /- | 2020204081 | 2017411068 | G07F 17 /- |
| F21V 23 /- | G01N 13 /- | 2017301122 | G05B 15 /- | 2018201052 | 2020286335 |
| 2017206099 | 2016349453 | G01S 3 /- | 2017328899 | 2019262610 | G07F 9 /- |
| F21Y 103 /- | G01N 15 /- | 2018273557 | G05B 17 /- | 2020217330 | 2018413678 |
| 2017206099 | 2016365121 | G01S 5 /- | 2017248025 | 2020233907 | G08B 21 /- |
| F23G 5 /- | G01N 21 /- | 2017248704 | G05B 23 /- | G06K 19 /- | 2016311166 |
| 2017253936 | 2016301375 | G01S 7 /- | 2017248025 | 2016429363 | G08B 23 /- |
| F23G 7 /- | 2016365121 | 2017301122 | G05D 1 /- | G06K 9 /- | 2017211495 |
| 2017253936 | 2020217335 | 2019373056 | 2019221213 | 2017281095 | G10D 1 /- |
| F24D 19 /- | G01N 23 /- | G01T 1 /- | 2020291791 | 2020223751 | G11B 27 /- |
| 2017261509 | 2018419253 | 2018419253 | G05D 23 /- | G06N 3 /- | 2018203996 |
| F24F 1 /- | 2019254727 | 2019254727 | 2017261509 | 2018236433 | 2020203682 |
| 2018330131 | G01N 25 /- | G01V 1 /- | G05D 7 /- | G06N 99 /- | G16B 30 /- |
| 2018372281 | 2017232205 | 2019275488 | 2018288519 | 2017281095 | 2020239771 |
| F24F 11 /- | G01N 30 /- | G01V 3 /- | G06F 1 /- | 2020227067 | G16B 40 /- |
| 2017203711 | 2016365121 | 2017203770 | 2016311166 | G06Q 10 /- | 2020239740 |
| 2018441289 | G01N 31 /- | G01V 99 /- | G06F 15 /- | 2021202007 | G16C 10 /- |
| F24F 13 /- | 2020217335 | 2017219462 | 2020245450 | G06Q 20 /- | 2020239771 |
| 2018330131 | G01N 33 /- | G02B 1 /- | G06F 16 /- | 2016311166 | G16C 20 /- |
| F24F 7 /- | 2015323725 | 2017288996 | 2017281095 | 2019284055 | 2020239771 |
| 2018372281 | 2016212815 | G02B 27 /- | 2020217330 | G06Q 50 /- | G21K 1 /- |
| F25B 49 /- | 2016233250 | 2017238487 | 2020221884 | 2016202692 | 2018419253 |
| 2017203711 | 2016331156 | 2017273118 | 2020257105 | 2017368274 | 2019254727 |
| 2018353990 | 2017361117 | 2017346451 | G06F 17 /- | 2020256407 | H01J 1 /- |
| F25D 23 /- | 2018247931 | 2018245993 | 2017219462 | G06T 1 /- | 2020321399 |
| 2018309538 | 2018416802 | 2018367921 | 2018236167 | 2017211495 | H01L 27 /- |
| F27B 3 /- | G01R 1 /- | G02B 5 /- | G06F 21 /- | G06T 15 /- | 2020223751 |
| 2019260694 | 2018206865 | 2019373056 | 2016311166 | 2018225269 | 2020369833 |
| F27D 19 /- | G01R 11 /- | G02B 6 /- | 2017228859 | G06T 17 /- | 2020260445 |
| 2017202846 | 2018206865 | 2017273118 | 2017213464 | G06T 19 /- | H01L 29 /- |
| | G01R 22 /- | G02B 7 /- | 2017302538 | 2018225269 | 2020369833 |
| | | 2019373056 | 2020210176 | 2018245993 | |
| | | | 2020223751 | | |

Applications Accepted - IPC Index cont'd

| | | |
|--------------------------|--------------------------|--------------------------|
| <u>H01L 31 /-</u> | <u>H02S 50 /-</u> | <u>H04N 7 /-</u> |
| 2016429622 | 2017362883 | 2018273557 |
| 2020223751 | | 2019334536 |
| <u>H01M 10 /-</u> | <u>H03K 17 /-</u> | <u>H04Q 9 /-</u> |
| 2019397517 | 2018257739 | 2018421443 |
| <u>H01M 8 /-</u> | <u>H03M 7 /-</u> | <u>H04R 1 /-</u> |
| 2018409334 | 2020280994 | 2020203363 |
| <u>H01Q 1 /-</u> | <u>H04B 1 /-</u> | <u>H04R 25 /-</u> |
| 2019331331 | 2017302538 | 2020220189 |
| <u>H01Q 3 /-</u> | <u>H04B 17 /-</u> | <u>H04R 5 /-</u> |
| 2018353842 | 2018200878 | 2020203290 |
| <u>H01Q 9 /-</u> | <u>H04B 7 /-</u> | <u>H04S 7 /-</u> |
| 2019331331 | 2016432415 | 2020203290 |
| <u>H01R 13 /-</u> | 2017204468 | |
| 2017294466 | 2017345760 | <u>H04W 16 /-</u> |
| 2019314862 | 2017354452 | 2017354452 |
| <u>H01R 4 /-</u> | 2018200878 | <u>H04W 36 /-</u> |
| 2019314862 | <u>H04H 20 /-</u> | 2017340216 |
| <u>H02G 3 /-</u> | 2017302538 | <u>H04W 4 /-</u> |
| 2017294466 | <u>H04J 11 /-</u> | 2019224209 |
| <u>H02H 9 /-</u> | 2020286305 | 2020239810 |
| 2018257739 | <u>H04L 25 /-</u> | <u>H04W 40 /-</u> |
| <u>H02J 3 /-</u> | 2020286305 | 2018421443 |
| 2017368274 | <u>H04L 27 /-</u> | <u>H04W 56 /-</u> |
| 2019260694 | 2017318439 | 2020286305 |
| <u>H02J 7 /-</u> | 2017385290 | <u>H04W 60 /-</u> |
| 2018409334 | 2020286305 | 2017340216 |
| 2019215337 | <u>H04L 47 /-</u> | <u>H04W 68 /-</u> |
| <u>H02K 1 /-</u> | 2019309241 | 2018421493 |
| 2019347290 | <u>H04L 9 /-</u> | <u>H04W 72 /-</u> |
| <u>H02K 21 /-</u> | 2016353324 | 2016428406 |
| 2019347290 | <u>H04N 1 /-</u> | 2017336905 |
| <u>H02K 35 /-</u> | 2020210176 | 2017385290 |
| 2019216507 | <u>H04N 13 /-</u> | 2017391826 |
| <u>H02K 7 /-</u> | 2018367921 | <u>H04W 84 /-</u> |
| 2019347290 | <u>H04N 19 /-</u> | 2017354452 |
| <u>H02P 1 /-</u> | 2016425069 | <u>H04W 88 /-</u> |
| 2020204442 | 2020239760 | 2017340216 |
| <u>H02S 10 /-</u> | 2020280994 | <u>H05B 7 /-</u> |
| 2017362883 | <u>H04N 21 /-</u> | 2017202846 |
| | 2017247046 | 2019260694 |
| | 2020203682 | |
| | <u>H04N 5 /-</u> | |
| | 2018273557 | |

Certified Innovation Patents

Name Index

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

(71) Flocon Industries Pty Ltd
 (11) AU-B-2021105655
 (21) 2021105655 (22) 17.08.2021
 (54) Aggregate Distributor
 (51) Int. Cl.
 E01C 19/20 (2006.01)
 B60P 1/36 (2006.01)
 B65G 15/10 (2006.01)
 B65G 47/16 (2006.01)
 (45) 03.03.2022
 (62) 2020390428
 (72) Knight, Rory
 (74) Sandercock & Cowie

(71) Rezicast Solutions Pty Ltd
 (11) AU-B-2020101961
 (21) 2020101961 (22) 24.08.2020
 (54) Construction of a building using precast panels
 (51) Int. Cl.
 E04B 1/38 (2006.01)
 E04B 2/04 (2006.01)
 E04B 2/64 (2006.01)
 E04C 2/06 (2006.01)
 (45) 03.03.2022
 (62) 2019101652
 (72) Johnson, Michael
 (74) Adams Pluck

(71) Trisco ICAP Pty Ltd
 (11) AU-B-2020104240
 (21) 2020104240 (22) 22.12.2020
 (54) Storage and delivery system
 (51) Int. Cl.
 A23L 29/20 (2016.01)
 B65D 25/38 (2006.01)
 B65D 47/34 (2006.01)
 (45) 03.03.2022
 (62) 2017325108
 (72) Tristram, Michael; Tristram, Ian; Mos-
 sel, Brenda; Skarshewski, Peter
 (74) FB Rice Pty Ltd

Numerical Index

2020101961 Rezicast Solutions Pty Ltd
2020104240 Trisco ICAP Pty Ltd
2021105655 Flocon Industries Pty Ltd

IPC Index

A23L 29 /-

2020104240

B60P 1 /-

2021105655

B65D 25 /-

2020104240

B65D 47 /-

2020104240

B65G 15 /-

2021105655

B65G 47 /-

2021105655

E01C 19 /-

2021105655

E04B 1 /-

2020101961

E04B 2 /-

2020101961

E04C 2 /-

2020101961

Opposition Proceedings

(The name in parentheses is that of the opponent)

Opposition Lodged

2015344980 **BASF Plant Science Company GmbH** (Commonwealth Scientific and Industrial Research Organisation)

Opposition Withdrawn - Proceed to Grant

2019242156 **JFE Steel Corporation** (voestalpine Railway Systems GmbH)

Patents Granted

Standard Patents

| | | | |
|------------|------------|------------|------------|
| 2014403832 | 2015230718 | 2015248786 | 2015268982 |
| 2015271697 | 2015274897 | 2015313264 | 2015316909 |
| 2015318207 | 2015329959 | 2015353521 | 2015364286 |
| 2015364636 | 2015373326 | 2015379642 | 2015407196 |
| 2016201006 | 2016205974 | 2016205977 | 2016206475 |
| 2016210887 | 2016213790 | 2016213956 | 2016214140 |
| 2016222650 | 2016229000 | 2016229294 | 2016229295 |
| 2016232146 | 2016244188 | 2016252239 | 2016252998 |
| 2016253683 | 2016254034 | 2016259450 | 2016266441 |
| 2016271635 | 2016272449 | 2016277647 | 2016279130 |
| 2016289103 | 2016290898 | 2016293613 | 2016295138 |
| 2016305360 | 2016305485 | 2016308845 | 2016310491 |
| 2016312629 | 2016313609 | 2016316427 | 2016318112 |
| 2016322703 | 2016324692 | 2016325583 | 2016329235 |
| 2016331918 | 2016337828 | 2016344702 | 2016347453 |
| 2016347643 | 2016349735 | 2016349897 | 2016352852 |
| 2016359565 | 2016359632 | 2016359665 | 2016361499 |
| 2016363995 | 2016364123 | 2016364932 | 2016370772 |
| 2016375338 | 2016381918 | 2016387202 | 2016393889 |
| 2016401619 | 2016423788 | 2016427801 | 2016428456 |
| 2017200333 | 2017201125 | 2017204185 | 2017204580 |
| 2017206702 | 2017207450 | 2017208884 | 2017211032 |
| 2017214692 | 2017216120 | 2017218908 | 2017219994 |
| 2017221623 | 2017222925 | 2017224107 | 2017225254 |
| 2017225510 | 2017225744 | 2017226945 | 2017227554 |
| 2017228307 | 2017228385 | 2017231035 | 2017235370 |
| 2017235986 | 2017236120 | 2017236354 | 2017236390 |
| 2017239036 | 2017239570 | 2017240064 | 2017240592 |
| 2017240972 | 2017243875 | 2017246210 | 2017247017 |
| 2017250016 | 2017252443 | 2017252616 | 2017253669 |
| 2017257514 | 2017257930 | 2017258272 | 2017258937 |
| 2017259616 | 2017260080 | 2017260335 | 2017260879 |
| 2017261336 | 2017261839 | 2017262264 | 2017262773 |
| 2017263630 | 2017267728 | 2017267735 | 2017268041 |
| 2017271946 | 2017272137 | 2017275855 | 2017276670 |
| 2017282677 | 2017284202 | 2017286653 | 2017291295 |
| 2017291704 | 2017292029 | 2017294572 | 2017301462 |
| 2017302182 | 2017302650 | 2017303974 | 2017310424 |
| 2017311203 | 2017314690 | 2017316567 | 2017321099 |
| 2017323632 | 2017328259 | 2017331345 | 2017335205 |
| 2017335607 | 2017339404 | 2017340270 | 2017341999 |
| 2017342170 | 2017343990 | 2017345042 | 2017352947 |
| 2017354721 | 2017357653 | 2017358245 | 2017358604 |
| 2017359017 | 2017361118 | 2017361906 | 2017363265 |
| 2017367640 | 2017379072 | 2017383090 | 2017388277 |
| 2017390945 | 2017422125 | 2017429661 | 2017435232 |
| 2017440899 | 2018202693 | 2018208035 | 2018209164 |
| 2018210739 | 2018211310 | 2018215726 | 2018217368 |
| 2018221379 | 2018238102 | 2018251209 | 2018252172 |
| 2018257332 | 2018265241 | 2018271147 | 2018271326 |
| 2018272017 | 2018280344 | 2018280778 | 2018282018 |
| 2018285731 | 2018288619 | 2018294472 | 2018298056 |
| 2018302334 | 2018303328 | 2018305812 | 2018309004 |

Patents Granted

Standard Patents

| | | | |
|------------|------------|------------|------------|
| 2018309700 | 2018312365 | 2018312763 | 2018315982 |
| 2018326105 | 2018326136 | 2018329413 | 2018329459 |
| 2018332432 | 2018334386 | 2018337150 | 2018340369 |
| 2018340981 | 2018341693 | 2018342499 | 2018346776 |
| 2018351962 | 2018357134 | 2018364675 | 2018365717 |
| 2018369563 | 2018384552 | 2018385310 | 2018387286 |
| 2018389418 | 2018389637 | 2018402959 | 2018415261 |
| 2018422303 | 2018423670 | 2019201399 | 2019203433 |
| 2019203589 | 2019204551 | 2019204944 | 2019205103 |
| 2019209832 | 2019212621 | 2019216654 | 2019216709 |
| 2019222745 | 2019226241 | 2019227081 | 2019227250 |
| 2019234146 | 2019234804 | 2019236699 | 2019236768 |
| 2019245343 | 2019245874 | 2019249872 | 2019249989 |
| 2019250151 | 2019250176 | 2019253406 | 2019253779 |
| 2019257033 | 2019257287 | 2019257504 | 2019257518 |
| 2019257690 | 2019259363 | 2019261759 | 2019262086 |
| 2019262940 | 2019264523 | 2019264651 | 2019267357 |
| 2019267827 | 2019268139 | 2019268187 | 2019271821 |
| 2019272042 | 2019272925 | 2019273754 | 2019275457 |
| 2019275661 | 2019277225 | 2019283848 | 2019283856 |
| 2019283880 | 2019284072 | 2019284797 | 2019286119 |
| 2019292724 | 2019292928 | 2019299123 | 2019302320 |
| 2019302963 | 2019304436 | 2019311591 | 2019316602 |
| 2019323871 | 2019325272 | 2019327295 | 2019334570 |
| 2019336505 | 2019336986 | 2019354556 | 2019378253 |
| 2019382303 | 2019384814 | 2019399772 | 2019419889 |
| 2019422210 | 2019423485 | 2019429806 | 2019436629 |
| 2019435043 | 2019440118 | 2019445928 | 2019447663 |
| 2020200315 | 2020200443 | 2020200592 | 2020200641 |
| 2020200835 | 2020200880 | 2020200889 | 2020200903 |
| 2020201017 | 2020201056 | 2020201076 | 2020201165 |
| 2020201241 | 2020201487 | 2020201573 | 2020201667 |
| 2020201675 | 2020201685 | 2020201778 | 2020201840 |
| 2020201872 | 2020201978 | 2020202106 | 2020202542 |
| 2020202671 | 2020203491 | 2020203790 | 2020203829 |
| 2020203875 | 2020204164 | 2020204190 | 2020204207 |
| 2020204226 | 2020204349 | 2020204587 | 2020204619 |
| 2020205222 | 2020205263 | 2020205358 | 2020207861 |
| 2020210134 | 2020213274 | 2020213380 | 2020216120 |
| 2020219493 | 2020219946 | 2020220107 | 2020220126 |
| 2020220188 | 2020223672 | 2020227024 | 2020227111 |
| 2020230284 | 2020239614 | 2020239693 | 2020239737 |
| 2020239747 | 2020244610 | 2020254304 | 2020256300 |
| 2020256303 | 2020257028 | 2020260377 | 2020264328 |
| 2020273291 | 2020273305 | 2020277085 | 2020277132 |
| 2020281055 | 2020281141 | 2020286197 | 2020294315 |
| 2020353103 | 2021200580 | 2021201403 | 2021201464 |
| 2021202943 | 2021204745 | 2021204755 | 2021209337 |
| 2021212149 | | | |

Innovation Patents

| | | | |
|------------|------------|------------|------------|
| 2021104096 | 2021106559 | 2022100012 | 2022100013 |
| 2022100014 | 2022100015 | 2022100016 | 2022100017 |
| 2022100018 | 2022100019 | 2022100020 | 2022100021 |
| 2022100023 | 2022100025 | 2022100026 | 2022100027 |
| 2022100028 | 2022100029 | 2022100032 | |

Assignments Registered

2005200464 Williams, Douglas The patent has been assigned to **Safe Dynamics, Inc.**

2006249100 UNIVERSITE DE PARIS; Da Volterra; Centre National de la Recherche Scientifique (CNRS); Université Paris-Sud 11; Assistance Publique - Hospitiaux de Paris The patent has been assigned to **UNIVERSITE DE PARIS; Université Paris-Saclay; Centre National de la Recherche Scientifique (CNRS); Da Volterra; Assistance Publique - Hospitiaux de Paris**

Assignments Registered

- 2006287248 Flextank International Ltd The patent has been assigned to **Direct Barrels Pty Ltd**
- 2007251565 Universite Paris-Sud 11; UNIVERSITE DE PARIS; Assistance Publique - Hospitaux de Paris; Centre National De La Recherche Scientifique; Da Volterra The patent has been assigned to **UNIVERSITE DE PARIS; Université Paris-Saclay; Centre National De La Recherche Scientifique; Assistance Publique - Hospitaux de Paris; Da Volterra**
- 2008234987 Flextank International Ltd The patent has been assigned to **Direct Barrels Pty Ltd**
- 2012364505 MediaTek Singapore Pte. Ltd. The patent has been assigned to **HFI Innovation Inc.**
- 2013308305 DODE, S.A. The patent has been assigned to **LIVEN, S.A.U.**
- 2015101968 NOAH House Kft. The patent has been assigned to **Klymene Kft.**
- 2015259608 Summit Mining International Inc. The patent has been assigned to **Sumitomo Corporation of Americas**
- 2016200561 York Nominees Pty Ltd The patent has been assigned to **Scientific Pest Management (Australia/Pacific)**
- 2016250907 Anteo Technologies Pty Ltd The patent has been assigned to **Anteo Energy Technology Pty Ltd**
- 2016262102 Kohen, Ran The patent has been assigned to **SQL Technologies Corp.**
- 2016316309 MediaTek Inc. The patent has been assigned to **HFI Innovation Inc.**
- 2016343499 MediaTek Inc. The patent has been assigned to **HFI Innovation Inc.**
- 2017385096 Osteopharma Inc.; Biogend Therapeutics Co., Ltd. The patent has been assigned to **Biogend Therapeutics Co., Ltd.**
- 2017389916 Biogend Therapeutics Co., Ltd.; Osteopharma Inc. The patent has been assigned to **Biogend Therapeutics Co., Ltd.**
- 2018230328 Mediatek Inc. The patent has been assigned to **HFI Innovation Inc.**
- 2018389236 NeoTract, Inc. The patent has been assigned to **Teleflex Life Sciences Limited**

Extensions of Term of Standard Patents

Extension of Term of a Standard Patent relating to Pharmaceutical Substances

Applications Filed

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

- 2011343190 **Novo Nordisk A/S**
 The earliest first regulatory approval date provided by the patentee 07 Feb 2022
 For the goods RYBELSUS semaglutide
- 2013234496 **Novo Nordisk A/S**
 The earliest first regulatory approval date provided by the patentee 07 Feb 2022
 For the goods RYBELSUS semaglutide

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.

- 2009264565 **Novartis AG**
 The earliest first regulatory approval date provided by the patentee 16 Jan 2020
 For the goods BEOVU brolocizumab
 Address for service : Phillips Ormonde Fitzpatrick L 16 333 Collins St Melbourne VIC 3000 AU
- 2011257335 **Adverio Pharma GmbH**
 The earliest first regulatory approval date provided by the patentee 15 Nov 2021
 For the goods VERQUVO vericiguat
 Address for service : Davies Collison Cave Pty Ltd Level 14 255 Elizabeth St Sydney NSW 2000 AU
- 2013203004 **Novartis AG**
 The earliest first regulatory approval date provided by the patentee 16 Jan 2020
 For the goods BEOVU brolocizumab
 Address for service : Phillips Ormonde Fitzpatrick L 16 333 Collins St Melbourne VIC 3000 AU

Corrigenda

In Vol 33 , No 40 , Page(s) 5643 under the heading **Applications OPI - Name Index** Under the name Pono Life Pty Ltd as Trustee for The Pono Life Trust, Application No. 2019201823, under INID (71) correct the applicant name to Pono Life Pty Ltd

In Vol 33 , No 40 , Page(s) 5669 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Dana-Farber Cancer Institute, Inc. Application No. 2018258588, under INID (54) correct the title to read Inhibitors of TRIM33 and methods of use

In Vol 34 , No 17 , Page(s) 2388 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Da Rouge Pty Ltd ATF Da Rouge Unit Trust, Application No. 2018337066, under INID (71) correct the applicant name to Da Rouge Pty Ltd

In Vol 34 , No 17 , Page(s) 2388 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Da Rouge Pty Ltd ATF Da Rouge Unit Trust, Application No. 2018337663, under INID (71) correct the applicant name to Da Rouge Pty Ltd

In Vol 34 , No 17 , Page(s) 2388 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Da Rouge Pty Ltd ATF Da Rouge Unit Trust, Application No. 2018337664, under INID (71) correct the applicant name to Da Rouge Pty Ltd

In Vol 34 , No 46 , Page(s) 6546 under the heading **Applications OPI - Name Index** Under the name TLLC IP Pty Ltd ATF TLLC IP Trust, Ap-

Corrigenda

plication No. 2020202642, under INID (71) correct the applicant name to TLLC IP Pty Ltd

In Vol 34 , No 51 , Page(s) 7355 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Domalina Pty Ltd ATF the Domalina Unit Trust, Application No. 2019265852, under INID (71) correct the applicant name to Domalina Pty Ltd

In Vol 35 , No 11 , Page(s) 1652 under the heading **Provisional Applications Filed - Name Index** Under the name Bekker and Associates Australia Pty Ltd ATF GPP Trust, Application No. 2021900586, under INID (71) correct the applicant name to Bekker and Associates Australia Pty Ltd

In Vol 35 , No 27 , Page(s) 5553 under the heading **Provisional Applications Filed - Name Index** Under the name Suzanne Maree and David Maree as Trustees for the Lynch Family Trust; Rita Lynch and Paul Lynch as Trustees for the Lynch Family Trust, Application No. 2021901918, under INID (71) correct the applicant name to Suzanne Maree; David Maree; Rita Lynch; Paul Lynch

In Vol 35 , No 31 , Page(s) 6220 under the heading **Provisional Applications Filed - Name Index** Under the name Leon Burgess-Dean Consultancy Pty Ltd ATF The Leon Burgess-Dean Family Trust, Application No. 2021902235, under INID (71) correct the applicant name to Leon Burgess-Dean Consultancy Pty Ltd

In Vol 35 , No 33 , Page(s) 6628 under the heading **Provisional Applications Filed - Name Index** Under the name EIM Holdings Pty Limited ATF EIM Trust, Application No. 2021902374, under INID (71) correct the applicant name to EIM Holdings Pty Limited

In Vol 35 , No 37 , Page(s) 7356 under the heading **Complete Applications Filed - Name Index** Under the name Boho Exchange Pty Ltd ATF MMAM Trust, Application No. 2021221741, under INID (71) correct the applicant name to Boho Exchange Pty Ltd

In Vol 35 , No 51 , Page(s) 9925 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Gary A. Zwick, Trustee Of Everest Trust Uta April 20, 2017, Application No. 2020344620, under INID (71) correct the applicant name to Gary A. Zwick

In Vol 35 , No 6 , Page(s) 912 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Gwc Group Pty Ltd Atf Gwc Group Trust, Application No. 2019316721, under INID (71) correct the applicant name to Gwc Group Pty Ltd

In Vol 35 , No 7 , Page(s) 963 under the heading **Provisional Applications Filed - Name Index** Under the name Ian Keith Bartos, Application No. 2021900217, under INID (71) correct the applicant name to OPEC Remediation Technologies Pty Ltd

In Vol 36 , No 7 , Page(s) 850 under the heading **Amendments - Application for Amendments** Under the name The Board of Regents of The University of Texas System, Application No. 2017268272 correct the date of the statements filed to read 21 Dec 2021 and 25 Jan 2022

In Vol 36 , No 7 , Page(s) 850 under the heading **Amendments - Application for Amendments** Under the name Italfarmaco S.p.A., Ap-

Corrigenda

plication No. 2017323432 correct the date of the statements filed to read 1 December 2022 and 21 December 2022

In Vol 36 , No 7 , Page(s) 959 under the heading **Applications Accepted - Name Index** Under the name Gary A. Zwick, Trustee Of Everest Trust Uta April 20, 2017, Application No. 2020344620, under INID (71) correct the applicant name to Gary A. Zwick

In Vol 36 , No 8 , Page(s) 1026 under the heading **Applications OPI - Name Index** Under the name Berkeley Lights, Inc., Application No. 2022200683, under INID (72) correct the co-inventor to NEVILL, J. Tanner; P. WHITE, Mark

Specifications Republished

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

| | |
|------------|----------------------------------|
| 2017421651 | Transitions Optical, Ltd. |
| 2019459233 | Qurient Co., Ltd. |
| 2020259409 | American Investmint Corp |