



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

Freedom of Information ACT

Professional Standards Board

Sales

Requests for Information under Section 194 (c)

Country Codes

Trade Mark and Designs Hearing Sessions

INID (Internationally agreed Numbers for the Identification of Data)

GUIDE TO THE USE OF THIS JOURNAL

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

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

(i) FILING -

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

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

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

(iii) ACCEPTANCE –

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

(iv) OPPOSITION –

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

(v) GRANTING –

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

(vi) CERTIFICATION

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

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

How To Identify Information Using "INID" Numbers

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

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

(22) 12.10.91

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

How Australian Patent Documents are Numbered

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

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

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

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

See Examples:

2011236254 and 2000023658 (Standard Complete)

2011158589 (Innovation Complete)

2011902365 (Provisional)

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

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

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

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

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

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

Arrangement of Information in the Journal

For each of the categories

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

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

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

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

Using the Indices

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

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

<u>ITEM</u>	<u>INID</u> <u>No.</u>	<u>ITEM</u>	<u>INID</u> <u>No.</u>
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.

AUSTRALIAN OFFICIAL JOURNAL OF PATENTS (Supplement) 23 May 2019
Abstract of Decision

IP AUSTRALIA

AUSTRALIAN PATENT OFFICE

Arrow Pharmaceuticals Pty Ltd v Novartis AG [2019] APO 22

Patent Application: 2013204752

Title: Pharmaceutical compositions containing an S1P modulator

Patent Applicant: Novartis AG

Opponent: Arrow Pharmaceuticals Pty Ltd

Delegate: Dr Leslie F. McCaffery – Deputy Commissioner of Patents

Decision Date: 10 May 2019

Hearing Date: 21 November 2018, in Canberra

Catchwords: **PATENTS** – request for consideration of a document pursuant to regulation 5.23 – the balance of considerations lies with refusal of the request – section 59 – opposition to the grant of a patent – grounds of clarity, fair basis, manner of manufacture, inventive step – section 40 – the claims are clear – the claims are fairly based – the claims define a manner of manufacture – utility – the promise of the invention has been met – inventive step – claims lack inventive step – costs awarded – applicant provided 2 months from the date of the decision to propose amendments.

Representation: Counsel for the applicant: Christian Dimitriadis SC
Solicitor for the applicant: Clayton Utz
Patent attorney for the applicant: Davies Collison Cave
Counsel for the opponent: Claire Cunliffe
Patent attorney for the opponent: Jones Tulloch

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 7 May 2019 .

(71) 10 Ord St (21) 2019901538 (22) 06.05.2019 (54) Bicycle Bell	(71) Bei, K. (21) 2019901624 (22) 13.05.2019 (54) A COMB
(71) 2B1K Imports Pty Ltd (21) 2019901545 (22) 07.05.2019 (54) Hair modification system	(71) Antisense Therapeutics Ltd (21) 2019901540 (22) 06.05.2019 (54) Therapeutic uses and methods
(71) AB Mauri Technology Pty Limited (21) 2019901544 (22) 07.05.2019 (54) Combination product and use thereof for formation of ethanol and Dried Distillers Grains with Solubles	(71) Armalite Finance Pty Ltd (21) 2019901578 (22) 09.05.2019 (54) Polymeric Degradation
(71) Adebisi, A.; WIN-WIN DIGITAL SOLUTIONS PTY LTD (21) 2019901527 (22) 04.05.2019 (54) Mobile and web based software for networking and relationship management	(71) Aspire Wellness Pty Ltd (21) 2019901532 (22) 06.05.2019 (54) A SUIT, A SYSTEM AND A METHOD FOR IMPROVING POSTURE
(71) Advanced Catering Solutions Pty Ltd (21) 2019901508 (22) 03.05.2019 (54) SUPPLY CHAIN MANAGEMENT SYSTEM WITH APPLICATION IN FOOD PREPARATION NETWORKS	(71) Auckland University of Technology (AUT) (21) 2019901584 (22) 09.05.2019 (54) A Biopotential Sensor, Device and Process
(71) Amperstand Pty Ltd (21) 2019901609 (22) 10.05.2019 (54) Movable Furniture	(71) Australian Electronic Maintenance Services Pty Ltd (21) 2019901586 (22) 09.05.2019 (54) A security system
(71) AVID DRONES PTY LTD (21) 2019901597 (22) 10.05.2019 (54) Remote control mount	(71) Bui, T. (21) 2019901489 (22) 01.05.2019 (54) Elastic lid
(71) Bartlett Transport Improvements Pty. Ltd. (21) 2019901519 (22) 03.05.2019 (54) LUBRICATED BALL CONNECTOR	(71) Caiben Pty Ltd (21) 2019901546 (22) 07.05.2019 (54) APPARATUS FOR A GAME AND RELATED METHOD
	(71) BFRE Pty Ltd (21) 2019901580 (22) 09.05.2019 (54) Improvements structural steel lintels
	Blanc, H. see Mundy, K. (21) 2019901585
	(71) Breville Pty Limited (21) 2019901534 (22) 06.05.2019 (54) A deck for use in a cooking appliance
	(71) BRICKFIT PTY LTD (21) 2019901607 (22) 10.05.2019 (54) INTERACTIVE HUMAN ACTIVITY TRACKING SYSTEM
	(71) Bubble.Global Pty. Ltd. (21) 2019901588 (22) 09.05.2019 (54) MOBILE DEVICE WITH MOVEMENT SENSOR AND EXERCISE MACHINE WITH FEEDBACK SYSTEM
	(71) CannPal Animal Therapeutics Limited (21) 2019901525 (22) 03.05.2019 (54) Cannabinoid composition and methods of treatment using the same

Provisional Applications Filed - Name Index cont'd

(71) Children's Cancer Institute Australia
(21) 2019901595 (22) 10.05.2019
(54) Potent and selective inhibitors of ubiquitin specific proteases

(71) COHEN, J.
(21) 2019901549 (22) 07.05.2019
(54) A FLOATATION DEVICE

(71) Comino, J.
(21) 2019901553 (22) 07.05.2019
(54) CHECK VALVE ASSEMBLY

(71) Commonwealth Scientific and Industrial Research Organisation
(21) 2019901566 (22) 08.05.2019
(54) Immunosensor

(71) Commonwealth Scientific and Industrial Research Organisation; The University of Queensland
(21) 2019901608 (22) 10.05.2019
(54) Microcapsule

(71) Commonwealth Scientific and Industrial Research Organisation
(21) 2019901610 (22) 10.05.2019
(54) Single Image Contrast

(71) Crotty, A.
(21) 2019901551 (22) 07.05.2019
(54) Soap Caddy-stores bar soap for easy access in shower when existing soap runs out

(71) Curtin University of Technology
(21) 2019901521 (22) 03.05.2019
(54) High Protein Food Ingredient

Danze, A. see Danze, M.
(21) 2019901605

(71) Danze, M.; Danze, A.
(21) 2019901605 (22) 10.05.2019
(54) Cooktop Systems and Method

(71) Day, S.; Lee, R.; Hughes-Brown, B.
(21) 2019901567 (22) 08.05.2019
(54) A FIRE BARRIER ASSEMBLY AND METHOD OF USE THEREOF

(71) Drysdale, K.
(21) 2019901557 (22) 08.05.2019
(54) Efficient Air Conditioner

(71) DUPEUX, Y.; GUICHARD, P.
(21) 2019901515 (22) 03.05.2019
(54) Easy Fridge Lock

(71) ECOPOWER PTY LTD
(21) 2019901602 (22) 10.05.2019
(54) A COMBINED HEAT PUMP AND INDIRECT EVAPORATIVE COOLING AIR CONDITIONING SYSTEM UTILISING A ROTARY HEAT EXCHANGER

(71) edwards, g.
(21) 2019901619 (22) 13.05.2019
(54) Silicon Carbon Composite Materials and Methods for Making Same

(71) ELITE HAIR AUSTRALIA PTY LTD
(21) 2019901512 (22) 03.05.2019
(54) EK (Eclipse Knotting hair extensions Method)

(71) Erskine Holdco Pty Ltd
(21) 2019901514 (22) 03.05.2019
(54) An orthodontic anchorage device

(71) Farwealth Nominees Ltd.
(21) 2019901554 (22) 07.05.2019
(54) System for handling and storage of ISO containers

(71) FCI Holdings Delaware, Inc.
(21) 2019901535 (22) 06.05.2019
(54) System and method for mesh application

(71) Fenwick, A.
(21) 2019901574 (22) 09.05.2019
(54) Improved Recreational Apparatus

Ford, S. see Siemerink, R.
(21) 2019901613

(71) Fortescue Metals Group Ltd
(21) 2019901524 (22) 03.05.2019
(54) Handling System, a bracket and a method of using same

(71) Garvan Institute of Medical Research
(21) 2019901562 (22) 08.05.2019
(54) Patient stratification method

(71) Garvan Institute of Medical Research
(21) 2019901563 (22) 08.05.2019
(54) Patient treatment method

(71) Gelion Technologies Pty Ltd
(21) 2019901537 (22) 06.05.2019
(54) Energy storage device management system

(71) Gelion Technologies Pty Ltd
(21) 2019901539 (22) 06.05.2019
(54) Energy storage device management system

(71) Glenvar Pastoral Company Pty Ltd
(21) 2019901552 (22) 07.05.2019
(54) Combine Harvester Power Apparatus

(71) Globaltech Corporation Pty Ltd
(21) 2019901513 (22) 03.05.2019
(54) ROPS with barometric pressure sensing

Griffith University see The University of Queensland
(21) 2019901591

GUICHARD, P. see DUPEUX, Y.
(21) 2019901515

(71) Gulf Conveyor Systems Pty Ltd
(21) 2019901603 (22) 10.05.2019
(54) Separation of granular particles

(71) Haynes, S.
(21) 2019901596 (22) 10.05.2019
(54) Improved Foodstuffs Container

(71) Higgins, C.
(21) 2019901617 (22) 13.05.2019
(54) Improved computer architecture and software supporting simpler and more secure blockchains together with methods and systems for developing efficient blockchain business solutions.

(71) Higgins, C.
(21) 2019901625 (22) 13.05.2019
(54) : Improved computer architecture and software supporting simpler and more secure blockchains together with methods and systems for developing efficient blockchain business solutions.

(71) HILDEBRANDT, J.
(21) 2019901604 (22) 10.05.2019
(54) An improved tremolo device for electric guitars

(71) Holden, K.
(21) 2019901548 (22) 07.05.2019
(54) IMPROVEMENTS TO BUILDING SYSTEMS

(71) Holding, R.
(21) 2019901616 (22) 13.05.2019
(54) STANDARDISED FIELD TESTING FOR MONITORING PHOTOVOLTAIC GENERATION.

Provisional Applications Filed - Name Index cont'd

Hughes-Brown, B. see Day, S.
(21) 2019901567

(71) Imperial Exports Pty Ltd
(21) 2019901518 (22) 03.05.2019
(54) Improvements Relating to Personal Protective Clothing

(71) Jackson, S.; Schoenwaelder, S.
(21) 2019901611 (22) 10.05.2019
(54) Anti-thrombotic methods and the treatment of diseases and conditions associated with thrombi

(71) JOHNSTON, S.
(21) 2019901564 (22) 08.05.2019
(54) REUSABLE FOOD STORAGE POUCH AND METHOD OF PRODUCTION THEREOF

(71) KARIM, N.
(21) 2019901523 (22) 03.05.2019
(54) GARMENT SMOOTHING APPARATUS

(71) keightlley, k.
(21) 2019901589 (22) 09.05.2019
(54) TELESCOPIC CORE EJECT METHOD FOR HOLESAWS

(71) Kennedy, S.
(21) 2019901531 (22) 06.05.2019
(54) My idea is in natural resources. it uses multiple things to harness resources as in water and air. It then uses a converter to transfer to generators that then turn the power into electricity. Creating a gain over standard current means that you have a certain percentage of efficiency while the rest is lost. It can also be used in combination with solar panels to generate power in times of inaction in wind farms when wind is absent. Could be used in some transport.

Lee, R. see Day, S.
(21) 2019901567

(71) Lewis Australia Pty Ltd
(21) 2019901558 (22) 08.05.2019
(54) An Improved Thermal Lance

(71) Littlejohn, J.
(21) 2019901565 (22) 08.05.2019
(54) Fireplace apparatus

(71) Lyons, M.
(21) 2019901528 (22) 04.05.2019
(54) Multifunctional Battery Power Unit

(71) Madden, I.
(21) 2019901568 (22) 08.05.2019
(54) PRODUCE HANDLING EQUIPMENT

(71) Matthews, N.
(21) 2019901621 (22) 02.05.2019
(54) Basketball, Netball, Games, &, Goal Rings

(71) McGhee, J.
(21) 2019901571 (22) 08.05.2019
(54) MULTIPLE DRILL ASSEMBLY

(71) Mendis, M.
(21) 2019901623 (22) 13.05.2019
(54) An improved wireless charging enclosure for headphone devices

(71) Modok Holding Pty Ltd
(21) 2019901577 (22) 09.05.2019
(54) Collection of waste concrete

(71) Monash University; The University of Melbourne
(21) 2019901581 (22) 09.05.2019
(54) Methods and compositions for preventing hearing loss

(71) Moon, J.
(21) 2019901614 (22) 12.05.2019
(54) Magnetic Tool Caddy

(71) Moulton, W.
(21) 2019901542 (22) 06.05.2019
(54) An improved method of fixing a biosensor to human skin to enhance the durability of the biosensor

(71) MR, G.
(21) 2019901612 (22) 10.05.2019
(54) A Waterproofing Apparatus

(71) Mundy, K.; Blanc, H.
(21) 2019901585 (22) 09.05.2019
(54) HVAC control system

(71) Nestler, M.
(21) 2019901541 (22) 06.05.2019
(54) Eave lining sheet, system and method

(71) Newcrest Mining Limited
(21) 2019901575 (22) 09.05.2019
(54) Continuous Open Pit Mining

(71) NewSouth Innovations Pty Limited
(21) 2019901593 (22) 10.05.2019
(54) CRISPR/Cas based non-nucleic acid target biosensing system

(71) NewSouth Innovations Pty Ltd
(21) 2019901627 (22) 13.05.2019
(54) Antibacterial coating composition

(71) O'Dowd, P.
(21) 2019901555 (22) 07.05.2019
(54) Improved Emissions Reduction Energy Process.

(71) Oblivion Pty Ltd
(21) 2019901560 (22) 08.05.2019
(54) Vehicle Speed Control System

(71) Orora Packaging Australia Pty Ltd
(21) 2019901570 (22) 08.05.2019
(54) CLOSURE FOR A BOTTLE, A BOTTLE, AND A PROCESS FOR CAPPING A BOTTLE

(71) Ostrenga, N.
(21) 2019901590 (22) 09.05.2019
(54) Air Deflector

(71) OUTERSPACE DESIGN GROUP PTY. LTD.
(21) 2019901550 (22) 07.05.2019
(54) EYE SPECULUM

(71) Pagden, K.
(21) 2019901561 (22) 08.05.2019
(54) Sustainable animal welfare environmental control for live sheep exports.

(71) Parish, T.
(21) 2019901543 (22) 07.05.2019
(54) EVALUATION TOOLS AND METHOD

(71) QOL Holdings Pty Ltd
(21) 2019901601 (22) 10.05.2019
(54) Foot Positioning Device and Method

(71) QUANTUM INNOVATION AUSTRALIA PTY LTD
(21) 2019901615 (22) 12.05.2019
(54) [0001] The present invention generally relates to blood analysis devices, and more particularly relates to systems and methods for analyzing blood properties.

(71) RASIC, L.
(21) 2019901594 (22) 10.05.2019
(54) Container with Pouring Spout

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(71) RedMed Pty Limited
(21) 2019901516 (22) 03.05.2019
(54) PATIENT INTERFACE

(71) ResMed Pty Ltd
(21) 2019901626 (22) 13.05.2019
(54) Combined User Interface for a therapy device

(71) Rheem Australia Pty Limited
(21) 2019901576 (22) 09.05.2019
(54) IMPROVEMENTS IN OR RELATING TO LIQUID HEATING AND STORAGE APPARATUS

(71) Royal Melbourne Institute of Technology
(21) 2019901547 (22) 07.05.2019
(54) ANTI-CANCER GOLD COMPOUNDS

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(21) 2019901611

(71) SEATA Holdings Pty Ltd
(21) 2019901620 (22) 13.05.2019
(54) PROCESS OF TREATING CARBONACEOUS MATERIAL AND APPARATUS THEREFOR

(71) Servatus Ltd
(21) 2019901599 (22) 10.05.2019
(54) Polypeptides and uses therefor

(71) SGS Australia Pty Ltd
(21) 2019901587 (22) 09.05.2019
(54) Lithium Recovery

(71) Shi, B.
(21) 2019901572 (22) 09.05.2019
(54) Towing amphibious vehicle with independent suspension and retractable wheels

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(21) 2019901529

(71) Siemerink, R.; Ford, S.
(21) 2019901613 (22) 12.05.2019
(54) Edible Color - Rhagodia candolleana

(71) Small, B.
(21) 2019901606 (22) 10.05.2019
(54) Mountable signage

(71) Steller, L.
(21) 2019901490 (22) 02.05.2019
(54) Mixed Materials tableware setting with interlocking shapes for adaptable uses.

(71) Superior Engineering (QLD) Pty Ltd
(21) 2019901583 (22) 09.05.2019
(54) Automotive steering linkage end

(71) Sweeney, M.
(21) 2019901470 (22) 01.05.2019
(54) PRP360 range of digital AC closures

(71) Sylaidis, A.; Shirra, A.
(21) 2019901529 (22) 05.05.2019
(54) My Cake Protector.

(71) SYNFINITY BIO PTY LTD
(21) 2019901592 (22) 10.05.2019
(54) PRODUCTION OF HUMAN MILK OLIGOSACCHARIDES

(71) Tecksom International Limited
(21) 2019901600 (22) 10.05.2019
(54) A BAG AND RELATED METHODS

(71) The Dynamic Engineering Solution Pty Ltd
(21) 2019901520 (22) 03.05.2019
(54) HYDRAULIC DAMPER

(71) The Dynamic Engineering Solution Pty Ltd
(21) 2019901522 (22) 03.05.2019
(54) HYDRAULIC DAMPER

(71) The Trustee for General Innovation Australia Hybrid Unit Trust
(21) 2019901556 (22) 08.05.2019
(54) Smart Trailer Assistant

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(21) 2019901581

(71) The University of Queensland; Griffith University
(21) 2019901591 (22) 10.05.2019
(54) AN OPTICAL BEAM SCANNER

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(21) 2019901608

(71) The University of Sydney
(21) 2019901536 (22) 06.05.2019
(54) Methods for the fractionation of proteins

(71) Tolhurst, J.
(21) 2019901503 (22) 02.05.2019
(54) Transportable Habitable Fold Out Structure

(71) Transmarine Holdings Pty Ltd
(21) 2019901533 (22) 06.05.2019
(54) A SUPER SHALLOW DRAFT BULK CARRIER AND ASSOCIATED METHOD FOR TRANSPORTING BULK COMMODITIES

(71) Trimarco, R.
(21) 2019901579 (22) 09.05.2019
(54) Load lifting and transportation apparatus

(71) VAND TECHNOLOGY PTY LTD
(21) 2019901598 (22) 10.05.2019
(54) FLUID HEATING METHOD AND APPARATUS

(71) Willow Technology Corporation Pty Ltd
(21) 2019901517 (22) 03.05.2019
(54) CONFIGURATION OF A DIGITAL TWIN FOR A BUILDING OR OTHER FACILITY VIA BIM DATA EXTRACTION AND ASSET REGISTER MAPPING

(71) Willow Technology Corporation Pty Ltd
(21) 2019901530 (22) 06.05.2019
(54) SYSTEMS CONFIGURED TO ENABLE ISOLATED CLIENT DEVICE INTERACTION WITH BUILDING AUTOMATION AND CONTROL (BAC) NETWORKS, INCLUDING THIRD-PARTY APPLICATION ACCESS FRAMEWORK

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(21) 2019901527

(71) Yeomans, A.
(21) 2019901559 (22) 08.05.2019
(54) METHOD OF AND APPARATUS FOR OBTAINING A SOIL SAMPLE

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Applications listed below were processed through the Patent Office Canberra during the period ending 7 May 2019 .

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

<hr/> <p>(71) [24]7.ai, Inc. (21) 2019203147 (22) 03.05.2019 (54) METHOD AND APPARATUS FOR FACILITATING INTERACTION WITH CUSTOMERS ON ENTERPRISE INTERACTION CHANNELS (31) 62/668,083 (32) 07.05.18 (33) US 16/396,295 26.04.19 US</p> <hr/> <p>(71) ABUS August Bremicker Söhne KG (21) 2019203096 (22) 02.05.2019 (54) BRAKE DISK LOCK (31) 102018111287.4 (32) 11.05.18 (33) DE</p> <hr/> <p>(71) ABUS August Bremicker Söhne KG (21) 2019203126 (22) 03.05.2019 (54) LOCKING SYSTEM (31) 102018111290.4 (32) 11.05.18 (33) DE</p> <hr/> <p>(71) Academia Sinica (21) 2019203243 (22) 09.05.2019 (54) Large scale enzymatic synthesis of oligosaccharides (62) 2018200094</p> <hr/> <p>(71) Accenture Global Solutions Limited (21) 2019203092 (22) 01.05.2019 (54) SYSTEM AND METHOD FOR DEPLOYING A DISTRIBUTED COMPONENT-BASED APPLICATION (31) 15/974,125 (32) 08.05.18 (33) US</p> <hr/> <p>(71) Accenture Global Solutions Limited (21) 2019203168 (22) 06.05.2019 (54) METADATA-DRIVEN PROGRAM CODE GENERATION FOR CLINICAL DATA ANALYSIS (62) 2017279795</p> <hr/> <p>(71) Accenture Global Solutions Limited (21) 2019203190 (22) 07.05.2019 (54) DIGITAL PROJECT MANAGEMENT OFFICE (62) 2017228667</p> <hr/> <p>(71) Accenture Global Solutions Limited (21) 2019203200 (22) 07.05.2019 (54) DETECTING A POSSIBLE UNDERLYING PROBLEM AMONG COMPUTING DEVICES (31) 15/988,904 (32) 24.05.18 (33) US</p>	<hr/> <p>(71) Accenture Global Solutions Limited (21) 2019203208 (22) 07.05.2019 (54) DUPLICATE AND SIMILAR BUG REPORT DETECTION AND RETRIEVAL USING NEURAL NETWORKS (62) 2017272141</p> <hr/> <p>(71) Accenture Global Solutions Limited (21) 2019203230 (22) 08.05.2019 (54) CLOSED LOOP NODAL ANALYSIS (62) 2018200877</p> <hr/> <p>(71) Accenture Global Solutions Limited (21) 2019203255 (22) 09.05.2019 (54) CENTRALIZED DATA RECONCILIATION USING ARTIFICIAL INTELLIGENCE MECHANISMS (31) 15/991,744 (32) 29.05.18 (33) US</p> <hr/> <p>(71) Adamis Pharmaceuticals Corporation (21) 2019203244 (22) 09.05.2019 (54) Syringe devices (62) 2016313110</p> <hr/> <p>(71) Aerovironment, Inc. (21) 2019203204 (22) 07.05.2019 (54) Vertical takeoff and landing (VTOL) air vehicle (62) 2018200729</p> <hr/> <p>(71) Afitex International (21) 2019203224 (22) 08.05.2019 (54) Soil-treatment system, geocomposite for such a system, and soil consolidation method (62) 2014363584</p> <hr/> <p>(71) Air Products and Chemicals, Inc. (21) 2019203150 (22) 05.05.2019 (54) MODULARIZED LNG SEPARATION DEVICE AND FLASH GAS HEAT EXCHANGER (31) 15/977,535 (32) 11.05.18 (33) US</p> <hr/> <p>(71) Al baba Group Holding Limited (21) 2019203267 (22) 09.05.2019 (54) Method and apparatus for facilitating electronic payments using a wearable device (62) 2016320876</p>	<hr/> <p>(71) Allergan, Inc. (21) 2019203214 (22) 08.05.2019 (54) Sustained release of bimatoprost, bimatoprost analogs, prostamides and prostaglandins for fat reduction (62) 2014250937</p> <hr/> <p>(71) Allergan Industrie, SAS (21) 2019203264 (22) 09.05.2019 (54) Hyaluronic acid based formulations (62) 2017208244</p> <hr/> <p>(71) ALSTOM Transport Technologies (21) 2019203080 (22) 01.05.2019 (54) Insulating track segment for underground power system and corresponding underground power system (31) 18 53864 (32) 04.05.18 (33) FR</p> <hr/> <p>(71) Amazon Technologies, Inc. (21) 2019203153 (22) 06.05.2019 (54) Key export techniques (62) 2016243115</p> <hr/> <p>(71) Amazon Technologies, Inc. (21) 2019203266 (22) 09.05.2019 (54) SYSTEM, METHOD AND COMPUTER-READABLE STORAGE MEDIUM FOR CUSTOMIZABLE EVENT-TRIGGERED COMPUTATION AT EDGE LOCATIONS (62) 2016319754</p> <hr/> <p>(71) Aponia Laboratories, Inc. (21) 2019203188 (22) 07.05.2019 (54) Transdermal compositions of bupropfen and methods of use thereof (62) 2017204878</p> <hr/> <p>(71) Apple Inc. (21) 2019203175 (22) 06.05.2019 (54) Device, method, and graphical user interface for navigating user interface hierarchies (62) 2017202058</p> <hr/> <p>(71) Apple Inc. (21) 2019203209 (22) 07.05.2019 (54) Raise to speak (31) 16/032,487 (32) 11.06.18 (33) US 62/679,798 02.06.18 US 62/668,154 07.05.18 US PA201870384 12.06.18 DK</p>
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<p>(71) Aristocrat Technologies Australia Pty Limited (21) 2019203073 (22) 01.05.2019 (54) GAMING APPARATUS AND METHOD WITH A DEPENDENT GAME FEATURE (62) 2017203898</p>	<p>(71) Aristocrat Technologies Australia Pty Limited (21) 2019203253 (22) 09.05.2019 (54) A GAMING SYSTEM AND A METHOD OF MONITORING A GAMING DEVICE (62) 2017202176</p>	<p>(54) Comprehensive monoclonal antibody generation (62) 2017221836</p>
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<p>(71) Aristocrat Technologies Australia Pty Limited (21) 2019203087 (22) 01.05.2019 (54) WAGER MACHINE WITH AN EVENT TRIGGERED BASED ON TRADED SYMBOLS (31) 15/978,999 (32) 14.05.18 (33) US</p>	<p>(71) Aristocrat Technologies Australia Pty Limited (21) 2019203273 (22) 09.05.2019 (54) GAMING DEVICE WITH PRIZE SYMBOLS</p>	<p>(71) BioMimetic Therapeutics, LLC (21) 2019203223 (22) 08.05.2019 (54) Platelet-derived growth factor compositions and methods for the treatment of tendon and ligament injuries (62) 2017232210</p>
<p>(71) Aristocrat Technologies Australia Pty Limited (21) 2019203089 (22) 01.05.2019 (54) AN ELECTRONIC METHOD OF PROVIDING AN ADDITIONAL PLAYER REWARD AND A GAMING SYSTEM (62) 2017201559</p>	<p>(71) Aristocrat Technologies Australia Pty Limited (21) 2019203274 (22) 09.05.2019 (54) GAMING DEVICE WITH MOVING SELECTABLE OBJECTS IN PRIZE AWARD PROCESS</p>	<p>(71) BLACKLIDGE EMULSIONS, INC. (21) 2019203217 (22) 08.05.2019 (54) Hot applied tack coat (62) 2017201910</p>
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<p>(71) Aristocrat Technologies Australia Pty Limited (21) 2019203189 (22) 07.05.2019 (54) UNIVERSAL SWITCH ASSEMBLY FOR LOCKING AND UNLOCKING AN ACCESS DOOR OF A GAMING MACHINE CABINET (31) 15/984,886 (32) 21.05.18 (33) US</p>	<p>(71) Arysta LifeScience North America, LLC (21) 2019203083 (22) 01.05.2019 (54) Surfactant-stabilized cyclohexanediox-ide oxime formulations (62) 2016271586</p>	<p>(71) Bonson Industrial Co. Limited (21) 2019203254 (22) 09.05.2019 (54) TAMPER EVIDENT LIDDED CONTAINER (31) 742415 (32) 10.05.18 (33) NZ</p>
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<p>(71) Aristocrat Technologies Australia Pty Limited (21) 2019203233 (22) 08.05.2019 (54) A GAMING DEVICE (31) 2018902950 (32) 13.08.18 (33) AU</p>	<p>(71) Battelle Memorial Institute (21) 2019203114 (22) 02.05.2019 (54) Method and apparatus for ion mobility separations utilizing alternating current waveforms (62) 2016335524</p>	<p>(71) Butler Holdings Pty Ltd (21) 2019203146 (22) 03.05.2019 (54) A SYSTEM, COMPUTING DEVICE AND APPLICATION SERVER FOR VOTING (62) 2013337617</p>
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(71) Capurso, S.; Knibbs, C.
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 (54) AN IN-GROUND IMBEDDED PEG EXTRACTOR ARRANGEMENT AND A METHOD OF EXTRACTING A PEG IMBEDDED WITHIN THE GROUND
 (31) 2018901498 (32) 03.05.18 (33) AU

(71) Carlson, M.; Spears, J.; Stan, P.
 (21) 2019203112 (22) 02.05.2019
 (54) SYSTEMS AND METHODS TO PROCESS AN OFFER CAMPAIGN BASED ON INELIGIBILITY
 (62) 2016262674

(71) Caterpillar Inc.
 (21) 2019203163 (22) 06.05.2019
 (54) SYSTEM AND METHOD OF LAYERING MATERIAL
 (31) 15/984,840 (32) 21.05.18 (33) US

(71) Caterpillar Inc.
 (21) 2019203177 (22) 07.05.2019
 (54) BRAKE CONTROL BASED ON TRANSMISSION SPEED
 (31) 15/985,204 (32) 21.05.18 (33) US

(71) CLEARY DOLCETTI, J.
 (21) 2019203099 (22) 02.05.2019
 (54) Laminated Material
 (62) 2015272120

(71) Clemtek, LLC
 (21) 2019203219 (22) 08.05.2019
 (54) Gaming video processing system
 (62) 2016267010

(71) Clipsal Australia Pty Ltd
 (21) 2019203136 (22) 03.05.2019
 (54) GENERAL POWER OUTLET AND REMOTE SWITCH MODULE
 (62) 2017210596

(71) Club Gaming Pty Ltd
 (21) 2019203115 (22) 02.05.2019
 (54) IMPROVED CASINO GAMING CHIP FLOAT AND METHOD OF CHIP MANAGEMENT
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 (54) E.COLI MEDIATED siRNASILENCING OF AVIAN INFLUENZA IN CHICKENS
 (62) 2015209208

(71) COMMHEALTH SYSTEMS PTY LIMITED
 (21) 2019203196 (22) 07.05.2019

(54) PORTABLE MONITORED AED SYSTEM AND STREET FURNITURE FOR AN AED
 (31) 16/376,263 (32) 05.04.19 (33) US
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 (21) 2019203137

(71) Corning Incorporated
 (21) 2019203191 (22) 07.05.2019
 (54) GLASS CONTAINERS WITH DELAMINATION RESISTANCE AND IMPROVED DAMAGE TOLERANCE
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(71) Cour Pharmaceuticals Development Company
 (21) 2019203181 (22) 07.05.2019
 (54) IMMUNE-MODIFYING PARTICLES FOR THE TREATMENT OF INFLAMMATION
 (62) 2014243758

(71) Covidien LP
 (21) 2019203160 (22) 06.05.2019
 (54) Adapter assembly for interconnecting electromechanical surgical devices and surgical loading units, and surgical systems thereof
 (62) 2015202804

(71) Cryovac, Inc; Furukawa MFG. Co., Ltd.
 (21) 2019203107 (22) 02.05.2019
 (54) Apparatus and method for vacuumizing and sealing a package
 (62) 2016327589

(71) CTA Australia Pty Ltd
 (21) 2019203215 (22) 08.05.2019
 (54) Wheel Stop, Set of Parts for Forming Same, and Package Including Said Set
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(71) Cubic Corporation
 (21) 2019203251 (22) 09.05.2019
 (54) ON-VEHICLE TICKETING AND VALIDATION
 (62) 2014293259

(71) Cytec Industries Inc.
 (21) 2019203226 (22) 08.05.2019
 (54) Primary amine-containing polymers useful as scale inhibitors
 (62) 2015217240

(71) Depuy Ireland Unlimited Company
 (21) 2019203271 (22) 09.05.2019
 (54) Anatomical concentric spheres THA
 (62) 2017203543

(71) DePuy Synthes Products, Inc.
 (21) 2019203142 (22) 03.05.2019
 (54) Orthopedic adapter for an electric impacting tool
 (31) 15/978,763 (32) 14.05.18 (33) US

(71) DexCom, Inc.
 (21) 2019203174 (22) 06.05.2019
 (54) Zwitterion surface modifications for continuous sensors
 (62) 2018202737

(71) Domalina Pty Ltd
 (21) 2019203259 (22) 09.05.2019
 (54) A Consumable Gel Delivery Method for Health Ingredients
 (31) 2018901590 (32) 09.05.18 (33) AU

(71) Dow AgroSciences LLC
 (21) 2019203194 (22) 07.05.2019
 (54) Pest control system and method of operating same
 (62) 2015343303

(71) DSI Tunneling LLC
 (21) 2019203100 (22) 02.05.2019
 (54) Underground support system and method
 (31) 62/823,286 (32) 25.03.19 (33) US

(71) DSI Tunneling LLC
 (21) 2019203228 (22) 08.05.2019
 (54) Tunnel support system and method
 (31) 62/807,796 (32) 20.02.19 (33) US

(71) E. I. du Pont de Nemours and Company
 (21) 2019203116 (22) 02.05.2019
 (54) TRANSESTERIFIED FURAN BASED POLYESTERS AND ARTICLES MADE THEREFROM
 (62) 2015252948

(71) ENTOPSIS
 (21) 2019203210 (22) 08.05.2019
 (54) Detectable arrays, systems for diagnosis, and methods of making and using the same
 (62) 2014327042

(71) Financial & Risk Organisation Limited
 (21) 2019203195 (22) 07.05.2019
 (54) Systems and methods for obtaining and executing computer code specified by code orders in an electronic trading venue
 (62) 2016229921

(71) Fisher & Paykel Healthcare Limited
 (21) 2019203162 (22) 06.05.2019

Complete Applications Filed - Name Index cont'd

(54) PATIENT INTERFACE AND HEADGEAR
(62) 2017202245

(71) Flow Control LLC.
(21) 2019203247 (22) 09.05.2019
(54) Diaphragm pump utilizing duckbill valves, multi-directional ports and flexible electrical connectivity
(62) 2015277372

(71) FMC Corporation
(21) 2019203141 (22) 03.05.2019
(54) Herbicidal combinations and methods of controlling weeds
(62) 2018203082

(71) Fractyl Laboratories Inc.
(21) 2019203149 (22) 05.05.2019
(54) DEVICES AND METHODS FOR THE TREATMENT OF TISSUE
(62) 2017221891

(71) Frank's International, LLC
(21) 2019203091 (22) 01.05.2019
(54) Load Transfer System For Stands Of Tubulars
(31) 62/672,310 (32) 16.05.18 (33) US
16/398,407 30.04.19 US

(71) Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.
(21) 2019203173 (22) 06.05.2019
(54) Audio encoder, audio decoder, method for encoding an audio signal and method for decoding an encoded audio signal
(62) 2016231220

Freeberg, P. see King Technology
(21) 2019203079

(71) Fuji Xerox Co., Ltd.
(21) 2019203110 (22) 02.05.2019
(54) Information processing apparatus, information processing method, and program
(62) 2017203478

Furukawa MFG. Co., Ltd. see Cryovac, Inc
(21) 2019203107

(71) Genzyme Corporation
(21) 2019203128 (22) 03.05.2019
(54) Continuous purification of therapeutic proteins
(62) 2014226126

(71) GE Video Compression, LLC
(21) 2019203279 (22) 10.05.2019

(54) Context initialization in entropy coding
(62) 2017210534

(71) Gilead Sciences, Inc.
(21) 2019203122 (22) 03.05.2019
(54) Cot modulators and methods of use thereof
(62) 2016290820

Goeman, T. see King Technology
(21) 2019203079

(71) Green Products & Technologies, L.L.C.
(21) 2019203102 (22) 02.05.2019
(54) METHODS FOR USING IMPROVED UREA HYDROCHLORIDE COMPOSITIONS
(62) 2014373843

Guy, D. see King Technology
(21) 2019203079

(71) Haldor Topsøe A/S
(21) 2019203185 (22) 07.05.2019
(54) Doped lithium positive electrode active material and process for manufacture thereof
(31) PA 2018 00959 (32) 05.12.18 (33) DK
PA 2018 00207 09.05.18 DK

(71) Halliburton Energy Services, Inc.
(21) 2019203152 (22) 06.05.2019
(54) DETERMINING CHARACTERISTICS OF A FLUID IN A WELLBORE
(62) 2015385791

(71) Hazer Group Limited
(21) 2019203179 (22) 07.05.2019
(54) A process of controlling the morphology of graphite
(62) 2016312962

(71) Healthair Pty Ltd
(21) 2019203261 (22) 09.05.2019
(54) FILTER FRAME FOR AIR CONDITIONERS

(71) Holley Performance Products Inc.
(21) 2019203171 (22) 06.05.2019
(54) Pump system and method of use
(62) 2017200253

(71) HONEYWELL INTERNATIONAL INC.
(21) 2019203078 (22) 01.05.2019
(54) BUILDING SYSTEM MAINTENANCE USING MIXED REALITY
(31) 15/980,520 (32) 15.05.18 (33) US

(71) Huawei Technologies Co., Ltd.
(21) 2019203256 (22) 09.05.2019

(54) FINGERPRINT EVENT PROCESSING METHOD, APPARATUS, AND TERMINAL
(62) 2015383793

(71) Human BioMolecular Research Institute
(21) 2019203101 (22) 02.05.2019
(54) Compounds and matrices for use in bone growth and repair
(62) 2014232275

Hunan Peace Prosperity Electrical Co., Ltd. see State Grid Hunan Electric Power Company Live Working Center
(21) 2019203268

(71) IEX GROUP, INC.
(21) 2019203081 (22) 01.05.2019
(54) TECHNIQUES FOR FACILITATING ELECTRONIC TRADING
(62) 2014321533

(71) IGT
(21) 2019203135 (22) 03.05.2019
(54) Electronic Gaming Machines and Related Methods with Player Emotional State Prediction
(31) 15/979,717 (32) 15.05.18 (33) US

(71) Illinois Tool Works Inc.
(21) 2019203118 (22) 02.05.2019
(54) Coupling an upper end of a hollow section column to a building unit support
(62) 2015299764

(71) Illumina, Inc.
(21) 2019203198 (22) 07.05.2019
(54) Methods And Compositions For Nucleic Acid Sequencing
(62) 2013382098

(71) Inner Mongolia Mengniu Dairy (Group) Co., Ltd.
(21) 2019203074 (22) 01.05.2019
(54) Method for preparing dairy product based on principle of forward osmosis
(31) 201910108658.7 (32) 03.02.19 (33) CN

(71) inRegen
(21) 2019203167 (22) 06.05.2019
(54) Injectable formulations for organ augmentation
(62) 2017232058

(71) Inventio AG
(21) 2019203125 (22) 03.05.2019
(54) Moving a heavy, overload with an elevator
(62) 2016258973

Complete Applications Filed - Name Index cont'd

(71) Ireland, B.; Pratt, M.
(21) 2019203231 (22) 08.05.2019
(54) AN EXPANDABLE MOBILE HOUSING ASSEMBLY
(31) 2018901717 (32) 16.05.18 (33) AU

(71) Jackson Kayak, Inc
(21) 2019203211 (22) 08.05.2019
(54) WATERCRAFT HAVING RETRACTABLE DRIVE MECHANISM
(62) 2017202018

(71) Janssen Pharmaceutica NV
(21) 2019203186 (22) 07.05.2019
(54) P2X7 modulators
(62) 2017206153

(71) Janssen Pharmaceutica NV; Pharmacyclics LLC
(21) 2019203205 (22) 07.05.2019
(54) Ibrutinib combination therapy
(62) 2014251028

(71) Janssen Vaccines & Prevention B.V.
(21) 2019203124 (22) 03.05.2019
(54) Therapeutic HPV18 vaccines
(62) 2016309743

(71) Jetpack Oz Pty Ltd
(21) 2019203108 (22) 02.05.2019
(54) A MOBILE POOL SYSTEM
(31) 2018901491 (32) 02.05.18 (33) AU

Johnson, J. see King Technology
(21) 2019203079

(71) Joy Global Underground Mining LLC
(21) 2019203123 (22) 03.05.2019
(54) Industrial machine including a fluid sensor and method of operating the same
(31) 16/222,609 (32) 17.12.18 (33) US
62/676,026 24.05.18 US

(71) Julius, J.
(21) 2019203148 (22) 03.05.2019
(54) APPARATUS AND METHOD FOR INSERTING VERTICAL DRAINS INTO A GROUND SURFACE
(31) 2018901500 (32) 03.05.18 (33) AU

Kabushiki Kaisha Toshiba see Toshiba Infrastructure Systems & Solutions Corporation
(21) 2019203180

King, J. see King Technology
(21) 2019203079

(71) King Group of Companies Pty Ltd
(21) 2019203207 (22) 07.05.2019
(54) DRUM TRANSPORTING AND DECANTING APPARATUS
(31) 2018901540 (32) 07.05.18 (33) AU

(71) King Technology; Freeberg, P.; Schomberg, K.; Guy, D.; Goeman, T.; King, J.; Johnson, J.
(21) 2019203079 (22) 01.05.2019
(54) DISPENSING SYSTEMS
(62) 2015290242

Knibbs, C. see Capurso, S.
(21) 2019203075

(71) KYORIN PHARMACEUTICAL CO., LTD.
(21) 2019203119 (22) 03.05.2019
(54) UREA DERIVATIVE OR PHARMACOLOGICALLY ACCEPTABLE SALT THEREOF
(62) 2014355887

(71) Liberation Developments Pty Ltd
(21) 2019203220 (22) 08.05.2019
(54) A WEIGHTED SUPPORT ASSEMBLY
(62) 2017201290

(71) Lockliv Holdings Pty Ltd
(21) 2019203235 (22) 08.05.2019
(54) MONITORING AND ALERT SYSTEM AND METHOD FOR SENSORIALLY PERCEPTIBLE DEVICES
(62) 2015245948

(71) LOVINFLAME, INC.
(21) 2019203206 (22) 07.05.2019
(54) COMPOUND ECO-FRIENDLY STOVE OF SMOKE-FREE GRILL AND PIZZA OVEN WITH SINGLE BUTTERFLY STYLE BURNER ASSEMBLY

(71) LUIGI LAVAZZA S.p.A.
(21) 2019203133 (22) 03.05.2019
(54) System for the preparation of beverages
(62) 2014288834

(71) Lytix Biopharma AS
(21) 2019203199 (22) 07.05.2019
(54) IMMUNE CHECKPOINT INHIBITOR COMBINATIONS
(62) 2015359881

(71) MATOKE HOLDINGS LIMITED
(21) 2019203094 (22) 02.05.2019
(54) ANTIMICROBIAL COMPOSITIONS
(62) 2014393037

(71) McWade, K.
(21) 2019203127 (22) 03.05.2019
(54) AN IMPROVED INTERCOOLER TANK AND OR RESERVOIR
(31) 2019901222 (32) 10.04.19 (33) AU

(71) MERCK PATENT GMBH
(21) 2019203258 (22) 09.05.2019
(54) Pyrimidine pyrazolyl derivatives and their use as IRAK inhibitors
(62) 2015204652

(71) Minerva Biotechnologies Corporation
(21) 2019203097 (22) 02.05.2019
(54) Method for inducing cells to less mature state
(62) 2013289913

(71) Minerva Biotechnologies Corporation
(21) 2019203098 (22) 02.05.2019
(54) NME variant species expression and suppression
(62) 2013295811

(71) Monetize Pty Ltd
(21) 2019203276 (22) 09.05.2019
(54) TRANSACTION AID
(31) 2018903523 (32) 19.09.18 (33) AU

(71) Motorola Solutions, Inc.
(21) 2019203095 (22) 02.05.2019
(54) DEVICE, SYSTEM AND METHOD FOR PREVENTING AUDIO LOSS
(31) 15/977,541 (32) 11.05.18 (33) US

(71) MP Hydro Pty Limited
(21) 2019203161 (22) 06.05.2019
(54) Swimming pool construction
(31) 2018903010 (32) 16.08.18 (33) AU

(71) NEC Corporation
(21) 2019203071 (22) 01.05.2019
(54) RADIO ACCESS SYSTEM AND PORTABLE TERMINAL DEVICE
(62) 2017219066

(71) NEC Corporation
(21) 2019203201 (22) 07.05.2019
(54) Radio communication system, base station apparatus, and radio terminal
(62) 2018200493

(71) Netflix, Inc.
(21) 2019203178 (22) 07.05.2019
(54) Techniques for optimizing bitrates and resolutions during encoding
(62) 2016243988

(71) Neutrik AG
(21) 2019203156 (22) 06.05.2019

Complete Applications Filed - Name Index cont'd

(54) Plug-in connector part
(31) 202018102532.5 (32) 07.05.18 (33) DE

(71) Nuovo Pignone Srl
(21) 2019203084 (22) 01.05.2019
(54) COMPRESSOR SYSTEM FOR NATURAL GAS, METHOD OF COMPRESSING NATURAL GAS AND PLANT USING THEM
(62) 2017201857

(71) Organovo, Inc.
(21) 2019203265 (22) 09.05.2019
(54) Engineered liver tissues, arrays thereof, and methods of making the same
(62) 2017200691

(71) Oticon Medical A/S
(21) 2019203203 (22) 07.05.2019
(54) Implantable Dual-Vibrator Hearing System
(31) 18171194.6 (32) 08.05.18 (33) EP

(71) Pak Vitae (Private) Limited
(21) 2019203088 (22) 01.05.2019
(54) Hollow fiber membrane for filtration of liquids
(31) 319/2018 (32) 03.05.18 (33) PK
1816030.9 01.10.18 GB
1906074.8 30.04.19 GB

(71) Parcor Technology Limited
(21) 2019203197 (22) 07.05.2019
(54) IMPROVEMENTS IN, OR RELATED TO, ELECTROMAGNETIC DEVICES AND METHODS THEREFOR

(71) Parion Sciences, Inc.
(21) 2019203085 (22) 01.05.2019
(54) 3,5-DIAMINO-6-CHLORO-N-(N-(4-(4-(2-(HEXYL (2,3,4,5,6-PENTAHYDROXYHEXYL) AMINO) ETHOXY) PHENYL) BUTYL) CARBAMIMIDOYL) PYRAZINE-2-CARBOXAMIDE
(62) 2017208308

(71) Parkview Green Dairy Group Limited
(21) 2019203182 (22) 07.05.2019
(54) System and method for processing milk
(31) 744444 (32) 19.07.18 (33) NZ

(71) PCP Tactical, LLC
(21) 2019203278 (22) 10.05.2019
(54) HIGH STRENGTH POLYMER-BASED CARTRIDGE CASING AND MANUFACTURING METHOD
(62) 2017200740

(71) Pfizer Inc.
(21) 2019203159 (22) 06.05.2019

(54) Compositions and methods relating to a mutant clostridium difficile toxin
(62) 2017201193

Pharmacyclics LLC see Janssen Pharmaceutica NV
(21) 2019203205

(71) Pod I.P. Pty Ltd
(21) 2019203257 (22) 09.05.2019
(54) Adjustable modular knee brace
(62) 2018201739

(71) Popejoy, W.
(21) 2019203227 (22) 08.05.2019
(54) Impact diffusing system
(31) 15/975,971 (32) 10.05.18 (33) US

Pratt, M. see Ireland, B.
(21) 2019203231

(71) Profile Products L.L.C.
(21) 2019203246 (22) 09.05.2019
(54) Bark and Wood Fiber Growing Medium
(62) 2015284367

(71) Pro-Iroda Industries, Inc.
(21) 2019203248 (22) 09.05.2019
(54) COMBUSTION DEVICE THAT ALLOWS HEAT DISSIPATION
(31) 108103462 (32) 30.01.19 (33) TW

(71) Q-Bot Limited
(21) 2019203239 (22) 09.05.2019
(54) Method of covering a surface of a building and robot therefor
(62) 2014270078

(71) Rearden, LLC
(21) 2019203120 (22) 03.05.2019
(54) SYSTEMS AND METHODS TO ENHANCE SPATIAL DIVERSITY IN DISTRIBUTED INPUT DISTRIBUTED OUTPUT WIRELESS SYSTEMS
(62) 2017203172

(71) REBIOTIX, INC.
(21) 2019203164 (22) 06.05.2019
(54) Microbiota restoration therapy (MRT) compositions and methods of manufacture
(62) 2016274757

(71) ReveraGen BioPharma, Inc.
(21) 2019203077 (22) 01.05.2019
(54) Non-hormonal steroid modulators of NF-kB for treatment of disease
(62) 2017235995

(71) RICHARDS, C.
(21) 2019203176 (22) 06.05.2019
(54) A detent for a hose connector
(31) 2018902419 (32) 04.07.18 (33) AU

(71) Ricoh Company, Limited
(21) 2019203103 (22) 02.05.2019
(54) Powder Container And Image Forming Apparatus
(62) 2016277648

(71) Riverslea Holdings Pty Ltd
(21) 2019203172 (22) 06.05.2019
(54) COUPLING FOR ROLLER BLIND ASSEMBLY
(31) 2018901526 (32) 04.05.18 (33) AU

(71) Rookwood General Cemeteries Reserve Trust
(21) 2019203131 (22) 03.05.2019
(54) Above ground burial structure
(31) 2018901689 (32) 15.05.18 (33) AU

(71) Royal Melbourne Institute of Technology
(21) 2019203072 (22) 01.05.2019
(54) A MULTIMODAL PET/MRI CONTRAST AGENT AND A PROCESS FOR THE SYNTHESIS THEREOF
(31) 2018901483 (32) 02.05.18 (33) AU

(71) SafeCam Technologies Pty Ltd
(21) 2019203272 (22) 09.05.2019
(54) A mobile detection apparatus

Schneider, A. see Schneider, A.
(21) 2019203242

(71) Schneider, A.; Schneider, A.
(21) 2019203242 (22) 09.05.2019
(54) Harnessing wave power
(62) 2015202311

Schomberg, K. see Kling Technology
(21) 2019203079

(71) Seminis Vegetable Seeds, Inc.
(21) 2019203192 (22) 07.05.2019
(54) PEPPER HYBRID SVPS0292 AND PARENTS THEREOF
(31) 16/146,513 (32) 28.09.18 (33) US
62/673,465 18.05.18 US

(71) ServiceNow, Inc.
(21) 2019203129 (22) 03.05.2019
(54) Systems and method for incident scorecard
(31) 15/971,774 (32) 04.05.18 (33) US

Complete Applications Filed - Name Index cont'd

- (71) Sika Technology AG
(21) 2019203076 (22) 01.05.2019
(54) Rapid-Curing, Migration-Free Compositions Based on Organic Polymers Containing Silane Groups
(62) 2015248781
-
- (71) Simpson Strong-Tie Company Inc.
(21) 2019203165 (22) 06.05.2019
(54) Fastener Installation Tools, Systems And Methods
(31) 15/991,099 (32) 29.05.18 (33) US
-
- (71) Solas Science & Engineering Co., Ltd.
(21) 2019203143 (22) 03.05.2019
(54) Boat Propeller
(31) 108113633 (32) 18.04.19 (33) TW
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- (71) Solas Science & Engineering Co., Ltd.
(21) 2019203144 (22) 03.05.2019
(54) Propelling System of Powered Ship
(31) 108112712 (32) 11.04.19 (33) TW
-
- (71) Sonoco Australia Pty Ltd
(21) 2019203106 (22) 02.05.2019
(54) FLEXIBLE COMPOSITE MATERIAL
(62) 2017201770
-
- (71) So Spark Ltd.
(21) 2019203140 (22) 03.05.2019
(54) Rapid high-pressure microwave thermal decomposition system, capsule and method for using same
(62) 2015208702
-
- (71) Southwest Petroleum University
(21) 2019203193 (22) 07.05.2019
(54) Method for Calculating Minimum Supporting Force of Shield Tunneling surface in Sandy Cobble Stratum
(31) 201810700027X (32) 29.06.18 (33) CN
-
- Spears, J. see Carlson, M.**
(21) 2019203112
-
- Stan, P. see Carlson, M.**
(21) 2019203112
-
- State Grid Corporation of China see State Grid Hunan Electric Power Company Live Working Center**
(21) 2019203268
-
- State Grid Hunan Electric Power Company see State Grid Hunan Electric Power Company Live Working Center**
(21) 2019203268
-
- (71) State Grid Hunan Electric Power Company Live Working Center; Hunan Peace Prosperity Electrical Co., Ltd.; State Grid Corporation of China; State Grid Hunan Electric Power Company
(21) 2019203268 (22) 09.05.2019
(54) GENERAL CLOSED TYPE CLAMP MEANS FOR REPLACING UHV INSULATORS
(62) 2017201903
-
- (71) Stryker Corporation
(21) 2019203130 (22) 03.05.2019
(54) Method of cleaning bone stock
(62) 2016204134
-
- (71) Sumac Hardware & Tools Co., Ltd.
(21) 2019203145 (22) 03.05.2019
(54) Remote-Controlled Gasoline Cleaner
(31) 201811085581.8 (32) 18.09.18 (33) CN
-
- (71) SUN, S.
(21) 2019203121 (22) 03.05.2019
(54) Horizontally extendable ladder
(31) 201810463319.6 (32) 15.05.18 (33) CN
-
- (71) Supernus Pharmaceuticals Inc.
(21) 2019203270 (22) 09.05.2019
(54) Methods of producing molindone and its salts
(62) 2017208312
-
- (71) SWIMC LLC
(21) 2019203229 (22) 08.05.2019
(54) MOBILE RETAIL UNIT FOR ON-SITE COATING APPLICATIONS, ASSOCIATED NETWORK AND METHOD OF USE
(62) 2013331031
-
- (71) Swinburne University of Technology; COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION
(21) 2019203137 (22) 03.05.2019
(54) Ironmaking Feedstock
-
- (71) Terex GB Limited
(21) 2019203157 (22) 06.05.2019
(54) ADJUSTABLE VIBRATORY DRIVE SYSTEM
(31) 1807509.3 (32) 08.05.18 (33) GB
-
- (71) THALES
(21) 2019203216 (22) 08.05.2019
(54) Method for tracking targets, in particular maritime targets, and radar implementing such a method
(31) 1800437 (32) 09.05.18 (33) FR
-
- (71) The Boeing Company
(21) 2019203250 (22) 09.05.2019
(54) Sleep systems for aircraft
(31) 15/985,387 (32) 21.05.18 (33) US
-
- (71) The Boeing Company
(21) 2019203263 (22) 09.05.2019
(54) System and method for surface cleaning
(62) 2015219442
-
- (71) The Boeing Company
(21) 2019203269 (22) 09.05.2019
(54) Seat assembly having a deployable headrest
(31) 15/975,829 (32) 10.05.18 (33) US
-
- (71) THE CHEMOURS COMPANY FC, LLC
(21) 2019203113 (22) 02.05.2019
(54) METHODS FOR MAKING FOAMS USING BLOWING AGENTS COMPRISING UNSATURATED FLUOROCARBONS
(62) 2017248408
-
- (71) The Government of the United States of America, as represented by the Secretary, Department of Health and Human Services; Walter Reed Army Institute of Research
(21) 2019203166 (22) 06.05.2019
(54) Construction of West Nile virus and dengue virus chimeras for use in a live virus vaccine to prevent disease caused by West Nile virus
(62) 2017203108
-
- (71) The Trustees of the University of Pennsylvania
(21) 2019203111 (22) 02.05.2019
(54) Manufacturing of multi-dose injection ready dendritic cell vaccines, combination therapies for blocking HER2 and HER3, and estrogen receptor positive HER2 breast cancer therapy
(62) 2017201074
-
- (71) Tiantai County Youcheng Auto Accessories Co., Ltd.
(21) 2019203277 (22) 09.05.2019
(54) A mites-removing cleaning brush for automobile
(31) 201910137802X (32) 25.02.19 (33) CN
-
- (71) TORRO LIMITED
(21) 2019203249 (22) 09.05.2019
(54) A swing dock
(31) 18106116.6 (32) 10.05.18 (33) HK
-
- (71) Tosh ba Infrastructure Systems & Solutions Corporation; Kabushiki Kaisha Tosh ba
(21) 2019203180 (22) 07.05.2019
(54) Vehicle recognition apparatus and vehicle recognition method
(31) 2019-003619 (32) 11.01.19 (33) JP
2018-093969 15.05.18 JP

Complete Applications Filed - Name Index cont'd

(71) Trust Technology World - DMCC
 (21) 2019203238 (22) 09.05.2019
 (54) RECORDAL OF POTENTIAL HARMFUL RADIATION
 (62) 2015220790

(71) Tyrex Solutions Pty Ltd
 (21) 2019203252 (22) 09.05.2019
 (54) Portable Ramp
 (31) 2018901644 (32) 14.05.18 (33) AU

(71) Ulthera, Inc.
 (21) 2019203187 (22) 07.05.2019
 (54) Devices and methods for multi-focus ultrasound therapy
 (62) 2014226239

(71) United Laboratories International, LLC
 (21) 2019203105 (22) 02.05.2019
 (54) Solvent System for Cleaning Fixed Bed Reactor Catalyst in Situ
 (31) 16/290,679 (32) 01.03.19 (33) US

(71) UPM-Kymmene Corporation
 (21) 2019203138 (22) 03.05.2019
 (54) METHOD FOR PRODUCING RENEWABLE FUELS
 (31) 20185411 (32) 03.05.18 (33) FI

(71) UPM-Kymmene Corporation
 (21) 2019203139 (22) 03.05.2019
 (54) METHOD FOR PRODUCING RENEWABLE FUELS
 (31) 20185412 (32) 03.05.18 (33) FI

(71) UTI Limited Partnership
 (21) 2019203154 (22) 06.05.2019
 (54) METHODS AND COMPOSITIONS FOR SUSTAINED IMMUNOTHERAPY
 (62) 2014343379

(71) UVLrx Therapeutics Inc.
 (21) 2019203117 (22) 02.05.2019
 (54) SHEATHED OPTICAL FIBER
 (62) 2017216559

(71) Valsch Dynamic Mechtronics Ltd.
 (21) 2019203234 (22) 08.05.2019
 (54) Rotor Cooling Apparatus of an Electric Vehicle Powertrain Comprising Integrated Motor, Reduction Gearbox and Differential and Rotor Cooling Method of the same
 (31) 107115708 (32) 09.05.18 (33) TW

(71) Veridium IP Limited
 (21) 2019203222 (22) 08.05.2019

(54) System and method for facilitating user access to vehicles based on biometric information
 (62) 2015274445

(71) Vertex Pharmaceuticals Incorporated
 (21) 2019203240 (22) 09.05.2019
 (54) Treating pancreatic cancer and non-small cell lung cancer with ATR inhibitors
 (62) 2017206224

(71) W. Müller GmbH
 (21) 2019203158 (22) 06.05.2019
 (54) Multiple extrusion head
 (31) 18171095.5 (32) 07.05.18 (33) EP

**Walter Reed Army Institute of Research
 see The Government of the United States of America, as represented by the Secretary, Department of Health and Human Services**
 (21) 2019203166

(71) Windgap Medical, Inc.
 (21) 2019203236 (22) 09.05.2019
 (54) DRUG MIXING AND DELIVERY SYSTEM AND METHOD
 (62) 2014364433

(71) Wong, K.
 (21) 2019203151 (22) 06.05.2019
 (54) Rainbow Piano
 (62) 2017201131

(71) Xensit Tribology B.V.
 (21) 2019203212 (22) 08.05.2019
 (54) Surface Cleaning System and Method
 (62) 2015215017

Numerical Index

2019203071	NEC Corporation	2019203140	So Spark Ltd.
2019203072	Royal Melbourne Institute of Technology	2019203141	FMC Corporation
2019203073	Aristocrat Technologies Australia Pty Limited	2019203142	DePuy Synthes Products, Inc.
2019203074	Inner Mongolia Mengniu Dairy (Group) Co., Ltd.	2019203143	Solas Science & Engineering Co., Ltd.
2019203075	Capurso, S.; Knibbs, C.	2019203144	Solas Science & Engineering Co., Ltd.
2019203076	Sika Technology AG	2019203145	Sumac Hardware & Tools Co., Ltd.
2019203077	ReveraGen BioPharma, Inc.	2019203146	Butler Holdings Pty Ltd
2019203078	HONEYWELL INTERNATIONAL INC.	2019203147	[24]7.ai, Inc.
2019203079	King Technology; Freeberg, P.; Schomberg, K.; Guy, D.; Goeman, T.; King, J.; Johnson, J.	2019203148	Julius, J.
2019203080	ALSTOM Transport Technologies	2019203149	Fractyl Laboratories Inc.
2019203081	IEX GROUP, INC.	2019203150	Air Products and Chemicals, Inc.
2019203082	Aristocrat Technologies Australia Pty Limited	2019203151	Wong, K.
2019203083	Arysta LifeScience North America, LLC	2019203152	Halliburton Energy Services, Inc.
2019203084	Nuovo Pignone Srl	2019203153	Amazon Technologies, Inc.
2019203085	Parion Sciences, Inc.	2019203154	UTI Limited Partnership
2019203087	Aristocrat Technologies Australia Pty Limited	2019203155	BioMarin Pharmaceutical Inc.
2019203088	Pak Vitae (Private) Limited	2019203156	Neutrik AG
2019203089	Aristocrat Technologies Australia Pty Limited	2019203157	Terex GB Limited
2019203090	Colorado State University Research Foundation	2019203158	W. Müller GmbH
2019203091	Frank's International, LLC	2019203159	Pfizer Inc.
2019203092	Accenture Global Solutions Limited	2019203160	Covidien LP
2019203094	MATOKE HOLDINGS LIMITED	2019203161	MP Hydro Pty Limited
2019203095	Motorola Solutions, Inc.	2019203162	Fisher & Paykel Healthcare Limited
2019203096	ABUS August Bremicker Söhne KG	2019203163	Caterpillar Inc.
2019203097	Minerva Biotechnologies Corporation	2019203164	REBIOTIX, INC.
2019203098	Minerva Biotechnologies Corporation	2019203165	Simpson Strong-Tie Company Inc.
2019203099	CLEARY DOLCETTI, J.	2019203166	The Government of the United States of America, as represented by the Secretary, Department of Health and Human Services; Walter Reed Army Institute of Research
2019203100	DSI Tunneling LLC	2019203167	inRegen
2019203101	Human BioMolecular Research Institute	2019203168	Accenture Global Solutions Limited
2019203102	Green Products & Technologies, L.L.C.	2019203170	BioAtla LLC
2019203103	Ricoh Company, Limited	2019203171	Holley Performance Products Inc.
2019203105	United Laboratories International, LLC	2019203172	Riverslea Holdings Pty Ltd
2019203106	Sonoco Australia Pty Ltd	2019203173	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.
2019203107	Cryovac, Inc; Furukawa MFG. Co., Ltd.	2019203174	DexCom, Inc.
2019203108	Jetpack Oz Pty Ltd	2019203175	Apple Inc.
2019203109	Bovell, C.	2019203176	RICHARDS, C.
2019203110	Fuji Xerox Co., Ltd.	2019203177	Caterpillar Inc.
2019203111	The Trustees of the University of Pennsylvania	2019203178	Netflix, Inc.
2019203112	Carlson, M.; Spears, J.; Stan, P.	2019203179	Hazer Group Limited
2019203113	THE CHEMOURS COMPANY FC, LLC	2019203180	Toshiba Infrastructure Systems & Solutions Corporation; Kabushiki Kaisha Toshiba
2019203114	Battelle Memorial Institute	2019203181	Cour Pharmaceuticals Development Company
2019203115	Club Gaming Pty Ltd	2019203182	Parkview Green Dairy Group Limited
2019203116	E. I. du Pont de Nemours and Company	2019203183	Aristocrat Technologies Australia Pty Limited
2019203117	UVLrx Therapeutics Inc.	2019203184	Broadridge Financial Solutions, Inc.
2019203118	Illinois Tool Works Inc.	2019203185	Haldor Topsøe A/S
2019203119	KYORIN PHARMACEUTICAL CO., LTD.	2019203186	Janssen Pharmaceutica NV
2019203120	Rearden, LLC	2019203187	Ulthera, Inc.
2019203121	SUN, S.	2019203188	Aponia Laboratories, Inc.
2019203122	Gilead Sciences, Inc.	2019203189	Aristocrat Technologies Australia Pty Limited
2019203123	Joy Global Underground Mining LLC	2019203190	Accenture Global Solutions Limited
2019203124	Janssen Vaccines & Prevention B.V.	2019203191	Corning Incorporated
2019203125	Inventio AG	2019203192	Seminis Vegetable Seeds, Inc.
2019203126	ABUS August Bremicker Söhne KG	2019203193	Southwest Petroleum University
2019203127	McWade, K.	2019203194	Dow AgroSciences LLC
2019203128	Genzyme Corporation	2019203195	Financial & Risk Organisation Limited
2019203129	ServiceNow, Inc.	2019203196	COMMHEALTH SYSTEMS PTY LIMITED
2019203130	Stryker Corporation	2019203197	Parcor Technology Limited
2019203131	Rookwood General Cemeteries Reserve Trust	2019203198	llumina, Inc.
2019203132	Bonato, A.	2019203199	Lytx Biopharma AS
2019203133	LUIGI LAVAZZA S.p.A.	2019203200	Accenture Global Solutions Limited
2019203135	IGT	2019203201	NEC Corporation
2019203136	Clipsal Australia Pty Ltd	2019203203	Oticon Medical A/S
2019203137	Swinburne University of Technology; COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION	2019203204	Aerovironment, Inc.
2019203138	UPM-Kymmene Corporation		
2019203139	UPM-Kymmene Corporation		

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2019203205	Janssen Pharmaceutica NV; Pharmacyclics LLC	2019203279	GE Video Compression, LLC
2019203206	LOVINFLAME, INC.		
2019203207	King Group of Companies Pty Ltd		
2019203208	Accenture Global Solutions Limited		
2019203209	Apple Inc.		
2019203210	ENTOPSIS		
2019203211	Jackson Kayak, Inc		
2019203212	Xensit Tribology B.V.		
2019203213	Atlas Copco Airpower, naamloze vennootschap		
2019203214	Allergan, Inc.		
2019203215	CTA Australia Pty Ltd		
2019203216	THALES		
2019203217	BLACKLIDGE EMULSIONS, INC.		
2019203219	Clemtek, LLC		
2019203220	Liberation Developments Pty Ltd		
2019203221	Aristocrat Technologies Australia Pty Limited		
2019203222	Veridium IP Limited		
2019203223	BioMimetic Therapeutics, LLC		
2019203224	Afitex International		
2019203226	Cytec Industries Inc.		
2019203227	Popejoy, W.		
2019203228	DSI Tunneling LLC		
2019203229	SWIMC LLC		
2019203230	Accenture Global Solutions Limited		
2019203231	Ireland, B.; Pratt, M.		
2019203233	Aristocrat Technologies Australia Pty Limited		
2019203234	Valsch Dynamic Mechtronics Ltd.		
2019203235	Lockliv Holdings Pty Ltd		
2019203236	Windgap Medical, Inc.		
2019203238	Trust Technology World - DMCC		
2019203239	Q-Bot Limited		
2019203240	Vertex Pharmaceuticals Incorporated		
2019203241	Barwick, A.C.		
2019203242	Schneider, A.; Schneider, A.		
2019203243	Academia Sinica		
2019203244	Adamis Pharmaceuticals Corporation		
2019203245	C.R. Bard, Inc.		
2019203246	Profile Products L.L.C.		
2019203247	Flow Control LLC.		
2019203248	Pro-Iroda Industries, Inc.		
2019203249	TORRO LIMITED		
2019203250	The Boeing Company		
2019203251	Cubic Corporation		
2019203252	Tyrex Solutions Pty Ltd		
2019203253	Aristocrat Technologies Australia Pty Limited		
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2019203259	Domalina Pty Ltd		
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2019203263	The Boeing Company		
2019203264	Allergan Industrie, SAS		
2019203265	Organovo, Inc.		
2019203266	Amazon Technologies, Inc.		
2019203267	Alibaba Group Holding Limited		
2019203268	State Grid Hunan Electric Power Company Live Working Center; Hunan Peace Prosperity Electrical Co., Ltd.; State Grid Corporation of China; State Grid Hunan Electric Power Company		
2019203269	The Boeing Company		
2019203270	Supernus Pharmaceuticals Inc.		
2019203271	Depuy Ireland Unlimited Company		
2019203272	SafeCam Technologies Pty Ltd		
2019203273	Aristocrat Technologies Australia Pty Limited		
2019203274	Aristocrat Technologies Australia Pty Limited		
2019203275	Aristocrat Technologies Australia Pty Limited		
2019203276	Monetize Pty Ltd		
2019203277	Tiantai County Youcheng Auto Accessories Co., Ltd.		
2019203278	PCP Tactical, LLC		

Innovation Patent Applications Filed

Name Index

Applications listed below were processed through the Patent Office Canberra during the period ending 7 May 2019 .
(This list may contain multiple listings of a patent application where there are multiple applicants for that patent.)

<p>(71) Anderson, P.S. (21) 2019100505 (22) 08.05.2019 (54) HOLDING RACK</p>	<p>(54) Displaying user interfaces associated with physical activities (31) 16/144,864 (32) 27.09.18 (33) US PA201870380 12.06.18 DK 16/138,809 21.09.18 US 16/144,849 27.09.18 US 62/668,159 07.05.18 US PA201870378 12.06.18 DK PA201870379 12.06.18 DK</p>	<p>(71) Detnet South Africa (Pty) Ltd (21) 2019100494 (22) 07.05.2019 (54) STRETCHABLE DETONATOR CONNECTION CABLE (62) PCT/ZA2018/050012</p>
<p>(71) Apple Inc. (21) 2019100486 (22) 06.05.2019 (54) Devices and methods for measuring using augmented reality (31) 62/668,249 (32) 07.05.18 (33) US 62/679,952 03.06.18 US 16/145,015 27.09.18 US 16/145,025 27.09.18 US 16/138,779 21.09.18 US</p>	<p>(71) Apple Inc. (21) 2019100497 (22) 07.05.2019 (54) Avatar creation user interface (31) 16/142,305 (32) 26.09.18 (33) US PA201870372 12.06.18 DK PA201870374 12.06.18 DK PA201870375 12.06.18 DK PA201870377 12.06.18 DK 62/668,200 07.05.18 US 16/142,288 26.09.18 US 16/142,328 26.09.18 US 62/679,950 03.06.18 US 16/116,221 29.08.18 US</p>	<p>(71) Ginard, G. (21) 2019100485 (22) 06.05.2019 (54) The Ginear Baseball Cap</p>
<p>(71) Apple Inc. (21) 2019100487 (22) 06.05.2019 (54) User interfaces for viewing live video feeds and recorded video (31) 62/668,090 (32) 07.05.18 (33) US 62/843,512 05.05.19 US</p>	<p>(71) Apple Inc. (21) 2019100499 (22) 07.05.2019 (54) Multi-participant live communication user interface (31) 16/109,552 (32) 22.08.18 (33) US 62/679,925 03.06.18 US 62/668,229 07.05.18 US PA 2018 70364 12.06.18 DK PA 2018 70363 12.06.18 DK 16/147,432 28.09.18 US 16/144,572 27.09.18 US PA 2018 70362 12.06.18 DK</p>	<p>(71) Harrison, B. (21) 2019100501 (22) 08.05.2019 (54) Apparatus & Method for Fire Suppression (31) 2018901603 (32) 10.05.18 (33) AU</p>
<p>(71) Apple Inc. (21) 2019100488 (22) 06.05.2019 (54) Devices, methods, and graphical user interfaces for navigating between user interfaces, displaying a dock, and displaying system user interface elements (31) 201811166251.1 (32) 29.09.18 (33) CN 62/752,336 29.10.18 US PA 201870336 11.06.18 DK 16/145,081 27.09.18 US 62/679,959 03.06.18 US 62/668,177 07.05.18 US</p>	<p>(71) Bromardar Pty Ltd (21) 2019100498 (22) 07.05.2019 (54) Method And Apparatus For Securing A Blind (31) 2018902134 (32) 15.06.18 (33) AU</p>	<p>(71) Inspection and Quarantine Technology Center of Xiamen Entry & Exit Inspection and Quarantine Bureau (21) 2019100481 (22) 03.05.2019 (54) QUICK AND NONDESTRUCTIVE CUBILOSE AUTHENTICITY DISCRIMINATION METHOD</p>
<p>(71) Apple Inc. (21) 2019100490 (22) 07.05.2019 (54) User interfaces for sharing contextually relevant media content (31) 62/668,018 (32) 07.05.18 (33) US PA 2018 70385 12.06.18 DK 16/145,033 27.09.18 US</p>	<p>Christos, D. see Cypha Interactive Pty Limited (21) 2019100480</p>	<p>(71) Inspection and Quarantine Technology Center of Xiamen Entry & Exit Inspection and Quarantine Bureau (21) 2019100482 (22) 03.05.2019 (54) METHOD FOR IDENTIFYING GRAPE VARIETIES AND VINTAGES OF GRAPE WINE</p>
<p>(71) Apple Inc. (21) 2019100493 (22) 07.05.2019 (54) User interfaces for controlling access to applications and application-related functions on an electronic device (31) 62/668,811 (32) 08.05.18 (33) US 62/679,927 03.06.18 US 62/692,831 01.07.18 US</p>	<p>(71) Cunniffe, J. (21) 2019100507 (22) 09.05.2019 (54) MOBILE OFFICE SYSTEM</p>	<p>(71) LIU, Z. (21) 2019100489 (22) 06.05.2019 (54) PEN-TYPE BACKFLOW-PROOF RECTRACTABLE FLOW VISIBLE BLOOD COLLECTION NEEDLE (31) 2019204580714 (32) 28.03.19 (33) CN</p>
<p>(71) Apple Inc. (21) 2019100495 (22) 07.05.2019</p>	<p>(71) Cypha Interactive Pty Limited; Christos, D. (21) 2019100480 (22) 03.05.2019 (54) Infant sleeping aid, infant sleeping aid system and method (31) 2018901517 (32) 03.05.18 (33) AU</p>	<p>(71) Lyons, M. (21) 2019100483 (22) 04.05.2019 (54) Multifunctional Battery Power Unit</p>
		<p>(71) McWade, K. (21) 2019100478 (22) 03.05.2019 (54) AN IMPROVED INTERCOOLER TANK AND OR RESERVOIR (31) 2019901222 (32) 10.04.19 (33) AU</p>
		<p>(71) MGE HOLDINGS LLC (21) 2019100469 (22) 02.05.2019</p>

Innovation Patent Applications Filed - Name Index cont'd

(54) METHODS AND COMPOSITIONS FOR VISIBLY WHITENING TEETH WITHOUT PEROXIDE

(71) MGE HOLDINGS LLC
(21) 2019100470 (22) 02.05.2019
(54) METHODS AND COMPOSITIONS FOR REDUCING XEROSTOMIA

(71) MGE HOLDINGS LLC
(21) 2019100471 (22) 02.05.2019
(54) METHODS AND COMPOSITIONS FOR REDUCING TOOTH, ROOT AND DENTIN SENSITIVITY

(71) MGE HOLDINGS LLC
(21) 2019100472 (22) 02.05.2019
(54) METHODS AND COMPOSITIONS FOR TREATING GINGIVITIS AND INFLAMMATION AND REDUCING PLAQUE AND TARTAR

(71) MGE HOLDINGS LLC
(21) 2019100473 (22) 02.05.2019
(54) METHODS AND COMPOSITIONS FOR PROTECTING AND PROMOTING HEALTHY ORAL MICROBIOME

O'Connell, J. see Walker, R.
(21) 2019100479

(71) ONESTEEL WIRE PTY LIMITED
(21) 2019100475 (22) 02.05.2019
(54) A Grate

(71) OXTI CORPORATION
(21) 2019100476 (22) 02.05.2019
(54) MULTI-FUNCTION LIGHTING DEVICE

(71) Pertot, S.
(21) 2019100503 (22) 08.05.2019
(54) The Vibrating Steering Wheel linked to the Speedometer of the Motor Vehicle

(71) Pertot, S.
(21) 2019100504 (22) 08.05.2019
(54) Em Struc - Solid, Secure Coated Steel Based Structure Framework.

Pope, L. see Pope, L.
(21) 2019100484

(71) Pope, L.; Pope, L.
(21) 2019100484 (22) 05.05.2019
(54) Bella the Rosella colour wheel Drawing of a Rosella in steps, with primary colours which create secondary colours with water colour pencils.

(71) Razer (Asia-Pacific) Pte. Ltd.
(21) 2019100491 (22) 07.05.2019
(54) Directional pad assembly

Richards, P. see The Trustee for BLUNDELL FAMILY TRUST
(21) 2019100468

(71) Roux Investments Pty Ltd
(21) 2019100477 (22) 03.05.2019
(54) A portable aboveground pool and a method for manufacture thereof
(62) 2017100584

(71) Scafclad Pty Ltd; Suvla Properties Pty Ltd
(21) 2019100492 (22) 07.05.2019
(54) A CHAIN LINK ASSEMBLY

(71) Shaanxi Huikang Bio-Tech Co., Ltd.
(21) 2019100496 (22) 07.05.2019
(54) Novel artificial tears containing recombinant human lysozyme and recombinant human EGF
(31) 201810613195.5 (32) 14.06.18 (33) CN

(71) Shaanxi Huikang Bio-Tech Co., Ltd.
(21) 2019100500 (22) 07.05.2019
(54) Novel artificial tears containing recombinant human lysozyme
(31) 201810614434.9 (32) 14.06.18 (33) CN

Suvla Properties Pty Ltd see Scafclad Pty Ltd
(21) 2019100492

(71) The Trustee for BLUNDELL FAMILY TRUST; Richards, P.
(21) 2019100468 (22) 01.05.2019
(54) Psycho Motor Testing device that measures decision making speed to 1000th of a second in simulated trials whilst biometric data including brain-wave & heart rate variability is collected & audible/haptic distractions applied. The results are compared to an international database of elite performers in order to provide relative performance feedback & determine the participants Competitive IQ.

(71) Walker, R.; O'Connell, J.
(21) 2019100479 (22) 03.05.2019
(54) A corner joint assembly

(71) WONG, S.M.D.
(21) 2019100474 (22) 02.05.2019
(54) Disposable container produced with oxo-biodegradable material and preparing method thereof
(31) 18105807.2 (32) 04.05.18 (33) HK

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2019100468	The Trustee for BLUNDELL FAMILY TRUST; Richards, P.	2019100486	Apple Inc.
2019100469	MGE HOLDINGS LLC	2019100487	Apple Inc.
2019100470	MGE HOLDINGS LLC	2019100488	Apple Inc.
2019100471	MGE HOLDINGS LLC	2019100489	LIU, Z.
2019100472	MGE HOLDINGS LLC	2019100490	Apple Inc.
2019100473	MGE HOLDINGS LLC	2019100491	Razer (Asia-Pacific) Pte. Ltd.
2019100474	WONG, S.M.D.	2019100492	Scafclad Pty Ltd; Suvla Properties Pty Ltd
2019100475	ONESTEEL WIRE PTY LIMITED	2019100493	Apple Inc.
2019100476	OXTI CORPORATION	2019100494	Detnet South Africa (Pty) Ltd
2019100477	Roux Investments Pty Ltd	2019100495	Apple Inc.
2019100478	McWade, K.	2019100496	Shaanxi Hu kang Bio-Tech Co., Ltd.
2019100479	Walker, R.; O'Connell, J.	2019100497	Apple Inc.
2019100480	Cypha Interactive Pty Limited; Christos, D.	2019100498	Bromardar Pty Ltd
2019100481	Inspection and Quarantine Technology Center of Xiamen Entry & Exit Inspection and Quarantine Bureau	2019100499	Apple Inc.
2019100482	Inspection and Quarantine Technology Center of Xiamen Entry & Exit Inspection and Quarantine Bureau	2019100500	Shaanxi Hu kang Bio-Tech Co., Ltd.
2019100483	Lyons, M.	2019100501	Harrison, B.
2019100484	Pope, L.; Pope, L.	2019100503	Pertot, S.
2019100485	Ginard, G.	2019100504	Pertot, S.
		2019100505	Anderson, P.S.
		2019100507	Cunniffe, J.

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)

- 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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1999026914 (14)	1999026931 (14)	1999026943 (14)
1999027052 (14)	1999035130 (14)	1999035132 (14)
1999035145 (14)	1999035306 (14)	1999035963 (14)
1999036098 (14)	1999036747 (14)	1999036916 (14)
1999036919 (14)	1999036920 (14)	1999036924 (14)
1999037232 (14)	1999037268 (14)	1999037342 (14)
1999037408 (14)	1999037409 (14)	1999037855 (14)
1999038373 (14)	1999038537 (14)	1999038777 (14)
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1999054516 (14)	1999057101 (14)	1999057141 (14)
1999058965 (14)	1999059486 (14)	1999063226 (14)
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2000011547 (14)	2000012336 (14)	2000012358 (14)
2000012539 (14)	2000014040 (14)	2000015489 (14)
2000066693 (14)	2000069575 (14)	

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2001010353 (14)	2001011221 (14)	2001011851 (14)
2001012410 (14)	2001013205 (14)	2001013891 (14)
2001014444 (14)	2001016549 (14)	2001024713 (14)
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2002210279 (14)	2002219066 (14)	2002220002 (14)
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2002348602 (14)	2002350622 (14)	2002350654 (14)
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2004200264 (14)	2004202433 (14)	2004202666 (14)
2004212584 (14)	2004222854 (14)	2004285559 (14)
2004285834 (14)	2004287867 (14)	2004288169 (14)
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2005298404 (14)	2005298408 (14)	2005298629 (14)
2005298854 (14)	2005299218 (14)	2005299287 (14)
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2005299616 (14)	2005300113 (14)	2005300248 (14)
2005300752 (14)	2005301625 (14)	2005305165 (14)
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2006202916 (14)	2006203729 (14)	2006220421 (14)
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2006310260 (14)	2006336136 (14)	2006338494 (14)
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2007309412 (14)	2007314874 (14)	2007316143 (14)
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2008203278 (14)	2008229746 (14)	2008234966 (14)
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2018

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2019

2019202638 (12CN) 2019202914 (12BN) 2019900468 (17AN)
 2019901611 (12AN)

Assignments before Grant, Section 113

2014

2014344726 Zhang, Boyang; Miklas, Jason; Xiao, Yun; RADISIC, Milica; Vasconcelos, Sara; Thavandiran, Nimalan; Zhao, Yimu The application has been assigned to **RADISIC, Milica**

2014374516 R1 B3 Holding B.V. The application has been assigned to **ProteoNic Biotechnology IP B.V.**

2015

2015284385 Teva Pharmaceutical Industries Ltd. The application has been assigned to **Prilenia Therapeutics Development Ltd.**

2015311787 CORPAK MedSystems, Inc. The application has been assigned to **Avent, Inc.**

2015312190 Bioprotonics LLC The application has been assigned to **Bioprotonics, Inc.**

2015314858 Rep Concepts, Inc. The application has been assigned to **STACYC, INC.**

2015322658 Chugai Seiyaku Kabushiki Kaisha; Public University Corporation Nara Medical University The application has been assigned to **Chugai Seiyaku Kabushiki Kaisha**

2015353789 Corpak Medsystems, Inc. The application has been assigned to **Avent, Inc.**

2015361996 Freed, Darren The application has been assigned to **Tevosol, Inc.**

2015409182 Halliburton Energy Services, Inc. The application has been assigned to **The University of North Carolina at Chapel Hill; Halliburton Energy Services, Inc.**

2016

2016220571 Kitchen King Limited The application has been assigned to **Bluewater Rise Investments Limited**

2016222796 Teva Pharmaceuticals International GmbH; The Board of Regents of The University of Texas System The application has been assigned to **Prilenia Therapeutics Development Ltd.; The Board of Regents of The University of Texas System**

2016226375 Modern Twist, Inc. The application has been assigned to **Stasher, Inc.**

2016231790 Raichman, Yossef The application has been assigned to **Altria Client Services LLC**

2016247130 Dent, Christopher The application has been assigned to **Katadyn Desalination, LLC**

2016254508 Burr, Alan The application has been assigned to **CLINIVAC LTD**

2016256854 Corpak Medsystems, Inc. The application has been assigned to **Avent, Inc.**

Assignments before Grant, Section 113

2016274694 Forum Pharmaceuticals, Inc. The application has been assigned to **Axovant Sciences GmbH**

2016280066 CCS Technology, Inc. The application has been assigned to **Corning Optical Communications LLC**

2016327275 Meshrose Ltd. The application has been assigned to **Walkme Ltd.**

2016334250 Bioprotonics LLC The application has been assigned to **Bioprotonics, Inc.**

2016356395 Peking University; Cygnus Biosciences (Beijing) Co. Ltd. The application has been assigned to **Cygnus Biosciences (Beijing) Co. Ltd.**

2016427261 King-Smith, Dominic; Vo, Ngoc; Hull, Wade The application has been assigned to **Crescita Therapeutics Inc.**

2017

2017213488 Smarttruck Systems, LLC The application has been assigned to **Transtex LLC**

2017223838 Teva Pharmaceuticals International GmbH The application has been assigned to **Prilenia Therapeutics Development Ltd.**

2017228932 Taylor, Christopher Kent The application has been assigned to **Precision Pipe Lifter Pty Ltd**

2017230952 NightstaRx Limited The application has been assigned to **Oxford University Innovation Limited**

2017243879 Naturo Pty Ltd The application has been assigned to **Naturo Innovations Pty Ltd**

2017249944 IDEAL Industries, Inc. The application has been assigned to **Ideal Industries Networks Limited**

2017261734 Tremco Illbruck Produktion GmbH; Firetherm Intumescent & Insulation Supplies Ltd.; Tremco Illbruck Limited The application has been assigned to **Tremco Illbruck GmbH; Tremco Illbruck Limited**

2017268642 Kesler, Uriel; Yitzhak, Hamutal The application has been assigned to **Else Nutrition GH Ltd**

2017331260 Gosh, Arun The application has been assigned to **Purdue Research Foundation**

2017350947 WASHINGTON UNIVERSITY; Denali Therapeutics Inc. The application has been assigned to **WASHINGTON UNIVERSITY**

2018

2018200842 ADC Telecommunications, Inc. The application has been assigned to **CommScope Technologies LLC**

Assignments before Grant, Section 113

2018201972 **REVOLUTIONARY BEEKEEPING LIMITED** The application has been assigned to **SOUTHERN PASTURES INVESTMENTS LIMITED PARTNERSHIP**

2018206838 **Park, Sea Man** The application has been assigned to **System Korea Engineering & Construction Co., Ltd.**

2018267616 **Adaptive Spectrum and Signal Alignment, Inc.** The application has been assigned to **ASSIA SPE, LLC**

2019

2019202510 **Aratana Therapeutics NV** The application has been assigned to **Aratana Therapeutics, Inc.**

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.

2001

2001280685 **Trendium, Inc.** An application to extend the time from 20 Jul 2018 to 20 Mar 2019 in which to pay a renewal fee has been filed . Address for service - Watermark Intellectual Property Pty Ltd L 1 109 Burwood Rd Hawthorn VIC 3122 AU

2007

2007257336 **Cortical Dynamics Limited** An application to extend the time from 06 Jun 2018 to 06 Mar 2019 in which to pay the renewal fee has been filed . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

2009

2009222557 **Monash University** An application to extend the time from 02 Oct 2018 to 02 May 2019 in which to pay a renewal fee has been filed . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2009298814 **Laboratory Skin Care, Inc.** An application to extend the time from 23 Sep 2018 to 23 Apr 2019 in which to pay a renewal fee has been filed . Address for service - FB Rice Pty Ltd L 23 44 Market St Sydney NSW 2000 AU

2010

2010289600 **LZ Therapeutics, Inc.** An application to extend the time from 01 Sep 2018 to 01 Apr 2019 in which to pay a renewal fee has been filed . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2012

2012207035 **The Toro Company** An application to extend the time from 26 Jul 2017 to 26 Dec 2018 in which to pay a renewal fee has been filed . Address for service - Griffith Hack GPO Box 1285 MELBOURNE VIC 3001 AU

2013

2013240490 **United States Stove Company** An application to extend the time from 07 Mar 2018 to 07 Apr 2019 in which to pay the continu-

Extensions of Time, Section 223

ation fee has been filed . Address for service - Wrays L7 863 Hay St Perth WA 6000 AU

2014

2014291646 **Equiline S.r.l.** An application to extend the time from 02 May 2019 to 02 Sep 2019 in which to gain acceptance has been filed . Address for service - James & Wells Intellectual Property GPO Box 1301 CANBERRA ACT 2601 AU

2015

2015101317 **Elliot, J.J.** An application to extend the time from 17 Sep 2018 to 17 May 2019 in which to pay the renewal fee has been filed . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2016

2016100149 **Druitt, H.** An application to extend the time from 11 Feb 2018 to 11 May 2019 in which to pay the renewal fee has been filed . Address for service - Helen Patricia Druitt 1 Trafalgar St Brighton-le-Sands NSW 2216 AU

Applications Allowed - Section 223(2)

2003

2003246470 **Gonzaga Granja Filho, L.** The time in which to pay a renewal fee has been extended to 28 Dec 2018 . Address for service - AJ PARK Level 24, Tower 2, Darling Park 201 Sussex St Sydney NSW 2000 AU

2007

2007203529 **Cardiac Responder, Inc.** The time in which to pay a renewal fee has been extended to 27 Feb 2019 . Address for service - FPA Patent Attorneys Pty Ltd ANZ Tower 161 Castlereagh Street Sydney NSW 2000 AU

2007263131 **Nagravision S.A.** The time in which to pay a renewal fee has been extended to 05 Feb 2019 . Address for service - FPA Patent Attorneys Pty Ltd Level 43 101 Collins Street Melbourne VIC 3000 AU

2007263133 **Nagravision S.A.** The time in which to pay a renewal fee has been extended to 05 Feb 2019 . Address for service - FPA Patent Attorneys Pty Ltd Level 43 101 Collins Street Melbourne VIC 3000 AU

2011

2011282461 **Nabe Pty Ltd** The time in which to pay a renewal continuation fee has been extended to 18 Feb 2019 . Address for service - MINTER ELLISON Level 23, Rialto Towers 525 Collins Street Melbourne ACT 3000 AU

2013

2013100577 **LOUVRE SYSTEMS AUSTRALIA PTY LTD** The time in which to pay a renewal fee has been extended to 28 Jan 2019 . Address for service - LOUVRE SYSTEMS AUSTRALIA PTY LTD Po Box 2381 Redcliffe North QLD 4020 AU

2013278969 **PMDA Services Pty Ltd** The time in which to pay a renewal fee has been extended to 04 Jan 2019 . Address for service - Guilherme Scomarim 40 Murdoch Street Ermington NSW 2115 AU

Extensions of Time, Section 223

2014

2014246649 **McCallum, D.; Box, S.** The time in which to pay the renewal fee has been extended to 28 Nov 2018 . Address for service - SELINA BOX & DAVID A MCCALLUM PO BOX 86 Redbank QLD 4301 AU

2015

2015346099 **Eaton Intelligent Power Limited** The time in which to request Examination has been extended to 08 May 2019 . Address for service - Peter Maxwell & Associates PO Box R1466 Royal Exchange Sydney NSW 1225 AU

2016

2016210607 **INTEGRAL ANALYTICS, INC.** The time in which to pay a continuation fee has been extended to 14 Oct 2018 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2016269193 **Logital Co. Limited** The time in which to request examination has been extended to 18 Mar 2019 . Address for service - Marquette Intellectual Property PO Box 346 Fitzroy VIC 3065 AU

2018

2018282364 **Geron Corporation** The time in which to comply with a direction under Reg 3.2A has been extended to 20 Mar 2019 . Address for service - Catalyst Intellectual Property PO BOX Q1466 QUEEN VICTORIA BUILDING Sydney NSW 1230 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.

2010

2010281453 Blood coagulation protein conjugates **Baxalta GmbH ; Baxalta Incorporated** The nature of the amendment is as shown in the statement(s) filed 07 May 2019 . Address for service - Shelston IP Pty Ltd. L 9 60 Margaret St Sydney NSW 2000 AU

2013

2013248217 Propyzamide Formulations **Imtrade Australia Pty Ltd** The nature of the amendment is as shown in the statement(s) filed 18 Jan 2018 . Address for service - Spruson & Ferguson L 35 St Martins Tower 31 Market St SYDNEY NSW 2000 AU

2014

2014209028 Methods of improving tolerability, pharmacodynamics, and efficacy of b-alanine and use therefor **Ziegenfuss, T.; Lopez, H.** The nature of the amendment is as shown in the statement(s) filed 30 Apr 2019 . Address for service - Shelston IP Pty Ltd. L 9 60 Margaret St Sydney NSW 2000 AU

2014296130 Self-closing bag connector **Convatec Technologies Inc.** The nature of the amendment is as shown in the statement(s)

Amendments

filed 03 May 2019 . Address for service - Phillips Ormonde Fitzpatrick PO Box 323 Collins Street West VIC 8007 AU

2014334662 Method of operating and conditioning electrochemical cells comprising electrodeposited fuel **NantEnergy, Inc.** The nature of the amendment is as shown in the statement(s) filed 29 Apr 2019 . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

2014348752 Methods of preparing inhibitors of influenza viruses replication **Vertex Pharmaceuticals Incorporated** The nature of the amendment is as shown in the statement(s) filed 26 Apr 2019 . Address for service - Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

2015

2015210904 Macrocycles with hetrocyclic P2' groups as factor Xla inhibitors **Bristol-Myers Squibb Company** The nature of the amendment is as shown in the statement(s) filed 08 May 2019 . Address for service - AJ PARK Level 24, Tower 2, Darling Park 201 Sussex St Sydney NSW 2000 AU

2015234361 A CLADDING SHEET **BLUESCOPE STEEL LIMITED** The nature of the amendment is as shown in the statement(s) filed 09 Apr 2019 . Address for service - Griffith Hack GPO Box 1285 MELBOURNE VIC 3001 AU

2015273608 Compositions comprising electrohydrodynamically obtained fibres for administration of specific dosages of an active substance to skin or mucosa **Afyx Therapeutics A/S** The nature of the amendment is as shown in the statement(s) filed 07 May 2019 . Address for service - FB Rice Pty Ltd L 23 44 Market St Sydney NSW 2000 AU

2015279453 Herbicidal propynyl-phenyl compounds **Syngenta Participations AG** The nature of the amendment is as shown in the statement(s) filed 07 May 2019 . Address for service - Davies Collison Cave Pty Ltd Level 15 1 Nicholson Street MELBOURNE VIC 3000 AU

2016

2016369448 Hard multi-coat on optical article **Essilor International** The nature of the amendment is as shown in the statement(s) filed 03 May 2019 . Address for service - Watermark Intellectual Property Pty Ltd L 1 109 Burwood Rd Hawthorn VIC 3122 AU

2017

2017101070 A Software based Safety; Security solution capable of integrating with Hardware devices, Enterprise Command; Control System and other IoT devices. The system provides the ability to help Individuals (users) establish communication with their Emergency Contacts in the event of distress, provides field security to users, informs user's contacts of their well being through automatic message, integration with social media for safety notifications and back-end console with minimal human intervention. The system provides IT/OT convergence creating integrated network of devices via ReachICE system. **Teknology Labs** The nature of the amendment is: Amend the name of the inventor to read Rajani, Kazim Raza . Address for service - Teknology Labs 1 Swallowtail Pde. WA WARNBRO WA 6169 AU

2017200429 Consensus/Ancestral Immunogens **University of Alabama at Birmingham Research Foundation ; Duke University ; The Regents of the University of California** The nature of the amendment is: Amend the name of the applicant to read University of Alabama at Birmingham Research Foundation; Duke University and Tri-

Amendments

ad National Security, LLC . Address for service - Spruson & Ferguson
GPO Box 3898 Sydney NSW 2001 AU

2017201891 Air-conditioning apparatus **Mitsubishi Electric Corporation** The nature of the amendment is as shown in the statement(s) filed 07 May 2019 . Address for service - FPA Patent Attorneys Pty Ltd ANZ Tower 161 Castlereagh Street Sydney NSW 2000 AU

2017272232 TREATMENT OF BRAIN CANCER **Array BioPharma Inc.** The nature of the amendment is as shown in the statement(s) filed 25 Apr 2019 . Address for service - Pizeys Patent and Trade Mark Attorneys Pty Ltd GPO Box 1374 BRISBANE QLD 4001 AU

2018

2018101461 Double shear weld joint for electronic enclosures **Apple Inc.** The nature of the amendment is: Amend the priority details to read 62/678,692 31 May 2018 US and 62/763,139 10 Sep 2018 US . Address for service - FPA Patent Attorneys Pty Ltd ANZ Tower 161 Castlereagh Street Sydney NSW 2000 AU

2019

2019100273 BinWin is a modern-day waste collection technology enabling councils and waste management authorities to manage waste effectively. The framework consists of IoT, AI, mobile & web applications integrated to monitor, track, and plan. The bins ensure eco-friendliness by keeping a constant check on fill levels enabling waste collection on a needs basis preventing over-flow, maintaining a hygienic environment using solar self-charging capability. BinWin promises to increase operational efficiencies in the waste collection chain, reducing cost and labour associated with rubbish collection & removal. **DATA ONE TECHNOLOGIES PTY LTD** The nature of the amendment is: Amend the name of the inventor to read Rajani, Kazim Raza . Address for service - DATA ONE TECHNOLOGIES PTY LTD 1 Swallowtail Pde. Wambro WA 6169 AU

Amendments Made

2005

2005218018 **Trail, M.** The nature of the amendment is as shown in the statement(s) filed 16 Jan 2019

2011

2011289543 **Cirius Therapeutics, Inc.** The nature of the amendment is as shown in the statement(s) filed 29 Jan 2019

2013

2013270469 **Mundipharma Pty Limited** The nature of the amendment is as shown in the statement(s) filed 21 Jan 2019

2014

2014280326 **Blue Solutions** The nature of the amendment is as shown in the statement filed 04 Jan 2019

2014281415 **Step Ahead Innovations Inc.** The nature of the amendment is as shown in the statement(s) filed 07 Feb 2019

2015

2015210453 **Mundipharma Pty Limited** The nature of the amendment is as shown in the statement(s) filed 21 Jan 2019

Amendments

2015226979 **Quanta Associates, L.P.** The nature of the amendment is: Amend the name of the inventor to read Gluskin, Mark A.; Quackenbush, Karl; Baker, Jr., James M.; Harrison, Rick; Specht, Jr., Edward and Kelly, Brian

2015275869 **BAE SYSTEMS plc** The nature of the amendment is: Amend the invention title to read Improved weld procedures and weld procedure approval test

2015306137 **National University of Ireland, Galway** The nature of the amendment is as shown in the statement filed 08 May 2019

2016

2016243669 **William Marsh Rice University** The nature of the amendment is: Amend the name of the inventor to read Gonzales, Ramon; Clomburg, James and Chou, Alexander

2016303622 **Regents of The University of Minnesota; The University of North Carolina at Chapel Hill; Albert-Ludwigs-Universitaet Freiburg; St. Jude Children's Research Hospital, Inc.; Blazar, B.; Koehn, B.; Murray, P.; Ting, J.; Zeiser, R.; Miller, J.** The nature of the amendment is: Amend the invention title to read MODULATING INFLAMMASOME ACTIVATION OF MYELOID-DERIVED SUPPRESSOR CELLS FOR TREATING GVHD OR TUMOR

2016338691 **Wisconsin Alumni Research Foundation** The nature of the amendment is: Amend the name of the inventor to read Li, Lingjun; Frost, Dustin and Buchberger JONES, Amanda

2016424413 **Huawei Technologies Co., Ltd.** The nature of the amendment is: Amend the invention title to read DATA TRANSMISSION METHOD, DEVICE, AND SYSTEM

2017

2017201018 **Oren Technologies, LLC** The nature of the amendment is: Amend the invention title to read SYSTEM OF DELIVERING AND STORING PROPPANT FOR USE AT A WELL SITE AND CONTAINER FOR SUCH PROPPANT

2017201415 **Janssen Pharmaceutica NV** The nature of the amendment is as shown in the statement(s) filed 08 Jan 2019

2017257981 **ServiceNow, Inc.** The nature of the amendment is as shown in the statement(s) filed 14 Dec 2018

2017272136 **Joy Global Surface Mining Inc** The nature of the amendment is: Amend the name of the inventor to read HREN, William J. and PEDRETTI, Ethan

2017298020 **Petróleo Brasileiro S.A. - Petrobras; Universidade Federal do Rio de Janeiro - UFRJ** The nature of the amendment is: Amend the name of the inventor to read Cavalcanti Nunes, Giovanni; Weschenfelder, Silvio Edegar; Monteiro Sambade, Joyce and Piacsek Borges, Cristiano

2017325041 **Shenkar Engineering Design Art** The nature of the amendment is: Amend the name of the inventor to read Lewitus, Dan and Shpigel Shtauber, Tal

Amendments

2017330323 **Campbell, R.; David, G.** The nature of the amendment is: Amend the name of the inventor to read Campbell, Richard V. and Gladwin, David

2017337372 **Daikin Industries, Ltd.** The nature of the amendment is: Amend the invention title to read Refrigerant-amount determining method and refrigerant-amount determining device

2017338192 **Daikin Industries, Ltd.** The nature of the amendment is: Amend the invention title to read Air conditioner apparatus

2017338197 **Daikin Industries, Ltd.** The nature of the amendment is: Amend the invention title to read Air conditioner

2017339984 **Genomictree, Inc.** The nature of the amendment is: Amend the invention title to read Method for multiplex detection of methylated DNA

2017341663 **Enzychem Lifesciences Corporation** The nature of the amendment is: Amend the name of the inventor to read Sohn, Ki Young and Yoon, Sun Young

2017342054 **Tyco Fire & Security GmbH** The nature of the amendment is: Amend the name of the inventor to read Penney, Stephen

2017346012 **Kuraray Noritake Dental Inc.** The nature of the amendment is: Amend the invention title to read Multi-part dental cement

2017346183 **Enzychem Lifesciences Corporation** The nature of the amendment is: Amend the name of the inventor to read Sohn, Ki Young; Yoon, Sun Young and Lee, Ha Reum

2017348744 **Koki Holdings Co., Ltd.** The nature of the amendment is: Amend the invention title to read BATTERY PACK, ELECTRIC APPLIANCE USING BATTERY PACK, AND ELECTRIC APPLIANCE SYSTEM

2017350612 **Kabushiki Kaisha Kobe Seiko Sho (Kobe Steel, Ltd.)** The nature of the amendment is: Amend the invention title to read Isostatic pressuring device and isostatic pressuring method using isostatic pressuring device

2017352158 **Huawei Technologies Co., Ltd.** The nature of the amendment is: Amend the invention title to read ENCODING AND DECODING METHOD AND DEVICE

2017354687 **Asahi Kasei Medical Co., Ltd.** The nature of the amendment is: Amend the invention title to read Porous membrane and method for manufacturing porous membrane

2017365566 **Honda Motor Co., Ltd.** The nature of the amendment is: Amend the invention title to read Power Equipment

2018

2018200470 **Limited Liability Company "Konsortium-Pik"** The nature of the amendment is: Amend the name of the inventor to read Bykov, Vladimir N kolaevich; Nikiforov, Aleksandr Sergeevich and Kim, Galina Aleksandrovna

Amendments

2018204062 **H J Fischer LLC** The nature of the amendment is: Amend the name of the inventor to read FISCHER, Herbert J.

2018278618 **China University of Mining and Technology; Xuzhou Zhirun Mining Equipment Science And Technology Co., Ltd** The nature of the amendment is: Amend the invention title to read SHEARER ABSOLUTE POSE DETECTION METHOD

2018289881 **China University of Mining and Technology; Xuzhou Zhirun Mining Equipment Science and Technology Co., Ltd** The nature of the amendment is: Amend the invention title to read

2018296041 **China University of Mining and Technology; Xuzhou Zhirun Mining Equipment Science And Technology Co., Ltd** The nature of the amendment is: Amend the invention title to read AUTOMATIC SHEARER HEIGHT ADJUSTMENT APPARATUS BASED ON ADVANCED DETECTION OF SHEARER SEISMIC SOURCE AND METHOD THEREFOR

2019

2019201250 **Edge Electrons Limited** The nature of the amendment is: Application is to proceed under the number 2019100517

2019202087 **Marchesi, N.** The nature of the amendment is: Application is to proceed under the number 2019100506

Alteration of Name(s) of Applicant(s)/Patentee(s)**2000**

2000033957 **Cryovac, Inc.** The name of the patentee has been altered to **Cryovac, LLC**

2001

2001268203 **Cryovac, Inc.** The name of the patentee has been altered to **Cryovac, LLC**

2001294078 **Cryovac, Inc.** The name of the patentee has been altered to **Cryovac, LLC**

2002

2002301108 **Cryovac, Inc.** The name of the patentee has been altered to **Cryovac, LLC**

2002345539 **Cryovac, Inc.** The name of the patentee has been altered to **Cryovac, LLC**

2002363417 **Cryovac, Inc.** The name of the patentee has been altered to **Cryovac, LLC**

2003

2003202990 **Cryovac, Inc.** The name of the patentee has been altered to **Cryovac, LLC**

Amendments

2003236479 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2003249619 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2003268858 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2003275995 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2003279976 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2003300913 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2004

2004217906 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2004261401 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2004270650 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2004270651 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2004276227 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2005

2005201863 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2005202760 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2005267550 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2006

2006215863 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2006222356 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2006230643 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2006259635 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

Amendments

2006276211 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2006315273 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2007

2007200812 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2007202193 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2007214582 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2007243424 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2007267376 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2007339251 POWELL TECHNOLOGIES LLC (A MICHIGAN LIMITED LIABILITY COMPANY) The name of the patentee has been altered to **POWELL FABRICATION & MANUFACTURING LLC**

2008

2008207514 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2008211213 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2008254421 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2008276622 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2008277996 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2008280173 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2008293811 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2008296686 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2008296769 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2009

2009204506 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

Amendments

2009251801 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2009292100 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2009300410 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2009316512 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2010

2010219426 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2010221451 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2010266103 JDP Therapeutics, Inc. The name of the patentee has been altered to **JDP Therapeutics LLC**

2010277579 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2010282811 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2010282820 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2010282895 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2010311486 Astra Door Controls Limited The name of the patentee has been altered to **Galeid Ltd**

2010322258 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2010322259 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2010341609 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2011

2011293827 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2011340644 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2011360186 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2011381555 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

Amendments

2012

2012211147 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2012232901 RockWash Prep and Store Limited The name of the patentee has been altered to **Rockwash Geodata Ltd**

2012234463 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2012260839 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2012272505 Haag-Streit Medtech AG The name of the patentee has been altered to **Arctos Medical AG**

2012322857 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2012359059 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2013

2013218107 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2013221736 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2013221766 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2013221768 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2013251239 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2013259556 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2013333921 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2014

2014200194 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2014253214 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2014253580 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2014264668 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

Amendments

2014267311 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2014268746 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2014290449 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2014295055 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2014341952 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2014354845 PlusN LLC The name of the applicant has been altered to **PlusN, LLC**

2014364722 Cryovac, Inc. The name of the applicant has been altered to **Cryovac, LLC**

2015

2015100019 Permapipe Pty Ltd The name of the patentee has been altered to **Permapipe Australia Pty Ltd**

2015200075 Permapipe Pty Ltd The name of the applicant has been altered to **Permapipe Australia Pty Ltd**

2015206003 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2015217755 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

2015218936 Snowflake Computing Inc. The name of the applicant has been altered to **Snowflake Inc.**

2015219101 Snowflake Computing Inc. The name of the applicant has been altered to **Snowflake Inc.**

2015219103 Snowflake Computing Inc. The name of the applicant has been altered to **Snowflake Inc.**

2015219105 Snowflake Computing Inc. The name of the applicant has been altered to **Snowflake Inc.**

2015219106 Snowflake Computing Inc. The name of the applicant has been altered to **Snowflake Inc.**

2015219112 Snowflake Computing Inc. The name of the applicant has been altered to **Snowflake Inc.**

2015219117 Snowflake Computing Inc. The name of the applicant has been altered to **Snowflake Inc.**

2015265861 Cryovac, Inc. The name of the patentee has been altered to **Cryovac, LLC**

Amendments

2015273608 Dermtreat ApS The name of the applicant has been altered to **Afyx Therapeutics A/S**

2015274939 Cryovac, Inc. The name of the applicant has been altered to **Cryovac, LLC**

2015298204 Cryovac, Inc. The name of the applicant has been altered to **Cryovac, LLC**

2015329971 Cryovac, Inc. The name of the applicant has been altered to **Cryovac, LLC**

2015329972 Cryovac, Inc. The name of the applicant has been altered to **Cryovac, LLC**

2015352512 Cryovac, Inc. The name of the applicant has been altered to **Cryovac, LLC**

2016

2016213907 Cryovac, Inc. The name of the applicant has been altered to **Cryovac, LLC.**

2016256231 Cryovac, Inc. The name of the applicant has been altered to **Cryovac, LLC**

2016262409 Cryovac, Inc. The name of the applicant has been altered to **Cryovac, LLC**

2016270276 Cryovac, Inc. The name of the applicant has been altered to **Cryovac, LLC.**

2016276400 Cryovac, Inc. The name of the applicant has been altered to **Cryovac, LLC**

2016326418 Cryovac, Inc. The name of the applicant has been altered to **Cryovac, LLC.**

2016353469 Cryovac, Inc. The name of the applicant has been altered to **Cryovac, LLC**

2016358266 Dermtreat ApS The name of the patentee has been altered to **Afyx Therapeutics A/S**

2016362673 Dishman Pharmaceuticals and Chemicals Limited The name of the applicant has been altered to **Dishman Carbogen Amcis Limited**

2016362753 Dishman Pharmaceuticals and Chemicals Limited The name of the applicant has been altered to **Dishman Carbogen Amcis Limited**

2016363608 Cryovac, Inc. The name of the applicant has been altered to **Cryovac, LLC**

2016429418 Viacyte, Inc. The name of the applicant has been altered to **ViaCyte, Inc.**

Amendments

2017

- 2017201410 Cryovac, Inc The name of the patentee has been altered to **Cryovac, LLC**
- 2017208376 Cryovac, Inc The name of the applicant has been altered to **Cryovac, LLC**
- 2017219123 Nippon Steel & Sumikin Welding Co.,Ltd. The name of the applicant has been altered to **Nippon Steel Welding & Engineering Co., Ltd.**
- 2017224048 Cryovac, Inc The name of the applicant has been altered to **Cryovac, LLC**
- 2017227087 Cryovac, Inc. The name of the applicant has been altered to **Cryovac, LLC**
- 2017228016 Cryovac, Inc The name of the applicant has been altered to **Cryovac, LLC**
- 2017230851 Cryovac, Inc. The name of the applicant has been altered to **Cryovac, LLC**
- 2017230856 Cryovac, Inc The name of the applicant has been altered to **Cryovac, LLC**
- 2017236880 Snowflake Computing Inc. The name of the applicant has been altered to **Snowflake Inc.**
- 2017241748 Cryovac, Inc The name of the applicant has been altered to **Cryovac, LLC**
- 2017245625 Cryovac, Inc The name of the applicant has been altered to **Cryovac, LLC**
- 2017248471 Cryovac, Inc The name of the applicant has been altered to **Cryovac, LLC**
- 2017249334 Cryovac, Inc The name of the applicant has been altered to **Cryovac, LLC**
- 2017258659 Snowflake Computing Inc. The name of the applicant has been altered to **Snowflake Inc.**
- 2017258887 Cryovac, Inc The name of the patentee has been altered to **Cryovac, LLC**
- 2017258932 Cryovac, Inc The name of the patentee has been altered to **Cryovac, LLC**
- 2017259104 T & A Pharma Pty Limited The name of the patentee has been altered to **TA Pharma Pty Ltd**
- 2017261857 Vineland Research and Innovations Centre Inc. The name of the applicant has been altered to **Vineland Research and Innovations Centre**
- 2017274448 Snowflake Computing Inc. The name of the applicant has been altered to **Snowflake Inc.**

Amendments

- 2017298020 Petróleo Brasileiro S.A. - Petrobras; Universidade Federal do Rio de Janeiro - UFRJ; Piacsek Borges, Cristiano; Cavalcanti Nunes, Giovanni; Edegar Weschenfelder, Silvio; Monteiro Sambade, Joyce The name of the applicant has been altered to **Petróleo Brasileiro S.A. - Petrobras; Universidade Federal do Rio de Janeiro - UFRJ**
- 2017306504 Korea Advanced Institute of Science and Technology; Saudi Aramco The name of the applicant has been altered to **Korea Advanced Institute of Science and Technology; Saudi Arabian Oil Company**
- 2017321966 Snowflake Computing Inc. The name of the applicant has been altered to **Snowflake Inc.**
- 2017331252 Health Equity Labs The name of the applicant has been altered to **HI.Q, Inc.**
- 2017342437 Cryovac, Inc The name of the applicant has been altered to **Cryovac, LLC**
- 2017346850 Cryovac, Inc The name of the applicant has been altered to **Cryovac, LLC**
- 2017349493 Solids Experts AS The name of the applicant has been altered to **Solids.Experts AS**
- 2017349542 Krosakiharima Corporation; Nippon Steel Corporation The name of the applicant has been altered to **Nippon Steel Corporation**
- 2017350881 Kathleen Sullivan The name of the applicant has been altered to **Prym Consumer USA Inc.**
- 2017355438 EDGE Surgical, Inc. The name of the applicant has been altered to **EDGE Surgical, Inc.**
- 2018**
- 2018220020 Dermtreat APS The name of the applicant has been altered to **Afyx Therapeutics A/S**
- 2019**
- 2019201447 Insitu, Inc. The name of the applicant has been altered to **Insitu, Inc. (a Subsidiary of the Boeing Company)**
- 2019201944 Aristocrat Technologies Australia Pty Limited The name of the applicant has been altered to **Aristocrat Technologies Australia Pty Limited**
- 2019901466 Attard Engineering The name of the applicant has been altered to **Liu, Y.**
- Notice of Intention to Amend under Section 105 pursuant to the Federal Court Rules**
- Australian Patent/Patent Application 2011268899 in the name(s) of Intervet International B.V.

Amendments

Australian Patent/Patent Application 2012220990 in the name(s) of
Nalco Company

Applications Open to Public Inspection

Name Index

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

<p>(71) 8 Rivers Capital, LLC (11) AU-A-2019203032 (21) 2019203032 (22) 30.04.2019 (54) Control systems and methods suitable for use with power production systems and methods (51) Int. Cl. <i>F02C 9/00</i> (2006.01) <i>F02C 9/24</i> (2006.01) <i>F02C 9/26</i> (2006.01) <i>F02C 9/28</i> (2006.01) (43) 23.05.2019 (62) 2015346433 (72) FETVEDT, Jeremy Eron; ALLAM, Rodney John (74) Spruson & Ferguson</p>	<p><i>A61K 31/568</i> (2006.01) <i>A61K 47/34</i> (2006.01) <i>A61K 47/44</i> (2006.01) <i>A61P 5/26</i> (2006.01) (43) 23.05.2019 (62) 2017204182 (72) Kreppner, Wayne; Fogarty, Siobban; Oberegger, Werner; Maes, Paul José Pierre Marie (74) Pizzzeys Patent and Trade Mark Attorneys Pty Ltd</p>	<p>(21) 2019202997 (22) 29.04.2019 (54) FUEL ADDITIVE MIXTURES AND FUELS CONTAINING THEM (51) Int. Cl. <i>C10L 1/222</i> (2006.01) <i>C10L 1/224</i> (2006.01) <i>C10L 10/00</i> (2006.01) (43) 23.05.2019 (62) 2018286578 (72) NUCKOLS, Michel; SHANAHAN, Charles; CULLEY, Scott A; YAVARI, Kielhann; VAN HECKE, Lieven (74) Davies Collison Cave Pty Ltd</p>
<p>(71) Accenture Global Solutions Limited (11) AU-A-2018260853 (21) 2018260853 (22) 07.11.2018 (54) CUSTOMIZED VIRTUAL REALITY LEARNING ENVIRONMENT (51) Int. Cl. <i>G06F 17/00</i> (2006.01) (31) 15/808,392 (32) 09.11.17 (33) US (43) 23.05.2019 (72) GHATAGE, Prakash; SAMPAT, Nirav; VISWANATHAN, Kumar; VARGHESE, Vinu; RAJAVELU BALACHANDAR, Santhosh Kumar (74) Murray Trento & Associates Pty Ltd</p>	<p>(71) Adobe Inc. (11) AU-A-2018220141 (21) 2018220141 (22) 24.08.2018 (54) MAPPING VIRTUAL AND PHYSICAL INTERACTIONS (51) Int. Cl. <i>G06T 19/00</i> (2011.01) <i>G06T 7/32</i> (2017.01) (31) 15/934,000 (32) 23.03.18 (33) US 62/581,604 03.11.17 US (43) 23.05.2019 (72) Asente, Paul; Lu, Jingwan; Sun, Qi; Wei, Li-Yi (74) Pizzzeys Patent and Trade Mark Attorneys Pty Ltd</p>	<p>(71) Allergan, Inc. (11) AU-A-2019203051 (21) 2019203051 (22) 30.04.2019 (54) Suspensions of cyclosporin A Form 2 (51) Int. Cl. <i>A61K 9/00</i> (2006.01) (43) 23.05.2019 (62) 2017235927 (72) Gore, Anuradha V.; Mohanty, Prem Swaroop; Farnes, E. Quinn (74) Davies Collison Cave Pty Ltd</p>
<p>(71) Accenture Global Solutions Limited (11) AU-A-2018260876 (21) 2018260876 (22) 07.11.2018 (54) REAL-TIME DATA INPUT CORRECTION AND FACILITATION OF DATA ENTRY AT POINT OF INPUT (51) Int. Cl. <i>G06Q 40/02</i> (2012.01) (31) 15/808,424 (32) 09.11.17 (33) US (43) 23.05.2019 (72) MIRANDA, Abhilash; JUBETE, Laura Alvarez; ANTONINO, Victor Oliveira; YU, Yaxuan; BURGIN, Edward; KAILA, Gaurav; MAMMAS, Konstantinos (74) Murray Trento & Associates Pty Ltd</p>	<p>(71) AEL Mining Services Limited (11) AU-A-2018220056 (21) 2018220056 (22) 22.08.2018 (54) PUMP DATA SYSTEM (51) Int. Cl. <i>F04B 15/02</i> (2006.01) <i>F04B 49/06</i> (2006.01) <i>F42D 1/10</i> (2006.01) (31) 2017/07585 (32) 09.11.17 (33) ZA (43) 23.05.2019 (72) Pienaar, Andre; Wilson, Laurence Justin Pienaar; Kelly, Cheryl Lynn; Van Soelen, Schagen Diederik (74) Madderns Pty Ltd</p>	<p>(71) Allergan, Inc. (11) AU-A-2019203069 (21) 2019203069 (22) 01.05.2019 (54) Two part formulation system for ophthalmic delivery (51) Int. Cl. <i>A61K 9/00</i> (2006.01) <i>A61J 1/00</i> (2006.01) <i>A61K 47/34</i> (2006.01) <i>B65D 81/32</i> (2006.01) (43) 23.05.2019 (62) 2017251720 (72) Gore, Anuradha V.; Shankar, Sai; Likitlersuang, Sukhon; Pujara, Chetan P.; Neervannan, Sessa (74) Davies Collison Cave Pty Ltd</p>
<p>(71) Acerus Pharmaceuticals SRL (11) AU-A-2019203067 (21) 2019203067 (22) 30.04.2019 (54) CONTROLLED RELEASE NASAL TESTOSTERONE GELS, METHODS AND PRE-FILLED MULTI-DOSE APPLICATOR SYSTEMS FOR PERNASAL ADMINISTRATION (51) Int. Cl. <i>A61K 9/00</i> (2006.01) <i>A61K 9/06</i> (2006.01)</p>	<p>(71) Afinity Europe Technologies Limited (11) AU-A-2018305146 (21) 2018305146 (22) 18.07.2018 (54) Techniques for benchmarking pairing strategies in a task assignment system (51) Int. Cl. <i>H04M 3/523</i> (2006.01) (31) 15/807,215 (32) 08.11.17 (33) US 15/807,227 08.11.17 US (43) 23.05.2019 (72) Chishti, Zia; Hudson, David Zachary; Davis, Phil; Merchant, Akbar A.; Kan, It-tai (74) AJ PARK</p>	<p>(71) Altech Chemicals Australia Pty Ltd (11) AU-A-2019202993 (21) 2019202993 (22) 29.04.2019 (54) A Method for the Preparation of Smelter Grade Alumina (51) Int. Cl. <i>C01F 7/38</i> (2006.01) <i>C01F 7/02</i> (2006.01) <i>C22B 3/04</i> (2006.01) <i>C22B 21/00</i> (2006.01) (43) 23.05.2019 (62) 2018233001 (72) Liu, Jingyuan; Tan, Ignatius Kim Seng (74) WRAYS PTY LTD</p>
<p>(71) Afton Chemical Corporation (11) AU-A-2019202997</p>	<p>(71) Afton Chemical Corporation (11) AU-A-2019202997</p>	<p>(71) Afton Chemical Corporation (11) AU-A-2019202997</p>

Applications Open to Public Inspection - Name Index cont'd

- (71) Aristocrat Technologies Australia Pty Limited
 (11) AU-A-2019203011
 (21) 2019203011 (22) 30.04.2019
 (54) Gaming machine and gaming process including further game symbols
 (51) Int. Cl.
A63F 13/52 (2014.01)
 (43) 23.05.2019
 (62) 2017202296
 (72) NGUYEN, Hung Ngoc
 (74) Griffith Hack
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- (71) Aristocrat Technologies Australia Pty Limited
 (11) AU-A-2019203073
 (21) 2019203073 (22) 01.05.2019
 (54) GAMING APPARATUS AND METHOD WITH A DEPENDENT GAME FEATURE
 (51) Int. Cl.
G07F 17/34 (2006.01)
 (43) 23.05.2019
 (62) 2017203898
 (72) MORONEY, Jennifer Lorna; STEVENS, Christopher Michael
 (74) Griffith Hack
-
- (71) Aristocrat Technologies Australia Pty Limited
 (11) AU-A-2019203089
 (21) 2019203089 (22) 01.05.2019
 (54) AN ELECTRONIC METHOD OF PROVIDING AN ADDITIONAL PLAYER REWARD AND A GAMING SYSTEM
 (51) Int. Cl.
A63F 13/48 (2014.01)
A63F 13/46 (2014.01)
 (43) 23.05.2019
 (62) 2017201559
 (72) PATTA, Julius
 (74) Griffith Hack
-
- (71) ArvinMeritor Technology, LLC
 (11) AU-A-2018211250
 (21) 2018211250 (22) 01.08.2018
 (54) Drivetrain assembly having a shift mechanism
 (51) Int. Cl.
F16H 63/18 (2006.01)
B60K 17/344 (2006.01)
F16H 63/38 (2006.01)
 (31) 15/802,537 (32) 03.11.17 (33) US
 (43) 23.05.2019
 (72) Sinka, Aaron; Starna, Matthew; Jones, Matthew; Khoryshev, Aleksey
 (74) Davies Collison Cave Pty Ltd
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 (11) AU-A-2019203083
 (21) 2019203083 (22) 01.05.2019
 (54) Surfactant-stabilized cyclohexanedioxide oxime formulations
 (51) Int. Cl.
A01N 25/02 (2006.01)
A01N 35/10 (2006.01)
A01P 13/00 (2006.01)
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- (71) ASCEM B.V.
 (11) AU-A-2019202929
 (21) 2019202929 (22) 26.04.2019
 (54) Cement compound and a method for the production thereof
 (51) Int. Cl.
C04B 7/24 (2006.01)
C04B 7/153 (2006.01)
C04B 12/00 (2006.01)
C04B 28/00 (2006.01)
 (43) 23.05.2019
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 (74) AJ PARK
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- (71) Battelle Memorial Institute
 (11) AU-A-2019203114
 (21) 2019203114 (22) 02.05.2019
 (54) Method and apparatus for ion mobility separations utilizing alternating current waveforms
 (51) Int. Cl.
G01N 27/62 (2006.01)
H01J 49/06 (2006.01)
 (43) 23.05.2019
 (62) 2016335524
 (72) Garimella, Venkata B.S.; Hamid, Ahmed M.; Ibrahim, Yehia M.; Smith, Richard D.
 (74) Spruson & Ferguson
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- (71) Bayer Intellectual Property GmbH
 (11) AU-A-2019203000
 (21) 2019203000 (22) 30.04.2019
 (54) Use of aryl and hetaryl carboxamides as endoparasitocides
 (51) Int. Cl.
A61K 31/166 (2006.01)
A61K 31/18 (2006.01)
A61K 31/341 (2006.01)
A61K 31/381 (2006.01)
A61K 31/425 (2006.01)
A61K 31/4402 (2006.01)
A61K 31/4406 (2006.01)
A61K 31/443 (2006.01)
A61K 31/4436 (2006.01)
A61K 31/4439 (2006.01)
A61P 33/00 (2006.01)
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 (74) Davies Collison Cave Pty Ltd
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 (21) 2018236736 (22) 25.09.2018
 (54) Multi-element alloy compound, ink and film absorption layer thereof, and methods for preparing the same
 (51) Int. Cl.
C23C 14/14 (2006.01)
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 (31) 201711079613.9 (32) 06.11.17 (33) CN
 (43) 23.05.2019
 (72) Chen, Teng
 (74) Davies Collison Cave Pty Ltd
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- (71) Binder Beteiligungs AG
 (11) AU-A-2018253631
 (21) 2018253631 (22) 26.10.2018
 (54) Method of manufacturing wall elements for buildings
 (51) Int. Cl.
E04B 2/70 (2006.01)
B32B 21/04 (2006.01)
E04C 2/12 (2006.01)
 (31) 102017125829.9 (32) 06.11.17 (33) DE
 (43) 23.05.2019
 (72) BINDER, Mattheo Johannes
 (74) FB Rice Pty Ltd
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 (11) AU-A-2018256577
 (21) 2018256577 (22) 31.10.2018
 (54) Module for use in the erection of buildings in modular construction
 (51) Int. Cl.
E04B 1/348 (2006.01)
E04H 1/00 (2006.01)
 (31) 102017125886.8 (32) 06.11.17 (33) DE
 (43) 23.05.2019
 (72) BINDER, Mattheo Johannes
 (74) FB Rice Pty Ltd
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- (71) BioAtla LLC
 (11) AU-A-2019203048
 (21) 2019203048 (22) 30.04.2019
 (54) Express humanization of ant bodies
 (51) Int. Cl.
C07K 16/18 (2006.01)
C12N 15/09 (2006.01)
C12N 15/10 (2006.01)
C12N 15/12 (2006.01)
C12N 15/63 (2006.01)
C12P 21/08 (2006.01)
 (43) 23.05.2019
 (62) 2018200318
 (72) Short, Jay M.
 (74) Allens Patent & Trade Mark Attorneys
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A61B 34/00 (2016.01)
A61B 17/00 (2006.01)

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(74) Spruson & Ferguson

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(21) 2019203028 **(22)** 30.04.2019
(54) Power tool system
(51) Int. Cl.
H02J 7/02 (2006.01)
(43) 23.05.2019
(62) 2015264428
(72) WHITE, Daniel J.; VELDERMAN, Matthew J.; VARIPATIS, Michael; VANKO, John C.; SEMAN, Andrew E.; ROBERTS, Michael; OSBORNE, Nathan J.; KLEE, Ryan; IRUNGU, Alfred M.; GOTTESMAN, Tal; GORTI, Bhanuprasad; GLIDE, Philip; GARIBALDI, Nicholas J.; FRIEDMAN, Brian E.; FORSTER, Michael K.; COX, John D.; FITZGERALD, Daniel P
(74) Davies Collison Cave Pty Ltd

(71) Black & Decker Inc.
(11) AU-A-2019203033
(21) 2019203033 **(22)** 30.04.2019
(54) Power tool system
(51) Int. Cl.
H02J 7/02 (2006.01)
(43) 23.05.2019
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(72) WHITE, Daniel J.; VELDERMAN, Matthew J.; VARIPATIS, Michael; VANKO, John C.; SEMAN, Andrew E.; ROBERTS, Michael; OSBORNE, Nathan J.; KLEE, Ryan; IRUNGU, Alfred M.; GOTTESMAN, Tal; GORTI, Bhanuprasad; GILDE, Philip; GARIBALDI, Nicholas J.; FRIEDMAN, Brian E.; FORSTER, Michael K.; COX, John D.; FITZGERALD, Daniel P
(74) Davies Collison Cave Pty Ltd

(71) Black & Decker Inc.
(11) AU-A-2019203037
(21) 2019203037 **(22)** 30.04.2019
(54) Power tool system
(51) Int. Cl.
H02J 7/02 (2006.01)
(43) 23.05.2019
(62) 2015264428
(72) WHITE, Daniel J.; VELDERMAN, Matthew J.; VARIPATIS, Michael; VANKO, John C.; SEMAN, Andrew E.; ROBERTS, Michael; OSBORNE, Nathan J.; KLEE, Ryan; IRUNGU, Alfred M.; GOTTESMAN, Tal; GORTI, Bhanuprasad; GILDE, Philip; GARIBALDI, Nicholas J.; FRIEDMAN,

Brian E.; FORSTER, Michael K.; COX, John D.; FITZGERALD, Daniel P
(74) Davies Collison Cave Pty Ltd

(71) Black & Decker Inc.
(11) AU-A-2019203039
(21) 2019203039 **(22)** 30.04.2019
(54) Power tool system
(51) Int. Cl.
H02J 7/02 (2006.01)
(43) 23.05.2019
(62) 2015264428
(72) WHITE, Daniel J.; VELDERMAN, Matthew J.; VARIPATIS, Michael; VANKO, John C.; SEMAN, Andrew E.; ROBERTS, Michael; OSBORNE, Nathan J.; KLEE, Ryan; IRUNGU, Alfred M.; GOTTESMAN, Tal; GORTI, Bhanuprasad; GILDE, Philip; GARIBALDI, Nicholas J.; FRIEDMAN, Brian E.; FORSTER, Michael K.; COX, John D.; FITZGERALD, Daniel P.
(74) Davies Collison Cave Pty Ltd

(71) Blackout Technologies Group Ltd
(11) AU-A-2017261545
(21) 2017261545 **(22)** 15.11.2017
(54) Blocking functionality on a smart device
(51) Int. Cl.
H04W 4/02 (2009.01)
(31) 15/802,583 **(32)** 03.11.17 **(33)** US
(43) 23.05.2019
(72) WATSON, Charles; HADLEY, Mark; ASTLE, Michael David
(74) Griffith Hack

(71) Boehringer Ingelheim International GmbH
(11) AU-A-2019203027
(21) 2019203027 **(22)** 30.04.2019
(54) Compounds as modulators of ROR gamma
(51) Int. Cl.
C07D 475/10 (2006.01)
A61K 31/33 (2006.01)
(43) 23.05.2019
(62) 2015247983
(72) BAKONYI, Johanna; BRUNETTE, Steven Richard; COLLIN, Delphine; HUGHES, Robert Owen; LI, Xiang; LIANG, Shuang; SIBLEY, Robert; TURNER, Michael Robert; WU, Lifan; ZHANG, Qiang
(74) Spruson & Ferguson

(71) Bovell, C.
(11) AU-A-2019203109
(21) 2019203109 **(22)** 02.05.2019
(54) Fire-retardant mattress and method of manufacture thereof
(51) Int. Cl.
C09K 21/14 (2006.01)
A47C 27/14 (2006.01)
A47C 27/22 (2006.01)
A47C 31/00 (2006.01)
B32B 5/18 (2006.01)
B32B 25/20 (2006.01)

C08K 5/521 (2006.01)
C09K 21/12 (2006.01)
(43) 23.05.2019
(62) 2017203314
(72) Bovell, Christopher Mervyn
(74) Spruson & Ferguson

(71) Britax Childcare Pty Ltd
(11) AU-A-2019203031
(21) 2019203031 **(22)** 30.04.2019
(54) LIGHT WEIGHT BOOSTER SEAT IMPROVEMENTS
(51) Int. Cl.
B60N 2/28 (2006.01)
B60N 2/26 (2006.01)
(43) 23.05.2019
(62) 2014202615
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(74) Madderns Pty Ltd

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(54) MULTI-POSITION ANTI-REBOUND BAR
(51) Int. Cl.
B60N 2/28 (2006.01)
(31) 62/582,971 **(32)** 08.11.17 **(33)** US
(43) 23.05.2019
(72) Bennett, Joel Hyrum; Hoover, Brandon Cory; Will, Adam Mark; Zhang, Ning-sheng
(74) Madderns Pty Ltd

(71) Broadridge Financial Solutions, Inc.
(11) AU-A-2018203718
(21) 2018203718 **(22)** 28.05.2018
(54) DATABASE-CENTERED COMPUTER NETWORK SYSTEMS AND COMPUTER-IMPLEMENTED METHODS FOR CRYPTOGRAPHICALLY-SECURED DISTRIBUTED DATA MANAGEMENT
(51) Int. Cl.
G06F 21/62 (2013.01)
G06F 16/25 (2019.01)
G06F 16/27 (2019.01)
(31) 15/808,714 **(32)** 09.11.17 **(33)** US
(43) 23.05.2019
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(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) Brytech Design & Engineering Project Management Limited; Tape Specialities Limited
(11) AU-A-2019202987
(21) 2019202987 **(22)** 29.04.2019
(54) Sampling plate with variable height testing zones

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G01N 27/327 (2006.01)
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 (72) Bryan, Matthew; Seagrave, Stuart
 (74) FB Rice Pty Ltd

(71) Cail, L.
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 (21) 2017258844 (22) 07.11.2017
 (54) Bracelet shower cover
 (51) Int. Cl.
A41D 27/12 (2006.01)
A41D 20/00 (2006.01)
A44C 5/00 (2006.01)
 (43) 23.05.2019
 (72) Cail, Liza Margaret
 (74) Liza Margaret Cail

(71) Caliber Therapeutics, Inc.
 (11) AU-A-2019202994
 (21) 2019202994 (22) 29.04.2019
 (54) Balloon catheter systems for delivery of dry drug delivery vesicles to a vessel in the body
 (51) Int. Cl.
A61F 2/958 (2013.01)
A61M 5/32 (2006.01)
A61M 25/00 (2006.01)
A61M 25/10 (2006.01)
 (43) 23.05.2019
 (62) 2017225072
 (72) BAUMBACH, William R.; SHERMAN, Darren R.; BURGERMEISTER, Robert
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(71) Carlson, M.; Spears, J.; Stan, P.
 (11) AU-A-2019203112
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 (51) Int. Cl.
G06Q 30/02 (2012.01)
 (43) 23.05.2019
 (62) 2016262674
 (72) Carlson, Mark; Spears, Joseph; Stan, Patrick
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

(71) Cell Ideas Pty Ltd
 (11) AU-A-2019203058
 (21) 2019203058 (22) 30.04.2019
 (54) Stem cells and secretions for treatment of inflammatory conditions
 (51) Int. Cl.
C12N 5/0775 (2010.01)
A61K 35/12 (2006.01)
A61P 17/00 (2006.01)
A61P 19/02 (2006.01)
A61P 25/02 (2006.01)
A61P 29/00 (2006.01)
A61P 37/00 (2006.01)
C12N 1/04 (2006.01)
C12N 5/077 (2010.01)

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 (62) 2017245310
 (72) VESEY, Graham; WEBSTER, Rebecca Anne; LILISCHKIS, Richard
 (74) Spruson & Ferguson

(71) Chapin Manufacturing, Inc
 (11) AU-A-2018201194
 (21) 2018201194 (22) 20.02.2018
 (54) Fluid injection system
 (51) Int. Cl.
B01F 5/04 (2006.01)
A01C 23/04 (2006.01)
B01F 3/20 (2006.01)
B05B 7/28 (2006.01)
 (31) 15/807,265 (32) 08.11.17 (33) US
 (43) 23.05.2019
 (72) Dubiel, David; Horeth, Edward
 (74) Shelston IP Pty Ltd.

(71) Chart Inc.
 (11) AU-A-2018203168
 (21) 2018203168 (22) 07.05.2018
 (54) Cryogenic freezer
 (51) Int. Cl.
F25D 23/00 (2006.01)
 (31) 2017-214614 (32) 07.11.17 (33) JP
 (43) 23.05.2019
 (72) COREY, John; GUSTAFSON, Keith; BIES, Buzz
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(71) CHUAN JIING ENTERPRISE CO., LTD.
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 (54) DETACHABLE BOILING POINT DETECTOR FOR BRAKE FLUID
 (51) Int. Cl.
G01N 25/08 (2006.01)
 (43) 23.05.2019
 (72) TSENG, TIEN TSAI
 (74) Collison & Co

(71) Cilag GmbH International
 (11) AU-A-2019203036
 (21) 2019203036 (22) 30.04.2019
 (54) Multi-orientation test strip
 (51) Int. Cl.
G01N 27/327 (2006.01)
 (43) 23.05.2019
 (62) 2014370087
 (72) ELDER, David; SETFORD, Steven; FAULKNER, Allan
 (74) Spruson & Ferguson

(71) CLEARY DOLCETTI, J.
 (11) AU-A-2019203099
 (21) 2019203099 (22) 02.05.2019
 (54) Laminated Material
 (51) Int. Cl.
B32B 9/00 (2006.01)
A41D 1/00 (2006.01)

(43) 23.05.2019
 (62) 2015272120
 (72) CLEARY DOLCETTI, Joseph
 (74) A.P.T. Patent and Trade Mark Attorneys

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 (21) 2017258889

(71) coleman, j.; coleman, j.
 (11) AU-A-2017258889
 (21) 2017258889 (22) 09.11.2017
 (54) rose stripper with inbuilt scissors. Plastic rose strippers with a central spring loaded hinge at the base - with in each arm of the rose stripper, a blade from a pair of scissors is inbuilt using the same spring loaded hinge. This turns a two tool multi step process into a single tool double step process.
 (51) Int. Cl.
A01G 3/02 (2006.01)
 (43) 23.05.2019
 (72) coleman, jessica; coleman, jessica kate
 (74) jessica coleman

(71) Colorado State University Research Foundation
 (11) AU-A-2019203090
 (21) 2019203090 (22) 01.05.2019
 (54) E.COLI MEDIATED siRNASILENCING OF AVIAN INFLUENZA IN CHICKENS
 (51) Int. Cl.
A01N 63/00 (2006.01)
A61K 48/00 (2006.01)
C12N 15/11 (2006.01)
 (43) 23.05.2019
 (62) 2015209208
 (72) Linke, Lyndsey M.; Salman, Mo D.; Wilusz, Jeffrey
 (74) John Christiansen

(71) CommScope Technologies LLC
 (11) AU-A-2019203070
 (21) 2019203070 (22) 01.05.2019
 (54) Selectively combining uplink signals in distributed antenna systems
 (51) Int. Cl.
H04L 25/02 (2006.01)
 (43) 23.05.2019
 (62) 2015219260
 (72) Hanson, Van E.; Ranson, Christopher G.
 (74) Davies Collison Cave Pty Ltd

(71) Covidien LP
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 (21) 2018250440 (22) 18.10.2018
 (54) Surgical staples with expandable backspan
 (51) Int. Cl.
A61B 17/064 (2006.01)
 (31) 15/808,203 (32) 09.11.17 (33) US
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 (72) KOSTRZEWSKI, Stanislaw
 (74) Spruson & Ferguson

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 (11) AU-A-2019203107
 (21) 2019203107 (22) 02.05.2019
 (54) Apparatus and method for vacuumizing and sealing a package
 (51) Int. Cl.
B65B 7/02 (2006.01)
B65B 31/02 (2006.01)
B65B 51/14 (2006.01)
B65B 59/02 (2006.01)
B65B 61/28 (2006.01)
F16K 3/02 (2006.01)
F16K 3/18 (2006.01)
F16K 51/02 (2006.01)
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 (74) Davies Collison Cave Pty Ltd

(71) Dam Buster IP Pty Ltd
 (11) AU-A-2019203055
 (21) 2019203055 (22) 30.04.2019
 (54) An Overflow Device Comprising or Including a Rainhead
 (51) Int. Cl.
E04D 13/08 (2006.01)
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 (72) POCKETT, David John; KIRKWOOD, Russell John; GREGORY, Rowan Warwick; KINGSTON, Richard
 (74) WRAYS PTY LTD

(71) Dennert Poraver GmbH
 (11) AU-A-2018253641
 (21) 2018253641 (22) 29.10.2018
 (54) Hollow glass microspheres and method for producing same
 (51) Int. Cl.
C03B 19/10 (2006.01)
C03C 11/00 (2006.01)
C03C 12/00 (2006.01)
 (31) 10 2017 219 692.0 (32) 06.11.17 (33) DE
 (43) 23.05.2019
 (72) NEIDHARDT, Wolfram
 (74) Spruson & Ferguson

(71) Dennert Poraver GmbH
 (11) AU-A-2018256538
 (21) 2018256538 (22) 31.10.2018
 (54) Hollow glass microspheres and method for producing same
 (51) Int. Cl.
C03B 19/10 (2006.01)
C03B 9/00 (2006.01)
C03B 40/00 (2006.01)
 (31) 10 2017 219 693.9 (32) 06.11.17 (33) DE
 (43) 23.05.2019
 (72) NEIDHARDT, Wolfram
 (74) Spruson & Ferguson

Dickstein, D. see Jefferies, W.
 (21) 2019200286

(71) Dow Global Technologies LLC; Rohm and Haas Company
 (11) AU-A-2018253521
 (21) 2018253521 (22) 24.10.2018
 (54) TINT BASE PAINT FORMULATION WITH A POLY(OXYALKYLENE-UR-ETHANE) ASSOCIATIVE THICKENER MODIFIED WITH A HYDROPHOBIC OLIGOMER
 (51) Int. Cl.
C09D 175/04 (2006.01)
C09D 4/02 (2006.01)
C09D 5/00 (2006.01)
C09D 127/06 (2006.01)
C09D 133/08 (2006.01)
C09D 133/10 (2006.01)
C09D 171/02 (2006.01)
 (31) 62/581,353 (32) 03.11.17 (33) US
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 (74) Phillips Ormonde Fitzpatrick

(71) E. I. du Pont de Nemours and Company
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 (54) TRANSESTERIFIED FURAN BASED POLYESTERS AND ARTICLES MADE THEREFROM
 (51) Int. Cl.
C08L 67/02 (2006.01)
 (43) 23.05.2019
 (62) 2015252948
 (72) BRUN, Yefim; CASTAGNA, Alicia Marie; LIAO, Ken-Hsuan; NEDERBERG, Fredrik; FORRESTER MCCORD, Elizabeth; RASMUSSEN, Christopher John
 (74) Houlihan² Pty Ltd

(71) Elekta Limited
 (11) AU-A-2018241157
 (21) 2018241157 (22) 05.10.2018
 (54) Operation and control of magnetic resonance imaging apparatus
 (51) Int. Cl.
F16M 13/02 (2006.01)
 (31) 1718288.2 (32) 03.11.17 (33) GB
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 (72) Bourne, Duncan; Williams, Anthony
 (74) Baldwins Intellectual Property

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 (11) AU-A-2018274873
 (21) 2018274873 (22) 04.12.2018
 (54) A SECURITY DETECTOR AND END OF LINE MODULE
 (51) Int. Cl.
G08B 29/00 (2006.01)
 (31) 2017904528 (32) 08.11.17 (33) AU
 (43) 23.05.2019
 (72) AYLESBURY, Mark; GRAHAM, Robert
 (74) Adams Pluck

(71) FISHER & PAYKEL HEALTHCARE LIMITED
 (11) AU-A-2019203052
 (21) 2019203052 (22) 30.04.2019
 (54) CONNECTIONS FOR HUMIDIFICATION SYSTEM
 (51) Int. Cl.
A61M 16/16 (2006.01)
 (43) 23.05.2019
 (62) 2014319042
 (72) Osborne, Hamish; Millar, Gavin Walsh; Evans, Stephen David; Holyoake, Bruce Gordon; Stanton, James William; McDermott, Gareth Thomas; McKenna, Nicholas James Michael; Norton, Myfanwy Jane Antica; Elsworth, Adrian John; Andresen, Michael John; Gurm, Sandeep Singh; Lambert, Jonathan Andrew George; Paris, Tessa Hazel; Griffiths, Joseph Nathaniel; Si, Ping; Sims, Christopher Gareth; Stoks, Elmo Benson; Cheung, Dexter Chi Lun; Seekup, Peter Alan; Liu, Po-Yen David; Lang, Richard Edward; Tonkin, Paul James; Kwan, Ian Lee Wai; McCauley, David Leon
 (74) Baldwins Intellectual Property

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 (21) 2019203079

(71) Fuji Xerox Co., Ltd.
 (11) AU-A-2019203110
 (21) 2019203110 (22) 02.05.2019
 (54) Information processing apparatus, information processing method, and program
 (51) Int. Cl.
B41J 29/38 (2006.01)
G03G 21/00 (2006.01)
 (43) 23.05.2019
 (62) 2017203478
 (72) Hotokeishi, Kenichiro
 (74) Shelston IP Pty Ltd.

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 (21) 2019203107

(71) Gallagher Group Limited
 (11) AU-A-2018260822
 (21) 2018260822 (22) 06.11.2018
 (54) A Visual Flow Indicator
 (51) Int. Cl.
G01F 1/115 (2006.01)
G01F 1/10 (2006.01)
 (31) 745165 (32) 10.08.18 (33) NZ
 737015 06.11.17 NZ
 (43) 23.05.2019
 (72) Dudding, Mark William; Wade, Robert Andrew
 (74) James & Wells Intellectual Property

(71) GENENTECH, INC.
 (11) AU-A-2019202902

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 (54) Bioreactors with multiple or adjustable - position agitator designs
 (51) Int. Cl.
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A01P 1/00 (2006.01)
A23B 7/154 (2006.01)
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Toxic or Inhibitory to Lepidopteran
Pests
(51) Int. Cl.
C07K 14/325 (2006.01)
C12N 15/82 (2006.01)
(43) 23.05.2019
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(72) Baum, James A.; Cerruti, Thomas A.;
Dart, Crystal L.; English, Leigh H.; Fu,
Xiaoran; Guzov, Victor M.; Howe, Ar-
lene R.; Morgenstern, Jay P.; Roberts,
James K.; Salvador, Sara A.; Wang,
Jinling; Flasiniski, Stanislaw
(74) Pizzeys Patent and Trade Mark Attor-
neys Pty Ltd

(71) Monsanto Technology LLC
(11) AU-A-2019203021
(21) 2019203021 (22) 30.04.2019
(54) Novel Chimeric Insecticidal Proteins
Toxic or Inhibitory to Lepidopteran
Pests
(51) Int. Cl.
C07K 14/325 (2006.01)
C12N 15/82 (2006.01)
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(72) Baum, James A.; Cerruti, Thomas A.;
Dart, Crystal L.; English, Leigh H.; Fu,
Xiaoran; Guzov, Victor M.; Howe, Ar-
lene R.; Morgenstern, Jay P.; Roberts,
James K.; Salvador, Sara A.; Wang,
Jinling; Flasiniski, Stanislaw
(74) Pizzeys Patent and Trade Mark Attor-
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(71) Monsanto Technology LLC
(11) AU-A-2019203025
(21) 2019203025 (22) 30.04.2019
(54) Novel Chimeric Insecticidal Proteins
Toxic or Inhibitory to Lepidopteran
Pests
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C07K 14/325 (2006.01)
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Dart, Crystal L.; English, Leigh H.; Fu,
Xiaoran; Guzov, Victor M.; Howe, Ar-
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(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

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A01B 49/02 (2006.01)
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(74) HopgoodGanim

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(51) Int. Cl.
A61B 18/00 (2006.01)
A61D 7/00 (2006.01)
A61N 2/02 (2006.01)
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(74) FB Rice Pty Ltd

(71) NEC Corporation
(11) AU-A-2019203071
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(54) RADIO ACCESS SYSTEM AND PORTABLE TERMINAL DEVICE
(51) Int. Cl.
H04W 48/18 (2009.01)
H04M 1/725 (2006.01)
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(72) GOTOU, Kouhei; KANAUCHI, Masashi
(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd

(71) Nuovo Pignone Srl
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F04D 27/02 (2006.01)
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(74) Phillips Ormonde Fitzpatrick

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(72) OLIVER, James
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E21B 23/04 (2006.01)
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(71) Parion Sciences, Inc.
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(54) 3,5-DIAMINO-6-CHLORO-N-(N-(4-(4-(2-(HEXYL (2,3,4,5,6-PENTAHYDROXYHEXYL) AMINO) ETHOXY) PHENYL) BUTYL) CARBAMIMIDOYL) PYRAZINE-2-CARBOXAMIDE
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A61K 31/4965 (2006.01)
A61P 11/00 (2006.01)
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B60R 11/06 (2006.01)
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A61K 31/122 (2006.01)
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F16L 55/46 (2006.01)
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(74) Madderns Pty Ltd

(71) Pharmext
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A61K 31/137 (2006.01)
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A61K 31/195 (2006.01)
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(62) 2018201436
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(74) Davies Collision Cave Pty Ltd

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(11) AU-A-2019203010
(21) 2019203010 **(22)** 30.04.2019
(54) Conversion of Solar Energy
(51) Int. Cl.
F24S 50/00 (2018.01)
F24S 30/00 (2018.01)
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(72) LASICH, John Beavis
(74) Griffith Hack

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(11) AU-A-2019203077
(21) 2019203077 **(22)** 01.05.2019
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G03G 15/08 (2006.01)
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(51) Int. Cl.
E01C 23/088 (2006.01)
(31) 16/139,273 **(32)** 24.09.18 **(33)** US
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(74) Gennadi Rosin
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- (71)** Rovi Guides, Inc.
(11) AU-A-2019202992
(21) 2019202992 **(22)** 29.04.2019

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(51) Int. Cl.
H04N 5/44 (2006.01)
G06F 3/00 (2006.01)
G11B 27/00 (2006.01)
H04N 5/00 (2006.01)
H04N 5/445 (2006.01)
H04N 5/76 (2006.01)
H04N 5/765 (2006.01)
H04N 5/91 (2006.01)
H04N 7/16 (2006.01)
H04N 7/173 (2006.01)
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(54) 3,3 Disubstituted 19-Nor Pregnane Compounds, Compositions, and Uses Thereof
(51) Int. Cl.
C07J 5/00 (2006.01)
A61K 31/57 (2006.01)
A61K 31/573 (2006.01)
A61K 31/58 (2006.01)
A61P 25/00 (2006.01)
C07J 7/00 (2006.01)
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(54) ELECTRICAL HOUSING
(51) Int. Cl.
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(51) Int. Cl.
C12N 5/0775 (2010.01)
C12N 5/074 (2010.01)
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(51) Int. Cl.
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(54) Rapid-Curing, Migration-Free Compositions Based on Organic Polymers Containing Silane Groups
(51) Int. Cl.
C09D 183/10 (2006.01)
C07C 279/00 (2006.01)
C08G 77/42 (2006.01)
C09J 183/10 (2006.01)
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(72) Burckhardt, Urs; Cannas, Rita
(74) WRAYS PTY LTD
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(51) Int. Cl.
B66F 3/10 (2006.01)
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(54) Hearing aid
(51) Int. Cl.
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H01Q 9/16 (2006.01)
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 (54) Pressure sewer control system and method
 (51) Int. Cl.
E03F 5/22 (2006.01)
F04D 15/00 (2006.01)
G05D 9/00 (2006.01)
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 (72) Moon, Rodney Leonard; Sutherland, Martin Alexander; Forster-Knight, Andrew
 (74) Davies Collison Cave Pty Ltd

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(71) Stalicia SA
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 (21) 2018260807 (22) 06.11.2018
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A61K 31/437 (2006.01)
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A61P 25/00 (2006.01)
 (31) EP 17200219.8 (32) 06.11.17 (33) EP
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 (43) 23.05.2019
 (72) Durham, Lynn
 (74) In-Legal Limited

Stan, P. see Carlson, M.

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(71) Stealth Peptides International, Inc.
 (11) AU-A-2019203050
 (21) 2019203050 (22) 30.04.2019
 (54) METHODS FOR PERFORMING A CORONARY ARTERY BYPASS GRAFT PROCEDURE
 (51) Int. Cl.
A61K 38/07 (2006.01)
A61P 9/10 (2006.01)
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 (72) Borow, Kenneth; Wilson, D. Travis
 (74) Pizzeys Patent and Trade Mark Attorneys Pty Ltd

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H01M 8/18 (2006.01)
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 (72) Ikeuchi, Atsuo; Hayashi, Kiyooki
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G06F 17/00 (2006.01)
 (31) 201721039304 (32) 03.11.17 (33) IN
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G06Q 10/10 (2012.01)
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 (54) A guide assembly and tool system for supporting a tool and a method for operating the same
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B25H 1/00 (2006.01)
 (31) 15/806,185 (32) 07.11.17 (33) US
 (43) 23.05.2019
 (72) BAIN, David Michael
 (74) FB Rice Pty Ltd

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 (11) AU-A-2019203113
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 (51) Int. Cl.
C08J 9/14 (2006.01)
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 (74) Houlihan² Pty Ltd

(71) The Regents of The University of California
 (11) AU-A-2019203038
 (21) 2019203038 (22) 30.04.2019
 (54) Functionalized magnetic nanoparticles and use in imaging amyloid deposits and neurofibrillary tangles
 (51) Int. Cl.
A61K 31/4745 (2006.01)
 (43) 23.05.2019
 (62) 2017203920
 (72) Akhtari, Massoud
 (74) FB Rice Pty Ltd

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 (54) PipeFAB
 (51) Int. Cl.
G06F 17/50 (2006.01)
A62C 35/58 (2006.01)
 (43) 23.05.2019
 (72) Slankamenac, Ljubodrag Louis
 (74) The Trustee for 3D Fire Discretionary Trust

(71) The Trustee for National Holdings Trust
 (11) AU-A-2017251696
 (21) 2017251696 (22) 06.11.2017
 (54) Postholda is a bracket and a bracketed system that holds posts in place level and ready for concreting. The bracket slides over any sized post whether timber, steel, aluminium etc and holds firmly in place to allow for concreting or installing the post more permanently. The Postholda bracketed system uses straps to connect 2 potholda bracket together to evenly space the postholda brackets to the correct spacing to allow for timber rails to be attached to the post at set distances. Postholda is also a system to install posts for pergolas, carports, fences and all other structures.
 (51) Int. Cl.
E04H 12/22 (2006.01)
E04H 17/26 (2006.01)
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 (72) Ogilvie, David; Webb, Kevin
 (74) The Trustee for National Holdings Trust

(71) The Trustees of the University of Pennsylvania
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 (21) 2019203111 (22) 02.05.2019
 (54) Manufacturing of multi-dose injection ready dendritic cell vaccines, combination therapies for blocking HER2 and HER3, and estrogen receptor positive HER2 breast cancer therapy
 (51) Int. Cl.
C12N 5/0784 (2010.01)
A61K 35/12 (2006.01)
A61K 35/14 (2006.01)
A61K 35/28 (2006.01)
A61K 39/00 (2006.01)
A61K 39/385 (2006.01)

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C07K 14/00 (2006.01)
C12N 5/00 (2006.01)
(43) 23.05.2019
(62) 2017201074
(72) Czerniecki, Brian J.; Koski, Gary K.
(74) MINTER ELLISON
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(21) 2019203042 **(22)** 30.04.2019
(54) Chimeric antigen receptors targeting B-cell maturation antigen
(51) Int. Cl.
C07K 16/28 (2006.01)
A61K 48/00 (2006.01)
A61P 35/02 (2006.01)
C07K 14/005 (2006.01)
C07K 16/46 (2006.01)
C12N 15/62 (2006.01)
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(72) KOCHENDERFER, James Noble
(74) Spruson & Ferguson
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- (71)** Tigerstone Technologies Limited
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(54) Production of activated carbon
(51) Int. Cl.
C01B 32/318 (2017.01)
(31) 17200703.1 **(32)** 08.11.17 **(33)** EP
(43) 23.05.2019
(72) BLISSETT, Robert
(74) Spruson & Ferguson
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- (71)** University Of Pittsburgh - Of the Commonwealth System Of Higher Education
(11) AU-A-2019202996
(21) 2019202996 **(22)** 29.04.2019
(54) A system and method of determining a susceptibility to cardiorespiratory insufficiency
(51) Int. Cl.
G06Q 50/22 (2012.01)
(43) 23.05.2019
(62) 2017218965
(72) Pinsky, Michael R.
(74) Davies Collison Cave Pty Ltd
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- (71)** UNL Holdings LLC
(11) AU-A-2019202852
(21) 2019202852 **(22)** 23.04.2019
(54) Plunger-driven auto injectors
(51) Int. Cl.
A61M 5/20 (2006.01)
A61M 5/32 (2006.01)
(43) 23.05.2019
(62) 2014260230
(72) Weaver, Philip A.; Lumme, Katlin M.
(74) Spruson & Ferguson
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- (71)** USNR, LLC
(11) AU-A-2019203062
(21) 2019203062 **(22)** 30.04.2019
(54) Electric veneer lathe
(51) Int. Cl.
F16H 25/20 (2006.01)
B27L 5/02 (2006.01)
F16H 25/22 (2006.01)
F16H 25/24 (2006.01)
(43) 23.05.2019
(62) 2015333682
(72) DEZELLEM, Tim; O'CONNELL, Kevin K.; BRIDGES III, Frederick Reeder
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(21) 2019203117 **(22)** 02.05.2019
(54) SHEATHED OPTICAL FIBER
(51) Int. Cl.
G02B 6/02 (2006.01)
A61N 5/06 (2006.01)
(43) 23.05.2019
(62) 2017216559
(72) Johnson, Scot; Harter, Michael
(74) Pizeys Patent and Trade Mark Attorneys Pty Ltd
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- (71)** Valmont Highway Technology Limited
(11) AU-A-2019202998
(21) 2019202998 **(22)** 30.04.2019
(54) Energy Absorption Device
(51) Int. Cl.
E01F 15/08 (2006.01)
B63H 21/30 (2006.01)
D06F 37/20 (2006.01)
D06F 37/22 (2006.01)
D06F 49/06 (2006.01)
E01F 15/14 (2006.01)
F16F 7/12 (2006.01)
F16F 9/30 (2006.01)
(43) 23.05.2019
(62) 2017268574
(72) James, Dallas Rex
(74) James & Wells Intellectual Property
-
- (71)** Vining, T.; Rife, R.
(11) AU-A-2018260792
(21) 2018260792 **(22)** 05.11.2018
(54) Motorized Aquatic Animal Deterrent
(51) Int. Cl.
A01M 29/24 (2011.01)
A01K 79/02 (2006.01)
(31) 62/581,831 **(32)** 06.11.17 **(33)** US
(43) 23.05.2019
(72) Vining, Tyler; Rife, Robert
(74) Spruson & Ferguson
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- (71)** Weatherford Technology Holdings, LLC
(11) AU-A-2018256478
(21) 2018256478 **(22)** 29.10.2018
(54) CONTROL SYSTEM FOR HYDRO-CARBON RECOVERY TOOLS
(51) Int. Cl.
E21B 44/02 (2006.01)
E21B 19/16 (2006.01)
E21B 35/00 (2006.01)
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- E21B 36/00** (2006.01)
E21B 43/00 (2006.01)
(31) 15/804,690 **(32)** 06.11.17 **(33)** US
(43) 23.05.2019
(72) WIEDECKE, Michael; THIEMANN, Bjorn; HOELTERLING, Carlo; WERN, Frank
(74) IP GATEWAY PATENT & TRADE MARK ATTORNEYS PTY LTD
-
- (71)** Werner Co.
(11) AU-A-2019203056
(21) 2019203056 **(22)** 30.04.2019
(54) Composite rung for a ladder and method
(51) Int. Cl.
E06C 7/08 (2006.01)
(43) 23.05.2019
(62) 2017202064
(72) Mora, Daniel C.
(74) BOSH IP Pty Ltd
-
- (71)** Wimbush, R.T.
(11) AU-A-2018260877
(21) 2018260877 **(22)** 07.11.2018
(54) PLANT TREATMENT
(51) Int. Cl.
A01N 43/653 (2006.01)
(31) 2017904511 **(32)** 07.11.17 **(33)** AU
(43) 23.05.2019
(72) Wimbush, Richard Trevor; Bruwer, Izak Johan; Du Randt, Paulus Johannes
(74) FAL PATENTS PTY LTD
-
- (71)** Xyleco, Inc.
(11) AU-A-2019202986
(21) 2019202986 **(22)** 29.04.2019
(54) Marking paper products
(51) Int. Cl.
G03C 1/00 (2006.01)
D21B 1/06 (2006.01)
D21C 1/00 (2006.01)
D21F 5/00 (2006.01)
G03C 5/00 (2006.01)
(43) 23.05.2019
(62) 2017232237
(72) MEDOFF, Marshall
(74) Spruson & Ferguson

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2017251696	The Trustee for National Holdings Trust	2019202852	UNL Holdings LLC
2017254984	Patriot Campers Pty Ltd	2019202902	GENENTECH, INC.
2017258829	CHUAN JIING ENTERPRISE CO., LTD.	2019202922	Mitokinin, Inc.
2017258844	Cail, L.	2019202929	ASCEM B.V.
2017258889	coleman, j.; coleman, j.	2019202952	Medrobotics Corporation
2017258920	The Trustee for 3D Fire Discretionary Trust	2019202981	MacDon Industries Ltd.
2017261545	Blackout Technologies Group Ltd	2019202982	MacDon Industries Ltd.
2017366668	Google LLC	2019202983	MacDon Industries Ltd.
2017384693	Sumitomo Electric Industries, Ltd.	2019202986	Xyleco, Inc.
2018201194	Chapin Manufacturing, Inc	2019202987	Brytech Design & Engineering Project Management Limited; Tape Specialities Limited
2018201654	Tata Consultancy Services Limited	2019202991	South East Water Corporation
2018202111	Tata Consultancy Services Limited	2019202992	Rovi Guides, Inc.
2018203168	Chart Inc.	2019202993	Altech Chemicals Australia Pty Ltd
2018203718	Broadridge Financial Solutions, Inc.	2019202994	Caliber Therapeutics, Inc.
2018204403	SCM Lifescience Co., Ltd.	2019202995	Janssen Biotech, Inc.
2018211250	ArvinMeritor Technology, LLC	2019202996	University Of Pittsburgh - Of the Commonwealth System Of Higher Education
2018217339	Hsu, C.; Hsu, C.	2019202997	Afton Chemical Corporation
2018220056	AEL Mining Services Limited	2019202998	Valmont Highway Technology Limited
2018220141	Adobe Inc.	2019203000	Bayer Intellectual Property GmbH
2018236736	Beijing Apollo Ding Rong Solar Technology Co., Ltd.	2019203002	Gilead Pharmasset LLC
2018241131	Simol S.p.A.	2019203005	Senseonics, Incorporated
2018241157	Elekta Limited	2019203006	Joy Global Underground Mining LLC
2018241207	MASTERCARD INTERNATIONAL INCORPORATED	2019203007	GPCP IP Holdings LLC
2018247207	Medtronic, Inc	2019203008	Pellficure Pharmaceuticals, Inc.
2018247245	MASTERCARD INTERNATIONAL INCORPORATED	2019203009	Kuraray Co., Ltd.
2018247246	MASTERCARD INTERNATIONAL INCORPORATED	2019203010	RAYGEN RESOURCES PTY LTD
2018247293	Müthing GmbH & Co. KG	2019203011	Aristocrat Technologies Australia Pty Limited
2018250379	Medtronic, Inc.	2019203013	Owen Oil Tools LP
2018250440	Covidien LP	2019203014	Monsanto Technology LLC
2018250498	Luchak, P.	2019203015	Monsanto Technology LLC
2018250524	Biosense Webster (Israel) Ltd.	2019203018	Mars, Incorporated
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2018253529	Klevaklip Systems Pty Ltd	2019203021	Monsanto Technology LLC
2018253568	KABUSHIKI KAISHA TOYOTA JIDOSHOKKI	2019203023	Nativis, Inc.
2018253631	Binder Beteteiligungs AG	2019203025	Monsanto Technology LLC
2018253641	Dennert Poraver GmbH	2019203026	Holley Performance Products Inc.
2018256478	Weatherford Technology Holdings, LLC	2019203027	Boehringer Ingelheim International GmbH
2018256526	OLIVER, J.; OLIVER, R.	2019203028	Black & Decker Inc.
2018256536	Minipan S.r.l.	2019203031	Britax Childcare Pty Ltd
2018256538	Dennert Poraver GmbH	2019203032	8 Rivers Capital, LLC
2018256556	Howmedica Osteonics Corp.	2019203033	Black & Decker Inc.
2018256577	Binder Beteteiligungs AG	2019203036	Cilag GmbH International
2018256580	Sivantos Pte. Ltd.	2019203037	Black & Decker Inc.
2018256594	Hunter Douglas Industries B.V.	2019203038	The Regents of The University of California
2018256598	Hunter Douglas Inc.	2019203039	Black & Decker Inc.
2018256649	Intellijoint Surgical Inc.	2019203042	The United States of America, as represented by the Secretary, Department of Health and Human Services
2018256676	Rosin, G.	2019203043	Incall Limited
2018260791	Roadtec, Inc.	2019203046	Sage Therapeutics, Inc.
2018260792	Vining, T.; Rife, R.	2019203048	BioAtla LLC
2018260807	Stalicia SA	2019203049	Innovations4Flooring Holding N.V.
2018260812	Peterson, W.	2019203050	Stealth Peptides International, Inc.
2018260820	Britax Child Safety, Inc.	2019203051	Allergan, Inc.
2018260821	Schneider Electric (Australia) Pty Limited	2019203052	FISHER & PAYKEL HEALTHCARE LIMITED
2018260822	Gallagher Group Limited	2019203055	Dam Buster IP Pty Ltd
2018260824	Tigerstone Technologies Limited	2019203056	Werner Co.
2018260846	The Boeing Company	2019203058	Cell Ideas Pty Ltd
2018260853	Accenture Global Solutions Limited	2019203059	Luigi Lavazza S.p.A.
2018260876	Accenture Global Solutions Limited	2019203062	USNR, LLC
2018260877	Wimbush, R.T.	2019203064	Haptch, Inc.
2018260951	LG Electronics Inc.	2019203067	Acerus Pharmaceuticals SRL
2018260955	LG Electronics Inc.	2019203069	Allergan, Inc.
2018274873	FIRE & SECURITY HARDWARE PTY LTD	2019203070	CommScope Technologies LLC
2018274955	Longi Magnet Co., Ltd.	2019203071	NEC Corporation
2018282364	Geron Corporation	2019203073	Aristocrat Technologies Australia Pty Limited
2018305146	Afiniti Europe Technologies Limited	2019203076	S ka Technology AG
2019200286	Jefferies, W.; Biron, K.; Dickstein, D.		
2019202509	Pharmnext		

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2019203077 ReveraGen BioPharma, Inc.
2019203079 Kling Technology; Freeberg, P.; Schomberg, K.; Guy, D.;
Goeman, T.; King, J.; Johnson, J.
2019203081 IEX GROUP, INC.
2019203083 Arysta LifeScience North America, LLC
2019203084 Nuovo Pignone Srl
2019203085 Parion Sciences, Inc.
2019203086 inovia Holdings Pty Ltd
2019203089 Aristocrat Technologies Australia Pty Limited
2019203090 Colorado State University Research Foundation
2019203094 MATOKE HOLDINGS LIMITED
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2019203099 CLEARY DOLCETTI, J.
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2019203102 Green Products & Technologies, L.L.C.
2019203103 Ricoh Company, Limited
2019203107 Cryovac, Inc; Furukawa MFG. Co., Ltd.
2019203109 Bovell, C.
2019203110 Fuji Xerox Co., Ltd.
2019203111 The Trustees of the University of Pennsylvania
2019203112 Carlson, M.; Spears, J.; Stan, P.
2019203113 THE CHEMOURS COMPANY FC, LLC
2019203114 Battelle Memorial Institute
2019203116 E. I. du Pont de Nemours and Company
2019203117 UVLrx Therapeutics Inc.

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		F16H 59 /- 2018253568	G05D 9 /- 2019202991		
		F16H 61 /- 2018253568			

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Name Index

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

(71) Ansari, M.; Nasser, T.
 (11) AU-A-2019100421
 (21) 2019100421 (22) 19.04.2019
 (54) New system and method of conducting real estate sales transactions online, including conveyancing, updating land registries and paying government taxes, utilising blockchain technology. This is done by recording property sales transactions on the blockchain and enable peer-to-peer title transfers and completing the settlement and conveyancing process on a private blockchain.
 (51) Int. Cl.
G06Q 50/16 (2012.01)
 (45) 23.05.2019
 (72) Nasser, Taraneh; Ansari, Morteza Seraj
 (74) Taraneh Nasser

(71) Distillery 3 Est. Pty Limited
 (11) AU-A-2019100418
 (21) 2019100418 (22) 17.04.2019
 (54) A Method for Making a Composite Alcoholic Beverage
 (51) Int. Cl.
C12G 3/04 (2019.01)
C12G 3/021 (2019.01)
C12H 6/02 (2019.01)
 (31) 2018901745 (32) 18.05.18 (33) AU
 (45) 23.05.2019
 (72) Edwards, William John Malcolm; Withers, David Aaron Wilhelm
 (74) Chrysiliou IP

(71) Egoroff, J.
 (11) AU-A-2019100408
 (21) 2019100408 (22) 13.04.2019
 (54) Autonomous Heat/fire detection and warning system for monitoring rural areas
 (51) Int. Cl.
G08B 19/00 (2006.01)
 (45) 23.05.2019
 (72) Egoroff, Jim; McAuliffe, Patrick
 (74) Jim Egoroff

(71) Formficiency
 (11) AU-A-2019100410
 (21) 2019100410 (22) 14.04.2019
 (54) Formficiency
 (51) Int. Cl.
G06Q 90/00 (2006.01)
 (45) 23.05.2019
 (72) Wood, John; Mederos, Gabriel
 (74) Formficiency

(71) HEADWAY INFORMATION SERVICES PTY LTD; YANGO PTY LTD
 (11) AU-A-2019100401
 (21) 2019100401 (22) 12.04.2019
 (54) South East Asia Trading System
 (51) Int. Cl.
G06Q 30/02 (2012.01)
 (45) 23.05.2019
 (72) Evans, Robert
 (74) YANGO PTY LTD AS TRUSTEE FOR PR TRUST

(71) Mainset Pty Limited
 (11) AU-A-2019100400
 (21) 2019100400 (22) 12.04.2019
 (54) Plumbing Fitting
 (51) Int. Cl.
F16L 33/207 (2006.01)
F16L 47/24 (2006.01)
 (31) 2018904841 (32) 19.12.18 (33) AU
 (45) 23.05.2019
 (72) Ziarkowski, Aleksy; Ziarkowski, Simon
 (74) Chrysiliou IP

(71) Miles, S.
 (11) AU-A-2019100417
 (21) 2019100417 (22) 16.04.2019
 (54) VEHICULAR POWER SOCKET ASSEMBLY
 (51) Int. Cl.
B60R 13/00 (2006.01)
 (31) 2019900179 (32) 16.01.19 (33) AU
 (45) 23.05.2019
 (72) Miles, Shane Robert
 (74) Ahearn Fox

Nasser, T. see Ansari, M.
 (21) 2019100421

(71) OXTI CORPORATION
 (11) AU-A-2019100407
 (21) 2019100407 (22) 12.04.2019
 (54) SECURE COMMUNICATION DEVICE
 (51) Int. Cl.
H04W 12/02 (2009.01)
H04L 9/32 (2006.01)
H04W 12/06 (2009.01)
 (45) 23.05.2019
 (72) Lee, Po-Huan
 (74) Alfred Lei

(71) P.T COLBRELLI-COX & C.H TURNER
 (11) AU-A-2019100374
 (21) 2019100374 (22) 05.04.2019
 (54) Eat Drink Bottle This invention relates to a re-usable insulated beverage and food container, adapted to contain both food and beverage within a single en-

closure to which the beverage and food sections when required can also be separated one from the other for the contents therein to be consumed independently of the other.
 (51) Int. Cl.
B65D 21/02 (2006.01)
B65D 81/38 (2006.01)
 (31) 2018901127 (32) 05.04.18 (33) AU
 (45) 23.05.2019
 (72) Turner, Charity Helen Rose
 (74) P.T COLBRELLI-COX & C.H TURNER

(71) Paget, S.
 (11) AU-A-2019100377
 (21) 2019100377 (22) 06.04.2019
 (54) Edgeez
 (51) Int. Cl.
A47L 13/18 (2006.01)
A41D 19/00 (2006.01)
 (45) 23.05.2019
 (72) Paget, Shani
 (74) Shani Paget

(71) pankau, j.
 (11) AU-A-2019100425
 (21) 2019100425 (22) 23.04.2019
 (54) energy drinks containing no caffeine
 (51) Int. Cl.
A23L 2/00 (2006.01)
 (45) 23.05.2019
 (72) pankau, jason
 (74) jason pankau

(71) Powersource Investments Pty Ltd
 (11) AU-A-2019100396
 (21) 2019100396 (22) 11.04.2019
 (54) Launcher mechanism
 (51) Int. Cl.
A47F 1/06 (2006.01)
F25D 3/02 (2006.01)
F25D 31/00 (2006.01)
 (31) 2018901231 (32) 12.04.18 (33) AU
 (45) 23.05.2019
 (72) Weiler, Jason
 (74) Davies Collison Cave Pty Ltd

(71) Reelsafe Pty Ltd
 (11) AU-A-2019100328
 (21) 2019100328 (22) 29.03.2019
 (54) DEWATERING, TEST PUMPING AND DOWNHOLE MONITORING SYSTEM
 (51) Int. Cl.
F16L 11/22 (2006.01)
B65H 75/42 (2006.01)
 (45) 23.05.2019
 (72) MCARTHUR, Cameron; MCARTHUR, Marcus
 (74) WRAYS PTY LTD

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(71) Rural Innovations Pty Ltd
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 A61P 35/00 (2006.01)
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F25B 13/00 (2006.01)
F24F 11/30 (2018.01)
F25B 1/00 (2006.01)
F25B 49/02 (2006.01)
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F25B 49/02 (2006.01)
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(51) Int. Cl.
F25B 41/06 (2006.01)
F25B 1/00 (2006.01)
F25B 13/00 (2006.01)
F25B 49/02 (2006.01)
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(51) Int. Cl.
F25B 1/00 (2006.01)
F24F 11/30 (2018.01)
F25B 5/00 (2006.01)
F25B 5/02 (2006.01)
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H02K 3/34 (2006.01)
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A61P 9/04 (2006.01)
C07D 471/04 (2006.01)
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A61K 39/00 (2006.01)
C12N 5/16 (2006.01)
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A61K 39/00 (2006.01)
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A61K 35/15 (2015.01)
A61P 35/00 (2006.01)
C12N 5/16 (2006.01)
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G06Q 10/04 (2012.01)
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E21B 43/29 (2006.01)
E21B 7/04 (2006.01)
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B42D 25/425 (2014.01)
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E02B 17/00 (2006.01)
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E04H 12/08 (2006.01)
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G06F 16/00 (2019.01)
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A61K 6/00 (2006.01)
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C08L 33/24 (2006.01)
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C07D 241/40 (2006.01)
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A61B 5/145 (2006.01)
A61B 5/1486 (2006.01)
C12Q 1/02 (2006.01)
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A01D 46/30 (2006.01)
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 A45C 11/20 (2006.01)
 A45F 3/46 (2006.01)
 F25D 3/08 (2006.01)
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 F25D 23/02 (2006.01)
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 H01M 6/08 (2006.01)
 H01M 10/42 (2006.01)
 H01M 10/48 (2006.01)
 H02J 7/00 (2006.01)
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 (54) Reusable battery indicator with electrical lock and key
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 G01R 31/36 (2006.01)
 H01M 10/48 (2006.01)
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 (54) Reusable battery indicator with lock and key mechanism
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 H01M 10/42 (2006.01)
 G01R 31/36 (2006.01)
 H01M 10/48 (2006.01)
 H04W 4/00 (2018.01)
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 H04W 4/00 (2018.01)
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 H01M 10/42 (2006.01)
 G01R 31/36 (2006.01)
 H01M 2/02 (2006.01)
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 (54) Material supply system with valve assembly with improved sealing capabilities
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 B65G 69/18 (2006.01)
 B65D 47/26 (2006.01)
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 B65G 69/18 (2006.01)
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 G01N 21/78 (2006.01)
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 (54) Method of operating a cooking oven, in particular a steam cooking oven

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 F24C 15/00 (2006.01)
 F24C 3/12 (2006.01)
 F24C 7/08 (2006.01)
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A61P 35/00 (2006.01)
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A61K 38/10 (2006.01)
A61K 38/47 (2006.01)
A61K 38/48 (2006.01)
A61L 15/44 (2006.01)
A61L 27/00 (2006.01)
A61M 25/10 (2013.01)
A61P 31/04 (2006.01)
C07K 7/00 (2006.01)
C07K 7/06 (2006.01)
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A23C 9/154 (2006.01)
A23C 9/156 (2006.01)
A23G 1/56 (2006.01)
A23G 3/34 (2006.01)
A23J 1/20 (2006.01)
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 A61P 3/10 (2006.01)
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A61K 33/06 (2006.01)
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A01N 43/90 (2006.01)
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A01P 3/00 (2006.01)
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G21D 7/00 (2006.01)
H05H 1/12 (2006.01)
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(72) Due Larsen, Bjarne; Griffin, Jonathan; Giehm, Lise; Edwards, Alistair Vincent Gordon
(74) Spruson & Ferguson
-
- (71) Zhongshan Ophthalmic Center, Sun Yat-Sen University
(11) AU-A-2018212270
(21) 2018212270 (22) 25.01.2018
(54) Lanosterol prodrug compound and preparation method therefor and use thereof
(51) Int. Cl.
C07J 9/00 (2006.01)
A61K 9/08 (2006.01)
A61K 31/575 (2006.01)
A61P 27/12 (2006.01)
(87) WO2018/137683
(31) 201710868274.6 (32) 22.09.17 (33) CN

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

201710061039.8 25.01.17 CN
(43) 02.08.2018
(72) Liu, Yizhi; Wang, Yandong; Li, Xiaolin; Luo, Zhi; Shen, Liang; Hou, L Juan; Wen, Xinxin; He, Haiying; Li, Jian; Chen, Shuhui
(74) FB Rice Pty Ltd

(71) Zimmer, Inc.
(11) AU-A-2017348486
(21) 2017348486 (22) 16.10.2017
(54) Surgical power tool with critical error handler
(51) Int. Cl.
A61B 17/16 (2006.01)
A61B 17/32 (2006.01)
A61B 17/00 (2006.01)
(87) WO2018/080823
(31) 62/414,995 (32) 31.10.16 (33) US
(43) 03.05.2018
(72) Heston, Brian Keith
(74) Phillips Ormonde Fitzpatrick

(71) Zimmer, Inc.
(11) AU-A-2017354043
(21) 2017354043 (22) 01.11.2017
(54) Device for sensing implant location and impingement
(51) Int. Cl.
A61F 2/46 (2006.01)
A61F 2/32 (2006.01)
A61F 2/34 (2006.01)
A61F 2/36 (2006.01)
(87) WO2018/085417
(31) 62/514,257 (32) 02.06.17 (33) US
62/416,435 02.11.16 US
(43) 11.05.2018
(72) Johannaber, Kenneth D.; Minck Jr., John; Hariri, Rida; Dalbey, Derek
(74) Phillips Ormonde Fitzpatrick

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2016424413	Huawei Technologies Co., Ltd.	2017338620	Neurotek Pty Ltd
2016424804	Huawei Technologies Co., Ltd.	2017338772	Global Tel*Link Corp.
2016425781	Suntory Holdings Limited	2017338792	Barsoum, D.
2016426890	Coglix Co.Ltd.	2017338802	Pur Equipamentos Industriais Ltda
2016426891	Coglix Co.Ltd.	2017338896	Rovi Guides, Inc.
2016427261	Crescita Therapeutics Inc.	2017339104	Oxford Drug Design Limited
2016427493	Huawei Technologies Co., Ltd.	2017339155	Bouygues Travaux Publics
2016427820	Rovi Guides, Inc	2017339204	Ghost Herbal Concepts Ltd
2016427822	Seattle Children's Hospital (DBA Seattle Children's Research Institute)	2017339273	Mohare, P.; Khopkar, R.
2016427835	Rovi Guides, Inc.	2017339274	Mohare, P.; Khopkar, R.
2016427895	Omicron Persei 8 Enterprises Pty Ltd	2017339402	Brown, S.; Almasy, J.; Baty, J.
2016428136	Rovi Guides, Inc.	2017339427	Lincoln Memorial University
2016428163	Sunman (Hong Kong) Limited	2017339510	Oric Pharmaceuticals, Inc.
2016428185	Huawei Technologies Co., Ltd.	2017339516	Burton, M.
2016428410	Guangdong Oppo Mobile Telecommunications Corp., Ltd.	2017339536	Beth Israel Deaconess Medical Center, Inc.; Trustees of Boston University
2016428423	Guangdong Oppo Mobile Telecommunications Corp., Ltd.	2017339586	Holcomb Scientific Research Limited
2016428424	Guangdong Oppo Mobile Telecommunications Corp., Ltd.	2017339671	Romar International Limited
2016428484	Sami Labs Limited	2017339721	OPERR Technologies, Inc.
2016428527	Mitsubishi Electric Corporation	2017339726	Cellix Bio Private Limited
2016428754	Essity Hygiene and Health Aktiebolag	2017339759	Ibag Medtech AG
2016429066	Telefonaktiebolaget LM Ericsson (publ)	2017339856	Pfizer Inc.; Merck Patent GmbH
2016429336	S.Ratnam, S.	2017339984	Genomictree, Inc.
2016429362	Colgate-Palmolive Company	2017340028	The Council of the Queensland Institute of Medical Research
2016429418	Viacyte, Inc	2017340072	Cayouette, T.
2016429420	Kimberly-Clark Worldwide, Inc.	2017340216	Sharp Kabushiki Kaisha; FG Innovation Company Limited
2016429442	Cerebrotech Medical Systems, Inc.	2017340234	Amendia, Inc.
2016429628	Qingdao Haier Joint Stock Co., Ltd	2017340245	BRIM Biotechnology, Inc.
2016429662	Sandvik Intellectual Property AB	2017340511	Smokey Tech, LLC
2016429776	New York Air Brake, LLC	2017340633	University of Central Florida Research Foundation, Inc.
2016430215	Essity Hygiene and Health Aktiebolag	2017341028	Genzyme Corporation
2016430794	Essity Hygiene and Health Aktiebolag	2017341048	TCR2 Therapeutics Inc.
2016430795	Essity Hygiene and Health Aktiebolag	2017341105	QUZZUP S.R.L.
2016430805	The ESAB Group, Inc.	2017341441	Saint-Gobain Isover
2016430837	Sandvik Intellectual Property AB	2017341624	Monolith Inc.
2016430856	Honeywell International Inc.	2017341663	Enzychem Lifesciences Corporation
2016430878	Halliburton Energy Services, Inc.	2017341671	Glycan Biosciences LLC
2016430886	Junttan Oy	2017341726	StickyCell Pty Ltd
2016430985	Lockheed Martin Energy, LLC	2017341749	Universidad De Antofagasta
2016431601	Essity Hygiene and Health Aktiebolag	2017341766	Bioverativ USA Inc.
2016431602	Essity Hygiene and Health Aktiebolag	2017342022	Array BioPharma Inc.
2016432050	Essity Hygiene and Health Aktiebolag	2017342027	Array Biopharma Inc.
2016432456	Electrolux Appliances Aktiebolag	2017342160	Catalent U.K. Swindon Zydis Limited
2016433063	General Electric Company	2017342166	Munro, A.
2016433064	Halliburton Energy Services, Inc.	2017342257	Knappco Corporation
2016433678	Aktiebolaget Electrolux	2017342282	Advanced Drainage Systems, Inc.
2016434445	Halliburton Energy Services, Inc.	2017342364	Board of Regents, The University of Texas System
2017331281	ArcherDX, Inc.	2017342366	InnovoSciences LLC
2017333909	Daikin Industries, Ltd.	2017342428	University of Leicester; Omeros Corporation
2017335721	Medial Research Ltd.	2017342738	Roadtec, Inc.
2017336002	Gen-Probe Incorporated	2017342898	Composite Resources, Inc.
2017336100	Regeneron Pharmaceuticals, Inc.	2017342928	Development Center for Biotechnology
2017336309	Welltec Oilfield Solutions AG	2017343328	Delft Offshore Turbine B.V.
2017336370	OxyMem Limited	2017343367	S-Gun Limited
2017337372	Daikin Industries, Ltd.	2017343475	PayPal, Inc.
2017337526	Ribeiro, J.	2017343477	Paypal, Inc.
2017338192	Daikin Industries, Ltd.	2017343670	University of South Australia; Sentek Pty Ltd
2017338197	Daikin Industries, Ltd.	2017343752	Neomatrix Therapeutics, Inc
2017338287	Thales	2017343763	United States Department of Energy
2017338514	Glaceum Inc.	2017343886	Cipla Limited
2017338583	LG Electronics Inc.	2017344001	InnovoSciences LLC
2017338584	LG Electronics Inc.	2017344481	Morgan Tecnica S.p.A.
2017338585	LG Electronics Inc.	2017344741	First Frontier Pty Ltd
2017338586	LG Electronics Inc.	2017344759	Combitile Pty Ltd
2017338597	Rotortug Holding B.V.	2017344850	Suez International
		2017345067	X Development LLC

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2017345306	Mateo Herrero, M.P.	2017348982	Kookmin University Industry Academy Cooperation Foundation
2017345380	Teijin Limited	2017349166	BASF SE
2017345388	Edge Electrons Limited	2017349303	Probst, L.
2017345402	General Automation Lab Technologies, Inc.	2017349434	British American Tobacco (Investments) Limited
2017345435	Biogen MA Inc.	2017349457	Wealth Wizards Limited
2017345500	Aurigene Discovery Technologies Limited	2017349476	Samsung Electronics Co., Ltd.
2017345509	Tata Consultancy Services Limited	2017349483	Innowell Solutions AS
2017345521	ENI S.p.A.	2017349492	Solids.Experts AS
2017345574	United States Government as Represented by the Department of Veterans Affairs	2017349493	Solids Experts AS
2017345600	Icahn School of Medicine at Mount Sinai	2017349496	Mint Innovation Limited
2017345677	F Khorakiwala, H.	2017349615	Red Bull GmbH
2017345759	Adimab, LLC	2017349620	Thales Australia Limited
2017345778	Quanta Associates, L.P.	2017349752	nChain Holdings Limited
2017345786	Adimab, LLC	2017349756	Davis, J.
2017345796	DataRobot, Inc.	2017349924	Brainsway Ltd; ElMindA Ltd.; BGN Technologies Ltd.
2017345813	Berkeley Lights, Inc.	2017350022	Tr boron International AB
2017345913	Kuraray Noritake Dental Inc.	2017350303	Anheuser-Busch Inbev S.A.
2017346012	Kuraray Noritake Dental Inc.	2017350476	Survitec Group Limited
2017346183	Enzychem Lifesciences Corporation	2017350484	Damian Pharma AG
2017346321	Saint-Gobain Cultilene B.V.	2017350512	Novelis Inc.
2017346486	Apellis Pharmaceuticals, Inc.	2017350520	Baker Hughes, a GE Company, LLC
2017346791	University of Pittsburgh-of the Commonwealth System of Higher Education; UPMC; Universidad de Santiago de Chile	2017350521	Baker Hughes, a GE Company LLC
2017346865	The Seaberg Company, Inc.	2017350612	Kabush ki Kaisha Kobe Se ko Sho (Kobe Steel, Ltd.)
2017346879	The Medicines Company	2017350787	Smith & Nephew, Inc.
2017346934	Travel Glider IP Pty Ltd	2017350853	The United States of America, as represented by the Secretary of Agriculture; Los Alamos National Security, LLC
2017346947	LazCath Pty Ltd	2017350874	Carl Zeiss Meditec Cataract Technology Inc.
2017347045	Kuraray Noritake Dental Inc.	2017350878	Cheng, Q.
2017347371	ETH Zurich	2017350881	Sullivan, K.
2017347578	Huawei Technologies Co., Ltd.	2017350884	Optimedica Corporation
2017347687	Y Soft Corporation, A.S.	2017350903	ForSight VISION6, Inc.
2017347790	The Chinese University of Hong Kong; Grail, Inc.	2017350932	Kelvin Inc.
2017347797	Apple Inc.	2017350950	AMO Development, LLC
2017347805	JDS Therapeutics, LLC	2017351012	Canon Kabushiki Kaisha
2017347819	Innovation Technologies, Inc.	2017351027	CareFusion 2200, Inc.
2017347848	Intima Bioscience, Inc.; Regents of The University of Minnesota	2017351066	Weatherford Technology Holdings, LLC
2017347854	Intima Bioscience, Inc.; Regents of the University of Minnesota; The United States of America, as represented by the Secretary Department of Health and Human Services	2017351204	Sleep Number Corporation
2017347877	TAE Technologies, Inc.	2017351206	Third Wave Water LLC
2017347919	Kenyon International, Inc.	2017351263	Eiken Kagaku Kabushiki Kaisha
2017348010	Triad National Security, LLC; Chevron U.S.A. Inc.	2017351271	Da kin Industries, Ltd.
2017348093	Danimer Bioplastics, Inc.; Effekt LLC	2017351516	IHI Corporation
2017348306	The Trustees of Columbia University in the City of New York	2017351635	Brien Holden Vision Institute Limited
2017348332	Medtronic Ardian Luxembourg S.a.r.l.	2017351649	Nuovo Pignone Tecnologie Srl
2017348351	General Cable Technologies Corporation; Novota Industries	2017351745	D'urso, P.
2017348355	Insight Energy Ventures, LLC	2017351914	Kolon Life Science, Inc.
2017348365	Astute Medical, Inc.; University of Pittsburgh - of the Commonwealth System of Higher Education	2017352017	Miracle Management Pte Ltd
2017348375	Insight Energy Ventures, LLC	2017352036	Gruppo Gimoka S.r.l.
2017348410	The Cleveland Clinic Foundation	2017352105	Triad National Security, LLC; Chevron U.S.A. Inc.
2017348422	Valeda Company (d/b/a "Q'Strain")	2017352106	Triad National Security, LLC; Chevron U.S.A. Inc.
2017348486	Zimmer, Inc.	2017352158	Huawei Technologies Co., Ltd.
2017348622	Pharma Consult Ges.m.b.H.	2017352361	Al baba Group Holding Limited
2017348634	Implandata Ophthalmic Products GmbH	2017352444	CareFusion 2200, Inc.
2017348643	Valoya Oy	2017352667	Université De Strasbourg; Centre National de la Recherche Scientifique
2017348662	ORTHOsoft Inc.	2017352825	Parexgroup SA
2017348666	Rhinoclear Nasal Care Solutions Inc.	2017352826	Parexgroup SA
2017348744	Koki Holdings Co., Ltd.	2017352845	BAE Systems plc
2017348745	Koki Holdings Co., Ltd.	2017352853	Agricision Limited
2017348762	PELLENC	2017352947	GRST International Limited
2017348810	Fujian Cosunter Pharmaceutical Co., Ltd.	2017352991	China Merchants Loscam (Asia Pacific) Co., Limited
2017348826	Chia Tai Tianqing Pharmaceutical Group Co., Ltd.; Centaurus Biopharma Co., Ltd.; Lianyungang Runzhong Pharmaceutical Co., Ltd.	2017352992	China Merchants Loscam (Asia Pacific) Co., Limited
2017348878	Weed Fighter Aps	2017353072	Centro de Ingenieria Genetica Y Biotecnologia
		2017353094	Witron Logistik + Informatik GmbH
		2017353208	Bemicon
		2017353293	Verisure Sàrl
		2017353302	Aurora Labs Limited
		2017353306	Nano Bubble Technologies Pty Ltd
		2017353312	Hg3 S.à.r.l.
		2017353360	The University of Sydney; Wu, C.
		2017353424	Telefonaktiebolaget LM Ericsson (publ)

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2017353446	ICM (Institut du Cerveau et de la Moelle Épineière); Sorbonne Université; Centre National de la Recherche Scientifique; INSERM (Institut National de la Santé et de la Recherche Médicale); APHP (Assistance Publique - Hôpitaux de Paris); École Pratique des Hautes Études	2017355627	Heatworks Technologies, Inc.
2017353516	Telefonaktiebolaget LM Ericsson (publ)	2017355635	Wavesense, Inc.
2017353644	Samsung Electronics Co., Ltd.	2017355649	Weiser, L.
2017353693	MED-EL Elektromedizinische Geraete GmbH	2017355652	TAE Technologies, Inc.
2017353698	General Electric Company	2017355887	Samsung Electronics Co., Ltd.
2017353702	MED-EL Elektromedizinische Geraete GmbH	2017355932	Telefonaktiebolaget LM Ericsson (publ)
2017353727	Husqvarna AB	2017355950	Orbit Toys, LLC
2017353749	Caterpillar Inc.	2017356154	Pearson Education, Inc.
2017353838	Kura Oncology, Inc.	2017356160	Gilead Sciences, Inc.
2017353847	AxoGen Corporation	2017356168	Laila Nutraceuticals
2017353852	Apexigen, Inc.	2017356280	OneMarket Network LLC
2017353880	Work Fluidics	2017356295	Dana-Farber Cancer Institute, Inc.; Beth Israel Deaconess Medical Center
2017353907	The Research Foundation for The State University of New York	2017356297	Dana-Farber Cancer Institute, Inc.; Beth Israel Deaconess Medical Center
2017353941	Highlife SAS	2017356322	Fred Hutchinson Cancer Research Center; University of Washington
2017353942	Highlife SAS	2017356334	Teufelberger Ges.m.b.H.
2017353943	Highlife SAS	2017356412	Shiseido Company, Ltd.
2017353944	Highlife SAS	2017356780	Integrum AB
2017353945	Highlife SAS	2017356880	Colgate-Palmolive Company
2017353982	Children's Hospital Medical Center	2017356887	Ironwood Pharmaceuticals, Inc.
2017353987	Med-El Elektromedizinische Geraete GmbH	2017356900	Bechtel Hydrocarbon Technology Solutions, Inc.
2017354019	The Regents of the University of Michigan	2017356901	salesforce.com, Inc.
2017354043	Zimmer, Inc.	2017356942	Makkouk, A.; Gross, M.; Parlati, F.; Calithera Biosciences, Inc.
2017354071	AnaptysBio, Inc.; Tesaro, Inc.	2017357001	Rocher Manganese, Inc.
2017354078	Baylis Medical Company Inc.	2017357030	The ESAB Group Inc.
2017354082	Novartis AG	2017357045	Amo WaveFront Sciences, LLC
2017354117	Verisure Sàrl	2017357413	Deutsches Krebsforschungszentrum
2017354147	CiDRA Corporate Services LLC	2017357537	Geberit International AG
2017354168	InterDigital Patent Holdings, Inc.	2017357645	Dogtooth Technologies Limited
2017354272	Exostem Biotech Ltd.	2017357649	Autolus Limited
2017354687	Asahi Kasei Medical Co., Ltd.	2017357809	The Regents of The University of California
2017354721	Sharp Kabushiki Kaisha; FG Innovation Company Limited	2017357857	Revision Military S.a.r.l
2017354754	Mint Innovation Limited	2017357865	UTI Limited Partnership
2017354782	Telefonaktiebolaget LM Ericsson (publ)	2017357923	Aerovironment, Inc.
2017354873	Hepagene Therapeutics, Inc.	2017358063	Nepean Conveyors Pty Ltd
2017354910	MBDA UK Limited	2017358065	Englund, M.A.
2017354938	JGM Industries Pty Limited	2017358282	ICM Co., Ltd.
2017354961	Chef Low Cal Foods Inc.	2017358321	Aarhus Universitet; Region Midtjylland; Sørensen, J.
2017355140	Telefonaktiebolaget LM Ericsson (publ)	2017358360	Aprogen KIC Inc.
2017355176	Syngenta Participations AG	2017358442	MJN U.S. Holdings LLC
2017355249	Ethicon, Inc.	2017358502	Inventio AG
2017355314	Coren Intellect LLC	2017358549	Medical Brands Research B.V.
2017355364	Velis, C.; Velis, C.; Miller, K.	2017358570	British American Tobacco (Investments) Limited
2017355375	The NanoSteel Company, Inc.	2017358571	British American Tobacco (Investments) Limited
2017355386	Duracell U.S. Operations, Inc.	2017358691	Dennemeyer Octlmine GmbH
2017355387	Duracell U.S. Operations, Inc.	2017358826	University of Copenhagen
2017355390	Duracell U.S. Operations, Inc.	2017359004	Sthaler Limited
2017355393	Duracell U.S. Operations, Inc.	2017359043	Regeneron Pharmaceuticals, Inc.
2017355395	Duracell U.S. Operations, Inc.	2017359156	Colgate-Palmolive Company
2017355407	CiDRA Corporate Services LLC	2017359304	Sleep Number Corporation
2017355420	Thomson Reuters Global Resources Unlimited Company	2017359322	Pulse Biosciences, Inc.
2017355441	Ringers Technologies LLC	2017359330	The United States of America, as represented by the Secretary Department of Health and Human Services
2017355449	Becton, Dickinson and Company	2017359336	The United States of America, As Represented by The Secretary, Department of Health and Human Services
2017355460	ArcherDX, Inc.	2017359390	Sony Corporation
2017355468	Bibas, C.	2017359424	Arioneo
2017355481	YouHealth Biotech, Limited; The Regents of The University of California	2017359439	Regeneron Pharmaceuticals, Inc.
2017355487	PRC-DeSoto International, Inc.	2017359447	Oregon Health & Science University
2017355504	Bluebird Bio, Inc.	2017359479	Allergan, Inc.
2017355512	AxImmune, Inc.; Colorado State University Research Foundation	2017359561	Cancer Research Technology Limited
2017355533	Netflix, Inc.	2017359569	Rentokil Initial 1927 plc
2017355549	Louisiana-Pacific Corporation	2017359860	exoIQ GmbH
2017355564	The United States of America, as represented by the Secretary, Department of Health and Human Services	2017359912	Vossloh-Werke GmbH
2017355613	Novartis AG	2017359944	H. Lundbeck A/S
		2017359995	Höganäs AB
		2017360029	Centre National de la Recherche Scientifique - CNRS -; Université de Rennes 1; Université d'Orleans
		2017360064	Lysando AG

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2017360074	Electrolux Appliances Aktiebolag	2017367405	Tokuyama Dental Corporation
2017360484	Trace Eye-D, LLC	2017367640	Magic Leap, Inc.
2017360965	Warner Electric Technology LLC	2017368049	McLaughlin Gormley King Company
2017361061	Magic Leap, Inc.	2017368072	BNNT, LLC
2017361081	Genentech, Inc.	2017368170	Smith & Nephew, Inc.
2017361114	Swisslog Australia Pty Limited	2017368232	Druggability Technologies IP Holdco Limited
2017361245	Magic Leap, Inc.	2017368264	Natural Extraction Systems, LLC
2017361264	freal foods, LLC	2017368450	Coates, P.
2017361365	Hosokawa Yoko Co., Ltd.	2017368745	IFP Energies Nouvelles; Holcim Technology Ltd
2017361381	Ecolab USA Inc.	2017369207	Noxxon Pharma AG
2017361382	International Biophysics Corporation	2017369532	Novozymes A/S
2017361383	Ecolab USA Inc.	2017369849	British American Tobacco (Investments) Limited
2017361526	Before Brands, Inc.	2017369869	Invineo S.A.
2017361650	Yuyama Mfg. Co., Ltd.	2017370528	Syngenta Participations AG
2017361804	Fresenius Kabi Deutschland GmbH	2017371179	Glikn k Inc.
2017361805	Fresenius Kabi Deutschland GmbH	2017371180	R.P. Scherer Technologies, LLC
2017361856	NeuroVive Pharmaceutical AB	2017371182	Glikn k Inc.
2017361981	Haemograph Pty Ltd	2017371231	Somfy Activites SA
2017362143	Virox Technologies Inc.	2017371443	UCB Biopharma SPRL
2017362257	Gruma S.A.B. de C.V.	2017371516	Zealand Pharma A/S
2017362444	Lion Group, Inc.	2017371674	Xenon Pharmaceuticals Inc.
2017362464	Sandvik Intellectual Property AB	2017371720	Subsea 7 Do Brasil Servicos Ltda
2017362465	Casale SA	2017372351	Nanoscope Technologies LLC
2017362640	Siemens Aktiengesellschaft	2017372587	Hendrickson USA, L.L.C.
2017362721	Potenza Therapeutics, Inc.	2017372694	MED-EL Elektromedizinische Geraete GmbH
2017362758	QED Labs Inc.	2017372699	MED-EL Elektromedizinische Geraete GmbH
2017362872	Illinois Tool Works Inc.	2017372932	Industrie De Nora S.p.A.
2017362882	Roxell USA, Inc.	2017373758	New Era Pharma, Inc.
2017362951	E. I. Du Pont De Nemours and Company	2017374032	Cubic Corporation
2017362952	Waymo LLC	2017374460	Il Dong Pharmaceutical Co., Ltd.
2017362968	Tatvum LLC	2017374543	Qualcomm Incorporated
2017362979	TAE Technologies, Inc.	2017374756	Subsea 7 Limited
2017363141	The Board of Trustees of the Leland Stanford Junior University	2017374757	Subsea 7 Limited
2017363142	Allele Biotechnology & Pharmaceuticals, Inc.	2017374895	Electrolux Appliances Aktiebolag
2017363143	Regeneron Pharmaceuticals, Inc.	2017374938	Novartis AG
2017363147	Retrotope, Inc.	2017375033	Dentsply DeTrey GmbH
2017363153	Golden Biotechnology Corporation	2017375046	Linde Aktiengesellschaft
2017363161	The Regents of the University of Michigan	2017375409	Donaldson Company, Inc.
2017363244	Hyperfine Research, Inc.	2017375602	Eli Lilly and Company
2017363256	Alloplex Biotherapeutics	2017375949	Princeton Drug Discovery Inc
2017363278	National University of Singapore	2017375962	Richardson, S.
2017363313	Dana-Farber Cancer Institute, Inc.	2017376276	Butterfly Network, Inc.
2017363479	Summit Packaging Systems, Inc.	2017376763	Novartis AG
2017363580	Lam, T.	2017376900	GlaxoSmithKline Intellectual Property Development Limited
2017363598	Ovid Therapeutics Inc.	2017376960	Baxter International Inc.; Baxter Healthcare SA
2017363608	Hyperfine Research, Inc.	2017377145	Moskovits Inventions Ltd.
2017363993	Global Fabtech (Shanghai) Company Limited	2017377926	Northrop Grumman Systems Corporation
2017364195	Alveolix AG; Universität Bern	2017378041	Senko Advanced Components, Inc.
2017364308	Enterprise Therapeutics Limited	2017378083	Corpak Medsystems, Inc.
2017364312	De La Rue International Limited	2017378148	Siemens Healthcare Diagnostics Inc.
2017364679	Baoshan Iron & Steel Co., Ltd.	2017378495	Edwards Lifesciences Corporation
2017364817	Chugai Seiyaku Kabushiki Kaisha	2017378811	Warsaw Orthopedic, Inc.
2017364818	Chugai Seiyaku Kabushiki Kaisha	2017379313	Valipat SA
2017364964	Berlin Cures GmbH	2017380213	Japan Tobacco Inc.
2017365116	ESCILAB SP. Z O.O.	2017380531	Electrolux Appliances Aktiebolag
2017365223	Sensoryx AG	2017380938	Electrolux Appliances Aktiebolag
2017365274	Sulzer Management AG	2017381019	Electrolux Appliances Aktiebolag
2017365438	Dometic Sweden AB	2017381020	Electrolux Appliances Aktiebolag
2017365566	Honda Motor Co., Ltd.	2017381319	thyssenkrupp Industrial Solutions AG; ThyssenKrupp AG
2017365745	Kemira OYJ	2017381641	Nestec S.A.
2017365928	Oxford Nanopore Technologies Limited	2017381656	F. Hoffmann-La Roche AG
2017366400	Jiangsu Hengrui Medicine Co., Ltd.	2017382215	Senco Brands, Inc.
2017366432	Boston Scientific Scimed Inc.	2017382322	R.P. Scherer Technologies, LLC
2017366621	Jiangsu Hengrui Medicine Co., Ltd.; Shanghai Hengrui Pharmaceutical Co., Ltd.	2017382489	Qualcomm Incorporated
2017366668	Google LLC	2017382494	Qualcomm Incorporated
2017366683	Endoshape, Inc.	2017382513	Halliburton Energy Services, Inc.
2017366794	Landis+Gyr Innovations, Inc.	2017382640	Alibaba Group Holding Limited
2017366896	Magic Leap, Inc.	2017382820	Mastercard International Incorporated
2017367100	Foundry Innovation & Research 1, Ltd.	2017383864	Electrolux Appliances Aktiebolag
2017367260	Novartis AG	2017384154	Nestec S.A.

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2017384693 Sumitomo Electric Industries, Ltd.
2017384993 Google LLC
2017384996 Google LLC
2017385021 Netflix, Inc.
2017385543 F. Hoffmann-La Roche AG
2017385947 Kraft Foods R&D, Inc.
2017386097 Google LLC
2017388174 JFE Steel Corporation
2017388398 Vanderbilt University
2017390376 Hilti Aktiengesellschaft
2017390377 Hilti Aktiengesellschaft
2017390378 Hilti Aktiengesellschaft
2017390677 Hilti Aktiengesellschaft
2017390725 Al baba Group Holding Limited
2017391165 Baxalta Incorporated; Baxalta, GmbH
2017391172 Gelov, T.; Trevino, R.; Sawyer, M.; Kim, P.; Crosby, K.;
 Heartland Consumer Products, LLC
2017392150 Raytheon Company
2017393921 Protektorwerk Florenz Maisch GmbH & Co. Kg
2017395709 BAE Systems Information and Electronic Systems In-
 tegration Inc.
2017397463 Alexander Vuckovic, M.D., LLC
2017398082 Halliburton Energy Services, Inc.
2017399674 Raytheon Company
2017400313 Qilu University of Technology
2017400464 Miyamoto Corporation
2018205217 Clexio Biosciences Ltd.
2018205779 Qualcomm Incorporated
2018205783 Qualcomm Incorporated
2018206134 Dompe' Farmaceutici S.p.A.
2018207579 Calix Ltd
2018207866 CHT Germany GmbH
2018209930 Dexcom, Inc.
2018210326 University of Pittsburgh - of the Commonwealth System
 of Higher Education
2018210838 Dexcom, Inc.
2018211563 Novartis AG
2018212270 Zhongshan Ophthalmic Center, Sun Yat-Sen University
2018217182 Bruin Biometrics, LLC
2018217185 Bruin Biometrics, LLC
2018217187 Bruin Biometrics, LLC
2018219637 Eisai R&D Management Co., Ltd.
2018223116 F. Hoffmann-La Roche AG
2018230978 Halliburton Energy Services, Inc.
2018230986 Halliburton Energy Services, Inc.
2018245359 Mitsubishi Heavy Industries Thermal Systems, Ltd.
2018258034 Goldman Sachs & Co. LLC
2018259328 Mitsubishi Heavy Industries Thermal Systems, Ltd.
2018264305 Xuzhou Zhirun Mining Equipment Science and Techno-
 logy Co., Ltd.
2018266025 Mitsubishi Heavy Industries Thermal Systems, Ltd.
2018266035 Mitsubishi Heavy Industries Thermal Systems, Ltd.
2018274955 Longi Magnet Co., Ltd.
2018278316 Al baba Group Holding Limited
2018280235 Al baba Group Holding Limited
2018282627 Grow Solutions Tech LLC
2018287680 Suckow & Fischer Systeme Asia Pacific Ltd.; Orr,
 W.M.D.
2018305146 Afiniti Europe Technologies Limited
2018305786 Macdon Industries Ltd.
2018311360 Poli MD S.r.l.
2018325461 iView Therapeutics, Inc.

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<u>A01B 63 /-</u>	<u>A01M 21 /-</u>	<u>A23C 9 /-</u>	<u>A24B 3 /-</u>	<u>A47G 11 /-</u>	<u>A61B 34 /-</u>
2018305786	2017348878	2017381641 2017384154 2017385947	2017358570 2017358571	2016428754	2017348332 2017348662 2017378811
<u>A01B 69 /-</u>	<u>A01N 1 /-</u>		<u>A24D 3 /-</u>	<u>A47G 21 /-</u>	
2017352853	2017340511 2017341766	<u>A23G 1 /-</u>	2017349434 2017358570 2017358571	2016428754	<u>A61B 46 /-</u>
<u>A01D 34 /-</u>	<u>A01N 25 /-</u>	2017381641 2017384154		<u>A47G 29 /-</u>	2017353880
2017365566	2017345306 2017355176	<u>A23G 3 /-</u>	<u>A24F 1 /-</u>	2017342166	<u>A61B 5 /-</u>
<u>A01D 41 /-</u>	<u>A01N 41 /-</u>	2017381641 2017384154	2017342366	<u>A47G 9 /-</u>	2016429442 2017341766 2017345509 2017348332 2017349924 2017351027 2017351745 2017353360 2017357809 2017358321 2017359424 2017361382 2017363244 2017367100 2018209930 2018210838 2018217182 2018217185 2018217187
2018305786	2017355176	<u>A23J 1 /-</u>	<u>A24F 47 /-</u>	2017340072	
<u>A01D 46 /-</u>	<u>A01N 43 /-</u>	2017381641 2017384154	2017339204 2017342366 2017358570 2017358571 2017369849	<u>A47J 27 /-</u>	
2017357645	2017355176	<u>A23J 3 /-</u>		2017347919	
<u>A01D 47 /-</u>	<u>A01N 47 /-</u>	2017381641 2017384154	<u>A41D 13 /-</u>	<u>A47J 31 /-</u>	
2018305786	2017355176		2017345380 2017353208	2017391172	
<u>A01D 69 /-</u>	<u>A01N 57 /-</u>	<u>A23L 2 /-</u>		<u>A47K 10 /-</u>	
2017365566	2017370528	2016425781 2017349615 2017351206	<u>A41D 19 /-</u>	2016429420	
<u>A01G 13 /-</u>	<u>A01N 59 /-</u>		2017355441	<u>A47L 13 /-</u>	
2017370528	2017348878	<u>A23L 29 /-</u>	<u>A42B 1 /-</u>	2017338792 2017353312	
<u>A01G 27 /-</u>	<u>A01N 65 /-</u>	2017354961 2017361805	2017353208	<u>A47L 15 /-</u>	<u>A61B 6 /-</u>
2017346321	2017368049		<u>A42B 3 /-</u>	2016432456	2017358321
<u>A01G 31 /-</u>	<u>A01P 13 /-</u>	<u>A23L 3 /-</u>	2017352667 2017357857	<u>A61B 1 /-</u>	<u>A61B 8 /-</u>
2017346321 2018282627	2017348878 2017355176	2017349615 2017350612 2017351206	<u>A44B 11 /-</u>	2017346947	2017358321 2017376276
<u>A01G 33 /-</u>	<u>A01P 3 /-</u>	<u>A23L 33 /-</u>	2017342898	<u>A61B 17 /-</u>	<u>A61B 90 /-</u>
2017354938	2017355176	2017341663 2017346183 2017354961 2017358442 2017361526 2017361804 2017361805	<u>A45C 11 /-</u>	2016429418 2017339759 2017340234 2017342898 2017346865 2017348486 2017350787 2017350874 2017354078 2017355649 2017359336 2017368170 2017378811	2017348662 2017353880 2017378811
<u>A01G 7 /-</u>	<u>A01P 7 /-</u>		2017365438	<u>A61B 17 /-</u>	
2017348643 2017400464	2017355176	<u>A23P 10 /-</u>	<u>A45C 5 /-</u>		<u>A61C 5 /-</u>
<u>A01G 9 /-</u>	<u>A21B 3 /-</u>	2017354961	2017346934		2017339516
2018282627	2017380531	<u>A23P 20 /-</u>	<u>A45C 9 /-</u>		<u>A61C 8 /-</u>
<u>A01K 1 /-</u>	<u>A21C 11 /-</u>	2017354961	2017346934		2017356780
2017345306	2017362257	<u>A23P 30 /-</u>	<u>A45D 34 /-</u>		<u>A61F 11 /-</u>
<u>A01K 31 /-</u>	<u>A21D 13 /-</u>	2017375046	2017358549		2017353987
2017362882	2017354961	<u>A23P 30 /-</u>	<u>A45F 3 /-</u>		<u>A61F 13 /-</u>
<u>A01K 61 /-</u>	<u>A21D 2 /-</u>	2017375046	2017365438		2016430215 2016430794 2016430795 2016431601 2016431602 2016432050 2017348666 2017360064
2017341749	2017354961 2017369532	<u>A24B 15 /-</u>	<u>A47C 21 /-</u>		
<u>A01K 67 /-</u>	<u>A23C 19 /-</u>	2017342366 2017358570 2017358571 2017369849	2017340072 2017359304	<u>A61B 3 /-</u>	
2017336100	2017385947		<u>A47C 31 /-</u>	2017348634 2017357045 2017374938	

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A61F 2 /-	2017339726 2017341663 2017341671 2017342022 2017342027 2017342428 2017343886 2017345574 2017346183 2017346486 2017346879 2017347805 2017347819 2017348410 2017348810 2017348826 2017350484 2017353446	2017354272 2017355481 2017356297 2017356322 2017356942 2017358442 2017359479 2017363142 2017363278 2017391165	2017371182	2017361526 2017365116 2017368232 2017376960 2018205217 2018212270 2018311360	2017375602
2016429418 2017346791 2017350903 2017351745 2017353941 2017353942 2017353943 2017353944 2017353945 2017354043 2017356780 2017360064 2017362968 2017367260 2017378495	2017353907 2017354019 2017354082 2017354873 2017355481 20173556160 2017356297 2017356887 2017359561 2017360029 2017361804 2017361856 2017363147 2017363153 2017363161 2017363313 2017363598 2017364308 2017364964 2017365116 2017366400 2017366621	A61K 36 /- 2017340511 2017356168 2017365116 2017368264	A61K 41 /- 2017368264	A61L 15 /- 2016432050 2017345677 2017348666 2017360064	A61N 1 /- 2017351745 2017353702 2017353987 2017359322 2017366432 2017372694 2017372699
A61F 5 /-	2017359860 2017378083	A61K 38 /- 2016428484 2017339536 2017340028 2017340245 2017342364 2017343752 2017345435 2017346486 2017348365 2017353072 2017355512 2017356322 2017357865 2017358282 2017360064 2017364817 2017364818 2017371516 2017372351 2018210326	2016427261 2017339536 2017342160 2017343886 2017358360 2017359043 2017364817 2017369207 2017371179 2018205217 2018311360 2018325461	A61L 2 /- 2017349615 2017362143	A61N 2 /- 2017349924
A61F 7 /-	2017355364	A61K 39 /- 2017339856 2017341048 2017341766 2017342364 2017342428 2017345574 2017345759 2017345786 2017348365 2017348982 2017350853 2017353072 2017353852 2017354071 2017355564 2017355613 2017356295 2017356297 2017356322 2017357865 2017358360 2017359439 2017359479 2017359944 2017361081 2017361526 2017363143 2017364817 2017364818 2017371179	2016427822 2017342364 2017342428 2017347848 2017351914 2017353907 2017355504 2017372351	A61L 26 /- 2017345677	A61N 5 /- 2017353907
A61F 9 /-	2017350874 2017350884 2017350903 2017350950 2017353208 2017359336 2017376763 2018211563	A61K 48 /- 2016427822 2017342364 2017342428 2017347848 2017351914 2017353907 2017355504 2017372351	A61L 27 /- 2016429418 2017353847 2017355249 2017359330 2017360064 2017366432 2017366683	A61P 1 /- 2017356160 2017364818 2017376900	A61P 11 /- 2017341671 2017364308 2017364818 2017376900
A61G 3 /-	2017348422	A61K 49 /- 2017366683	A61M 1 /- 2017388398	A61P 13 /- 2017364818 2017376900 2018206134	A61P 17 /- 2017345677 2017359479 2017364818 2017376900 2017380213 2018311360
A61G 5 /-	2017363993	A61K 51 /- 2017371182	A61M 11 /- 2017339204 2017344001	A61P 15 /- 2017339204 2017342366 2017344001	A61P 19 /- 2017339536 2017345435 2017364818 2017366400
A61G 7 /-	2017351204	A61K 6 /- 2017345913 2017346012 2017347045 2017367405 2017375033	A61M 16 /- 2017357809	A61P 25 /- 2017353446 2017356887 2017359944 2017363147 2017364964 2017371443 2017371674 2018210326	A61P 27 /- 2017346486 2017372351 2018212270
A61H 23 /-	2017357809 2017361382	A61K 8 /- 2016429362 2017356412 2017356880 2017359156	A61M 25 /- 2017352444 2017360064	A61M 31 /- 2016429418	
A61H 31 /-	2017357809 2017361382	A61K 9 /- 2016427261 2016429418 2017340245 2017342160 2017343886 2017345677 2017347819 2017348410 2017348666	A61M 35 /- 2017358549	A61M 5 /- 2017348622 2017352017 2017355364	
A61J 1 /-	2017351027	A61K 33 /- 2017348666			
A61J 3 /-	2017361650 2017371180 2017382322	A61K 35 /- 2017345600 2017347805 2017347848 2017347854 2017348306 2017353982			
A61K 31 /-	2016427261 2017339104				

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<u>A61P 29 /-</u>	<u>A61P 43 /-</u>	<u>B01D 33 /-</u>	<u>B02C 2 /-</u>	<u>B21D 47 /-</u>	<u>B27B 27 /-</u>
2017364817	2017365116	2017344850	2017381319	2017393921	2016427895
2017364818					
2017364964	<u>A61P 5 /-</u>	<u>B01D 37 /-</u>	<u>B02C 4 /-</u>	<u>B22D 11 /-</u>	<u>B27N 3 /-</u>
2017366400	2017350484	2017344850	2016430837	2017350512	2017355549
2017371443		2017354147			
2017373758	<u>A61P 7 /-</u>	<u>B01D 46 /-</u>	<u>B03B 5 /-</u>	<u>B22F 1 /-</u>	<u>B28D 1 /-</u>
	2017342428	2017375409	2017355407	2017351516	2017353727
<u>A61P 3 /-</u>	2017348666			2017400313	
2017345435	2017355613	<u>B01D 5 /-</u>	<u>B03B 7 /-</u>	<u>B22F 3 /-</u>	<u>B28D 7 /-</u>
2017363143	2017391165	2017368264	2017355407	2017351516	2017353727
2017364818			<u>B03C 1 /-</u>	2017353302	<u>B29C 55 /-</u>
2017371443	<u>A61P 9 /-</u>	<u>B01D 53 /-</u>	2017337526	2017359995	2017349166
2017373758	2017345435	2017343763	2017339671	<u>B22F 9 /-</u>	<u>B29C 59 /-</u>
	2017350484		2017355635	2017347371	2017356334
<u>A61P 31 /-</u>	2017364818	<u>B01D 63 /-</u>	2018274955	<u>B23D 47 /-</u>	<u>B29C 64 /-</u>
2017339104	2017371443	2017336370		2017353727	2017353302
2017340028	2017373758		<u>B03D 1 /-</u>	<u>B23D 59 /-</u>	<u>B29C 67 /-</u>
2017341671	2017376900	<u>B01D 65 /-</u>	2017355407	2017353727	2017359995
2017360064		2017336370	2017363479	2017353727	2017359995
2017366621	<u>A61Q 11 /-</u>	<u>B01D 67 /-</u>	<u>B05B 1 /-</u>	<u>B23K 26 /-</u>	<u>B29K 23 /-</u>
	2016429362	2017336370	2017355407	2017355375	2017356334
<u>A61P 33 /-</u>	2017356880	2017354687	2017363479	2017355468	2017356334
2017341671	2017359156	<u>B01D 69 /-</u>	<u>B06B 1 /-</u>	2017355375	<u>B29K 67 /-</u>
	<u>A61Q 19 /-</u>	2017336370	2017349620	2017355468	2017356334
<u>A61P 35 /-</u>	2017359156	2017354687	<u>B07B 1 /-</u>	<u>B23K 9 /-</u>	<u>B29K 67 /-</u>
2017339856	<u>A61Q 5 /-</u>	2017336370	2016429662	2016430805	2017356334
2017341671	2017356412	2017354687	2017348762	2017357030	<u>B29L 31 /-</u>
2017342022	<u>A62B 17 /-</u>	<u>B01D 71 /-</u>	2017362464	<u>B23Q 11 /-</u>	2017356334
2017342027	2017353208	2017336370	<u>B07B 13 /-</u>	2017353727	<u>B30B 5 /-</u>
2017345574	<u>A62C 2 /-</u>	2017354687	2017348762	<u>B23Q 17 /-</u>	2017350612
2017348810	2017390677	<u>B01F 3 /-</u>	2018264305	2016427895	<u>B32B 27 /-</u>
2017353838	<u>A63G 25 /-</u>	2017344001	<u>B08B 1 /-</u>	2016427895	2017345380
2017353907	2017341624	2017353306	2017353312	<u>B25C 1 /-</u>	2017349166
2017354082	<u>A63G 33 /-</u>	<u>B01F 5 /-</u>	<u>B08B 7 /-</u>	2017343367	<u>B32B 3 /-</u>
2017354272	2017341624	2017350303	2017353312	2017382215	2016431602
2017356297	<u>A63H 27 /-</u>	<u>B01J 19 /-</u>	<u>B08B 9 /-</u>	<u>B25F 5 /-</u>	2017344759
2017356322	2017347371	2017347371	2018264305	2017348744	2017345380
2017359561	<u>A63H 3 /-</u>	<u>B01J 20 /-</u>	<u>B21B 1 /-</u>	<u>B25J 13 /-</u>	<u>B32B 5 /-</u>
2017360029	2017355950	2017349496	2017350512	2017378811	2016431601
2017361856	<u>B01D 11 /-</u>	2017354147	2017364679	<u>B25J 9 /-</u>	2016431602
2017363161	2017368264	<u>B01J 6 /-</u>	<u>B21B 3 /-</u>	2017359860	2016432050
2017363313	<u>B01D 15 /-</u>	2018207579	2017350512	<u>B26D 5 /-</u>	2017345380
2017364817	2017357865	<u>B01J 8 /-</u>	2017350512	2017344481	2017355549
2017364818	2017361526	2017347371	<u>B21B 47 /-</u>	<u>B26D 7 /-</u>	<u>B33Y 10 /-</u>
2017364964	2017364817	2017347371	2017364679	2016427895	2017353302
2017365116	2017364818	<u>B02C 13 /-</u>	<u>B21D 31 /-</u>		2017375046
2017366621	2017364964	2016430837	2017393921		<u>B33Y 30 /-</u>
2017371443	2017371182				2017353302
2017373758	2017371443				2017375046
	2017373758				
<u>A61P 37 /-</u>	<u>B01D 17 /-</u>				
2017341671	2017355407				
2017354272					
2017357865					
2017361526					
2017364817					
2017364818					
2017364964					
2017365116					
2017366621					
2017371443					
2017373758					
2017375949					
2017376900					
2017385543					
2018219637					

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B33Y 40 /-	B63H 5 /-	B65G 19 /-	B82Y 40 /-	C04B 35 /-	C07D 241 /-
2017375046	2017338597	2017358063	2017368072	2017400313	2017342928
B33Y 80 /-	B64D 25 /-	B65G 21 /-	C01B 15 /-	C04B 40 /-	C07D 261 /-
2017355375	2017350476	2017358063	2017362143	2017352825	2017371674
B42D 25 /-	B65B 1 /-	B65G 39 /-	C01B 21 /-	C04B 7 /-	C07D 271 /-
2017364312	2017361650	2017338802	2017362465	2017368745	2017345500
B60B 27 /-	B65B 13 /-	B65G 41 /-	C01B 3 /-	C05C 1 /-	C07D 277 /-
2017372587	2017356334	2017358063	2017347371 2017368745	2017362465	2017371674
B60P 1 /-	B65D 19 /-	B65G 43 /-	C01B 35 /-	C05C 9 /-	C07D 285 /-
2017342166 2017361114	2017352991 2017352992	2018282627	2017368072	2017362465	2017371674
B60P 3 /-	B65D 30 /-	B65G 47 /-	C01B 9 /-	C05F 7 /-	C07D 307 /-
2017342166	2017361365	2017361114	2017368264	2017400464	2017339104 2017363153
B60T 17 /-	B65D 47 /-	B65G 61 /-	C01C 1 /-	C07B 59 /-	C07D 311 /-
2016429776	2017361381 2017361383	2017361114	2017362465	2017363147	2017338514
B60W 10 /-	B65D 63 /-	B65G 69 /-	C01D 15 /-	C07C 15 /-	C07D 317 /-
2017353698	2017356334	2017361381 2017361383	2017357001	2017339104	2017362143
B60W 30 /-	B65D 75 /-	B65H 51 /-	C01D 5 /-	C07C 273 /-	C07D 333 /-
2017353698	2016429420	2016430805	2017357001	2017362465	2017339104
B60W 40 /-	B65D 77 /-	B65H 55 /-	C02F 1 /-	C07C 49 /-	C07D 401 /-
2017353698	2017369869	2017350881	2017344850 2017349496 2017349615 2017372932	2017363153	2017342928 2017348810 2017363313 2017373758
B62B 7 /-	B65D 83 /-	B65H 59 /-	C02F 103 /-	C07D 207 /-	C07D 403 /-
2017346934	2016429420 2017358549 2017363479	2016430805	2017349615	2018223116	C07D 209 /- C07D 403 /-
B62B 9 /-	B65D 85 /-	B66B 5 /-	C02F 3 /-	C07D 213 /-	C07D 405 /-
2017346934	2017350881 2017352036	2017358502	2017336370	2017339104 2017371443 2017371674 2017373758	2017348810 2017356887 2017359561 2017371443 2017371674 2017373758
B62D 13 /-	B65D 90 /-	B66F 7 /-	C02F 9 /-	C07D 231 /-	C07D 405 /-
2017353749	2017361381 2017361383	2017363993	2017349615	2017339104 2017373758 2017385543	2017359561 2017397463
B63B 21 /-	B65G 1 /-	B67D 1 /-	C03B 37 /-	C07D 233 /-	C07D 407 /-
2017338287	2017350303 2017369869	2017361114	2017341441	2017339104 2017373758 2017385543	C07D 407 /-
B63B 35 /-	B65G 13 /-	B67D 7 /-	C04B 111 /-	C07D 233 /-	C07D 413 /-
2016429336 2017338597	2017353094 2017361114	2017352825 2017352826	2017352825 2017352826	2017339104	2017356887
B63C 9 /-	B65G 15 /-	B82B 3 /-	C04B 18 /-	C07D 237 /-	C07D 413 /-
2017350476	2017358063	2017342257 2017361264	2017352825	2017371674	2017354873 2017359561 2017363313 2017371674 2017375949
B63G 8 /-	B65G 17 /-	B82Y 30 /-	C04B 28 /-	C07D 239 /-	C07D 417 /-
2017374757	2017338802 2017358063	2017368072	2017352825 2017352826	2017339104 2017354019 2017371674	2017354873 2017359561 2017374460
B63H 25 /-					
2017338597	2017358063	2017368072			

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2017375949	C07J 71 /-	C08B 37 /-	C12M 3 /-	C12P 21 /-	2017348982 2017364817
C07D 471 /-	2017359043	2017362951	2017348365 2017364195	2017371179 2017381656	C40B 40 /-
2017342022	C07J 9 /-	C08F 2 /-	C12N 1 /-	C12Q 1 /-	2017340028 2017364817
2017342027	2018212270	2017345913	2017340633	2017339984 2017345402	C40B 50 /-
2017350484	C07K 1 /-	C08G 75 /-	C12N 13 /-	2017345600 2017345813	2017340028
2017359561	2017358826	2017355487	2017355635	2017346486 2017347790	2017340028
2017363161	C07K 14 /-	C08J 5 /-	C12N 15 /-	2017351263 2017353838	D01D 1 /-
2017366621	2017340245	2017349166	2016427822 2017336100	2017353982 2017355460	D01D 5 /-
2017373758	2017342364	C08J 7 /-	2017340633 2017341028	2018209930	2017362758
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2017348826	2017350853	C08J 9 /-	2017347848 2017348982	2017351516	2017355249
2017354873	2017355564	2017354687	2017351263 2017353982	C22B 1 /-	D04B 3 /-
2017356887	2017356322	C08K 3 /-	2017355504 2017360064	2017388174	2017350881
2017364308	2017358282	C08L 101 /-	2017360064 2017363141	C22B 11 /-	D04H 1 /-
2017366400	2017358826	2017355249	2017363256 2017363278	2017354754	2017368450
2017373758	2017360064	C08L 33 /-	2017364817 2017364818	C22B 23 /-	D04H 17 /-
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C07D 493 /-	2017371179	2017348351	C12N 5 /-	2017357001	2017350881
2017338514	2017371516	C09D 13 /-	2016427822 2017340511	C22B 3 /-	D06F 33 /-
2017371674	2017372351	2017348093	2017340633 2017347854	2017349496 2017354147	2017338583 2017338584
C07D 498 /-	C07K 16 /-	C09K 15 /-	2017348306 2017353982	2017354754 2017355407	2017338585 2017338586
2017376900	2017341048	2017362143	2017356295 2017356297	C22C 38 /-	D06F 37 /-
C07F 9 /-	2017345759	C10L 1 /-	2017356942 2017358360	2017351516 2017355375	2017338583 2017338584
2017375033	2017345786	2017350022	2017359447 2017360064	2017364679	2017338585 2017338586
C07H 13 /-	2017348982	C10L 10 /-	2017363142 2017363256	C25B 11 /-	D06F 39 /-
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C07H 15 /-	2017354071	C10M 125 /-	2017371182 2018210326	C25B 15 /-	2017338585 2017338586
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2017397463	2017358360	2017357413	C12G 3 /-	2017372932	2017344481
C07H 21 /-	2017359439	C12N 9 /-	2017349303	C25C 7 /-	D06H 7 /-
2017353907	2017359944	C12P 11 /-	2017340064 2018210326	2017372932	2017344481
2017372351	2017361081	C12P 19 /-	C12P 11 /-	C30B 29 /-	D21C 3 /-
C07H 3 /-	2017362721	2017355460	C12P 19 /-	2017368072	2018207866
2017341671	2017363143	C11B 1 /-	C12P 19 /-	C40B 30 /-	
C07J 17 /-	2017363256	2017350022	2017355460	2017331281	
2017339510	2017363278	C11B 1 /-			
C07J 41 /-	2017364818	C12M 1 /-			
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C07J 41 /-	2017371182	2017345402 2017355449 2017364195			
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C07J 41 /-	2017381656	2017345402 2017355449 2017364195			
2017339510	C07K 19 /-	2017345402 2017355449 2017364195			
C07J 41 /-	2017357865	2017345402 2017355449 2017364195			
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C07J 41 /-	2017364818	2017345402 2017355449 2017364195			
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2017339510	C07K 7 /-	2017345402 2017355449 2017364195			
C07J 51 /-	2017340028	2017345402 2017355449 2017364195			
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	2017343752	2017345402 2017355449 2017364195			
	2017360064	2017345402 2017355449 2017364195			

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<u>D21C 9/-</u>	<u>E04B 9/-</u>	<u>E21B 33/-</u>	<u>F03D 13/-</u>	<u>F16L 3/-</u>	<u>F25B 13/-</u>
2017365745 2018207866	2018287680	2017349493 2017350520 2017350521	2017343328	2017345778	2017333909 2017338192
<u>D21H 17/-</u>	<u>E04C 2/-</u>	<u>E21B 34/-</u>	<u>F04B 43/-</u>	<u>F16L 39/-</u>	<u>F25B 41/-</u>
2017365745	2017352826 2017393921	2017349483 2017398082	2016429336	2017374756	2017338192
<u>D21H 21/-</u>	<u>E04C 3/-</u>	<u>E21B 41/-</u>	<u>F04D 29/-</u>	<u>F16L 5/-</u>	<u>F25B 43/-</u>
2017365745	2017393921	2017345778	2017365274	2017390677	2017338197
<u>E01B 9/-</u>	<u>E04F 15/-</u>	<u>E21B 43/-</u>	<u>F15B 15/-</u>	<u>F21V 7/-</u>	<u>F25B 49/-</u>
2017359912	2017344759	2017349483 2017349492 2017349493 2017349756 2017371720 2017382513 2018230978 2018230986	2016429776 2017343367	2017355468	2017333909 2017337372 2017338192
<u>E01C 1/-</u>	<u>E04H 12/-</u>	<u>E21B 44/-</u>	<u>F16B 13/-</u>	<u>F21Y 113/-</u>	<u>F25B 5/-</u>
2017341624	2017343328	2017352105	2017390376 2017390377 2017390378	2017348643	2017337372 2017338197
<u>E01C 11/-</u>	<u>E05B 15/-</u>	<u>E21B 47/-</u>	<u>F16B 25/-</u>	<u>F21Y 115/-</u>	<u>F25B 9/-</u>
2017344759	2017350878	2017350878	2017362872	2017348643	2017337372 2017338197
<u>E01C 13/-</u>	<u>E05B 3/-</u>	<u>E21B 49/-</u>	<u>F16B 31/-</u>	<u>F22B 1/-</u>	<u>F25B 9/-</u>
2017344759	2017350878	2017352105	2017390376 2017390377 2017390378	2017381019	2017356900
<u>E01C 19/-</u>	<u>E05B 65/-</u>	<u>E21B 7/-</u>	<u>F16B 37/-</u>	<u>F23C 3/-</u>	<u>F25D 17/-</u>
2017342738	2017350878	2016430878 2016434445 2017336309 2017345521 2017350932 2017351066 2017352106	2017390376 2017390377 2017390378	2017362882	2016433678
<u>E01C 23/-</u>	<u>E05B 9/-</u>	<u>E21D 11/-</u>	<u>F16B 5/-</u>	<u>F23D 14/-</u>	<u>F25D 23/-</u>
2017342738	2017350878	2017339155	2017371231	2017383864	2016429628 2016433678 2017365438
<u>E01C 7/-</u>	<u>E05C 3/-</u>	<u>E21D 9/-</u>	<u>F16C 17/-</u>	<u>F24C 15/-</u>	<u>F25D 25/-</u>
2017342738	2017350878	2017339155	2017351649	2017380531 2017381019	2016433678 2017365438
<u>E01F 9/-</u>	<u>E05F 1/-</u>	<u>E21D 9/-</u>	<u>F16C 17/-</u>	<u>F24C 3/-</u>	<u>F25D 3/-</u>
2017353312	2017363580	2017339155	2017351649	2017380531	2017365438
<u>E02B 17/-</u>	<u>E05F 15/-</u>	<u>E21D 9/-</u>	<u>F16C 32/-</u>	<u>F24C 7/-</u>	<u>F25D 31/-</u>
2017343328	2017363580	2017349756 2017350520	2017351649	2017380531 2017380938	2017365438
<u>E02D 13/-</u>	<u>E06B 9/-</u>	<u>E21D 11/-</u>	<u>F16C 33/-</u>	<u>F24D 5/-</u>	<u>F25J 1/-</u>
2016430886	2017371231	2017339155	2017360965	2017362882	2017340511
<u>E03B 5/-</u>	<u>E21B 15/-</u>	<u>E21F 13/-</u>	<u>F16D 41/-</u>	<u>F24F 11/-</u>	<u>F28B 11/-</u>
2016429336	2017345778	2017358063	2017351649 2017381319	2017333909 2017338197	2016433063
<u>E03D 1/-</u>	<u>E21B 19/-</u>	<u>F01D 11/-</u>	<u>F16J 12/-</u>	<u>F24F 13/-</u>	<u>F28F 27/-</u>
2017357537	2017351066	2017365274	2017350612	2018245359 2018259328 2018266025 2018266035	2016433063
<u>E03D 9/-</u>	<u>E21B 21/-</u>	<u>F01D 25/-</u>	<u>F16K 15/-</u>	<u>F24H 1/-</u>	<u>F41H 9/-</u>
2017377145	2017345521	2017365274	2017398082	2017355627	2017354117
<u>E03F 1/-</u>	<u>E21B 23/-</u>	<u>F01D 7/-</u>	<u>F16K 27/-</u>	<u>F25B 1/-</u>	<u>F42B 5/-</u>
2017342282	2018230978 2018230986	2017365274	2017398082	2017333909 2017338192 2017338197 2017356900	2017352845
<u>E04B 1/-</u>	<u>E21B 29/-</u>		<u>F16L 1/-</u>		<u>G01B 11/-</u>
2017352826 2017390677	2017350520	2017365274	2017371720		2016427895 2016433064

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<u>G01B 5 /-</u>	<u>G01N 3 /-</u>	2016430878	2016427835	<u>G06T 15 /-</u>	2017331281
2016427895	2017352105	2016434445			2017347790
	<u>G01N 30 /-</u>	2017348010	<u>G06F 3 /-</u>	2017351012	<u>G16C 10 /-</u>
<u>G01B 9 /-</u>		<u>G02B 21 /-</u>	2016429066	2017382489	
2017354910	2017378148		2017361061	<u>G06T 19 /-</u>	2017335721
2017357045		2017344741	2017365223		2017357923
	<u>G01N 31 /-</u>		2017374032	2016429066	
<u>G01C 21 /-</u>	2017360484	<u>G02B 26 /-</u>		<u>G06T 5 /-</u>	<u>G16H 10 /-</u>
2017345067		2017350884	<u>G06F 7 /-</u>		2017355314
2017362952	<u>G01N 33 /-</u>		2017343477	2017355449	
		<u>G02B 27 /-</u>		<u>G06T 7 /-</u>	<u>G21B 1 /-</u>
<u>G01D 5 /-</u>	2017339427		<u>G06F 9 /-</u>		2017347877
	2017341726	2017366896		2016426891	2017355652
2016433064	2017342257	2017367640	2017347578	2017345067	2017362979
2017358065	2017343670		2017349752	2017361061	
2017375602	2017345600	<u>G02B 6 /-</u>	2017384996	2017363608	<u>G21D 7 /-</u>
	2017345813				
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2017352106	2017353360		2017339402	2017374032	<u>H01F 1 /-</u>
	2017353982	<u>G02C 7 /-</u>			
<u>G01H 9 /-</u>	2017354071		<u>G06K 9 /-</u>	<u>G08B 13 /-</u>	2017351516
	2017355635	2017351635			
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<u>G01J 5 /-</u>	2017360484	<u>G05D 1 /-</u>	2017339402	<u>G08B 15 /-</u>	2017351516
	2017364817		2017361061		
2016426890	2017365928	2017345067	2018280235	2017353293	<u>H01J 7 /-</u>
		2017357923		2017354117	
<u>G01K 7 /-</u>	<u>G01R 31 /-</u>	<u>G05D 11 /-</u>	<u>G06N 3 /-</u>		2017355652
				<u>G08B 21 /-</u>	<u>H01L 21 /-</u>
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	2017355387		<u>G06N 7 /-</u>	2016430856	2017382494
<u>G01M 3 /-</u>	2017355390	<u>G05D 5 /-</u>			
	2017355393		2017355420	<u>G08G 1 /-</u>	<u>H01L 27 /-</u>
2016426890	2017355395	2017348355			2017382494
2017374756			<u>G06Q 10 /-</u>	2017362952	
<u>G01N 1 /-</u>	<u>G01R 33 /-</u>	<u>G06F 1 /-</u>		<u>G08G 5 /-</u>	<u>H01L 31 /-</u>
			2017345796		2016428163
2017368264	2017363244	2017348375	2017355314	2017345067	
	<u>G01S 1 /-</u>	<u>G06F 12 /-</u>	2017366668	<u>G09F 15 /-</u>	<u>H01M 10 /-</u>
<u>G01N 11 /-</u>			2017379313		
	2017390677	2017343477	<u>G06Q 20 /-</u>	2017353312	2016430985
2017361981					2017348745
	<u>G01S 11 /-</u>	<u>G06F 13 /-</u>	2017343475	<u>G09F 3 /-</u>	2017352947
<u>G01N 15 /-</u>			2017359004		2017355386
	2017384996	2017339273	2017382640	2016426891	2017355387
2017344741			2017382820		2017355390
2017352105	<u>G01S 13 /-</u>	<u>G06F 15 /-</u>	2017390725	<u>G09G 3 /-</u>	2017355393
2017352106			2018278316		2017355395
2017359569	2017362444	2017356154	<u>G06Q 30 /-</u>	2017361245	2018207579
	<u>G01S 17 /-</u>	2017375962			
<u>G01N 21 /-</u>		<u>G06F 16 /-</u>	2017339721	<u>G10K 11 /-</u>	<u>H01M 2 /-</u>
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2016426891		2016428136	2017366668	2017376276	2016430985
2017342257	<u>G01S 19 /-</u>	2017347797	2017382820		2017348744
2017351263		2017355420		<u>G10L 13 /-</u>	2017348745
2017355449	2016428527	2017356901	<u>G06Q 40 /-</u>		2017355395
2017358065		2017358691		2017386097	
2017378148	<u>G01S 3 /-</u>	2017379313	2017339721		<u>H01M 4 /-</u>
			2017349457	<u>G10L 15 /-</u>	
<u>G01N 27 /-</u>	2017399674	<u>G06F 17 /-</u>	2018258034		2017352947
				2017384993	2018207579
2017343670	<u>G01S 5 /-</u>	2016433063	<u>G06Q 50 /-</u>	2017386097	
2017355635		2017355420			<u>H01M 6 /-</u>
	2017399674		2016433064	<u>G11B 27 /-</u>	
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			2017355314	2016428136	
2017352106					

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2017384693	2017341105		2017355932
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H01R 12 /-	H04L 27 /-	H04R 25 /-	2017359390
2017377926	2016427493		2017366794
	2016428423	2017353693	H04W 88 /-
H01R 13 /-	2017354721	2017353702	
2017357030	2017354782	H04R 3 /-	2017340216
		2017339274	H04W 92 /-
H02J 3 /-	H04L 29 /-		2017359390
2017345388	2017338772	H04R 5 /-	
	2017343477	2017339273	H05B 3 /-
H02J 7 /-	2017375962		2017347919
2017342366	H04L 5 /-	H04R 9 /-	2017355627
2017348744	2017349476	2017339274	H05B 33 /-
2017348745	2017354782		2017348643
2017355386	H04L 9 /-	H04W 12 /-	
2017355395	2017352361	2017366794	H05B 37 /-
	2017366794	H04W 16 /-	2017348643
H02K 1 /-	H04M 3 /-	2016428185	H05B 6 /-
2017339586	2017338772	2016428424	2017374895
	2018305146	H04W 24 /-	2017381020
H02K 3 /-	H04N 13 /-	2016424804	H05H 1 /-
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	2017367640	2017354721	2017357030
H02K 5 /-	H04N 17 /-	H04W 28 /-	2017362979
2017351271	2017355533	2017353644	H05K 1 /-
H02M 1 /-	H04N 19 /-	H04W 36 /-	2017377926
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	2018205783	2017355140	2017377926
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2017362640	2016427820	2017338772	
	2016427835	2017355390	
H03M 13 /-	2016428136	2017355393	
2017352158	2017338896	2017355395	
2017374543	2017355533	H04W 52 /-	
	2017357923	2016424804	
H04B 1 /-	H04N 5 /-	H04W 56 /-	
2017348355	2016426890	2017359390	
	2016427820	H04W 60 /-	
H04B 7 /-	2017367640	2017340216	
2016428410	2017392150	H04W 72 /-	
2016428423	H04N 7 /-	2016424413	
2017353516	2017357923	2016428410	
2017353644	H04N 9 /-	2017349476	
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H04J 3 /-		2017353516	
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H04L 1 /-			
2017354782			
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 A61K 38/12 (2006.01)
 A61L 27/22 (2006.01)
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A61B 5/01 (2006.01)
A61B 18/04 (2006.01)
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 B65G 13/02 (2006.01)
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F02B 67/00 (2006.01)
F02D 35/00 (2006.01)
G01R 19/165 (2006.01)
H02P 9/04 (2006.01)
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G01P 11/00 (2006.01)
G05D 7/00 (2006.01)
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2013312359	Yale University; Institute for Research in Biomedicine (IRB); Regeneron Pharmaceuticals, Inc.	2014374601	KT&G Life Sciences Corporation
2013315787	Dynes Unlimited Products; Golf Laboratories, Inc.	2014385940	Rengo Co., Ltd.
2013317935	Google LLC	2014388961	Innovation Foods 360, S.L.
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2013351105	Centre National de la Recherche Scientifique; Universite Nice Sophia Antipolis; Universite Pierre et Marie Curie (Paris 6); Institut Curie; INSERM (Institut National de la Sante et de la Recherche Medicale)	2014390648	Specialized Desanders Inc.
2013362891	Microsoft Technology Licensing, LLC	2014391703	Separation Technologies LLC
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2014201249	SAMSUNG ELECTRONICS CO., LTD.	2014409571	Cytec Industries Inc.
2014203390	BIOSENSE WEBSTER (ISRAEL) LTD.	2014415279	Knauf Gips KG
2014207942	Samsung Electronics Co., Ltd.	2015200621	Intelligence on Wheels (IoW) GmbH
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2014240040	Medline Industries, Inc.	2015210418	Dart Industries Inc.
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2014284079	Chu Sainte-Justine	2015228371	ART Healthcare Ltd.
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2014306105	MacroGenics, Inc.	2015259236	Clopay Plastic Products Company, Inc.
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2016280765	ABB Schweiz AG	2017235391	Eurofilters Holding N.V.
2016289519	Innova Patent GmbH	2017236454	Dyson Technology Limited
2016289521	Innova Patent GmbH	2017239486	Galenagen, LLC
2016292786	Ab Initio Technology LLC	2017239508	Retrophin, Inc.
2016300181	Thule Sweden AB	2017239630	Chang, H.M.
2016303426	Polaris Industries Inc.	2017240274	CooperVision International Holding Company, LP
2016309833	Jinan University; Shanghai Institute of Materia Medica, Chinese Academy of Sciences	2017245341	Ampio Pharmaceuticals, Inc.
2016318468	Colgate-Palmolive Company	2017245410	CLARKE MOSQUITO CONTROL PRODUCTS, INC.
2016318839	Grirem Advanced Materials Co., Ltd.	2017245426	LifeCell Corporation
2016321148	Google LLC	2017245469	Merck Patent GmbH
2016321149	Google LLC	2017251718	Brown, D.
2016322190	JFE Steel Corporation	2017258984	Torqueedo GmbH
2016326685	ViaSat, Inc.	2017262638	Becton, Dickinson and Company
2016327589	Cryovac, LLC; Furukawa MFG. Co., Ltd.	2017265140	Xencor, Inc.
2016329034	Pfizer Inc.	2017279750	GEA Wiegand GmbH
2016332449	Freeport-McMoran Inc.	2017283768	Novartis AG
2016337485	Buffalo Filter LLC	2017294103	S.A. Lhoist Recherche et Developpement
2016344436	Baker Hughes, a GE Company, LLC	2017303625	Jin Rong Hua Le Metal Manufactures Co., Ltd. of Gaoming, Foshan City
2016344641	British American Tobacco (Investments) Limited	2017308144	Amazon Technologies, Inc.
2016351444	Verily Life Sciences LLC	2017311610	BEIJING DIDI INFINITY TECHNOLOGY AND DEVELOPMENT CO., LTD.
2016351551	Wright Medical Technology, Inc	2017321139	ExxonMobil Upstream Research Company
2016358853	Hilti Aktiengesellschaft	2017327003	Pindrop Security, Inc.
2016361112	Neodrill AS	2017330138	Lee, G.H.; Yu, G.; Daesan Biotech
2016362959	Victaulic Company	2017332524	Webser, G.; Keron, N.
2016367904	Livedo Corporation	2017335245	De Beers UK Limited
2016368317	Sunshine Lake Pharma Co., Ltd.	2017390082	Apple Inc.
2016373976	Warsaw Orthopedic, Inc.	2017393412	Martur Sunger Ve Koltuk Tesisleri Ticaret Ve Sanayi A.S.
2016381010	Dexcom, Inc.	2017396541	Xuzhou Coal Mine Safety Equipment Manufacture Co., Ltd.; China University of Mining and Technology
2016387360	NEC Corporation	2017407978	Dropbox, Inc.
2016390249	BEIJING DIDI INFINITY TECHNOLOGY AND DEVELOPMENT CO., LTD.		
2016400701	Honda Motor Co., Ltd.		
2016409887	Apple Inc.		
2017200455	Invisible Sentinel, Inc.		
2017200691	Organovo, Inc.		

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2018200552 Huawei Technologies Co., Ltd.
2018200754 Vale S.A.
2018201192 Sernova Corporation
2018201207 ShayoNano Singapore Pte Ltd
2018201469 Heraeus Medical GmbH
2018202081 Panasonic Intellectual Property Management Co., Ltd
2018202732 DEKA Products Limited Partnership
2018202865 Janssen Sciences Ireland UC
2018203539 BAROSSO, L.; BAROSSO, C.
2018203673 MOVI Workspace Pty Ltd
2018204513 Advanced Accelerator Applications USA, Inc.
2018204788 Integrated Plastics Pty Limited
2018208651 Cryovac, LLC
2018213991 Visa International Service Association; MasterCard International Incorporated
2018222882 Covidien LP
2018253514 Institute of Geology and Geophysics Chinese Academy of Sciences
2018253567 Pharmaceutical Manufacturing Research Services, Inc.
2018301903 Siren Cameras Pty Ltd
2019200139 Zhejiang Zhirui Technology Group Co., Ltd.
2019200142 Victaulic Company
2019200933 Digital Asset (Switzerland) GmbH
2019200934 Uber Technologies, Inc.
2019202021 Zhuji Yongyuan Bag Co., Ltd.
2019202095 Hangzhou Mulin Eyewear Co., Ltd.

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2015346161	<u>A23K 50 /-</u>			2017215682	2017245469	2017232058
<u>A01F 12 /-</u>	2014394376	<u>A47C 21 /-</u>	2014240040	<u>A61B 90 /-</u>	2017283768	2018201192
2015346161	<u>A23L 15 /-</u>			2018202865		
<u>A01G 13 /-</u>	2014388961	<u>A47C 31 /-</u>	2014240040	2017205165	<u>A61K 35 /-</u>	<u>A61L 29 /-</u>
2015271602	<u>A23L 19 /-</u>					2014303394
<u>A01G 25 /-</u>	2014388961	<u>A47C 31 /-</u>	2017215683	<u>A61F 13 /-</u>	2017200691	2014317859
2015270058	<u>A23L 27 /-</u>			2014258995	<u>A61K 38 /-</u>	<u>A61L 31 /-</u>
<u>A01K 23 /-</u>	2014394376	<u>A47G 19 /-</u>	2014295048	2014293635		2014303394
2014288496	2015308494		2015210418	2014332820	2014228477	2015308795
<u>A01K 67 /-</u>	2015308494	<u>A47F 5 /-</u>	2013405738	2016367904	2014258995	
2013312359	<u>A23L 29 /-</u>			2017245426	2015206890	<u>A61L 9 /-</u>
<u>A01K 7 /-</u>	2015308494	<u>A47G 23 /-</u>	2014295048	<u>A61F 2 /-</u>	2015229549	
2017204521	<u>A23L 33 /-</u>			2014241883	2015255068	2015266601
<u>A01K 97 /-</u>	2015308494	<u>A47G 9 /-</u>	2014295048	2014360359	2017204267	
2018301903	<u>A23L 5 /-</u>			2015215634	2017225031	<u>A61M 1 /-</u>
<u>A01N 25 /-</u>	2015373527	<u>A47J 31 /-</u>	2015261073	2016204937	2017239486	
2014367924	2016344641			2016373976	2017245341	2016337485
2015314041	<u>A24F 47 /-</u>	<u>A47J 47 /-</u>	2015261073	2017202405	<u>A61K 39 /-</u>	<u>A61M 21 /-</u>
<u>A01N 59 /-</u>	2017236454			2017202750		2017215683
2015413279	<u>A46B 15 /-</u>	<u>A47L 15 /-</u>	2013407892	2017203213	2013293570	
<u>A01N 63 /-</u>	2016318468			2018201469	2013312359	<u>A61M 25 /-</u>
2017239486	<u>A46B 3 /-</u>	<u>A47L 9 /-</u>	2017235391	<u>A61F 5 /-</u>	2014284079	
<u>A01N 65 /-</u>	2015412577			2014293635	2014298978	2014317859
2015314041	<u>A46B 5 /-</u>	<u>A47J 47 /-</u>	2015210418	2014333983	2014306105	2015315658
2017245410	<u>A46B 7 /-</u>			2017215679	2016329034	2017225031
<u>A01P 17 /-</u>	2015412577	<u>A47L 15 /-</u>	2013407892	<u>A61F 6 /-</u>	2017204663	2017262638
2015314041	<u>A46B 9 /-</u>			2014337092	<u>A61K 47 /-</u>	<u>A61M 29 /-</u>
<u>A01P 21 /-</u>	2015412577	<u>A47L 9 /-</u>	2017235391	<u>A61F 7 /-</u>		2014317859
2015314041	2015412577			2014389452	2014251532	<u>A61M 39 /-</u>
<u>A22C 25 /-</u>	2016318468	<u>A47L 9 /-</u>	2017235391	2017202750	2014285324	
2015385155	<u>A46D 1 /-</u>			<u>A61G 7 /-</u>	2014289185	<u>A61M 5 /-</u>
<u>A23B 5 /-</u>	2016318468	<u>A61B 17 /-</u>	2014346778		2014303394	2015320583
2014388961	<u>A47B 21 /-</u>		2014365369	<u>A61G 5 /-</u>	2014313287	
<u>A23F 3 /-</u>	2018203673	<u>A61B 18 /-</u>	2015200959	2014293635	2014333763	<u>A61M 5 /-</u>
2015308494	<u>A47C 17 /-</u>		2016351551	2014333983	2016329034	
<u>A23K 10 /-</u>	2017215683	<u>A61B 34 /-</u>	2017202750	2017215679	<u>A61K 51 /-</u>	<u>A61M 29 /-</u>
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			2017245426	<u>A61J 15 /-</u>	2014340182	2014342231
			2018222882		2018204513	2014348292
			2018222882	2015228371	<u>A61K 9 /-</u>	2015274723
			2018222882	<u>A61K 31 /-</u>		2015333644
			2018222882		2014251532	2016337485
			2018222882		2014285324	2017203284
			2018222882		2014289185	<u>A61N 1 /-</u>
			2018222882		2014303394	2014397167
			2018222882		2014313287	2015315658
			2018222882		2017225031	2017202750
			2018222882		2018253567	
			2018222882		<u>A61L 15 /-</u>	<u>A61N 5 /-</u>
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			2018222882		2015308795	
			2018222882		<u>A61L 2 /-</u>	<u>A61P 11 /-</u>
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			2018222882		2015266601	<u>A61P 19 /-</u>
			2018222882		2017239486	
			2018222882		<u>A61L 24 /-</u>	
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			2018222882		2014293635	2017204267
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			2018222882			<u>A61P 21 /-</u>
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2014285324	<u>B01D 19 /-</u>	2015290193	2017229448	<u>B61L 23 /-</u>	<u>B65D 19 /-</u>
<u>A61P 25 /-</u>	2016337485	<u>B05B 15 /-</u>	<u>B29C 49 /-</u>	2015200621	2017204012
2015311826	<u>B01D 21 /-</u>	2015290193	2018204788	<u>B62D 23 /-</u>	<u>B65D 39 /-</u>
2017239508	2014390648	<u>B07C 3 /-</u>	<u>B29C 63 /-</u>	2016303426	2015273600
2018253567	2017201985	2017308144	2017229448	<u>B62D 33 /-</u>	<u>B65D 45 /-</u>
<u>A61P 27 /-</u>	<u>B01D 29 /-</u>	<u>B07C 5 /-</u>	<u>B29D 23 /-</u>	2016303426	2015273600
2014361790	2016337485	2017335245	2017229448	<u>B62J 99 /-</u>	<u>B65D 47 /-</u>
<u>A61P 3 /-</u>	<u>B01D 3 /-</u>	<u>B08B 3 /-</u>	<u>B32B 1 /-</u>	2016400701	2014368816
2014274817	2017239630	2015290193	2017229448	<u>B62K 15 /-</u>	2014368818
2014374601	2017279750	<u>B21D 15 /-</u>	<u>B32B 27 /-</u>	2015365781	<u>B65D 5 /-</u>
2015206890	<u>B01D 45 /-</u>	2016362959	2015259236	<u>B62K 19 /-</u>	2014385940
<u>A61P 31 /-</u>	2014390648	<u>B21D 17 /-</u>	2018208651	2016400701	2015257421
2016368317	<u>B01D 46 /-</u>	2016362959	<u>B43K 24 /-</u>	<u>B62K 25 /-</u>	<u>B65D 51 /-</u>
2017239486	2016337485	<u>B21H 1 /-</u>	2019202095	2016400701	2014368816
2017283768	<u>B01D 53 /-</u>	2016362959	<u>B43K 5 /-</u>	<u>B62K 3 /-</u>	2014368818
2018202865	2014366885	<u>B23K 101 /-</u>	2019202021	2015365781	<u>B65D 55 /-</u>
<u>A61P 33 /-</u>	<u>B01F 1 /-</u>	2017221247	<u>B43K 7 /-</u>	2016400701	2015273600
2015224925	2015290242	<u>B23K 103 /-</u>	2019202095	<u>B62M 7 /-</u>	<u>B65D 6 /-</u>
2015311826	<u>B01F 13 /-</u>	2017221247	<u>B60B 3 /-</u>	2016400701	2017303625
<u>A61P 35 /-</u>	2018201469	2017221247	2015354391	<u>B63B 21 /-</u>	<u>B65D 75 /-</u>
2014228477	<u>B01F 15 /-</u>	2017221247	<u>B60D 1 /-</u>	2016277180	2017240274
2014253348	2018201469	<u>B23Q 3 /-</u>	2017332524	<u>B63H 20 /-</u>	<u>B65D 83 /-</u>
2014274940	<u>B01F 5 /-</u>	2015203081	<u>B60J 7 /-</u>	2017258984	2015362122
2014333763	2015290242	2015203081	2016303426	<u>B63H 21 /-</u>	<u>B65D 90 /-</u>
2015311826	<u>B01J 21 /-</u>	<u>B25B 11 /-</u>	<u>B60N 2 /-</u>	2015273600	2014328107
2016309833	2017201051	2015203081	2017393412	2017258984	<u>B65G 1 /-</u>
2017206213	<u>B01J 23 /-</u>	<u>B25J 15 /-</u>	<u>B60R 25 /-</u>	2015295106	2017308144
2017245469	2017201051	2019200139	2015274445	<u>B65B 31 /-</u>	<u>B65G 13 /-</u>
2018204513	<u>B01J 35 /-</u>	<u>B25J 18 /-</u>	<u>B60R 9 /-</u>	2016327589	2017308144
<u>A61P 9 /-</u>	2017201051	2019200139	2016300181	<u>B65B 51 /-</u>	<u>B65G 15 /-</u>
2014303394	<u>B01J 37 /-</u>	2014329381	<u>B61B 12 /-</u>	2016327589	2014391703
2017225031	2017201051	<u>B25J 9 /-</u>	2016289519	<u>B65B 59 /-</u>	<u>B65G 17 /-</u>
<u>A62B 18 /-</u>	2017201051	2014329381	2016289521	2016327589	2018200754
2016277663	<u>B01J 8 /-</u>	<u>B28B 1 /-</u>	<u>B61B 13 /-</u>	2016327589	<u>B65G 23 /-</u>
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2016277663	<u>B03C 7 /-</u>	2014415279	<u>B61C 11 /-</u>	2016327589	<u>B65G 43 /-</u>
<u>A63B 21 /-</u>	2014391703	<u>B28B 23 /-</u>	2017308144	<u>B65B 7 /-</u>	2017308144
2014223846	<u>B03D 3 /-</u>			2016327589	
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2015303493	2017294103	2014340182	2014298633	2013302512	<u>C40B 50 /-</u>
<u>B65H 3 /-</u>	<u>C04B 18 /-</u>	<u>C07D 401 /-</u>	<u>C08J 5 /-</u>	2017200691	2013351105
2017229191	2017294103	2016309833	2015259236	<u>C12P 19 /-</u>	<u>E01C 19 /-</u>
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2016269615	2014415279	<u>C07D 403 /-</u>	2018201207	<u>C12P 21 /-</u>	<u>E01F 9 /-</u>
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<u>B66D 1 /-</u>	2014367924	<u>C07D 405 /-</u>	2017203284	<u>C12Q 1 /-</u>	<u>E02D 27 /-</u>
2017202443	<u>C05G 5 /-</u>	2017245469	2017203284	2013235340	2015271602
<u>B82Y 30 /-</u>	2014367924	<u>C07D 413 /-</u>	<u>C08L 23 /-</u>	2013327058	2016277180
2017201051	<u>C07B 59 /-</u>	2014374601	2017203284	2014284079	2016361112
2018201207	2018204513	2017206213	<u>C08L 27 /-</u>	2015248673	<u>E02D 3 /-</u>
<u>B82Y 40 /-</u>	<u>C07C 233 /-</u>	2017245469	2017203284	<u>C12R 1 /-</u>	2017223898
2014303394	2015224925	<u>C07D 417 /-</u>	<u>C08L 53 /-</u>	2013351105	<u>E02F 3 /-</u>
2017201051	<u>C07C 69 /-</u>	2017245469	2017203284	<u>C21D 6 /-</u>	2018200754
<u>B82Y 5 /-</u>	2017251718	<u>C07D 471 /-</u>	<u>C08L 83 /-</u>	2016322190	<u>E02F 9 /-</u>
2014303394	<u>C07D 207 /-</u>	2015311826	2015366559	<u>C21D 8 /-</u>	2016216347
<u>C01B 25 /-</u>	2018202865	2016368317	<u>C09C 1 /-</u>	2016322190	2018200754
2015217240	<u>C07D 213 /-</u>	<u>C07D 487 /-</u>	2018201207	<u>C21D 9 /-</u>	<u>E03D 11 /-</u>
<u>C01B 3 /-</u>	2015224925	2014333763	<u>C09D 1 /-</u>	2016322190	2015266275
2014366885	<u>C07D 215 /-</u>	2015311826	2018201207	<u>C22B 1 /-</u>	2015266276
2017201051	2016309833	2016309833	<u>C09D 167 /-</u>	2017294103	<u>E04B 2 /-</u>
<u>C01F 11 /-</u>	<u>C07D 231 /-</u>	<u>C07D 519 /-</u>	2017229448	<u>C22C 38 /-</u>	2016358853
2017294103	2015224925	2014333763	<u>C09J 183 /-</u>	<u>C23F 14 /-</u>	<u>E04F 15 /-</u>
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2017294103	2017239508	<u>C07F 7 /-</u>	2018201207	<u>C23F 15 /-</u>	<u>E04G 25 /-</u>
<u>C01F 7 /-</u>	2014298633	<u>C07F 9 /-</u>	<u>C10K 1 /-</u>	2014409571	2015252749
2014409571	<u>C07D 241 /-</u>	2017239508	2014366885	2015217240	<u>E04H 12 /-</u>
<u>C02F 1 /-</u>	2015224925	<u>C07H 21 /-</u>	2014366885	<u>C23F 15 /-</u>	2015271602
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2015290242	<u>C07D 239 /-</u>	2014284079	2016235264	<u>C25B 1 /-</u>	2015290242
2017201985	2015224925	<u>C07J 5 /-</u>	<u>C12G 3 /-</u>	2017229289	2015290242
2017239630	2017245469	2014361790	2017279750	<u>C25B 15 /-</u>	<u>E06B 7 /-</u>
<u>C02F 11 /-</u>	<u>C07D 241 /-</u>	<u>C07K 14 /-</u>	<u>C12N 1 /-</u>	2017229289	2015238382
2017201985	2015224925	2013293570	2013351105	<u>C25B 3 /-</u>	<u>E06B 9 /-</u>
<u>C02F 5 /-</u>	<u>C07D 261 /-</u>	2015206890	<u>C12N 11 /-</u>	2017229289	2014200564
2014409571	2017283768	<u>C07K 16 /-</u>	2017239486	<u>C25B 9 /-</u>	<u>E21B 17 /-</u>
2015217240	<u>C07D 263 /-</u>	2017204663	<u>C12N 15 /-</u>	2017229289	2016241774
<u>C02F 9 /-</u>	2014374601	2017265140	2013235340	<u>C40B 30 /-</u>	<u>E21B 21 /-</u>
2016318839	2015224925	<u>C07K 7 /-</u>	2013293570	2014286889	2015264330
<u>C04B 11 /-</u>	<u>C07D 277 /-</u>	2015229549	2014236207	<u>C40B 40 /-</u>	<u>E21B 28 /-</u>
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2015280772			2015201466	2017330138	<u>G10L 17 /-</u>
2015385847	2016218955	<u>F25B 5 /-</u>	2015213260	2018200754	
2016277180	<u>F16B 39 /-</u>	2015208087	<u>G01S 7 /-</u>	<u>G06F 21 /-</u>	2017327003
2016344436			2014369003	2013317935	<u>G10L 19 /-</u>
2016361112	2015354391	<u>F41H 5 /-</u>	<u>G02C 7 /-</u>	2019200933	2018200552
<u>E21B 34 /-</u>	<u>F16C 39 /-</u>	2015212335	2016351444	<u>G06F 3 /-</u>	<u>G16H 10 /-</u>
2015385847			<u>G02F 1 /-</u>	2014201249	2018202732
<u>E21B 41 /-</u>	<u>F16F 9 /-</u>	2015398811	2016351444	2014207942	
2016277180			2017204170	2014213692	<u>G16H 40 /-</u>
2016361112	2015377575	<u>G01F 1 /-</u>	<u>G06F 9 /-</u>	2017330138	2018202732
<u>E21B 43 /-</u>	<u>F16G 1 /-</u>	2015217920	<u>G03B 17 /-</u>	2014213692	<u>G21F 5 /-</u>
2014409559	2014391703	<u>G01F 15 /-</u>	2018301903	2014360106	2014342231
2015263771	<u>F16K 11 /-</u>	2015217920	<u>G03G 15 /-</u>	2016267247	
2015286164				2016292786	<u>H01H 33 /-</u>
2015355495	2016218955	<u>G01H 1 /-</u>	2017208233	<u>G06K 9 /-</u>	2016280765
<u>E21B 47 /-</u>	<u>F16K 27 /-</u>	2018253514	<u>G05B 15 /-</u>	2017407978	<u>H01L 23 /-</u>
2017321139				<u>G06Q 20 /-</u>	2017204170
<u>E21B 7 /-</u>	<u>F16K 3 /-</u>	2014389452	<u>G05B 17 /-</u>	2017203812	<u>H01L 25 /-</u>
2016361112				2018213991	
<u>E21C 35 /-</u>	<u>F16K 31 /-</u>	2015398811	<u>G05B 23 /-</u>	<u>G06Q 40 /-</u>	2017204170
2016332449				2017203812	<u>H01L 27 /-</u>
2016332449	2017204521	<u>G01N 1 /-</u>	2015266601	<u>G06T 7 /-</u>	2017204170
<u>E21C 41 /-</u>	2017229191	2016381010	2016269615		<u>H01L 33 /-</u>
2016332449	<u>F16K 51 /-</u>	<u>G01N 22 /-</u>	<u>G05D 1 /-</u>	2014220480	
<u>E21D 15 /-</u>				2017308144	2017204170
2015252749	2016327589	2015217920	2019200934	<u>G07C 9 /-</u>	<u>H01R 13 /-</u>
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2017202443				<u>G07F 11 /-</u>	<u>H02B 13 /-</u>
<u>F01D 25 /-</u>	2016241774	2013315787	2018200754	2015232850	2016280765
2017204641	<u>F16L 15 /-</u>	2014284079	<u>G05D 7 /-</u>	<u>G07F 17 /-</u>	<u>H02G 1 /-</u>
<u>F02B 67 /-</u>		2016329034		2017204824	2017201903
2015284542	<u>F16L 21 /-</u>	2017200455	<u>G06F 11 /-</u>	<u>G08B 13 /-</u>	<u>H02J 1 /-</u>
<u>F02D 29 /-</u>	2019200142	2018200754	2013362891	2015289983	2015273600
2015284542	<u>F16L 23 /-</u>	<u>G01R 19 /-</u>	<u>G06F 12 /-</u>	<u>G08B 21 /-</u>	<u>H02J 3 /-</u>
<u>F02D 35 /-</u>	2016273662	2015284542	2018253514	2015200621	2018202081
2015284542	<u>F16L 57 /-</u>	<u>G01R 31 /-</u>	<u>G06F 13 /-</u>	<u>G08G 1 /-</u>	<u>H02J 50 /-</u>
<u>F02M 25 /-</u>	2016273662	2014221310	2017204159	2016390249	2017240274
2015249640	<u>F16L 58 /-</u>	<u>G01R 33 /-</u>	<u>G06F 15 /-</u>	<u>G09B 15 /-</u>	
<u>F02M 27 /-</u>	2016273662	2017203614	2016267247	2018203539	2015273600
2015249640			2016270135	<u>G09G 3 /-</u>	2017205843
<u>F02M 33 /-</u>	2016273662	<u>G01S 1 /-</u>	2016292786	2017204170	2018202081
2016344436	<u>F16L 9 /-</u>	2014360691	<u>G06F 16 /-</u>		
2016361112			<u>G06F 17 /-</u>		
<u>E21B 33 /-</u>	2016273662	<u>G01S 17 /-</u>			<u>H02K 7 /-</u>
<u>E21B 41 /-</u>	<u>F25B 1 /-</u>	2014369003			

Applications Accepted - IPC Index cont'd

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H04R 9 /-

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H04W 28 /-

2016270135

H04W 4 /-

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2017311610

H04W 72 /-

2015413546

2016387360

H04W 88 /-

Opposition Proceedings

(The name in parentheses is that of the opponent)

Opposition Lodged

- 2016387082 **GD Midea Environment Appliances MFG. Co., Ltd.; Midea Group Co., Ltd.** (Brilliant Lighting (Aust) Pty Ltd)
- 2017201340 **AKER Biomarine Antarctic AS** (Rimfrost AS)

Patents Granted

Standard Patents

2012384518	2013216651	2013224027	2013227985
2013256496	2013260711	2013263770	2013270593
2013276998	2013278008	2013299910	2013312538
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2014202161	2014203047	2014203279	2014207696
2014217942	2014218359	2014218525	2014218854
2014221220	2014228553	2014229072	2014231343
2014232162	2014233628	2014234105	2014235933
2014236385	2014237934	2014239994	2014240039
2014241067	2014243700	2014247189	2014249471
2014251296	2014257365	2014262272	2014262275
2014268322	2014269935	2014274146	2014277682
2014287209	2014291873	2014293015	2014296417
2014298486	2014299300	2014300648	2014302193
2014302199	2014304086	2014304154	2014305623
2014307105	2014308938	2014311558	2014313885
2014314154	2014315280	2014315695	2014316793
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2014331863	2014332346	2014332369	2014337067
2014337433	2014338811	2014339972	2014343391
2014344726	2014344802	2014345570	2014345595
2014346476	2014348645	2014351980	2014356098
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2015377106	2015377503	2015377617	2015380923
2015393626	2015394928	2015397127	2015399265
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Patents Granted

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2016358512	2016359906	2016362648	2016364101
2016365274	2016372321	2016372873	2016373855
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2016398373	2017200203	2017200227	2017200392
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2017201071	2017201267	2017201285	2017201585
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2017202683	2017202738	2017202754	2017203171
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2017219133	2017219146	2017221857	2017223495
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2018201517	2018202790	2018202920	2018204343
2018205193	2018211227	2018223047	2018236721
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2019100328	2019100374	2019100377	2019100381
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- 1998092783 THOMSON Licensing S.A. The patent has been assigned to **Interdigital CE Patent Holdings**
- 1999026360 THOMSON Licensing S.A. The patent has been assigned to **Interdigital CE Patent Holdings**
- 1999047940 THOMSON Licensing S.A. The patent has been assigned to **Interdigital CE Patent Holdings**
- 1999047944 THOMSON Licensing S.A. The patent has been assigned to **Interdigital CE Patent Holdings**
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- 2000021247 THOMSON Licensing S.A. The patent has been assigned to **Interdigital CE Patent Holdings**
- 2000036816 Samsung Electronics Co., Ltd. The patent has been assigned to **Huawei Technologies Co., Ltd.**
- 2000043835 Thomson Licensing S.A. The patent has been assigned to **Interdigital CE Patent Holdings**

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2000064687 Sigma Tau-Industrie Farmaceutiche Riunite S.p.A. The patent has been assigned to **Alfasigma S.p.A**

2000073470 Sigma Tau-Industrie Farmaceutiche Riunite S.p.A. The patent has been assigned to **Alfasigma S.p.A**

2001031835 THOMSON Licensing The patent has been assigned to **Interdigital CE Patent Holdings**

2001052535 Sigma Tau-Industrie Farmaceutiche Riunite S.p.A. The patent has been assigned to **Alfasigma S.p.A**

2001060603 Sigma-Tau Industrie Farmaceutiche Riunite S.p.A. The patent has been assigned to **Alfasigma S.p.A**

2002038188 Thomson Licensing S.A. The patent has been assigned to **Interdigital CE Patent Holdings**

2002331421 Garford Pty Ltd The patent has been assigned to **Garock Pty Ltd.**

2002360105 THOMSON Licensing S.A. The patent has been assigned to **Interdigital CE Patent Holdings**

2003208061 Sandvik Mining & Construction Australia (Production/Supply) Pty Ltd The patent has been assigned to **Conv Australia Holding Pty Ltd**

2003245925 THOMSON Licensing S.A. The patent has been assigned to **Interdigital CE Patent Holdings**

2003278821 Scott Technologies, Inc. The patent has been assigned to **Detcon, Inc.**

2003279350 Thomson Licensing S.A. The patent has been assigned to **Interdigital CE Patent Holdings**

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2004240179 Kitchen King Limited The patent has been assigned to **Bluewater Rise Investments Limited**

2004270321 Sandvik Mining and Construction Supply GmbH The patent has been assigned to **Conv Australia Holding Pty Ltd**

2004300704 THOMSON Licensing S.A. The patent has been assigned to **Interdigital CE Patent Holdings**

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2005241837 Samsung Electronics Co., Ltd. The patent has been assigned to **Huawei Technologies Co., Ltd.**

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2006205232 Corpak Medsystems, Inc. The patent has been assigned to **Avent, Inc.**

Assignments Registered

2006261290 THOMSON Licensing The patent has been assigned to **Interdigital CE Patent Holdings**

2006262638 NCR Corporation The patent has been assigned to **Iconex LLC**

2006334660 THOMSON Licensing The patent has been assigned to **Interdigital CE Patent Holdings**

2007231647 THOMSON Licensing The patent has been assigned to **Interdigital CE Patent Holdings**

2007233555 Garford Pty Ltd The patent has been assigned to **Garock Pty Ltd.**

2007251822 MaBel GmbH The patent has been assigned to **Curadis GmbH**

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2007294408 Corpak Medsystems, Inc. The patent has been assigned to **Avent, Inc.**

2007335296 SAMSUNG ELECTRONICS CO., LTD. The patent has been assigned to **Huawei Technologies Co., Ltd.**

2008234418 HYBRIDAUTO PTY LTD The patent has been assigned to **Launchpoint Technologies Inc.**

2008250391 THOMSON Licensing The patent has been assigned to **Interdigital CE Patent Holdings**

2008289848 Sumitomo (SEI) Steel Wire Corp. The patent has been assigned to **Sumitomo Electric Industries, Ltd.**

2008323199 Procima GmbH The patent has been assigned to **Curadis GmbH**

2008358409 Thomson Licensing The patent has been assigned to **Interdigital CE Patent Holdings**

2008358410 Thomson Licensing The patent has been assigned to **Interdigital CE Patent Holdings**

2009200306 Sandvik Mining & Construction Australia (Production/Supply) Pty Ltd The patent has been assigned to **Conv Australia Holding Pty Ltd**

2009208064 THOMSON Licensing The patent has been assigned to **Interdigital CE Patent Holdings**

2009212921 Thomson Licensing The patent has been assigned to **Interdigital CE Patent Holdings**

2009319240 Drinagh Design Limited The patent has been assigned to **M3 Global Flood Technologies Limited**

2009331686 THOMSON Licensing The patent has been assigned to **Interdigital CE Patent Holdings**

2010201756 THOMSON Licensing S.A. The patent has been assigned to **Interdigital CE Patent Holdings**

2010202493 Thomson Licensing The patent has been assigned to **Interdigital CE Patent Holdings**

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2010294783 THOMSON Licensing The patent has been assigned to **Interdigital CE Patent Holdings**

2010305529 THOMSON Licensing The patent has been assigned to **Interdigital CE Patent Holdings**

2010314174 Bluewater Design Associates Limited The patent has been assigned to **M3 Global Flood Technologies Limited**

2010366331 THOMSON Licensing The patent has been assigned to **Interdigital CE Patent Holdings**

2011100557 Kitchen King Limited The patent has been assigned to **Bluewater Rise Investments Limited**

2011201501 Wondergem, Anthony The patent has been assigned to **Driffill, Ian**

2011231078 Global Action Care Limited The patent has been assigned to **The Dream Seed Company LLC**

2011234163 Thomson Licensing The patent has been assigned to **Interdigital CE Patent Holdings**

2011253986 THOMSON Licensing S.A. The patent has been assigned to **Interdigital CE Patent Holdings**

2011265956 College of Medicine Pochon Cha University Industry-Academic Cooperation Foundation The patent has been assigned to **Cha Biotech Co. Ltd.**

2011311920 Nivalis Therapeutics, Inc. The patent has been assigned to **Laurel Therapeutics Ltd**

2011315435 Thomson Licensing The patent has been assigned to **Interdigital CE Patent Holdings**

2011323740 Synthetic Genomics, Inc. The patent has been assigned to **Monsanto Technology LLC**

2011376198 THOMSON Licensing The patent has been assigned to **Interdigital CE Patent Holdings**

2011382248 Thomson Licensing The patent has been assigned to **Interdigital CE Patent Holdings**

2012100163 Kitchen King Limited The patent has been assigned to **Bluewater Rise Investments Limited**

2012200729 THOMSON Licensing S.A. The patent has been assigned to **Interdigital CE Patent Holdings**

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2012202990 Corpak Medsystems, Inc. The patent has been assigned to **Avent, Inc.**

2012212420 Scott Technologies, Inc. The patent has been assigned to **Detcon, Inc.**

2012216546 THOMSON Licensing S.A. The patent has been assigned to **Interdigital CE Patent Holdings**

2012216592 THOMSON Licensing S.A. The patent has been assigned to **Interdigital CE Patent Holdings**

2012322441 The Royal Veterinary College The patent has been assigned to **Tecrea Limited**

2012348559 Essilor International (Compagnie Generale d'Optique); Sorbonne Université The patent has been assigned to **Essilor International; Sorbonne Université**

2013283255 Thomson Licensing The patent has been assigned to **Interdigital CE Patent Holdings**

2013381005 Thomson Licensing The patent has been assigned to **Interdigital CE Patent Holdings**

2014101330 Naturo Pty Ltd The patent has been assigned to **Naturo Innovations Pty Ltd**

2014217493 Yitzhak, Hamutal; Kesler, Uriel The patent has been assigned to **Else Nutrition GH Ltd**

2014226216 Scott Technologies, Inc. The patent has been assigned to **Detcon, Inc.**

2014226646 REVOLUTIONARY BEEKEEPING LIMITED The patent has been assigned to **SOUTHERN PASTURES INVESTMENTS LIMITED PARTNERSHIP**

2014240491 Scott Technologies, Inc. The patent has been assigned to **Detcon, Inc.**

2015203381 THOMSON Licensing The patent has been assigned to **Interdigital CE Patent Holdings**

2015224464 Nivalis Therapeutics, Inc. The patent has been assigned to **Laurel Therapeutics Ltd**

2015234580 Freed, Darren The patent has been assigned to **Tevosol, Inc.**

2015245952 Naturo All Natural Technologies Pty. Ltd. The patent has been assigned to **Naturo Innovations Pty Ltd**

2015261550 Scott Technologies, Inc. The patent has been assigned to **Detcon, Inc.**

2015336862 Freed, Darren The patent has been assigned to **Tevosol, Inc.**

2016204537 Bimini Technologies LLC The patent has been assigned to **Puregraft LLC**

2016206284 Adaptive Spectrum and Signal Alignment Inc. The patent has been assigned to **ASSIA SPE, LLC**

2016213912 Adaptive Spectrum and Signal Alignment, Inc. The patent has been assigned to **ASSIA SPE, LLC**

2016222369 Adaptive Spectrum and Signal Alignment, Inc. The patent has been assigned to **ASSIA SPE, LLC**

Extensions of Term of Standard Patents

Extension of Term of a Standard Patent relating to Pharmaceutical Substances

Applications Accepted

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

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

2012273515 **Swedish Orphan Biovitrum International AB**

The earliest first regulatory approval date provided by the patentee 26 Feb 2019

For the goods ORFADIN nitisinone

Address for service : Spruson & Ferguson GPO Box 3898 Sydney NSW 2001 AU

Corrigenda

In Vol 31 , No 3 , Page(s) 367 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name DuPont Nutrition Biosciences ApS, Application No. 2015279261, under INID (72) correct the co-inventor to Gimenez-Rico, Rafael Duran

In Vol 33 , No 11 , Page(s) 1565 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name, Deepwater Oil Tools Ltd., Application No. 2017318540, under INID (71) correct the applicant name to DeltaTek Oil Tools Limited

In Vol 33 , No 15 , Page(s) 2119 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Commonwealth Scientific and Industrial Research Organisation, Application No. 2017341673, under INID (72) add co-inventor Brosnan, Stephen John

In Vol 33 , No 16 , Page(s) 2352 under the heading **PCT applications that have entered the National Phase - Name Index** Under the name Molnycke Health Care AB, Application No. 2017363960, under INID (71), correct applicant name to Mölnlycke Health Care AB

In Vol 33 , No 18 , Page(s) 2581 under the heading **Applications Lapsed, Refused or Withdrawn, Patents Ceased or Expired - 2019** Delete all reference to 2019100192.

In Vol 33 , No 18 , Page(s) 2584 under the heading **Amendments - Application for Amendments** Under the name Unigen, Inc., Application No. 2009274158 correct the date of the statements filed to read 19 Mar 2019; 21 Dec 2018 and 26 Sep 2018

In Vol 33 , No 18 , Page(s) 2684 under the heading **Applications Accepted - Name Index** Under the name DuPont Nutrition Biosciences ApS, Application No. 2015279261, under INID (72) correct the co-inventor to Gimenez-Rico, Rafael Duran

Specifications Republished

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

2014281049 **Microsoft Technology Licensing, LLC**
 2015245265 **3E Nutrition Limited**
 2015248875 **InSphero AG**
 2016251415 **Mina Therapeutics Limited**
 2016331679 **IHI Corporation**
 2016384296 **Dorf Ketal Chemicals (India) Private Limited**

Specifications Republished

2017336199 **Camurus AB**
 2017359003 **Schenck Process Europe GmbH**
 2018202526 **Coravin, Inc.**

ADVERTISEMENT

Proceedings under the Patents Act 1990

Amendments under s 105(1A)

In respect of Australian Patent Application No. 2011268899, the Patent Applicant, Intervet International BV intends to seek an order under section 105(1A) of the *Patents Act 1990* in *Merial, Inc v Intervet International BV* (Federal Court Proceedings No. VID 1127 of 2018).

The particulars of the amendments sought are as shown in the enclosed documents being clean and marked up forms of the pages proposed to be amended.

The Patent Applicant's address for service is at the office of its lawyers:

SPRUSON & FERGUSON LAWYERS PTY LIMITED

Level 24, Tower 2, Darling Park

201 Sussex Street

Sydney NSW 2000

Any person intending to oppose the application who is not a party to the proceeding must, within 28 days after publication of this advertisement, give written notice of that intention to:

- (i) The Commissioner; and
- (ii) Each party to the proceeding.

STATEMENT OF INVENTION

Herein disclosed is a macrocyclic lactone solution formulation comprising levamisole in a particulate form in a non-aqueous solvent system.

The non-aqueous solvent system may comprise oil and an organic solvent.

5 The formulation may be suitable for injectable administration.

According to a first aspect of the present invention, there is provided an injectable formulation of a macrocyclic lactone and levamisole in a non-aqueous solvent system comprising oil and an organic solvent, wherein the macrocyclic lactone is in solution and the levamisole is a salt in a particulate form, and wherein the levamisole salt is present in the range of between 10-35% w/v.

10 In one embodiment the levamisole is present in the range of between 12-25% w/v.

In one embodiment the oil comprises castor oil and a medium chain triglyceride or a mixture of medium chain triglycerides.

In one embodiment the organic solvent is dimethylacetamide.

In another embodiment the avermectin or milbemycin is present in the range of between 0.01 -10% w/v.

15 In another embodiment the macrocyclic lactone compound is selected from the group comprising abamectin, doramectin, eprinomectin, ivermectin and moxidectin.

In another embodiment the levamisole is levamisole hydrochloride. In another embodiment the levamisole present is levamisole phosphate.

20 In another aspect the invention relates to such a formulation wherein the formulation additionally includes at least one further medicament selected from the group of anthelmintics, dietary supplements, vitamins, minerals and other beneficial agents.

25 In another embodiment of the invention, there is provided a formulation, comprising: about 1.5-4% w/v ivermectin, about 15-18.8% w/v levamisole salt, and wherein the levamisole salt is particulate and the ivermectin is substantially dissolved in a non-aqueous solvent system comprising dimethylacetamide and an oil, wherein the oil comprises castor oil and a medium chain triglyceride or a mixture of medium chain triglycerides, ~~and wherein the formulation does not contain water.~~

30 In another aspect of the present invention, there is provided a method of treating or preventing helminth infection of cattle with *Cooperia* or *Ostertagia* spp. by injecting an animal in need thereof with a formulation of the invention as described above. In a related aspect of the present invention, there is provided the use of a formulation of the invention as described above for the manufacture of a medicament for the treatment of parasitoses caused by helminth infestations.

In one embodiment, the macrocyclic lactone compound is selected from the group comprising abamectin, doramectin, eprinomectin, ivermectin and moxidectin, the levamisole is levamisole hydrochloride or the levamisole is levamisole phosphate.

35 According to another aspect of the present invention, there is provided a method of preparing an injectable formulation of the invention as described above comprising the steps of:

- mixing an organic solvent with the macrocyclic lactone

Claims:

1. An injectable formulation of a macrocyclic lactone and levamisole in a non-aqueous solvent system comprising oil and an organic solvent, wherein the macrocyclic lactone is in solution and the levamisole is a salt in a particulate form, and wherein the levamisole salt is present in the range of between 10-35% w/v.
2. The formulation as claimed in claim 1, wherein the levamisole is present in the range of between 12-25% w/v.
3. The formulation as claimed in claim 1 or claim 2, wherein the oil comprises castor oil and a medium chain triglyceride or a mixture of medium chain triglycerides.
4. The formulation as claimed in any one of claims 1 to 3, wherein the organic solvent is dimethylacetamide.
5. The formulation as claimed in any one of claims 1 to 4, wherein the macrocyclic lactone compound is present in the range of between 0.01-10% w/v.
6. The formulation as claimed in any one of claims 1 to 5, wherein the macrocyclic lactone compound is selected from the group comprising abamectin, doramectin, eprinomectin, ivermectin and moxidectin.
7. The formulation as claimed in any one of claims 1 to 6, wherein the levamisole is levamisole hydrochloride.
8. The formulation as claimed in any one of claims 1 to 6, wherein the levamisole is levamisole phosphate.
9. The formulation as claimed in any one of claims 1 to 8, wherein the non-aqueous solvent system comprises dimethylacetamide and an oil, wherein the oil comprises castor oil and a medium chain triglyceride or a mixture of medium chain triglycerides.
10. The formulation as claimed in any one of claims 1 to 9, wherein the formulation additionally includes at least one further medicament selected from the group of anthelmintics, dietary supplements, vitamins, minerals.
11. The formulation as claimed in claim 1, comprising:
 - about 1.5-4% w/v ivermectin,
 - about 15-18.8% w/v levamisole salt, andwherein the levamisole salt is particulate and the ivermectin is substantially dissolved in a non-aqueous solvent system comprising dimethylacetamide and an oil, wherein the oil comprises castor oil and a medium chain triglyceride or a mixture of medium chain triglycerides, ~~and wherein the formulation does not contain water.~~
12. A method for treating or preventing helminth infection of cattle with *Cooperia* or *Ostertagia* spp. by injecting an animal in need thereof with a formulation as claimed in any one of claims 1 to 11.
13. Use of a formulation according to any one of claims 1 to 11 for the manufacture of a medicament for the treatment of parasitoses caused by helminth infestations.

STATEMENT OF INVENTION

Herein disclosed is a macrocyclic lactone solution formulation comprising levamisole in a particulate form in a non-aqueous solvent system.

The non-aqueous solvent system may comprise oil and an organic solvent.

5 The formulation may be suitable for injectable administration.

According to a first aspect of the present invention, there is provided an injectable formulation of a macrocyclic lactone and levamisole in a non-aqueous solvent system comprising oil and an organic solvent, wherein the macrocyclic lactone is in solution and the levamisole is a salt in a particulate form, and wherein the levamisole salt is present in the range of between 10-35% w/v.

10 In one embodiment the levamisole is present in the range of between 12-25% w/v.

In one embodiment the oil comprises castor oil and a medium chain triglyceride or a mixture of medium chain triglycerides.

In one embodiment the organic solvent is dimethylacetamide.

In another embodiment the avermectin or milbemycin is present in the range of between 0.01 -10% w/v.

15 In another embodiment the macrocyclic lactone compound is selected from the group comprising abamectin, doramectin, eprinomectin, ivermectin and moxidectin.

In another embodiment the levamisole is levamisole hydrochloride. In another embodiment the levamisole present is levamisole phosphate.

20 In another aspect the invention relates to such a formulation wherein the formulation additionally includes at least one further medicament selected from the group of anthelmintics, dietary supplements, vitamins, minerals and other beneficial agents.

25 In another embodiment of the invention, there is provided a formulation, comprising: about 1.5-4% w/v ivermectin, about 15-18.8% w/v levamisole salt, and wherein the levamisole salt is particulate and the ivermectin is substantially dissolved in a non-aqueous solvent system comprising dimethylacetamide and an oil, wherein the oil comprises castor oil and a medium chain triglyceride or a mixture of medium chain triglycerides.

30 In another aspect of the present invention, there is provided a method of treating or preventing helminth infection of cattle with *Cooperia* or *Ostertagia* spp. by injecting an animal in need thereof with a formulation of the invention as described above. In a related aspect of the present invention, there is provided the use of a formulation of the invention as described above for the manufacture of a medicament for the treatment of parasitoses caused by helminth infestations.

In one embodiment, the macrocyclic lactone compound is selected from the group comprising abamectin, doramectin, eprinomectin, ivermectin and moxidectin, the levamisole is levamisole hydrochloride or the levamisole is levamisole phosphate.

35 According to another aspect of the present invention, there is provided a method of preparing an injectable formulation of the invention as described above comprising the steps of:

- mixing an organic solvent with the macrocyclic lactone

Claims:

1. An injectable formulation of a macrocyclic lactone and levamisole in a non-aqueous solvent system comprising oil and an organic solvent, wherein the macrocyclic lactone is in solution and the levamisole is a salt in a particulate form, and wherein the levamisole salt is present in the range of between 10-35% w/v.
2. The formulation as claimed in claim 1, wherein the levamisole is present in the range of between 12-25% w/v.
3. The formulation as claimed in claim 1 or claim 2, wherein the oil comprises castor oil and a medium chain triglyceride or a mixture of medium chain triglycerides.
4. The formulation as claimed in any one of claims 1 to 3, wherein the organic solvent is dimethylacetamide.
5. The formulation as claimed in any one of claims 1 to 4, wherein the macrocyclic lactone compound is present in the range of between 0.01-10% w/v.
6. The formulation as claimed in any one of claims 1 to 5, wherein the macrocyclic lactone compound is selected from the group comprising abamectin, doramectin, eprinomectin, ivermectin and moxidectin.
7. The formulation as claimed in any one of claims 1 to 6, wherein the levamisole is levamisole hydrochloride.
8. The formulation as claimed in any one of claims 1 to 6, wherein the levamisole is levamisole phosphate.
9. The formulation as claimed in any one of claims 1 to 8, wherein the non-aqueous solvent system comprises dimethylacetamide and an oil, wherein the oil comprises castor oil and a medium chain triglyceride or a mixture of medium chain triglycerides.
10. The formulation as claimed in any one of claims 1 to 9, wherein the formulation additionally includes at least one further medicament selected from the group of anthelmintics, dietary supplements, vitamins, minerals.
11. The formulation as claimed in claim 1, comprising:
 - about 1.5-4% w/v ivermectin,
 - about 15-18.8% w/v levamisole salt, andwherein the levamisole salt is particulate and the ivermectin is substantially dissolved in a non-aqueous solvent system comprising dimethylacetamide and an oil, wherein the oil comprises castor oil and a medium chain triglyceride or a mixture of medium chain triglycerides.
12. A method for treating or preventing helminth infection of cattle with *Cooperia* or *Ostertagia* spp. by injecting an animal in need thereof with a formulation as claimed in any one of claims 1 to 11.
13. Use of a formulation according to any one of claims 1 to 11 for the manufacture of a medicament for the treatment of parasitoses caused by helminth infestations.

09 May 2019

2012220990



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**SECTION 105(1A), PATENTS ACT 1990 (CTH)
ADVERTISEMENT PURSUANT TO PART 34, RULE 34.41 OF THE FEDERAL COURT RULES 2011**

Identity of the proceeding in which application made

Cytec Industries Inc. v Nalco Company NSD130/2019, Federal Court of Australia, New South Wales, General Division

Particulars of amendment sought

That Australian Patent Application 2012220990 in the name of Nalco Company be amended as specified in the Statement of Proposed Amendments set out in Schedule 1 to the Interlocutory Application filed on 29 March 2019 in NSD130/2019.

Applicant's address for service

Shelston IP Lawyers Pty Ltd, Level 9, 60 Margaret Street, Sydney 2000.

A person intending to oppose the application who is not a party to the proceeding must, within 28 days after publication of this advertisement, give written notice of that intention to:

- (i) the Commissioner; and
- (ii) each party to the proceeding.



**SCHEDULE 1 – STATEMENT OF PROPOSED AMENDMENTS TO AUSTRALIAN PATENT
APPLICATION No. 2012220990**

Each of the amendments sought is set out in the attached marked up version of the claims of Australian Patent Application No. 2012220990.

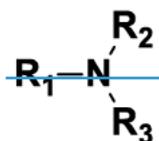
For the avoidance of doubt, each amendment specified is sought separately.



THE CLAIMS DEFINING THE INVENTION ARE AS FOLLOWS:-

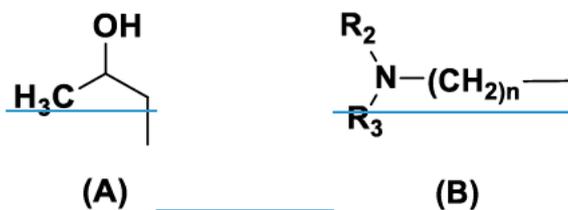
1. A method for the reduction of aluminosilicate containing scale in a Bayer process comprising the steps of:

5 adding to the Bayer process stream an aluminosilicate scale inhibiting amount of a composition comprising at least one small molecule, ~~the at least one small molecule comprising at least three components, one being an R₁ component, one being an R₂ component and one being an R₃ component, the components within the small molecule arranged according to the general formula:~~



10 ~~wherein the small molecule selected from the group consisting of compounds (I) through (XIII), (XV) through (XXX), (XXXII) through (XLVII), (LIII) through (LVIII) and (LX) within a product mixture formed from the reaction of a) hexane diamine, ethylene diamine or 1-amino-2-propanol; b) 3-glycidoxypropyltrimethoxysilane; and c) 2-ethylhexyl glycidyl ether; may be at least one of: carbonates, bicarbonates, carbamates, ureas, amides and salts thereof and:~~

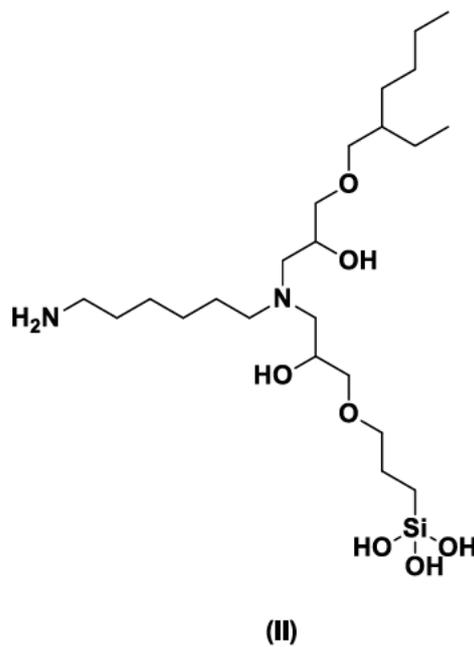
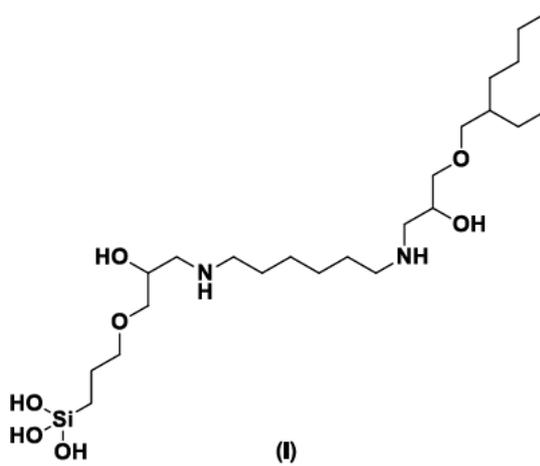
15 ~~R₁ is selected from the group consisting of: H, alkyl, amine, structure (A) and structure (B);~~

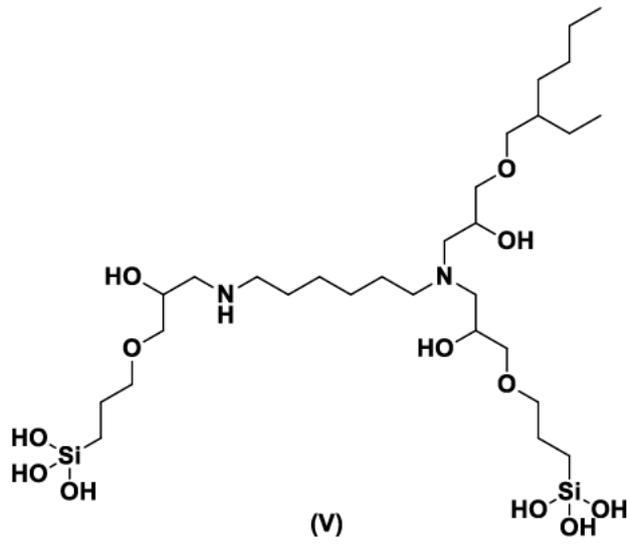
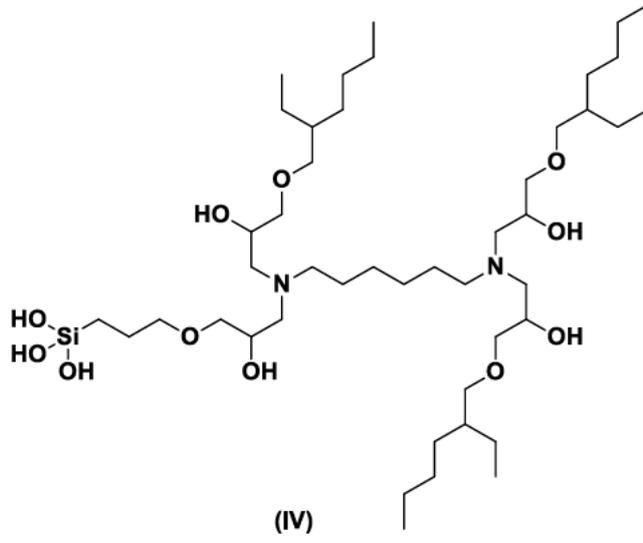
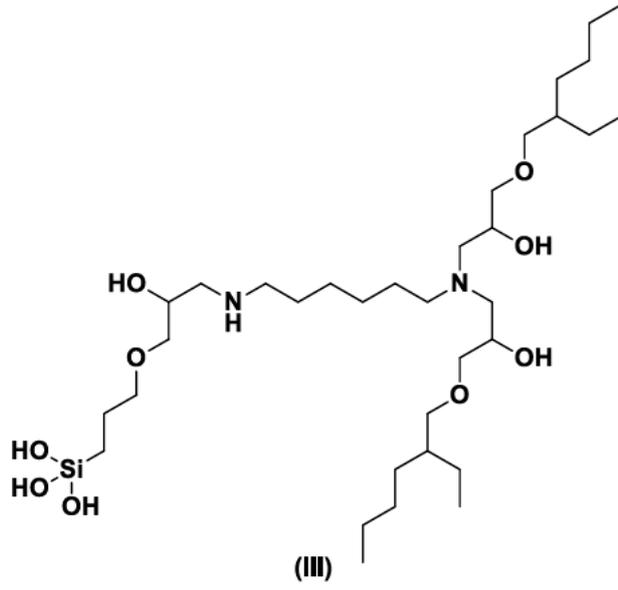


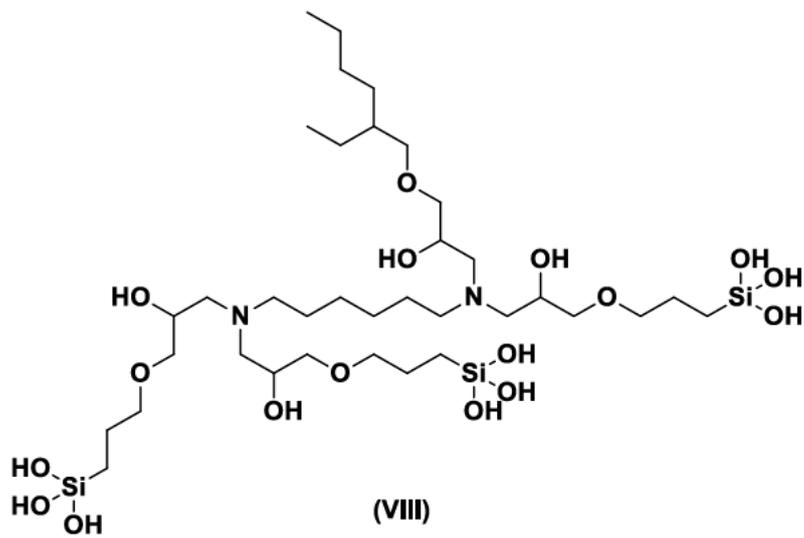
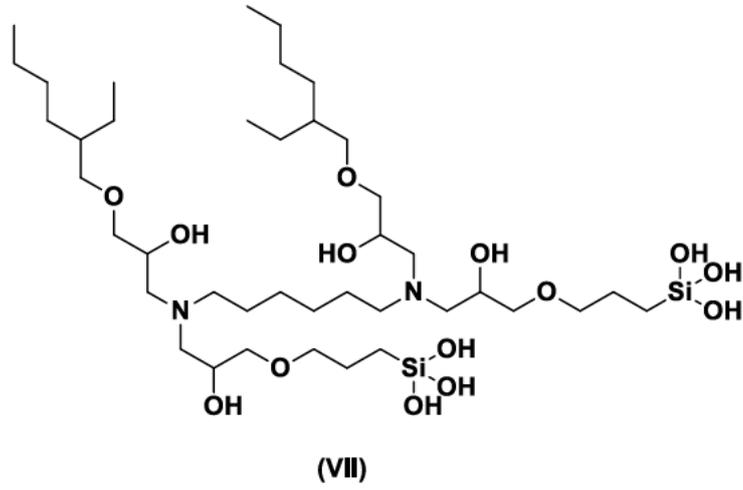
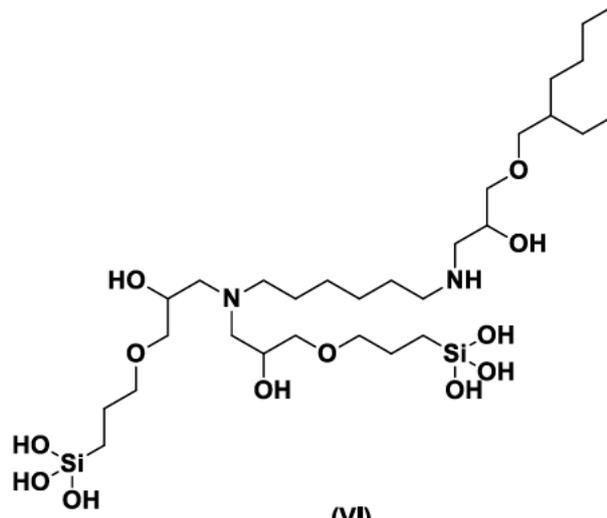
20 ~~each R₂ is G, and each R₃ is independently selected from the group consisting of H, alkyl, amine, G and E, wherein each G is one item independently selected from the group~~

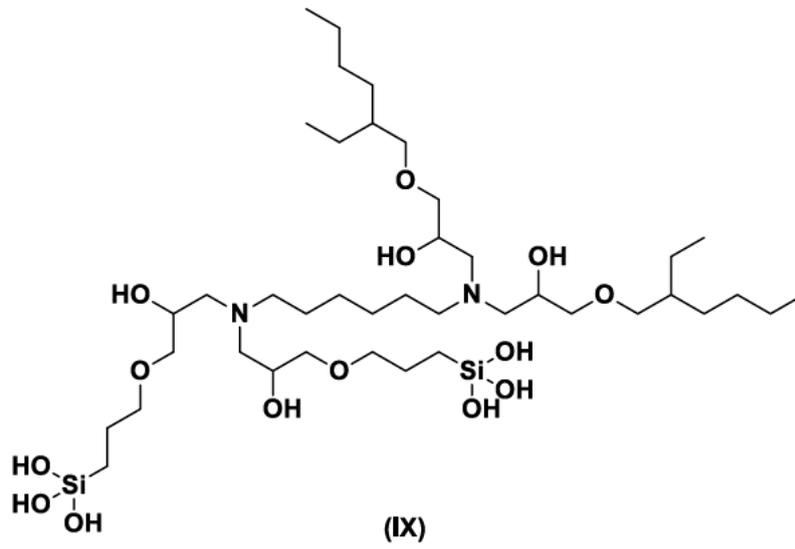


- consisting of: ~~3-glycidoxypropyltrimethoxysilane, 3-glycidoxypropyltrialkoxysilane, 3-glycidoxypropylalkyldialkoxysilane, 3-glycidoxypropyldialkylmonoalkoxysilane, 3-isocyanatopropyltrialkoxysilane, 3-isocyanatopropylalkyldialkoxysilane, 3-isocyanatopropyldialkylmonoalkoxysilane, 3-chloropropyltrialkoxysilane, 3-chloropropylalkyldialkoxysilane, and 3-chloropropyldialkylmonoalkoxysilane~~ and wherein G is optionally hydrolyzed;
- each E is independently selected from the group consisting of ~~2-ethylhexyl glycidyl ether, C₃-C₂₂ glycidyl ether, C₃-C₂₂ isocyanate, C₃-C₂₂ chloride, C₃-C₂₂ bromide, C₃-C₂₂ iodide, C₃-C₂₂ sulfate ester, C₃-C₂₂ phenolglycidyl ether, and any combination thereof, and~~
- ~~———— n is an integer from 2 to 6.~~
- ~~2. A method according to claim 1, wherein the R₁ is independently selected from the group consisting of: monoisopropanol amine, ethylene diamine, diethylene triamine, tetraethylene pentamine, isophoronediamine, xylenediamine, bis(aminomethyl)cyclohexane, hexanediamine, C,C,C-trimethylhexanediamine, methylene bis(aminocyclohexane), saturated fatty amines, unsaturated fatty amines such as oleylamine and soyamine, N-fatty-1,3-propanediamine such as cocoalkylpropanediamine, oleylpropanediamine, dodecylpropanediamine, hydrogenized tallow alkylpropanediamine, and tallow alkylpropanediamine and any combination thereof. A method according to claim 1, wherein R₂ is E.~~
- ~~3. A method according to claim 1, wherein G is hydrolyzed and said small molecule is selected from the group consisting of: (I), (II), (III), (IV), (V), (VI), (VII), (VIII), (IX) and any combination thereof:~~



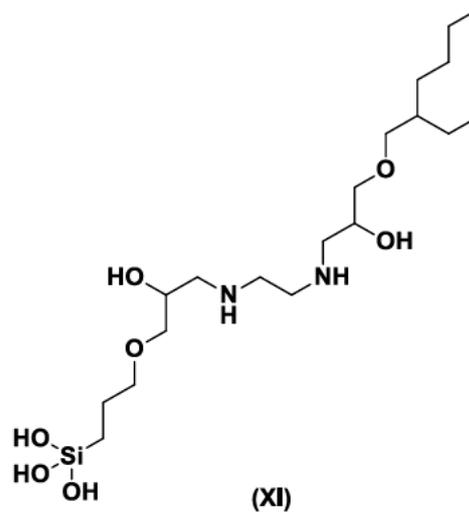
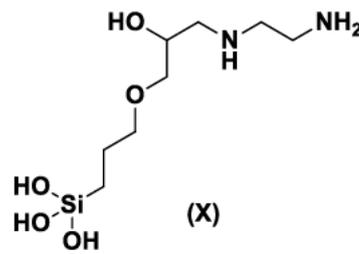


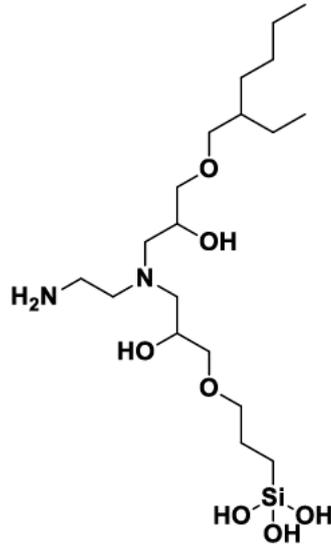




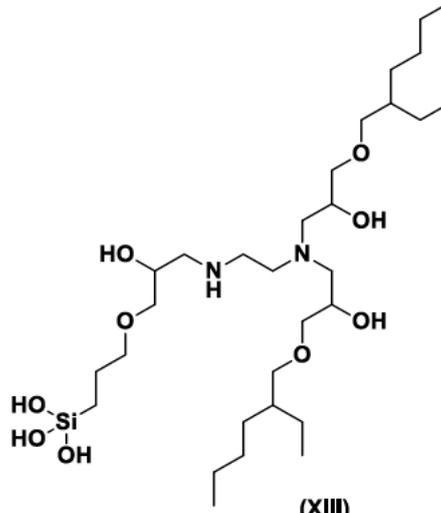
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~~4. A method according to claim 1, wherein G is hydrolyzed and the small molecule is selected from the group consisting of: (X) (XI), (XII), (XIII), (XIV), (XV), (XVI), (XVII), (XVIII), (XIX), and any combination thereof;~~

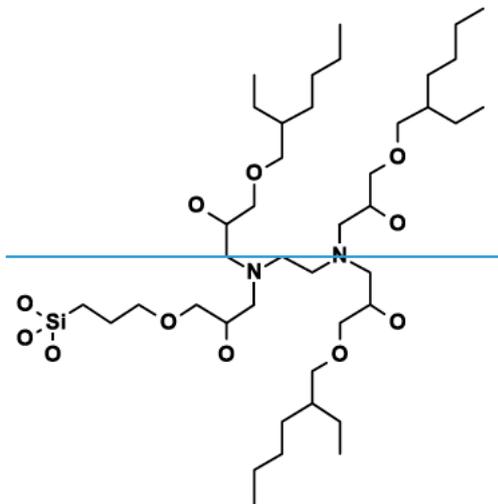




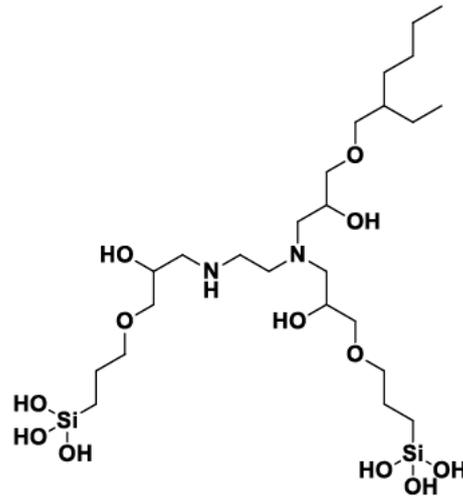
(XII)



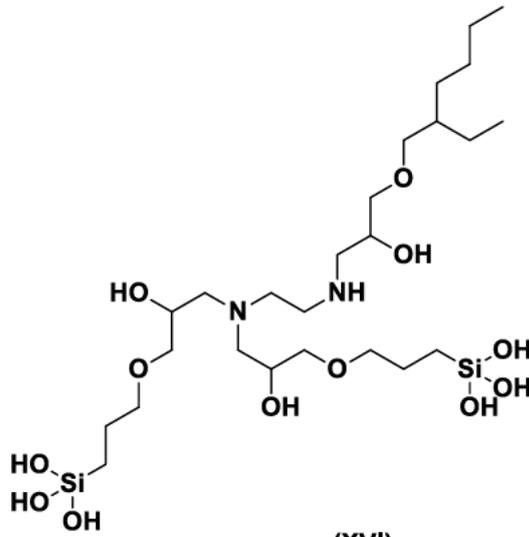
(XIII)



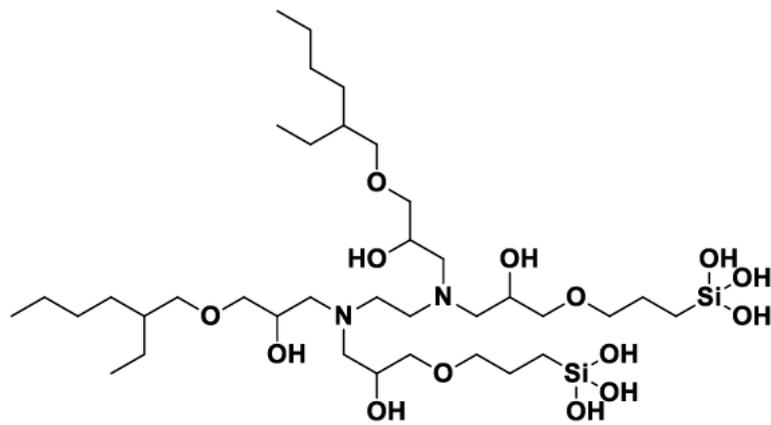
(XIV)



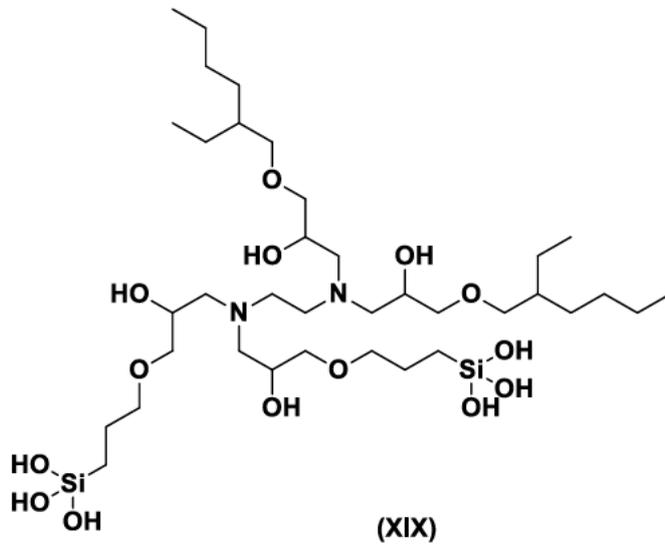
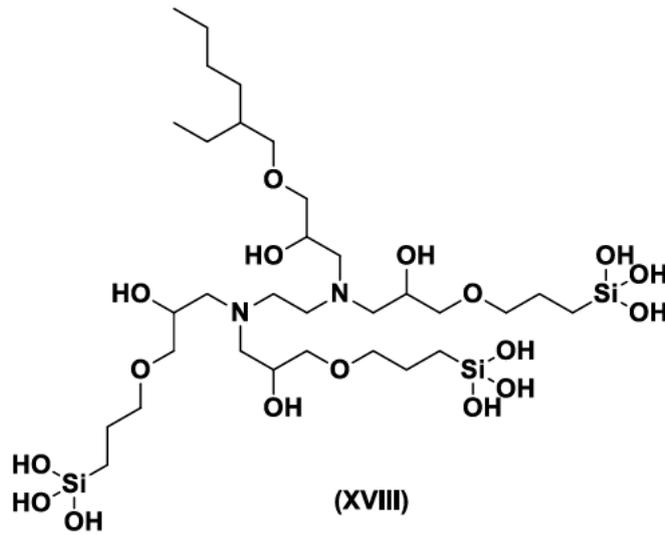
(XV)



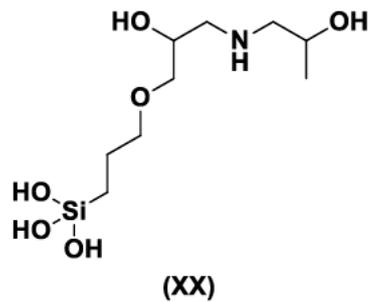
(XVI)

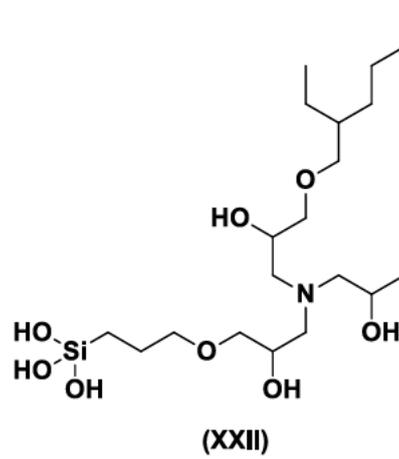
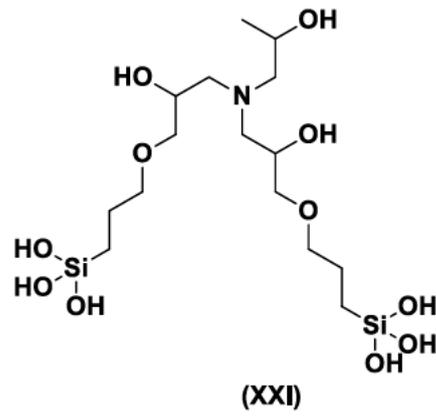


(XVII)



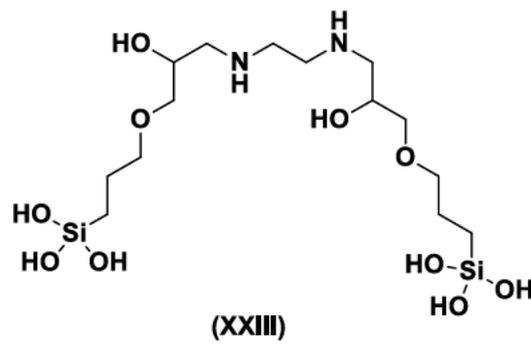
5. ~~A method according to claim 1, wherein G is hydrolyzed and the small molecule is selected from the group consisting of: (XX), (XXI), (XXII), and any combination thereof.~~



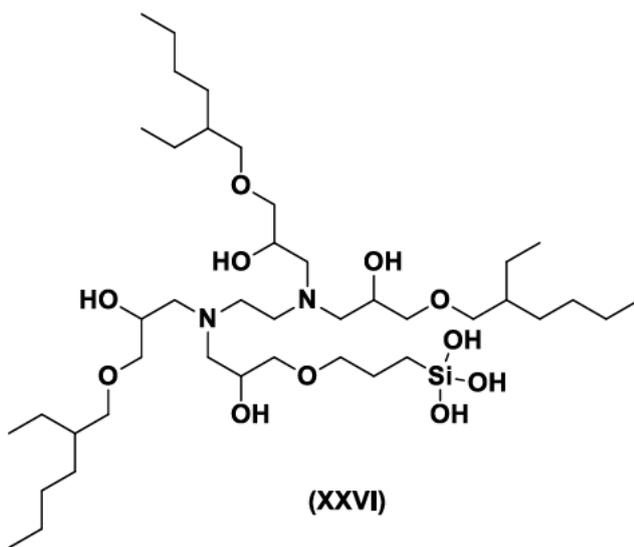
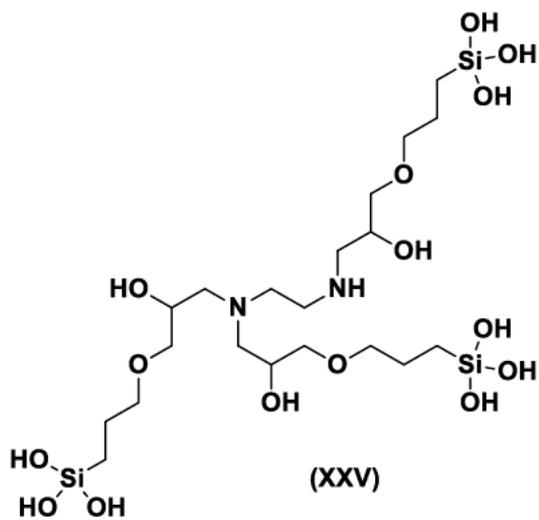
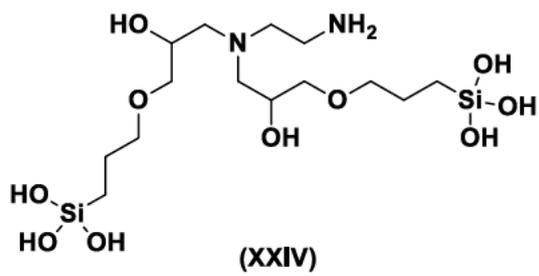


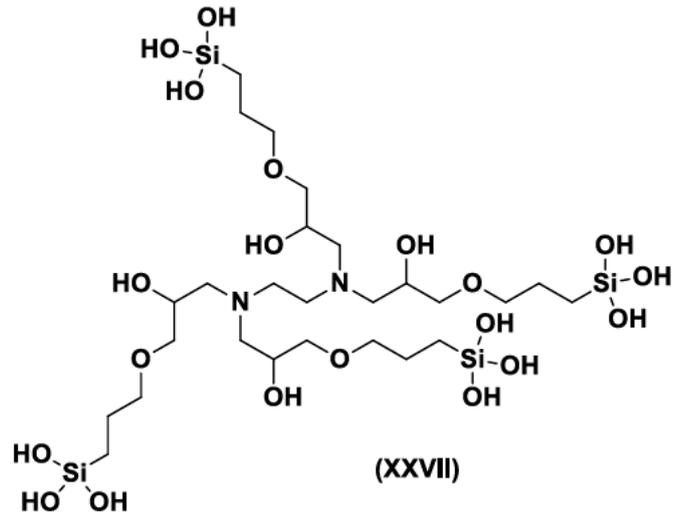
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6. A method according to claim 1, wherein G is hydrolyzed and the small molecule is selected from the group consisting of: (XXIII), (XXIV), (XXV), (XXVI), (XXVII), (XXVIII), (XIX), and any combination thereof:



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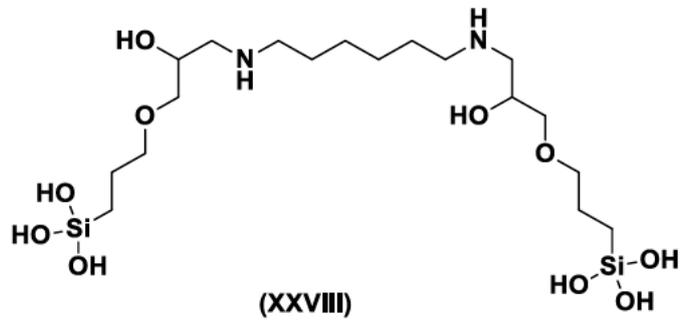




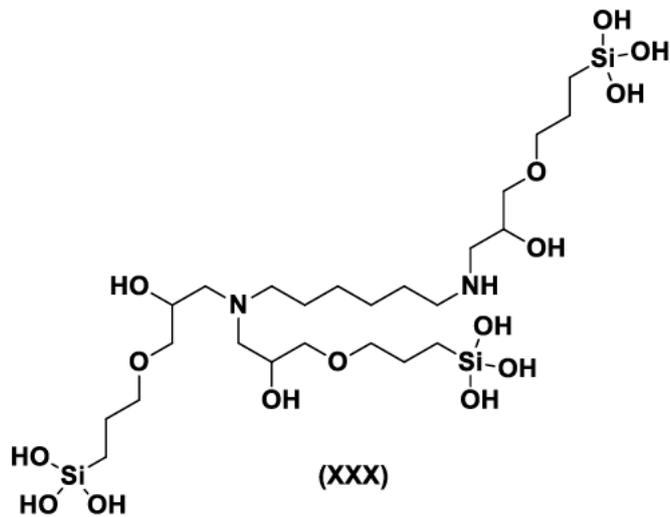
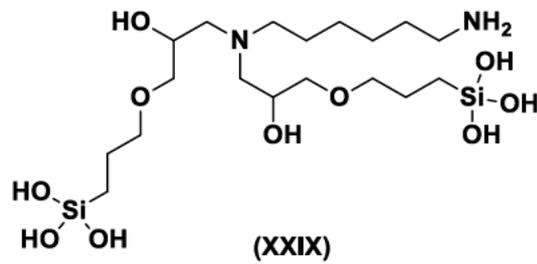


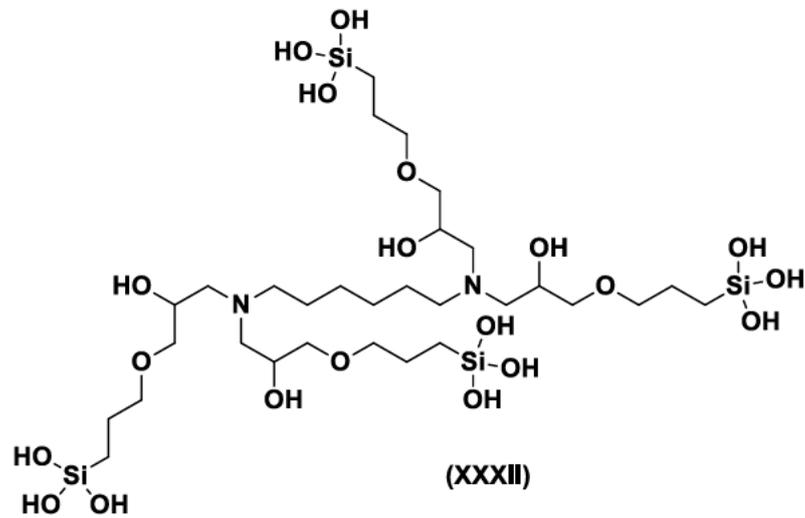
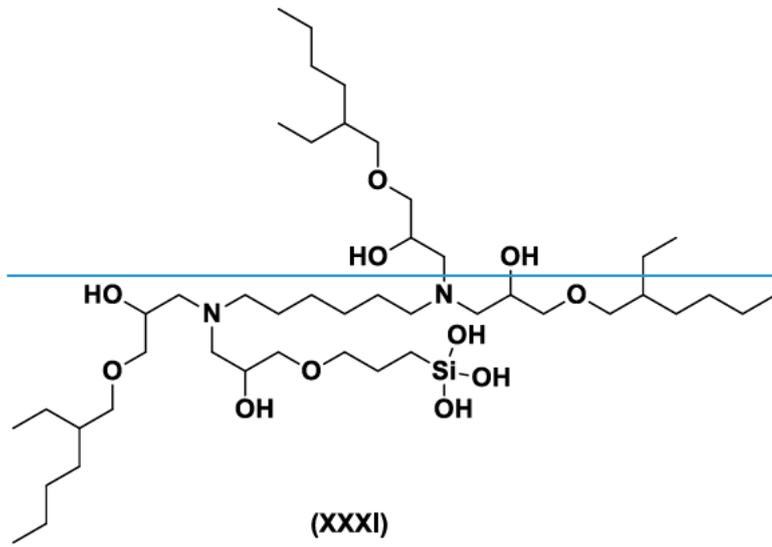
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7. ~~A method according to claim 1, wherein G is hydrolyzed and the small molecule is selected from the group consisting of: (XXVIII), (XXIX), (XXX), (XXXI), (XXXII), and any combination thereof:~~

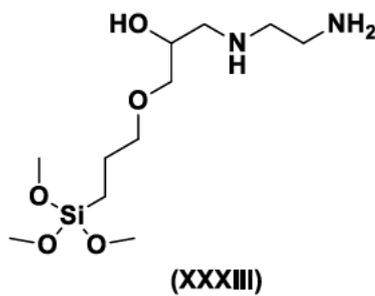


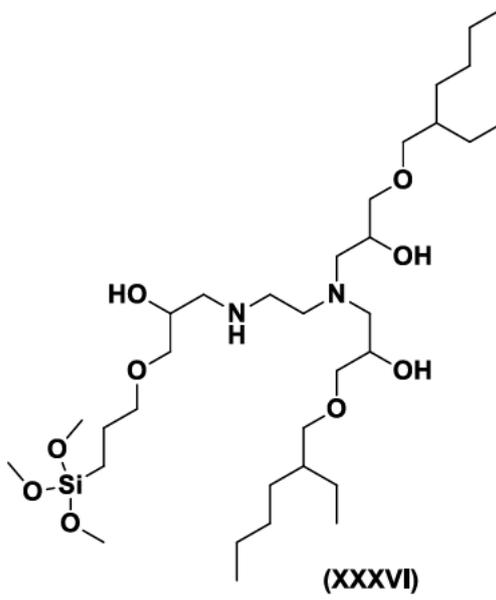
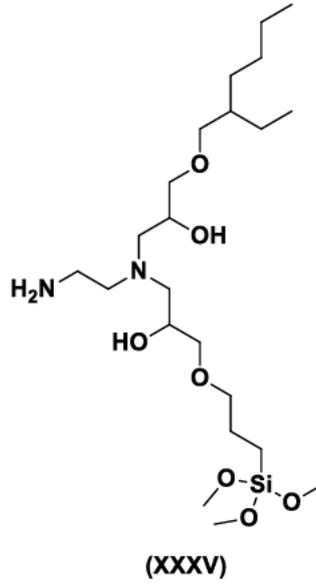
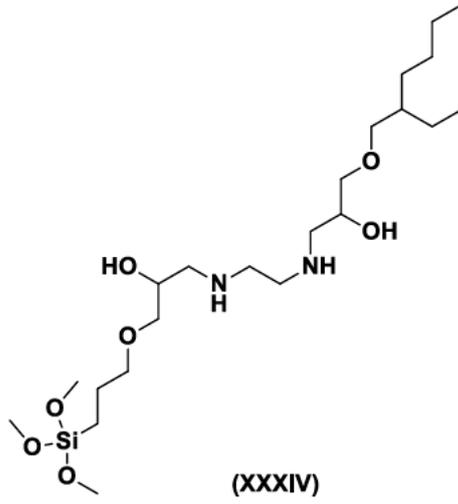
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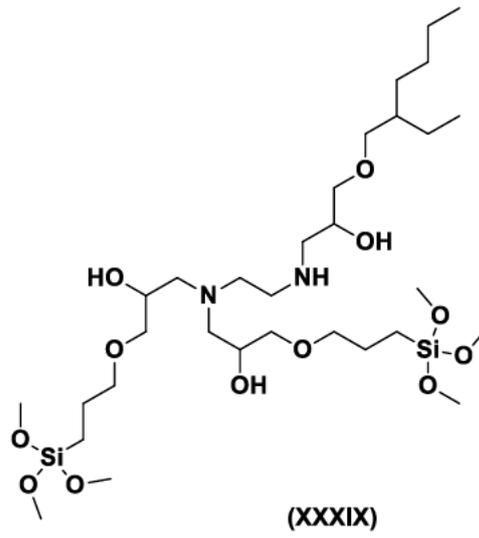
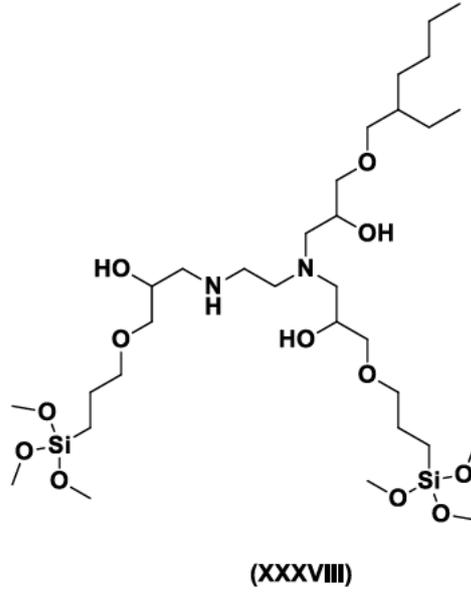
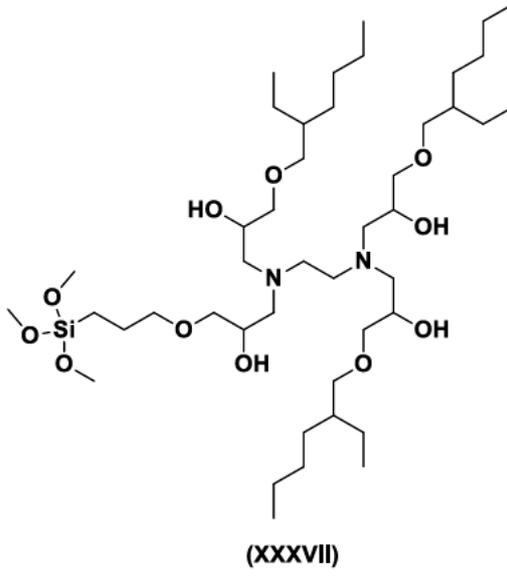


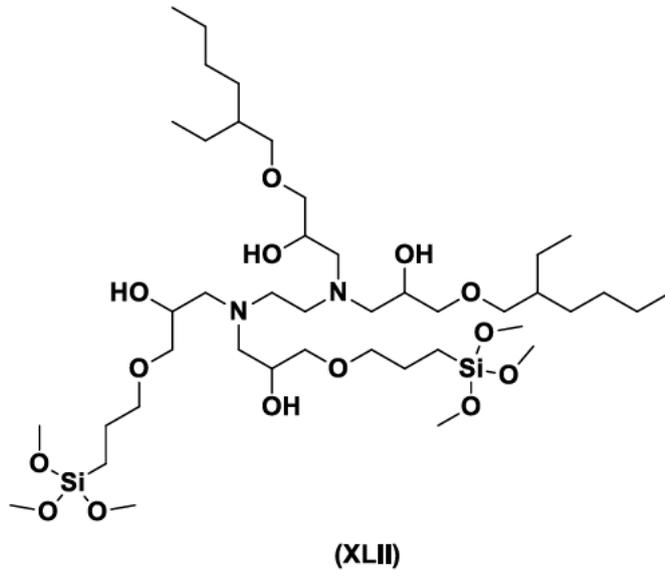
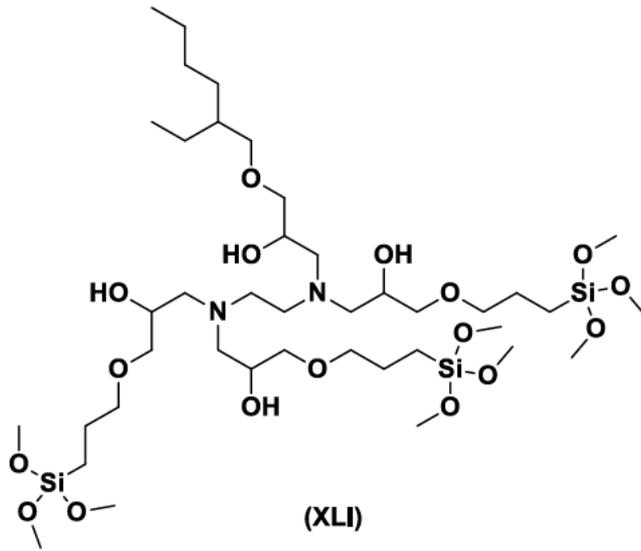
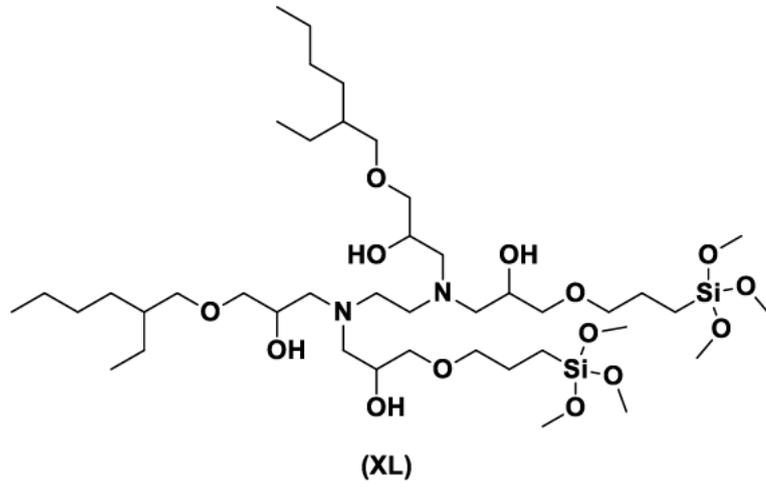


- 5 ~~8. A method according to claim 1, wherein G is not hydrolyzed and the small molecule is selected from the group consisting of: (XXXIII), (XXXIV), (XXXV), (XXXVI), (XXXVII), (XXXVIII), (XXXIX), (XL), (XLI), (XLII), and any combination thereof:~~





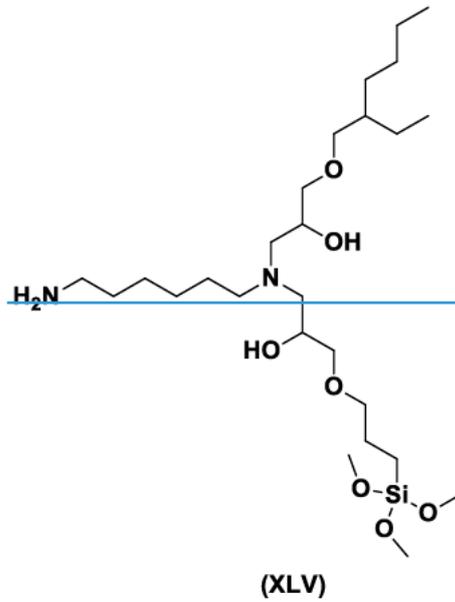
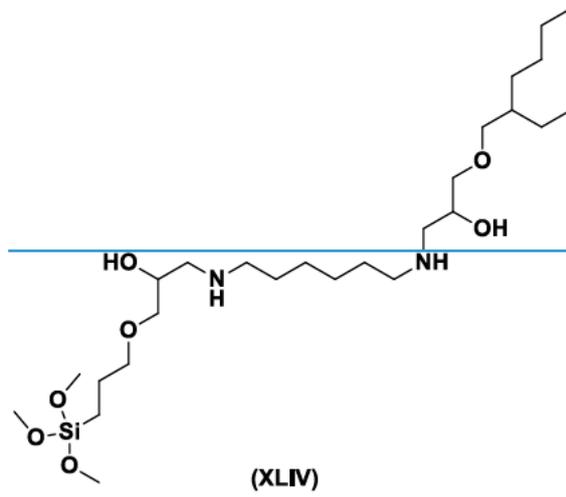
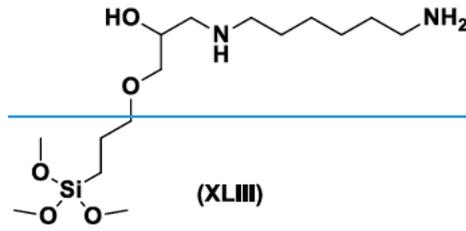


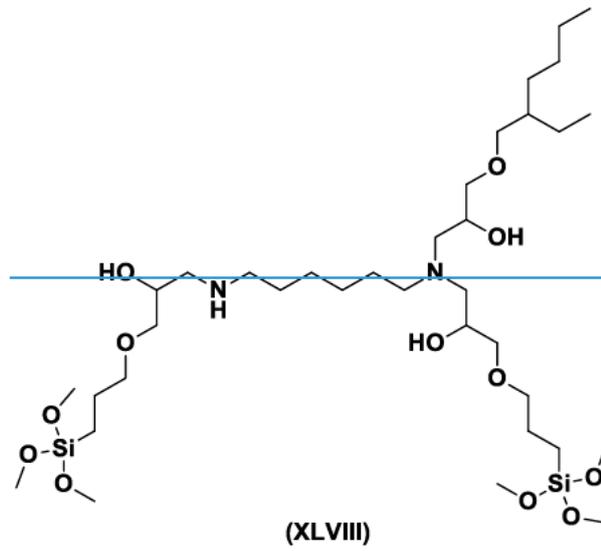
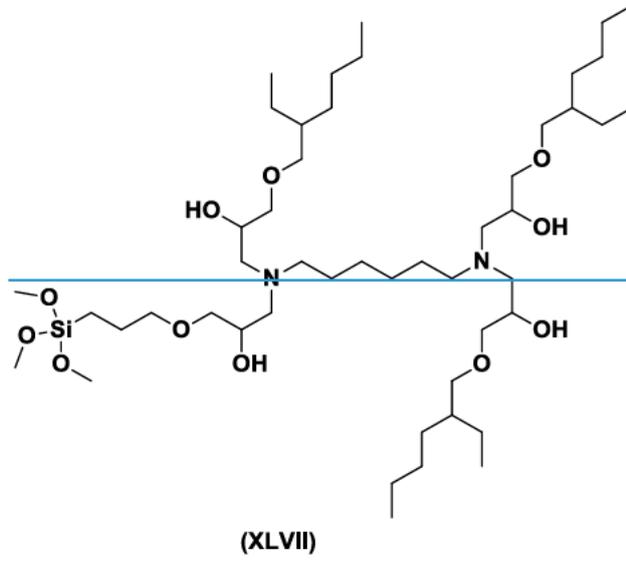
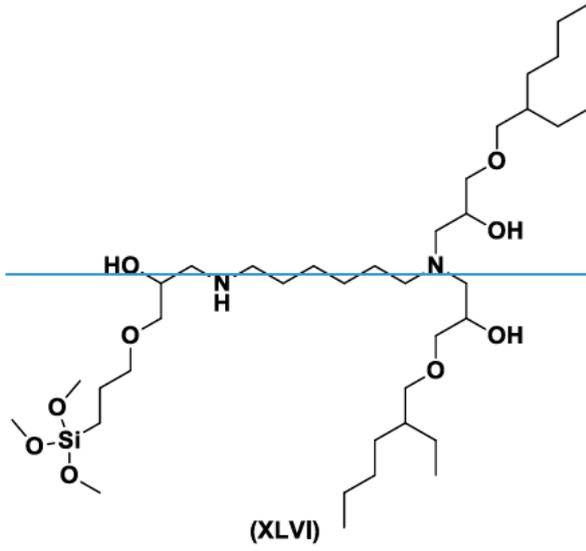


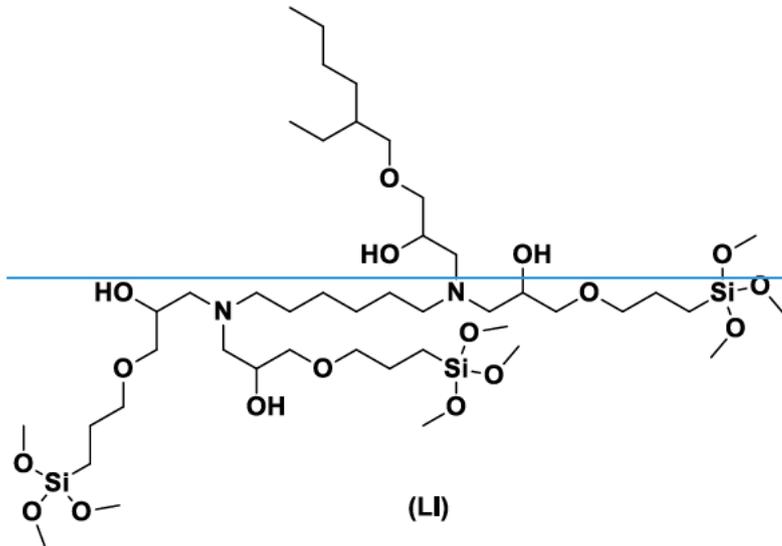
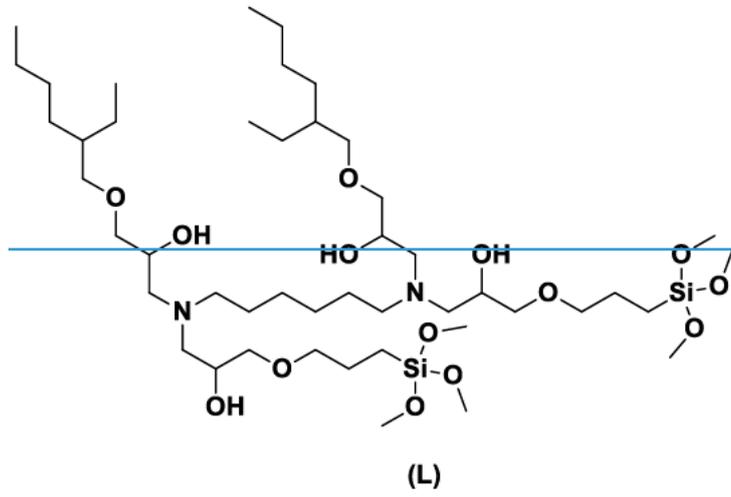
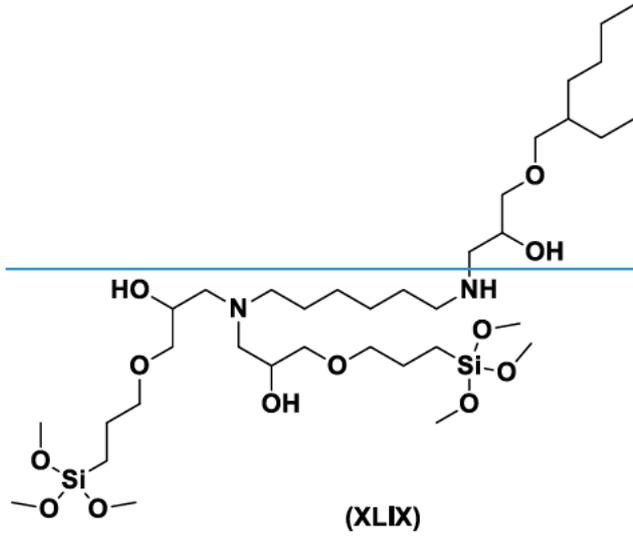


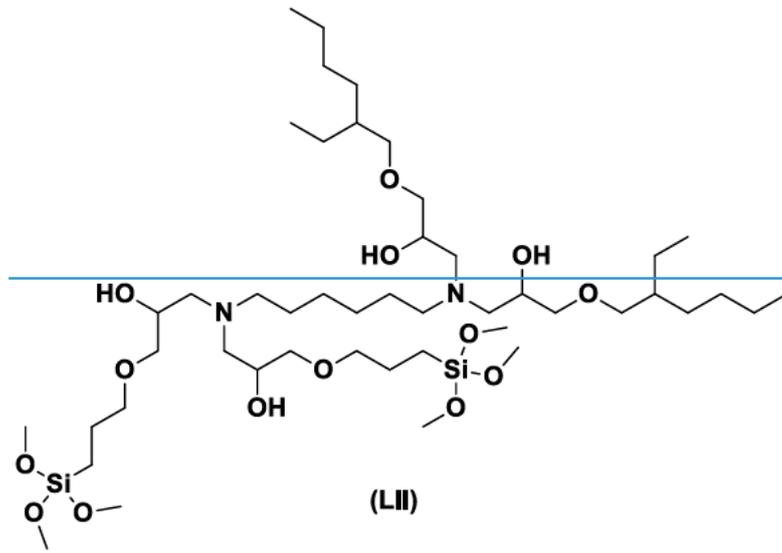
9. A method according to claim 1, wherein G is not hydrolyzed and the small molecule is selected from the group consisting of: (XLIII), (XLIV), (XLV), (XLVI), (XLVII), (XLVIII), (XLIX), (L), (LI), (LII), and any combination thereof:

5



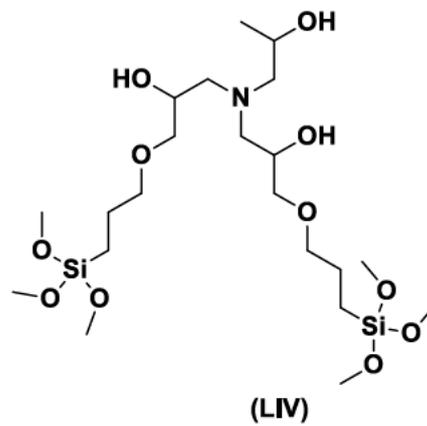
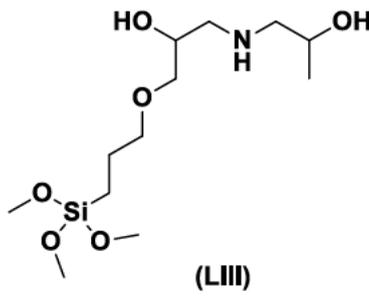


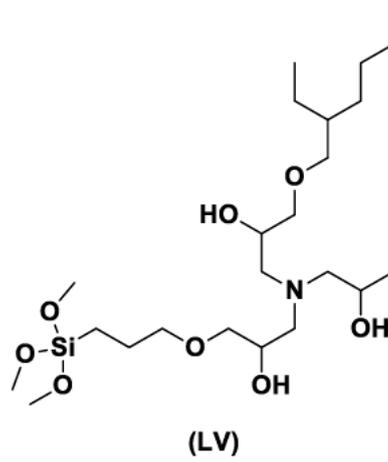




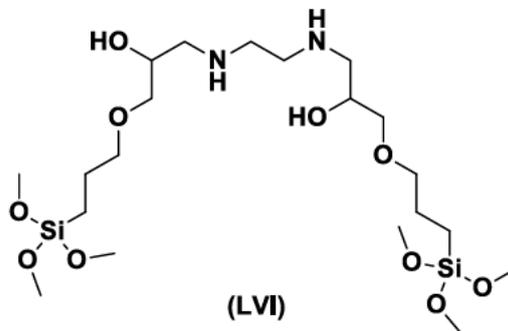
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~~10. A method according to claim 1, wherein G is not hydrolyzed and the small molecule is selected from the group consisting of: (LIII), (LIV), (LV), and any combination thereof:~~

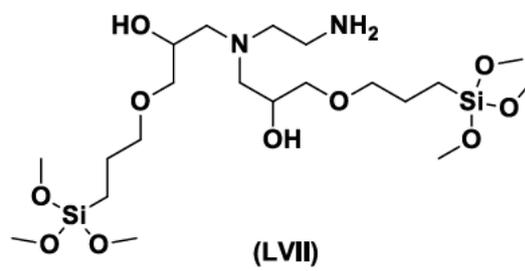


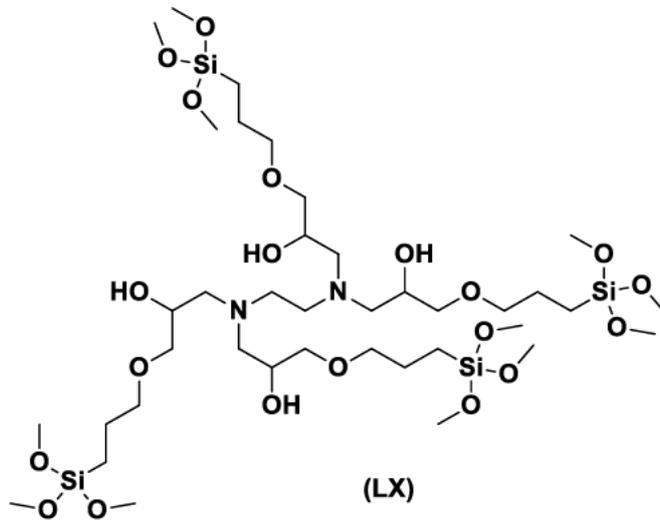
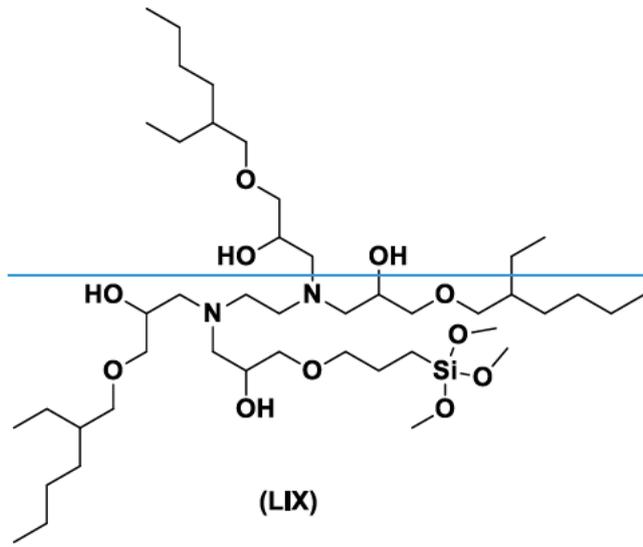
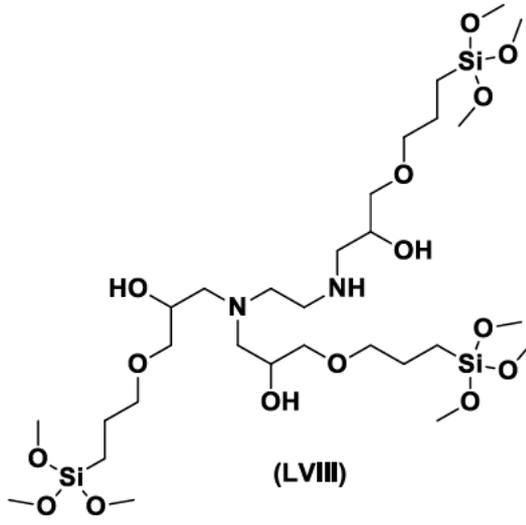


5 ~~11. A method according to claim 1, wherein G is not hydrolyzed and the small molecule is selected from the group consisting of: (LVI), (LVII), (LVIII), (LIX), (LX), (LI), (LII) and any combination thereof:~~



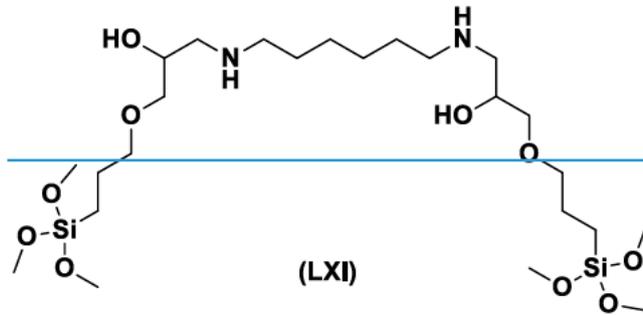
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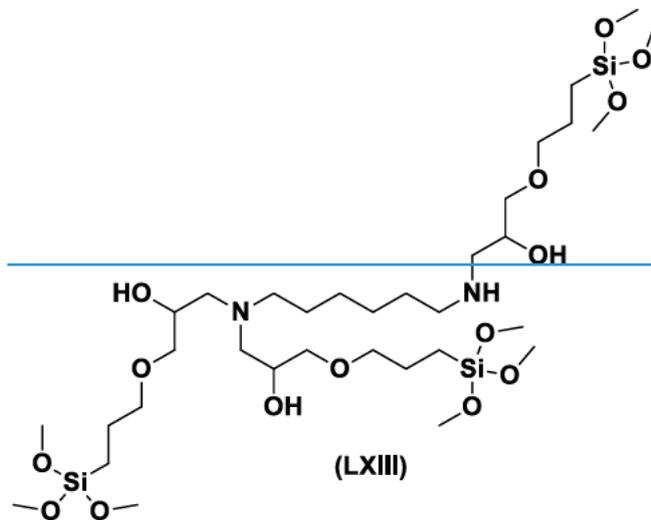
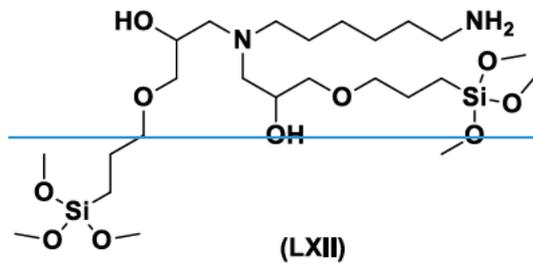


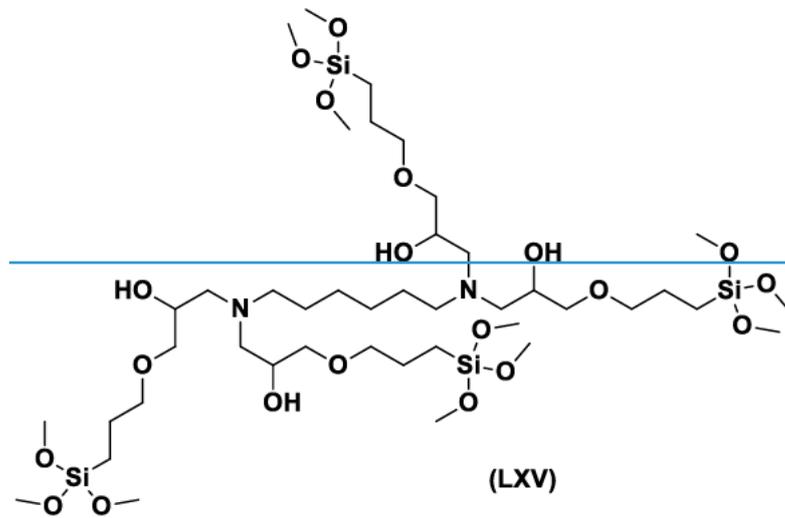
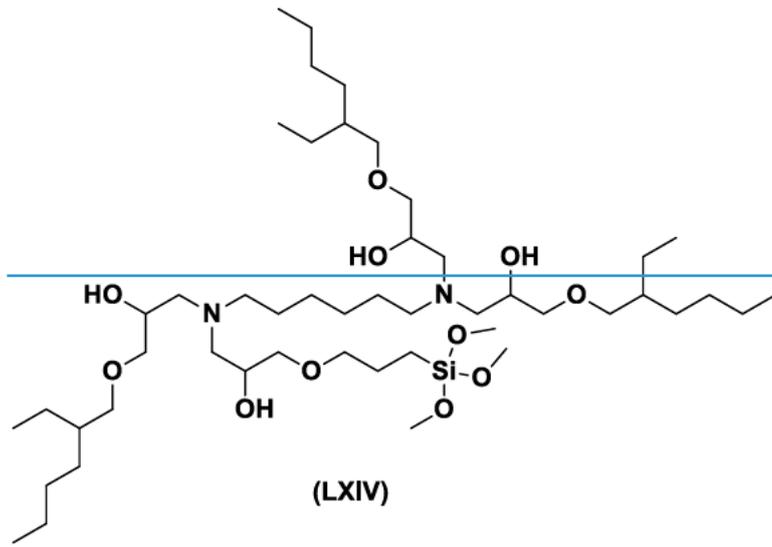
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~~12. A method according to claim 1, wherein G is not hydrolyzed and the small molecule is selected from the group consisting of: (LXI), (LXII), (LXIII), (LXIV) and any combination thereof:~~



10





- 5 2. A method according to claim 1, wherein the small molecule is selected from the group consisting of compounds (I) through (XIII), (XV) through (XXX) and (XXXII) through (XLII).
- 10 3. A method according to claim 1, wherein the small molecule is selected from the group consisting of compounds (LIII) through (LVIII).
4. A method according to claim 1, wherein the small molecule is selected from the group consisting of compounds (LIII), (LIV) and (LV).



- 5
5. A method according to claim 1, wherein the small molecule is selected from the group consisting of compounds (I) through (IX).
6. A method according to claim 1, wherein the small molecule is selected from the group consisting of compounds (X) through (XIII) and (XV) through (XIX).
7. A method according to claim 1, wherein the small molecule is selected from the group consisting of compounds (XX) through (XXII).
- 10
8. A method according to claim 1, wherein the small molecule is selected from the group consisting of compounds (XXIII) through (XXIX).
9. A method according to claim 1, wherein the small molecule is selected from the group consisting of compounds (XXX) and (XXXII).
- 15
10. A method according to claim 1, wherein the small molecule is selected from the group consisting of compounds (XXXIII) though (XLII).
11. A method according to claim 1, wherein the small molecule is selected from the group consisting of compounds (LVI) through (LVIII) and (LX).
- 20
- ~~1412.~~ A method according to claim 1, wherein the small molecule is present in a solution in an amount ranging from about 0.01 to about 100 wt%.
- 25
- ~~1513.~~ A method according to claim 1, wherein the composition further comprises an item selected from the list consisting of: amines, activators, antifoaming agents, co-absorbents, corrosion inhibitors, coloring agents, and any combination thereof.
- 30
- ~~1614.~~ A method according to claim 1, wherein the composition comprises a solvent, the solvent is selected from the group consisting of: water, alcohols, polyols, other industrial solvents, organic solvents, and any combination



thereof.

5 **1715.** A method according to claim 1, wherein the composition is isolated from a synthesis reaction in the form of a solid, precipitate, gel, salt and/or crystalline material in pHs ranging from 0 to 14.

1816. A method according to claim 1, wherein the composition is hydrolyzed prior to being added to the Bayer process.

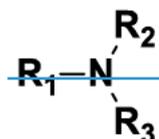
10 ~~19. A method for the reduction of aluminosilicate containing scale in a Bayer process comprising: mixing with a Bayer process stream an aluminosilicate scale inhibiting amount of a composition comprising at least one small molecule, the at least one small molecule comprising at least three components, wherein the first component is a multiamine having from 2 to 5 amine groups; the second component is selected from the group consisting of: 3-glycidoxypropyltrimethoxysilane, 3-glycidoxypropyltrialkoxysilane, 3-glycidoxypropylalkyldialkoxysilane, 3-glycidoxypropyldialkylmonoalkoxysilane, 3-isocyanatopropyltrialkoxysilane, 3-isocyanatopropylalkyldialkoxysilane, 3-isocyanatopropyldialkylmonoalkoxysilane, 3-chloropropyltrialkoxysilane, 3-chloropropylalkyldialkoxysilane, and 3-chloropropyldialkylmonoalkoxysilane and wherein the second component is optionally hydrolyzed; and the third component is selected from the group consisting of: 2-ethylhexyl glycidyl ether, C₃-C₂₂ glycidyl ether, C₃-C₂₂ isocyanate, C₃-C₂₂ chloride, C₃-C₂₂ bromide, C₃-C₂₂ iodide, C₃-C₂₂ sulfate ester, C₃-C₂₂ phenolglycidyl ether.~~

15 ~~20. A method according to claim 19, wherein the composition is hydrolyzed prior to being added to the Bayer process.~~

20 ~~21. A method for the reduction of aluminosilicate containing scale in a Bayer process comprising: adding to the Bayer process stream an aluminosilicate scale~~



inhibiting amount of a composition comprising at least one small molecule, the
 at least one small molecule comprising at least three components, one being an
 R_1 -component, one being an R_2 -component and one being an R_3 -component, the
 components within the small molecule arranged according to the general
 formula:



wherein the small molecule may be at least one of: carbonates,
 bicarbonates, carbamates, ureas, amides and salts thereof and:

R_1 is selected from the group consisting of: monoisopropanol amine,
 ethylenediamine, diethylene triamine, tetraethylene pentamine,
 isophoronediamine, xylenediamine, bis(aminomethyl)cyclohexane,
 hexanediamine, C,C,C trimethylhexanediamine, methylene
 bis(amino)cyclohexane), saturated fatty amines, unsaturated fatty amines such as
 oleylamine and soyamine, N fatty 1,3 propanediamine such as
 eooalkylpropanediamine, oleylpropanediamine, dodecylpropanediamine,
 hydrogenized tallow alkylpropanediamine, and tallow alkylpropanediamine and
 any combination thereof;

R_2 is independently selected from the group consisting of: H, alkyl,
 amine, G and E; and

R_3 is independently selected from the group consisting of: H, alkyl,
 amine, G and E;

wherein each G is one item independently selected from the group
 consisting of: 3-glycidoxypropyltrimethoxysilane, 3-
 glycidoxypropyltrialkoxysilane, 3-glycidoxypropylalkyldialkoxysilane, 3-
 glycidoxypropyldialkylmonoalkoxysilane, 3-isocyanatopropyltrialkoxysilane,
 3-isocyanatopropylalkyldialkoxysilane, 3-isocyanatopropyldialkyl-
 monoalkoxysilane, 3-chloropropyltrialkoxysilane, 3-chloropropylalkyl-
 dialkoxysilane, and 3-chloropropyldialkylmonoalkoxysilane and wherein G is



5

~~optionally hydrolyzed; each E is independently selected from the group consisting of: 2-ethylhexyl glycidyl ether, C₃-C₂₂ glycidyl ether, C₃-C₂₂ isocyanate, C₃-C₂₂ chloride, C₃-C₂₂ bromide, C₃-C₂₂ iodide, C₃-C₂₂ sulfate ester, C₃-C₂₂ phenolglycidyl ether, and any combination thereof; and n is an integer from 2 to 6.~~

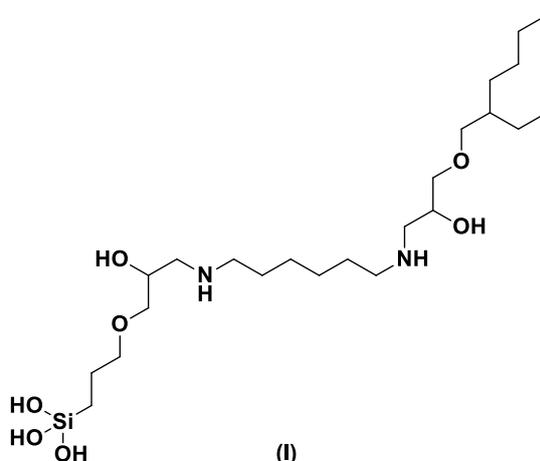
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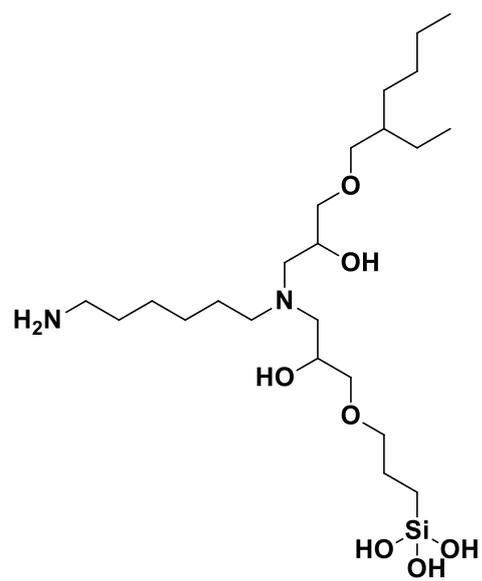
~~22. A method according to claim 21, wherein the composition is hydrolyzed prior to being added to the Bayer process.~~

THE CLAIMS DEFINING THE INVENTION ARE AS FOLLOWS:-

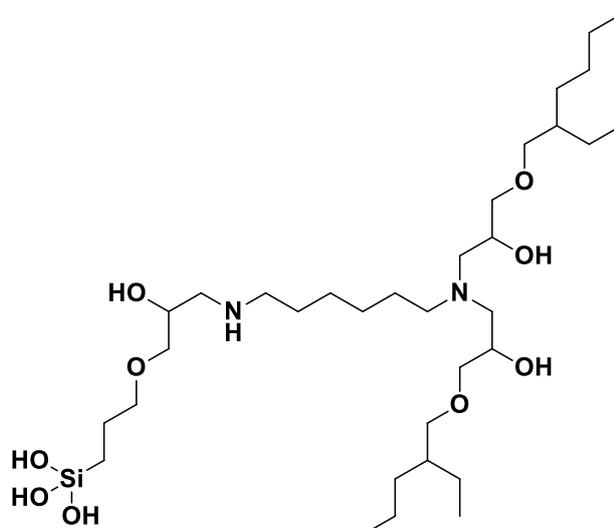
1. A method for the reduction of aluminosilicate containing scale in a Bayer process comprising the step of:

5 adding to the Bayer process stream an aluminosilicate scale inhibiting amount of a composition comprising at least one small molecule selected from the group consisting of compounds (I) through (XIII), (XV) through (XXX), (XXXII) through (XLVII), (LIII) through (LVIII) and (LX) within a product mixture formed from the reaction of a) hexane diamine, 10 ethylene diamine or 1-amino-2-propanol; b) 3-glycidoxypropyltrimethoxysilane; and c) 2-ethylhexyl glycidyl ether:

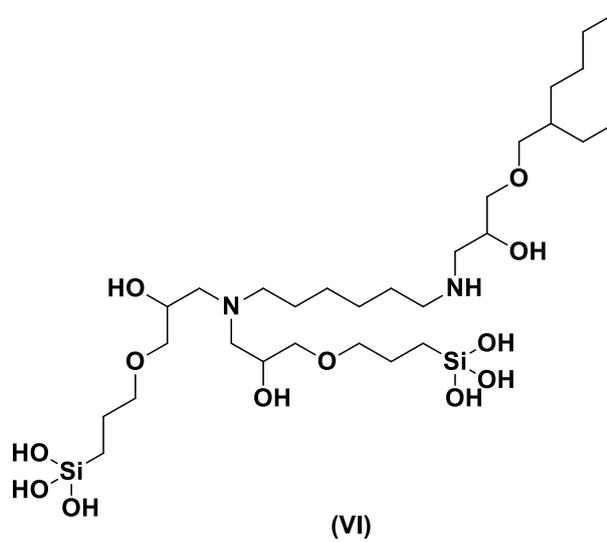
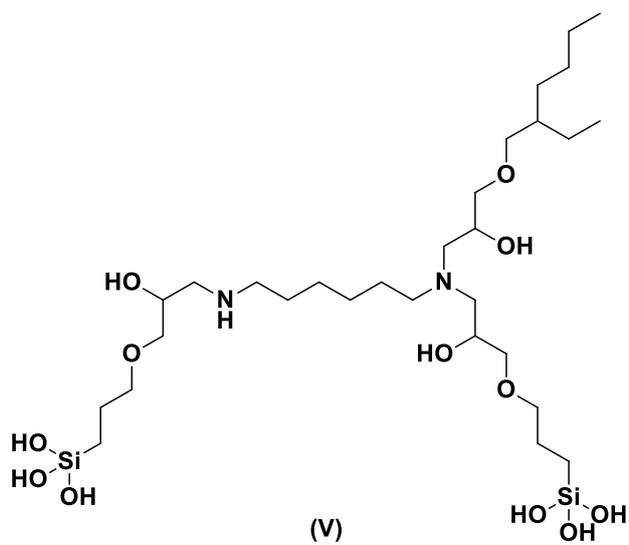
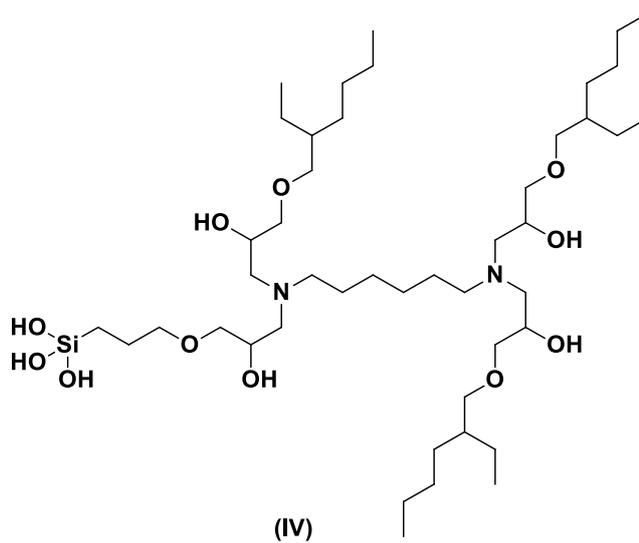


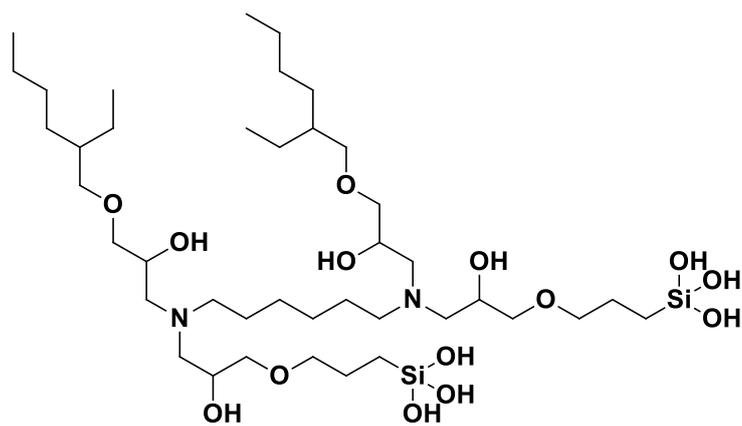


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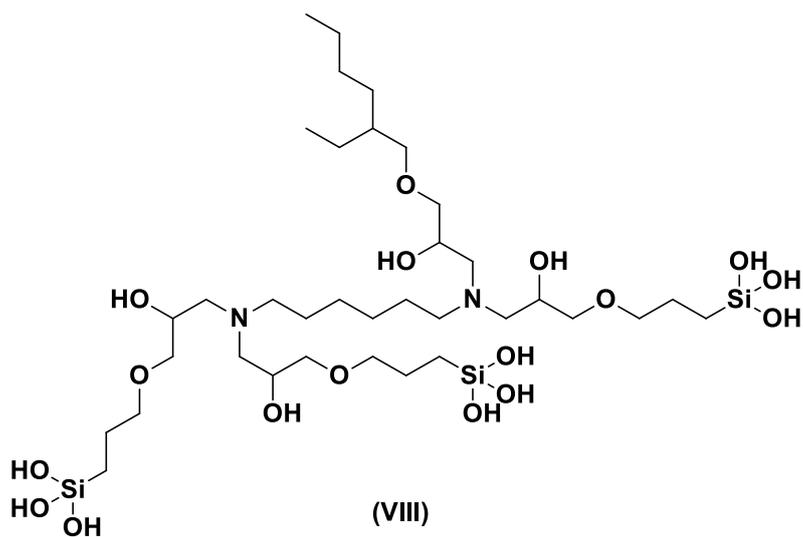


(III)

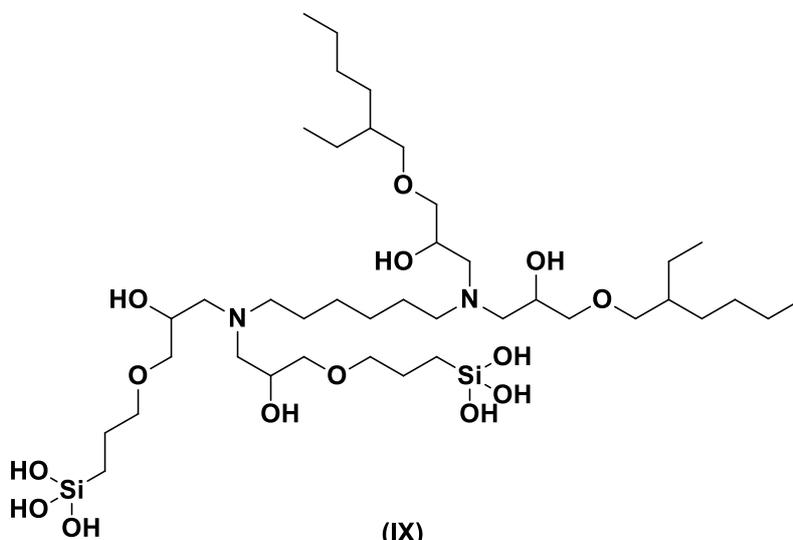




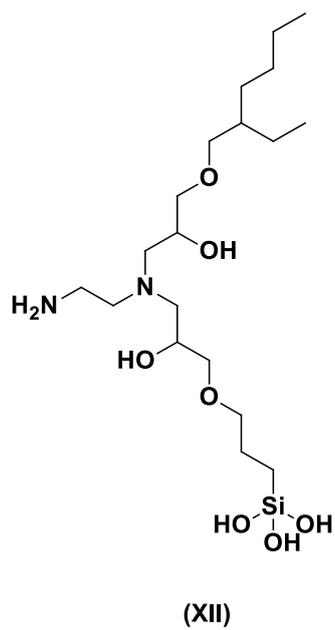
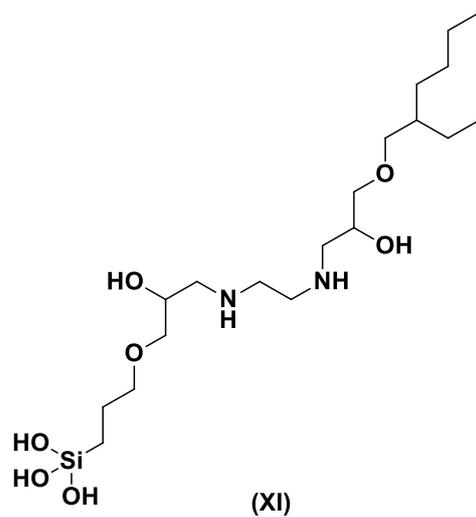
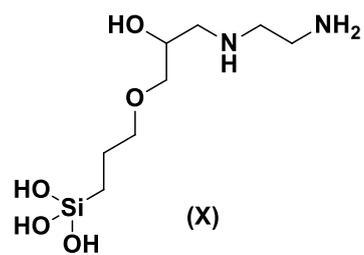
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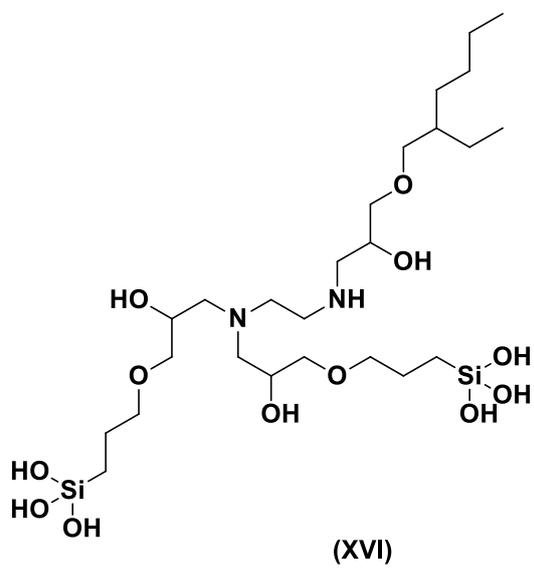
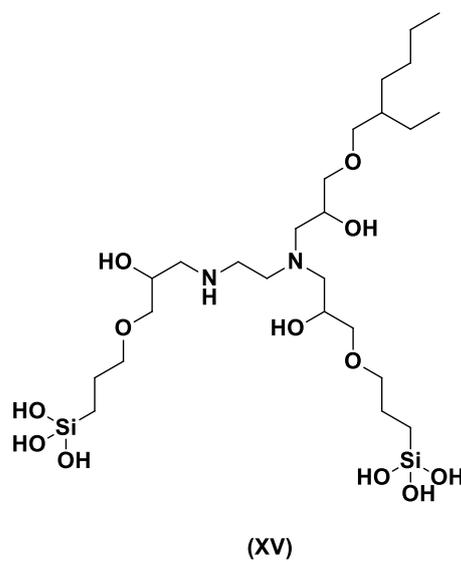
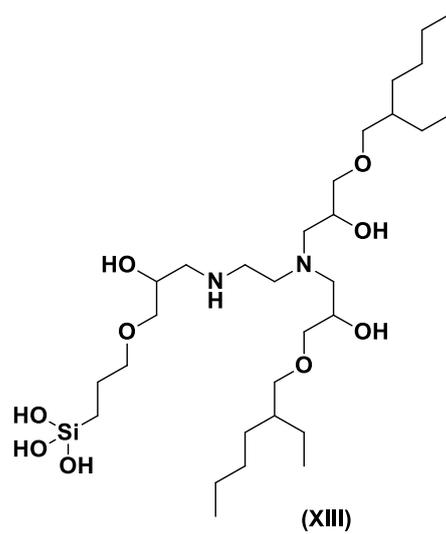


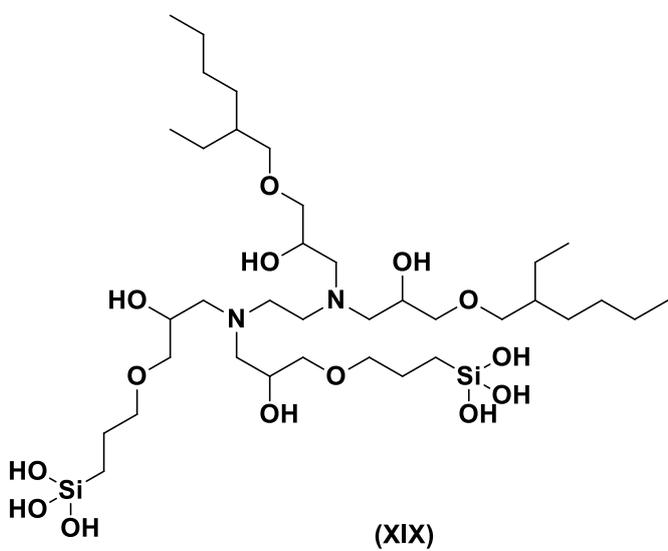
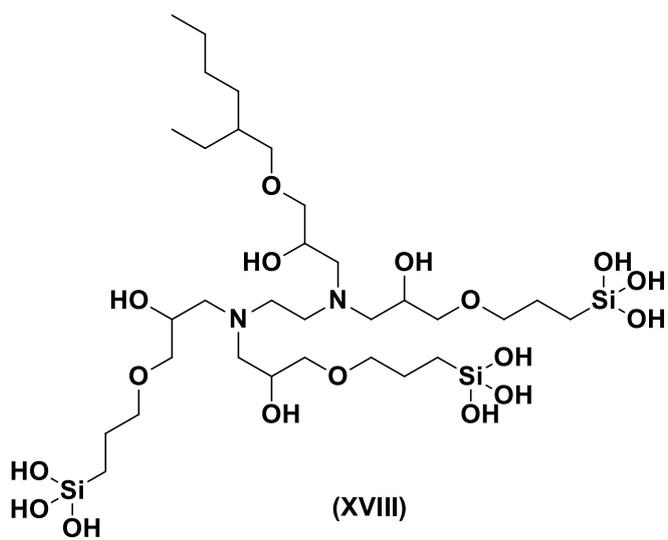
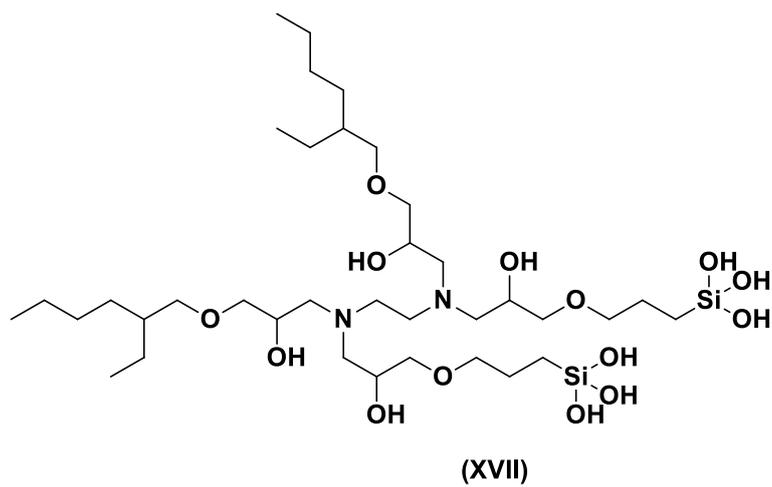
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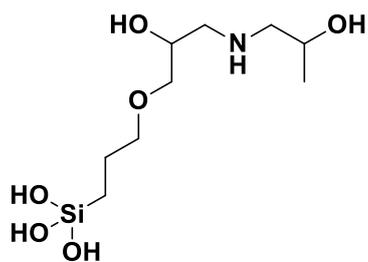


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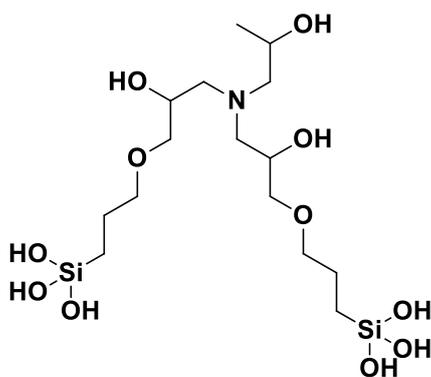




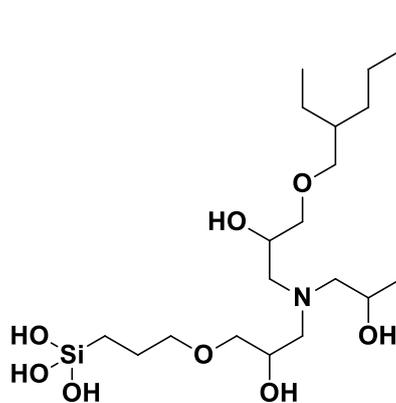




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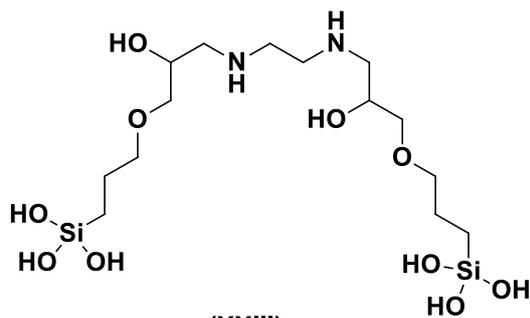


(XXI)

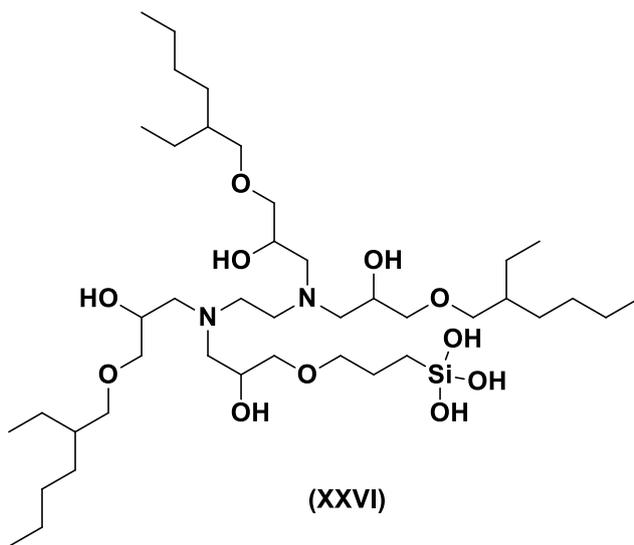
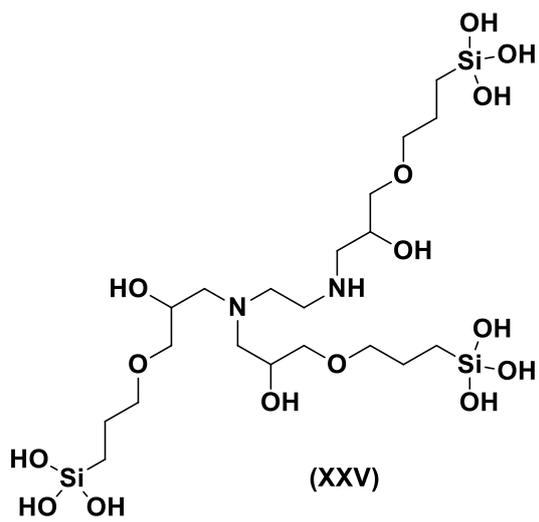
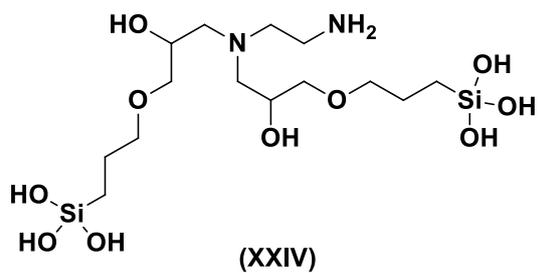


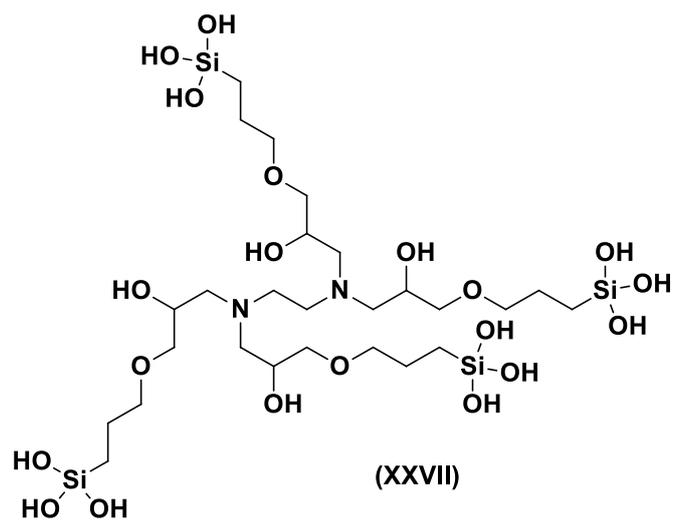
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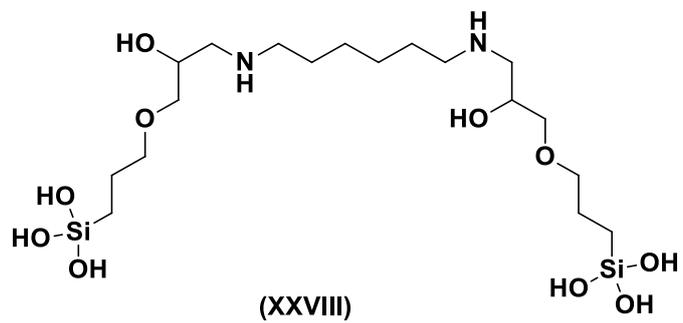
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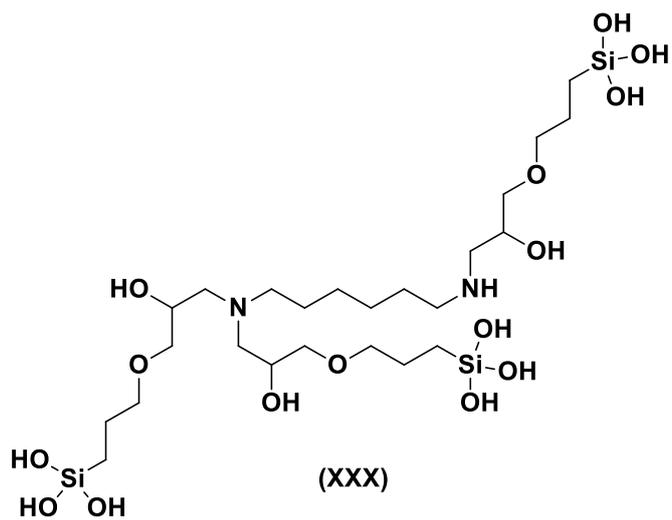
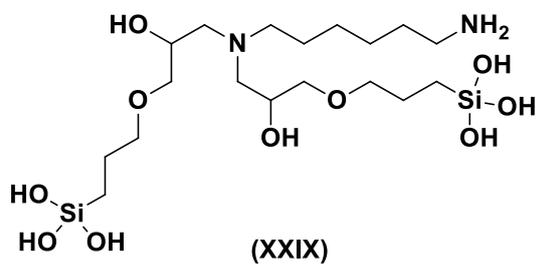
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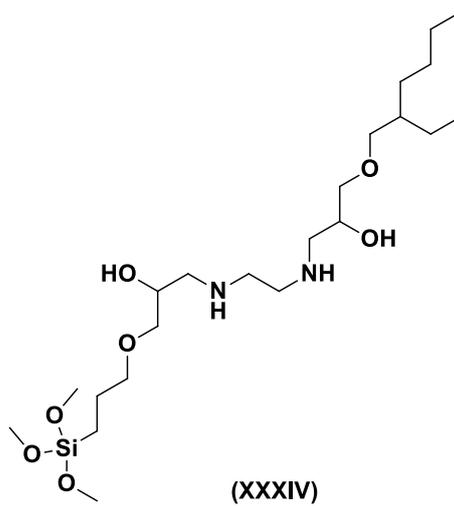
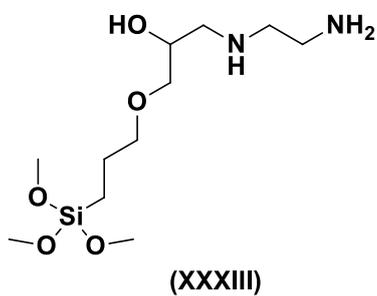
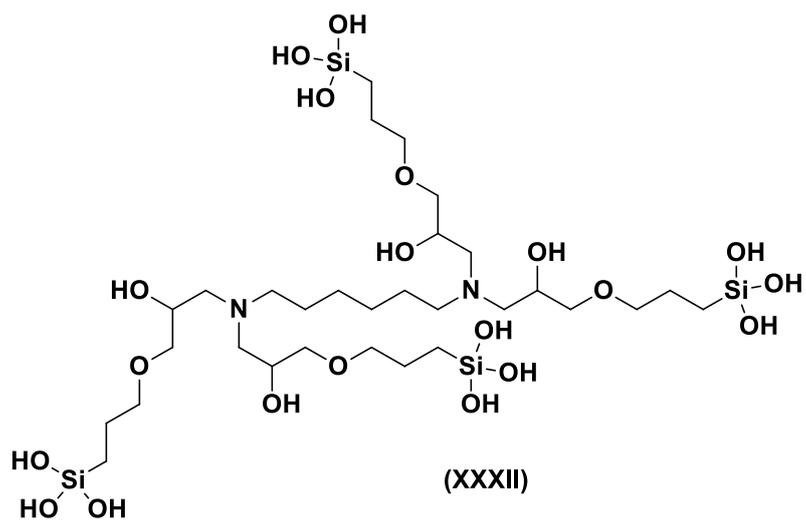


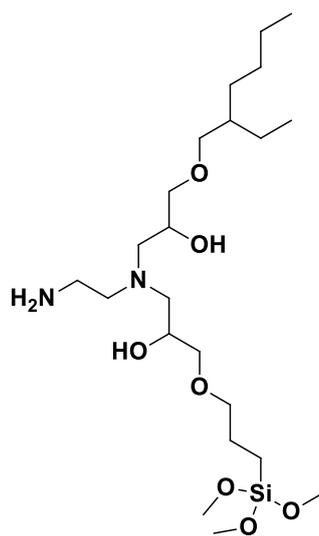




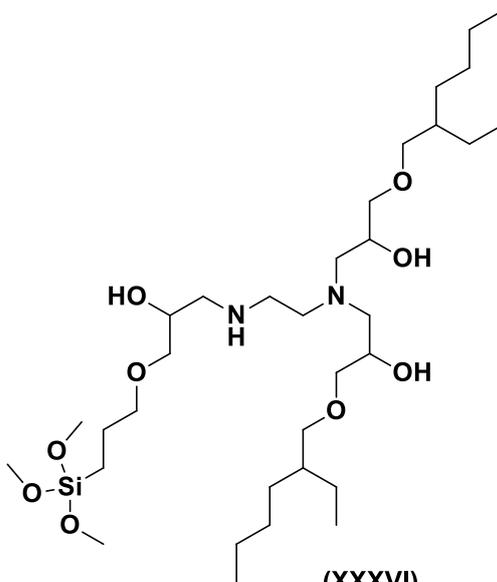
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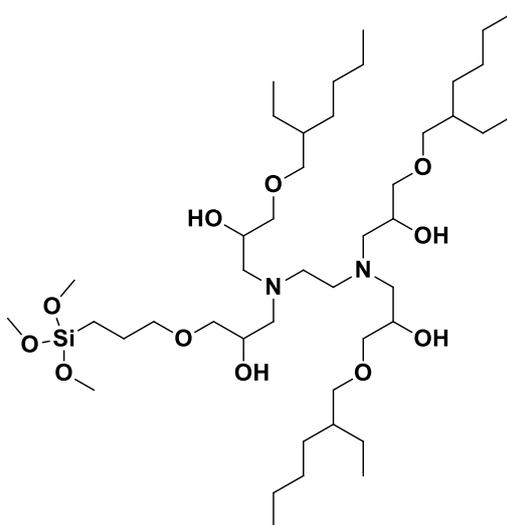




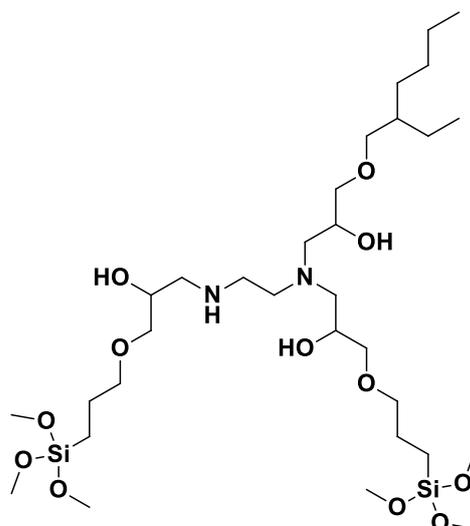
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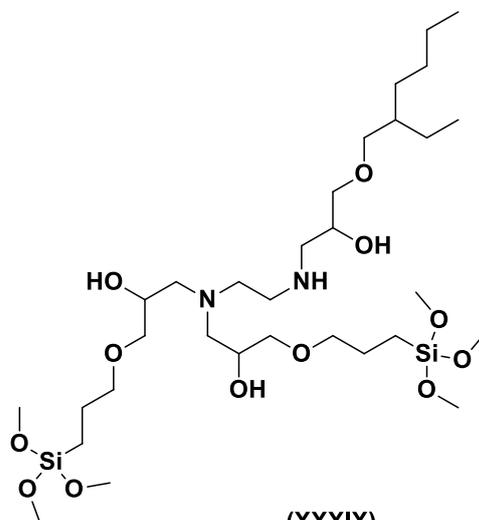
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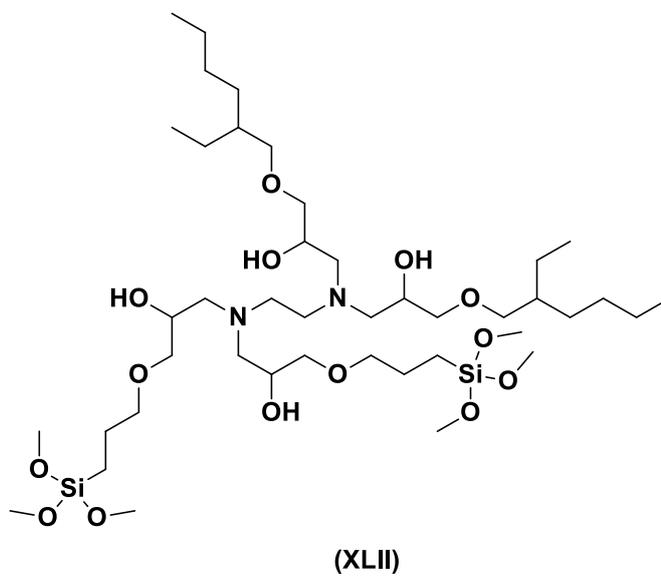
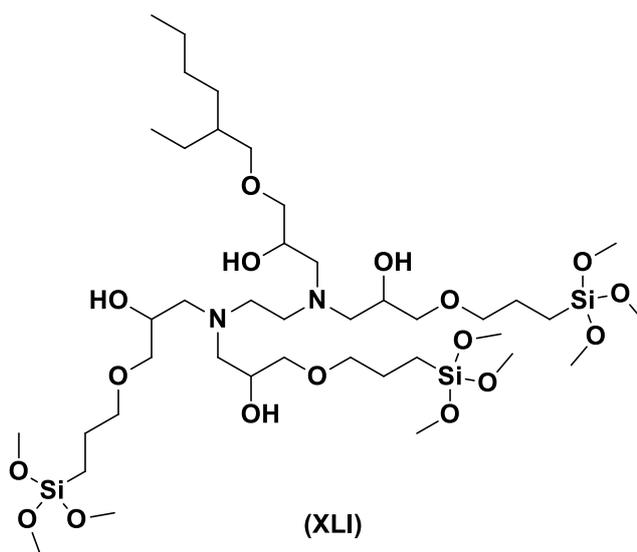
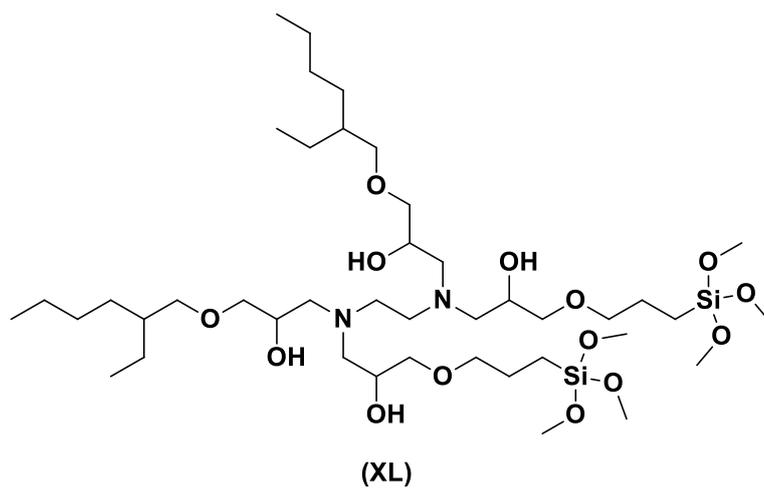
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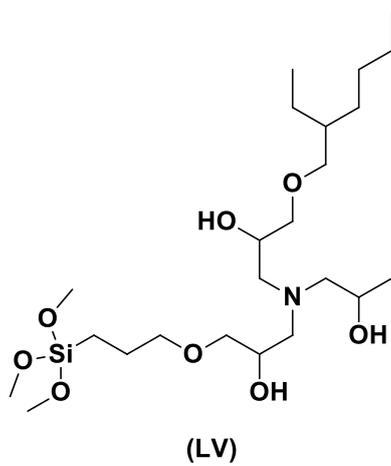
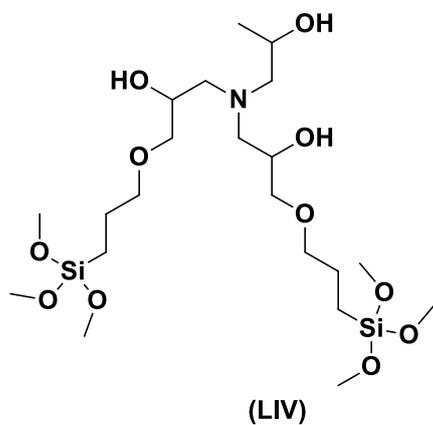
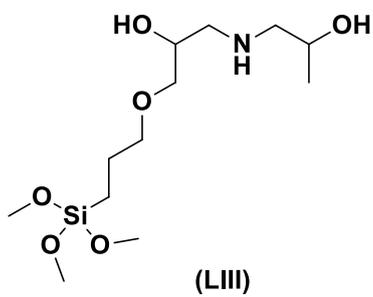
(XXXVIII)



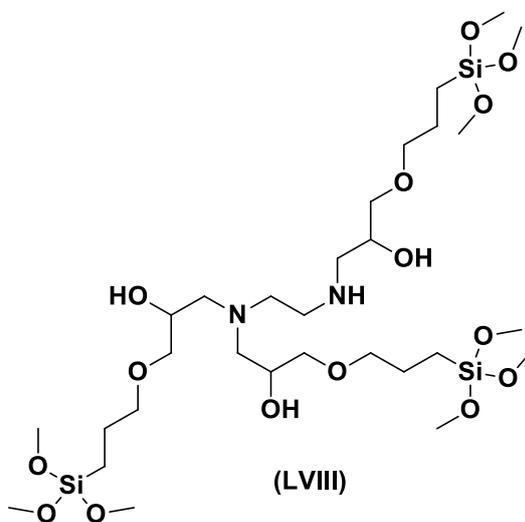
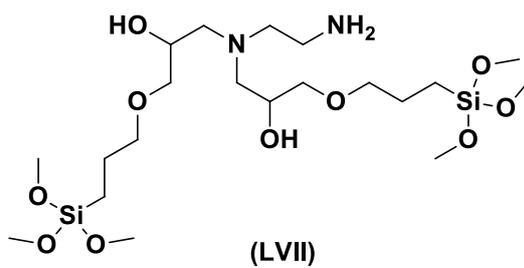
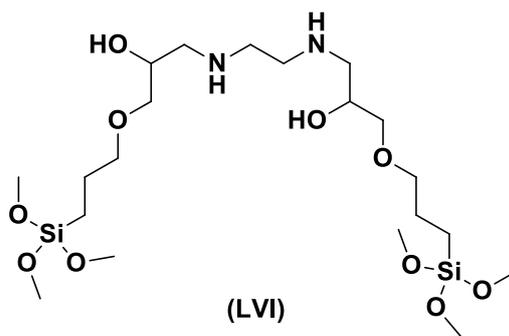
(XXXIX)

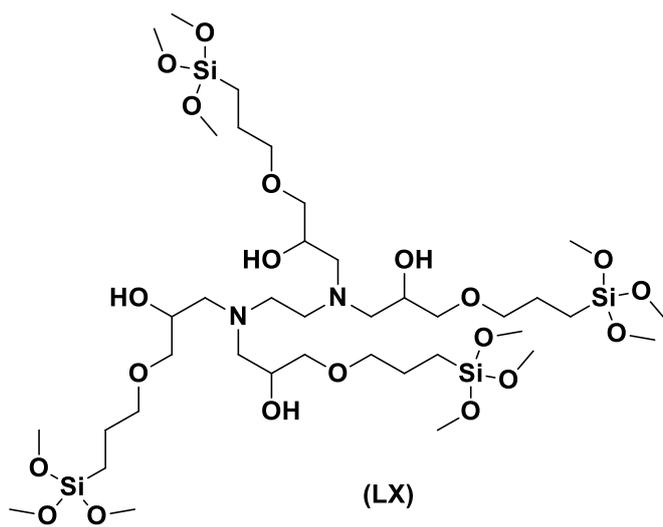


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2. A method according to claim 1, wherein the small molecule is selected from the group consisting of compounds (I) through (XIII), (XV) through (XXX) and (XXXII) through (XLII).

3. A method according to claim 1, wherein the small molecule is selected from the group consisting of compounds (LIII) through (LVIII).

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4. A method according to claim 1, wherein the small molecule is selected from the group consisting of compounds (LIII), (LIV) and (LV).

5. A method according to claim 1, wherein the small molecule is selected from the group consisting of compounds (I) through (IX).

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6. A method according to claim 1, wherein the small molecule is selected from the group consisting of compounds (X) through (XIII) and (XV) through (XIX).

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7. A method according to claim 1, wherein the small molecule is selected from the group consisting of compounds (XX) through (XXII).

8. A method according to claim 1, wherein the small molecule is selected from the group consisting of compounds (XXIII) through (XXIX).
- 5 9. A method according to claim 1, wherein the small molecule is selected from the group consisting of compounds (XXX) and (XXXII).
- 10 10. A method according to claim 1, wherein the small molecule is selected from the group consisting of compounds (XXXIII) though (XLII).
- 10 11. A method according to claim 1, wherein the small molecule is selected from the group consisting of compounds (LVI) through (LVIII) and (LX).
12. A method according to claim 1, wherein the small molecule is present in a solution in an amount ranging from about 0.01 to about 100 wt%.
- 15 13. A method according to claim 1, wherein the composition further comprises an item selected from the list consisting of: amines, activators, antifoaming agents, co-absorbents, corrosion inhibitors, coloring agents, and any combination thereof.
- 20 14. A method according to claim 1, wherein the composition comprises a solvent, the solvent is selected from the group consisting of: water, alcohols, polyols, other industrial solvents, organic solvents, and any combination thereof.
- 25 15. A method according to claim 1, wherein the composition is isolated from a synthesis reaction in the form of a solid, precipitate, gel, salt and/or crystalline material in pHs ranging from 0 to 14.
- 30 16. A method according to claim 1, wherein the composition is hydrolyzed prior to being added to the Bayer process.

