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Intellectual Property  
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Un organisme  
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ISSN-1712-4034

# The Patent Office Record

# La Gazette du Bureau des brevets



Vol. 147 No. 50 December 10, 2019 Vol. 147 No. 50 le 10 décembre 2019

Canada

CIPO OPIC

# THE CANADIAN PATENT OFFICE RECORD

# LA GAZETTE DU BUREAU DES BREVETS

Johanne Bélisle  
Commissioner of Patents

Johanne Bélisle  
Commissaire aux brevets

The Canadian Patent Office Record is published on Tuesday of each week under the authority of the Commissioner of Patents, Ottawa-Gatineau, Canada, to whom all communications should be addressed.

The Canadian Intellectual Property Office does not guarantee the accuracy of this publication, nor undertake any responsibility for errors or omissions or their consequences.

La Gazette du Bureau des brevets paraît le mardi de chaque semaine sous l'autorité du Commissaire aux brevets, Ottawa-Gatineau, Canada, à qui doit être adressée toute correspondance.

L'Office de la propriété intellectuelle de Canada ne garantit pas l'exactitude de la présente publication et ne se rend responsable d'aucune erreur ou omission ou de leurs conséquences.

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# Notices

## 1. Dates and Code Numerals Appearing in Patent Headings

### Dates

All dates appearing in the patent headings of this publication follow the form recommended by the International Standards Organization. The four digits on the left represent the years followed by two digits each for the months and the days. For example, January 02, 1999 will be shown as 1999-01-02.

### Code Numerals

The numerals within the brackets in the patent headings are INID codes. "INID" is an acronym for "Internationally agreed Numbers for the Identification of Data". These codes are utilized to identify patent bibliography as recommended by the Permanent Committee on Industrial Property Information (PCIPI) under the administration of the World Intellectual Property Organization (WIPO) based in Geneva, Switzerland.

The INID Codes and their corresponding definitions of bibliographic data elements are as follows:

- [11] - Number of Patent document
- [13] - Kind-of-document code
- [21] - Number assigned to the Application
- [22] - Date of Filing Application or
- [22] - Date of filing of related divisional application
- [25] - Language in which the published application was originally filed
- [30] - Data relating to priority under the Paris Convention
  
- [41] - Open to Public Inspection Date
- [45] - Date of Issue
- [48] - Correction Date ( Re-Issued, Re-Examined )
- [51] - International Classification
- [52] - Domestic Classification
- [54] - Title of Invention
- [60] - Related by Supplementary Disclosure
- [62] - Related by Division
- [64] - Related by Reissue
- [71] - Name(s) of Applicant(s)
- [72] - Name(s) of Inventor(s)
- [73] - Name(s) of Grantee(s)
- [85] - National Entry Date
- [86] - PCT International Filing Data
- [87] - PCT International Publication data

# Avis

## 1. Dates et chiffres de code figurant à l'entête des brevets

### Dates

Toutes dates figurant aux entêtes des brevets de cette publication suivent la forme recommandée par l'Organisation des normes internationales. Les quatre chiffres de gauche représentent les années et sont suivis, vers la droite, de deux autres chiffres chacun, pour les mois et les jours. Le 2 janvier 1999, par exemple, sera représenté par 1999-01-02.

### Chiffres de code

Les chiffres à l'intérieur des parenthèses aux entêtes des brevets sont des codes INID. Le sigle « INID » signifie « Identification numérique internationale des données bibliographiques ». Ces codes sont utilisés pour l'identification de la bibliographie de brevets, tel que recommandé par le Comité permanent chargé de l'information en matière de propriété industrielle (PCIPI), sous l'administration de l'Organisation mondiale de la propriété intellectuelle (OMPI), siège à Genève, Suisse.

Les codes INID accompagnés des définitions des données bibliographiques correspondantes sont comme suit :

- [11] - Numéro du brevet
- [13] - Désignation du type de document
- [21] - Numéro attribué à la demande
- [22] - Date du dépôt de la demande ou
- [22] - Date du dépôt de la demande divisionnaire apparentée
- [25] - Langue dans laquelle la demande publiée a été initialement déposée
- [30] - Données relatives à la priorité selon la Convention de Paris
- [41] - Date de mise à la disponibilité du public
- [45] - Date de délivrance
- [48] - Date de correction ( Redélivrance, Réexamen )
- [51] - Classification internationale
- [52] - Classification nationale
- [54] - Titre de l'invention
- [60] - Apparenté par divulgation supplémentaire
- [62] - Apparenté par division
- [64] - Apparenté par redélivrance
- [71] - Nom(s) du (des) demandeur(s)
- [72] - Nom(s) de(s) l'inventeur(s)
- [73] - Nom(s) du (des) titulaire(s)
- [85] - Date d'entrée en phase nationale
- [86] - Données du dépôt international selon le PCT
- [87] - Données de publication internationale selon le PCT

## Avis

### 2. Country Code

The Country Codes appearing in this publication conform to those contained in annex A of the *Handbook on Industrial Property Information and Documentation* published by the World Intellectual Property Organization (WIPO). This document is accessible from a link entitled Standards ST-3 on the List of WIPO Standards, Recommendations and Guidelines (Abbreviated Titles) located on the WIPO Web site: ([www.wipo.int/scit/en/standards/standards.htm](http://www.wipo.int/scit/en/standards/standards.htm)).

### 2. Code des pays

Les Codes des pays qui se trouvent dans cette publication sont conformes à ceux dans l'annexe A du *Manuel sur l'information et la documentation en matière de propriété industrielle* publié par l'Organisation Mondiale de la Propriété Intellectuelle (OMPI). Ce document est accessible à partir de l'hyperlien intitulé Normes ST-3 dans la Liste des normes, recommandations et principes directeurs de l'OMPI (Titres abrégés) qui se trouve au site Web de l'OMPI: ([www.wipo.int/scit/fr/standards/standards.htm](http://www.wipo.int/scit/fr/standards/standards.htm)).

### 3. How to Purchase Paper Copies of Canadian Patents and Canadian Applications Open to Public Inspection

Paper copies of all other Canadian Patents and Canadian applications open to public inspection may be purchased at the cost of \$1 per page by visiting ([www.strategis.ic.gc.ca/patentsorder](http://www.strategis.ic.gc.ca/patentsorder)) or by writing to the Commissioner of Patents, Ottawa-Gatineau, K1A 0C9.

Item 25.1\* On requesting copy in electronic form of a document:

- |   |      |
|---|------|
| a) for each request   | N/A  |
| b) plus, for each patent or application to which the request relates  | \$10 |
| c) plus, if the copy is requested on a physical medium, for each physical medium requested in addition to the first | \$10 |
| d) plus, for each additional 10 megabytes or part of them exceeding 7 megabytes                                     | \$10 |

### 3. Comment acheter des copies sur papier de brevets canadiens et de demandes canadiennes mises à la disponibilité du public

Les copies sur papier de tous les autres brevets canadiens et des demandes canadiennes mises à la disponibilité du public peuvent être achetées au coût de 1 \$ par page en visitant notre site Web ([www.strategis.ic.gc.ca/brevetscommande](http://www.strategis.ic.gc.ca/brevetscommande)) ou en écrivant au Commissaire aux brevets, Ottawa-Gatineau, K1A 0C9.

Article 25.1\* Demande d'une copie d'un document sous forme électronique :

- |  |       |
|--|-------|
| a) pour chaque demande   | S.O.  |
| b) pour chaque demande de brevet ou brevet visé par la demande   | 10 \$ |
| c) dans le cas où le document doit être copié sur plus d'un support matériel, pour chaque support matériel additionnel | 10 \$ |
| d) pour chaque tranche de 10 mégaoctets qui excède 7 mégaoctets, l'excédant étant arrondi au multiple supérieur        | 10 \$ |

### 4. Orders for Patents by Class or Sub-Class

A listing of all patents that have issued in each class or sub-class including both patents in force and expired patents, may be ordered at a price of \$1 per page from the Patent Office.

### 4. Commande de brevets par classe ou sous-classe

Les listes de brevets délivrés dans chaque classe ou sous-classe, incluant les brevets en vigueur et ceux ayant expiré, peuvent être commandées auprès du Bureau des brevets au prix de 1 \$ la page.

## 5. Advice on Making a Patent Application

Any person intending to file a patent application may obtain an information kit upon request from the Commissioner of Patents, Ottawa-Gatineau, Canada K1A 0C9. It is recommended that applicants make use of the services of a registered Patent Agent. A list of Patent Agents in any area of Canada will also be supplied upon request.

## 5. Conseils relatifs à la préparation de demandes de brevets

Toute personne qui a l'intention de déposer une demande de brevet peut obtenir une trousse d'information sur demande faite au Commissaire aux brevets, Ottawa-Gatineau, Canada K1A 0C9. On recommande aux demandeurs d'avoir recours aux services d'un agent de brevets inscrit au registre. Une liste des agents de brevets dans n'importe quelle région du Canada sera également fournie sur demande.

## 6. Licensing of Patents

### Voluntary Licences

Persons desiring to use, make or sell an invention patented in Canada should negotiate terms with the patent owner. The address of the patentee may be obtained by writing to the Commissioner of Patents, Ottawa-Gatineau, Canada, K1A 0C9. If a voluntary licence cannot be arranged, a compulsory licence may be possible.

### Compulsory Licences

Three years after a patent has been granted, one may request a compulsory licence to use the patent if there has been an abuse of the exclusive right. See Sections 65 to 71 of the *Patent Act*. Applications for a compulsory licence are made to the Commissioner of Patents.

## 6. Octroi de licences en vertu des brevets

### Licences librement accordées

Les personnes désirant utiliser, fabriquer ou vendre une invention brevetée au Canada doivent en négocier les conditions avec le titulaire du brevet. L'adresse du titulaire peut être obtenue en écrivant au Commissaire aux brevets, Ottawa-Gatineau, Canada, K1A 0C9. S'il est impossible d'obtenir une licence résultant d'un libre accord, il est peut être possible d'obtenir une licence obligatoire.

### Licences obligatoires

Il est possible de faire la demande d'une licence obligatoire trois ans après l'octroi d'un brevet si les droits exclusifs qui en dérivent ont donné lieu à un abus. Voir les articles 65 à 71 de la *Loi sur les brevets*. Les demandes de licence obligatoire doivent être présentées au Commissaire aux brevets.

## 7. Patents Available for Licence or Sale

An asterisk (\*) placed beside any patent listed in this issue of the *Canadian Patent Office Record* indicates that as of the date of grant the said patent is available for licence or sale. These and other patents now made available for licensing are included in the listing in part 8 of these notices.

## 7. Brevets disponibles pour licence ou vente

Un astérisque (\*) marqué à côté de tout brevet inscrit dans le présent numéro de la *Gazette du bureau des brevets*, signale qu'à compter de la date de la présente publication, ledit brevet est disponible pour octroi de licence ou vente. Une liste de ces brevets et d'autres mis en disponibilité pour octroi de licence, est publiée au no. 8 des présents avis.

## 8. List of Patents Available for Licence or Sale

The following Canadian patents have been made available this week for sale or licensing:

2,955,948

## 8. Liste des brevets disponibles pour octroi de licence ou vente

Les brevets canadiens suivants ont été mis en disponibilité cette semaine pour vente ou octroi de licence :

2,955,948

## 9. Applications Open to Public Inspection

All patent applications filed since October 1, 1989 and documents filed in connection therewith are open to public inspection at the Patent Office after the expiration of a confidentiality period of eighteen months beginning on the filing date of the application, or where a request for priority has been made in respect to the application, beginning on the priority date claimed. An application may become open to public inspection sooner at the request or with the approval of the applicant (Section 10(2) of the *Patent Act*). However, an application shall not be open for public inspection if it is withdrawn within the time set out in Section 92 of the *Patent Rules*. This time limit is two months before the expiry of the confidentiality period or where the Commissioner is able to stop technical preparations to open the application to the public at a subsequent date.

## 9. Demandes mises à la disponibilité du public

Toutes les demandes de brevet et documents relatifs à ceux-ci, déposés au Bureau des brevets depuis le 1er octobre 1989, peuvent y être consultées après l'expiration de la période de confidentialité de dix-huit mois à compter de la date de dépôt de la demande de brevet ou, si une demande de priorité a été présentée à l'égard de celle-ci, de la date de dépôt sur laquelle la demande de priorité est fondée. Une demande de brevet peut être consultée avant l'expiration de la période, à la requête ou sur autorisation du demandeur (article 10(2) de la *Loi sur les brevets*). Toutefois, une demande de brevet ne pourra être consultée si celle-ci est retirée à l'intérieur du délai prévu à l'article 92 des *Règles sur les brevets*. Le délai prévu est de deux mois précédant la date d'expiration de la période de confidentialité ou, lorsque le commissaire est en mesure, à une date ultérieure, d'arrêter les préparatifs techniques en vue de la consultation de cette demande.

## 10. Language of Published Documents

When ordering a published patent, please note that the language of the document can be identified by the language code (INID [25]) EN (English) or FR (French).

## 11. Patent Cooperation Treaty (PCT) Schedule of Fees Applicable for Applications Filed on or After February 19, 2019

1. Transmittal Fee (Rule 14)	\$300
2. International Filing Fee	\$1730*
For each additional sheet over 30	\$20
3. International Search Fee	\$1600

The above mentioned fees are due at time of filing of the international application, or within one month from the international filing date (date of receipt of the international application by the receiving office). These fees are to be paid in Canadian dollars and cheques should be made payable to the Receiver General for Canada.

If the fees are not paid within one month from the international filing date, the receiving office shall invite the applicant to pay the amount required, together with a late payment fee under

## 10. Langue du document publié

Toute personne intéressée à obtenir une copie d'un brevet publié doit prendre note que les codes suivants EN (Anglais) ou FR (Français) représentent (INID [25]) la langue de la copie du brevet publié.

## 11. Traité de coopération en matière de brevets (PCT) barème de taxes à partir du 19 février 2019

1. Taxe de transmission (Règle 14)	300 \$
2. Taxe de dépôt internationale	1730 \$*
Pour chaque feuille au delà de 30	20 \$
3. Taxe de recherche internationale	1600 \$

Les taxes mentionnées ci-haut sont payables au moment du dépôt de la demande internationale, ou dans un délai d'un mois à compter de la date de dépôt international, (soit la date de réception de la demande internationale par l'office récepteur). Les taxes doivent être payées en dollars canadiens et les chèques sont payables au receveur général du Canada.

Si les taxes n'ont pas été payées dans un délai d'un mois à compter de la date de dépôt international, l'office récepteur invitera le demandeur à payer le montant dû, accompagné de la

## Notices

Rule 16bis.2, within one month from the date of the invitation. Failure to pay the fees will result in the withdrawal of the application by the receiving office.

### 4. Late payment fee

50% of the fees that are due, or,  
Minimum: Transmittal fee  
Maximum: 50% of the international filing fee

taxe pour le paiement tardif visée à la règle 16bis.2, dans un délai d'un mois à compter de l'invitation. Si vous omettez de payer les taxes, l'office récepteur retirera votre demande.

## Preliminary Examination

5. Handling fee (Rule 57.2(a)) \$260

6. Preliminary examination fee (Rule 58) \$800

\* International fees will be reduced by:

- \$260 for all applications filed electronically using PCT-SAFE or ePCT (The request in character coded format).
- \$390 for all applications filed electronically using PCT-SAFE or ePCT (The request, description, claims and abstract in character coded format).

### 4. Taxe pour paiement tardif

50% du montant impayé, ou,  
Minimum : taxe de transmission  
Maximum : 50% de la taxe de dépôt international

## Examen préliminaire

5. Taxe de traitement (Règle 57.2a) 260 \$

6. Taxe d'examen préliminaire (Règle 58) 800 \$

\* Les frais seront réduits de:

- 260 \$ pour toutes les demandes déposées en utilisant PCT-SAFE ou ePCT (La requête étant en format à codage de caractères).
- 390 \$ pour toutes les demandes déposées en utilisant PCT-SAFE ou ePCT (La requête, la description, les revendications et l'abrégé étant en format à codage de caractères).

## 12. PCT Notices

### Patent Cooperation Treaty (PCT)

Copies of the *Patent Cooperation Treaty Applicants Guide* and the *Patent Cooperation Treaty & Regulations* are available from WIPO - World Intellectual Property Organization at a cost of 200 Swiss Francs and 18 Swiss Francs, respectively.

Those wishing for further information including prices for both previous and current subscriptions should contact WIPO at:

Information Products Section  
Post Office Box 18  
1211 Geneva 20 Switzerland  
Telephone (011 41 22) 338-9618  
Facsimile (011 41 22) 740-1812

or by "E-mail" ([publications.mail@wipo.int](mailto:publications.mail@wipo.int)) or visit their Web site ([www.wipo.int](http://www.wipo.int)).

## 12. Avis PCT

### Traité de Coopération en matière de brevets (PCT)

Des copies du *Guide du déposant du PCT* ainsi que du *Traité et des Règlements* sont disponibles auprès de l'OMPI - Organisation mondiale de la propriété intellectuelle au coût de 200 francs suisses et 18 francs suisses, respectivement.

Les personnes qui désirent obtenir de plus amples renseignements, notamment sur le prix des abonnements antérieurs et courants, sont priées de s'adresser directement à :

l'OMPI à la Section des produits d'information  
Boîte postale 18  
1211 Genève 20 Suisse  
Téléphone (011 41 22) 338-9618  
Télécopieur (011 41 22) 740-1812

ou par courriel ([publications.mail@wipo.int](mailto:publications.mail@wipo.int)) ou visiter leur site Web ([www.wipo.int](http://www.wipo.int)).

## 13. Practice Notice

### LIMITED PARTNERSHIPS CAN BE ENTERED ON THE REGISTER OF AGENTS AND ON THE LIST OF TRADE-MARK AGENTS

**Note:** This practice notice is intended to provide guidance on current Patent and Trade-marks Office practice and interpretation of relevant legislation. However, in the event of any inconsistency between this notice and the applicable legislation, the legislation must be followed.

The Patent Office and the Trade-marks Office (hereinafter jointly referred to as “the Offices”) have been receiving inquiries as to whether limited partnerships are entitled to act as patent and trade-mark agents before the Offices.

With respect to the register of patent agents, section 15 of the *Patent Act* provides that a register of patent agents shall be kept in the Patent Office on which shall be entered the names of all persons and firms entitled to represent applicants in the presentation and prosecution of applications for patents or in other business before the Patent Office. Section 2 of the *Patent Rules* stipulates that the expression "patent agent" means any person or firm whose name is entered on the register of patent agents pursuant to section 15. Paragraph 15(c) of the *Patent Rules* provides that the Commissioner shall enter on the register of patent agents, on payment of the fee set out in item 33 of Schedule II, the name of **any firm, if the name of at least one member of the firm is entered on the register.**

With respect to the list of trade-mark agents, subsection 28(2) of the *Trade-marks Act* provides that the list of trade-mark agents shall include the names of all persons and firms entitled to represent applicants in the presentation and prosecution of applications for the registration of a trade-mark or in other business before the Trade-marks Office. Paragraph 21(d) of the *Trade-mark Regulations* (1996) stipulates that the Registrar shall, on written request and payment of the fee set out in item 19 of the schedule, enter on a list of trade-mark agents the name of **any firm having the name of at least one of its members entered on the list as a trade-mark agent.**

Both the patent and trade-mark legislation therefore provide that firms may act as agents before the Offices, as long as one of their members is entered on the register or list of agents. It is generally recognised that the term “firm” includes partnerships, and the Offices have already allowed general partnerships and limited liability partnerships to be entered on the register or list of agents. The Offices consider that limited partnerships are also firms, and that they are entitled to act as agents before the

## 13. Énoncé de pratique

### LES SOCIÉTÉS EN COMMANDITE PEUVENT ÊTRE INSCRITES AU REGISTRE DES AGENTS DE BREVETS ET SUR LA LISTE DES AGENTS DE MARQUES DE COMMERCE

**Nota :** Le présent énoncé de pratique a pour but de préciser les pratiques actuelles du Bureau des brevets et du Bureau des marques de commerce et l'interprétation faite par ces derniers de certaines dispositions législatives. Toutefois, en cas de divergence entre le présent énoncé et la législation applicable, c'est la législation qui prévaudra.

Le Bureau des brevets et le Bureau des marques de commerce (ci-après appelés conjointement « les Bureaux ») ont reçu des questions à savoir si les sociétés en commandite (en anglais « limited partnerships ») ont le droit d'agir en tant qu'agents de brevets et de marques de commerce auprès des Bureaux.

En ce qui concerne le registre des agents de brevets, l'article 15 de la *Loi sur les brevets* prévoit qu'un registre des agents de brevets est tenu au Bureau des brevets sur lequel sont inscrits les noms de toutes les personnes et entreprises ayant le droit de représenter les demandeurs dans la présentation et la poursuite des demandes de brevet ou dans toute autre affaire devant le Bureau des brevets. Aux termes de l'article 2 des *Règles sur les brevets*, « agent de brevets » s'entend de toute personne ou maison d'affaires dont le nom est inscrit au registre des agents de brevets aux termes de l'article 15. L'alinéa 15c) des *Règles sur les brevets* prévoit que le commissaire inscrit au registre des agents de brevets, moyennant paiement de la taxe prévue à l'article 33 de l'annexe II, le nom de **toute maison d'affaires dont le nom d'au moins un membre est inscrit au registre des agents de brevets.**

En ce qui concerne la liste des agents de marques de commerce, le paragraphe 28(2) de la *Loi sur les marques de commerce* prévoit que la liste des agents de marques de commerce comporte les noms des personnes et études habilitées à représenter les intéressés dans la présentation et la poursuite des demandes d'enregistrement des marques de commerce et de toute affaire devant le Bureau des marques de commerce. Aux termes de l'alinéa 21d) du *Règlement sur les marques de commerce* (1996), le registraire, sur demande écrite et sur paiement du droit prévu à l'article 19 de l'annexe, inscrit sur la liste des agents de marques de commerce le nom de **toute firme dont le nom d'au moins un membre est inscrit sur la liste à titre d'agent de marques de commerce.**

La législation actuelle sur les brevets et celle sur les marques de commerce prévoient donc que des firmes peuvent agir en tant qu'agents auprès des Bureaux, à condition que l'un de leurs membres soit inscrit au registre ou à la liste des agents. Il est généralement admis que le terme « firme » inclut les sociétés (en anglais « partnerships ») et les Bureaux ont déjà autorisé des sociétés en nom collectif (en anglais « general partnerships») ainsi que des sociétés à responsabilité limitée

Offices.

Therefore, commencing immediately, the Offices will enter upon request, on the register or list of agents, limited partnerships that otherwise meet the requirements set out in the patent and trade-mark legislation.

The Offices, however, continue to consider that the current patent and trade-mark legislation do not allow corporations to be entered on the register or list of agents, since corporations do not have members and therefore cannot meet the requirements set out in paragraph 15(c) of the *Patent Rules* and paragraph 21(d) of the *Trade-mark Regulations* (1996).

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(en anglais « limited liability partnerships ») à être inscrites au registre ou à la liste des agents. Les Bureaux considèrent que les sociétés en commandite sont aussi des firmes et qu'elles ont le droit d'agir en tant qu'agents auprès des Bureaux.

En conséquence, sur demande, les Bureaux inscriront désormais au registre, ou à la liste des agents, les sociétés en commandite qui répondent aux exigences de la *Loi sur les brevets et de la Loi sur les marques de commerce*.

Les Bureaux continuent toutefois de considérer que la législation actuelle sur les brevets et les marques de commerce ne permet pas aux compagnies (en anglais « corporations ») d'être inscrites au registre ou à la liste des agents, étant donné que les compagnies n'ont pas de membres et ne peuvent donc pas satisfaire aux exigences de l'alinéa 15c) des *Règles sur les brevets et de l'alinéa 21d) du Règlement sur les marques de commerce* (1996).

## 14. Correspondence Procedures

The correspondence procedures and the related practice for written communications to the Commissioner of Patents and the Patent Office under the Patent Act and the Patent Rules is outlined in Chapter 2 of the Manual of Patent Office Practice (MOPOP).

Web Link for MOPOP:

[http://www.ic.gc.ca/eic/site/cipointernet-internetopic.nsf/eng/h\\_wr00720.html](http://www.ic.gc.ca/eic/site/cipointernet-internetopic.nsf/eng/h_wr00720.html)

The correspondence procedures and the related practice of written communications with respect to Trademarks and to Industrial Design can be found in the Practice Notice entitled *Correspondence Procedures*, available on CIPO's website.

CIPO Web Link for correspondence procedures pertaining to Trademarks and Industrial Design:

<https://www.ic.gc.ca/eic/site/cipointernet-internetopic.nsf/eng/wr00633.html>

Publication date: May 10, 2017

Amendment date: June 17, 2019

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6. Procedures in Case of an Unexpected Office Closure at CIPO

## 14. Procédures de correspondance

Les procédures de correspondance et les pratiques connexes de communication écrite au commissaire aux brevets ou au Bureau des brevets en vertu de la Loi sur les brevets et des Règles sur les brevets seront exposées dans le chapitre 2 du Recueil des pratiques du Bureau des brevets (RPBB).

Lien Web pour le RPBB :

[http://www.ic.gc.ca/eic/site/cipointernet-internetopic.nsf/fra/h\\_wr00720.html](http://www.ic.gc.ca/eic/site/cipointernet-internetopic.nsf/fra/h_wr00720.html)

Les procédures de correspondance et les pratiques connexes de communication écrite concernant les marques de commerce et les dessins industriels se trouvent dans le document intitulé *Procédures de correspondance*, consultable sur le site Web de l'OPIC.

Lien Web de l'OPIC pour les procédures de correspondance relatives aux marques de commerce et aux dessins industriels :  
<https://www.ic.gc.ca/eic/site/cipointernet-internetopic.nsf/fra/wr00633.html>

Date de publication : 10 mai 2017

Date de modification : 17 juin 2019

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## Avis

7. Procedures when CIPO is Open to the Public but Clients are Unable to Communicate with the Office
8. Intellectual Property Acts, Rules and Regulation

7. Procédures à suivre lorsque l'Office est ouvert au public, mais les clients sont incapables de communiquer avec l'Office
8. Lois, règles et règlements sur la propriété intellectuelle

This notice is intended to clarify the practice of the Canadian Intellectual Property Office with respect to correspondence procedures and written communications and replaces all previous notices.

### **1. Physical Delivery of Correspondence and Written Communications to CIPO**

For the purposes of sections 5 and 54 of the Patent Rules, subsection 10(1) of the Trademarks Regulations, section 2 of the Copyright Regulations, section 4 of the Industrial Design Regulations and section 3 of the Integrated Circuit Topography Regulations, the address of the Patent Office, the Office of the Registrar of Trademarks, the Copyright Office, the Industrial Design Office, and the Office of the Registrar of Topographies (hereinafter sometimes collectively referred to as "CIPO") is:

Canadian Intellectual Property Office  
Place du Portage I  
50 Victoria Street, Room C-114  
Gatineau QC K1A 0C9

In accordance with subsections 5(2), 5(3), 54(1) and 54(2) of the Patent Rules, subsection 10(2) of the Trademarks Regulations, subsections 2(2) and (3) of the Copyright Regulations, subsection 5(1) of the Industrial Design Regulations and subsections 3(2) and (3) of the Integrated Circuit Topography Regulations, correspondence and written communications delivered to the above address between 8:30 a.m. to 4:30 p.m. (Eastern Time) Monday to Friday is deemed to have been received on the actual date of their delivery if they are delivered when CIPO is open to the public.

Correspondence delivered at a time when CIPO is closed to the public will be deemed or considered to have been received on the day on which CIPO is next open to the public.

Please be advised that once correspondence is received by CIPO it cannot be returned to the sender, even if the sender states that the correspondence was sent by mistake. Exceptionally, in cases where correspondence is related to a patent application that does not meet the requirements under subsection 27.1(1) of the Patent Act for obtaining a filing date, the documents will be returned to the sender.

The Fee Payment Form should always be submitted as a covering document and should be the only document submitted

Le présent énoncé de pratique a pour but de préciser la pratique de l'Office de la propriété intellectuelle du Canada relativement aux procédures de correspondance et de communications écrites et remplace tout avis antérieur.

### **1. Remise physique de correspondance et communications écrites à l'OPIC**

Pour l'application des articles 5 et 54 des Règles sur les brevets, du paragraphe 10(1) du Règlement sur les marques de commerce, de l'article 2 du Règlement sur le droit d'auteur, de l'article 4 du Règlement sur les dessins industriels et de l'article 3 du Règlement sur les topographies de circuits intégrés, l'adresse du Bureau des brevets, du Bureau du registraire des marques de commerce, du Bureau du droit d'auteur, du Bureau des dessins industriels, et du Bureau du registraire des topographies (ci-après parfois collectivement appelés « OPIC ») est la suivante :

Office de la propriété intellectuelle du Canada  
Place du Portage I  
50, rue Victoria, pièce C-114  
Gatineau (Québec) K1A 0C9

Conformément aux paragraphes 5(2), 5(3), 54(1) et 54(2) des Règles sur les brevets, du paragraphe 10(2) du Règlement sur les marques de commerce, des paragraphes 2(2) et (3) du Règlement sur le droit d'auteur, du paragraphe 5(1) du Règlement sur les dessins industriels et des paragraphes 3(2) et (3) du Règlement sur les topographies de circuits intégrés, la correspondance et les communications écrites ayant été remises à l'adresse ci-dessus entre 8h30 et 16h30 (Heure de l'Est) du lundi au vendredi seront réputées avoir été reçues le jour de leur remise, si elles sont remises alors que l'OPIC est ouvert au public.

La correspondance remise lorsque les bureaux de l'OPIC sont fermés au public sera réputée avoir été reçue le jour de la réouverture de l'OPIC au public.

Veuillez prendre note qu'une fois que l'OPIC reçoit de la correspondance, celle-ci ne peut pas être retournée à l'expéditeur, même si l'expéditeur indique que la correspondance a été envoyée par erreur. Exceptionnellement, dans le cas où la correspondance vise une demande de brevet qui ne rencontre pas les exigences du paragraphe 27.1(1) de la Loi sur les brevets pour l'obtention d'une date de dépôt, les documents seront renvoyés à l'expéditeur.

Le formulaire de paiements des frais devrait toujours être

## Notices

to CIPO that contains financial information, such as credit card numbers.

Download the [Fee Payment Form](#).

fourni comme page couverture et devrait être le seul document soumis à l'OPIC contenant de l'information financière telle que les numéros de carte de crédit.

Téléchargez le [formulaire de paiement des frais](#).

### 1.1 Designated Establishments

For the purposes of subsections 5(4) and 54(3) of the Patent Rules, subsection 10(1) of the Trademarks Regulations, subsection 2(4) of the Copyright Regulations, section 4 of the Industrial Design Regulations and subsection 3(4) of the Integrated Circuit Topography Regulations, the following are the designated establishments or designated offices to which correspondence addressed to the Commissioner of Patents, the Registrar of Trademarks, the Copyright Office, the Industrial Design Office or the Registrar of Topographies may be delivered **in person**. Please note that documents, payments and payment instructions delivered to the addresses listed below **must be enclosed in a sealed envelope** and that **no in person payment transactions** are processed on site. The ordinary business hours for each designated establishment are listed below.

- Innovation, Science and Economic Development Canada  
C.D. Howe Building  
235 Queen Street, Room S-143  
Ottawa ON K1A 0H5  
Tel.: 343-291-3436

8:30 a.m. to 4:30 p.m. (local time) Monday to Friday,  
except statutory holidays

- Innovation, Science and Economic Development Canada  
Sun Life Building  
1155 Metcalfe Street, Room 950  
Montreal QC H3B 2V6  
Tel.: 514-496-1797  
Toll-free: 1-888-237-3037

8:30 a.m. to 4:30 p.m. (local time) Monday to Friday,  
except statutory holidays

- Innovation, Science and Economic Development Canada  
151 Yonge Street, 4th Floor  
Toronto ON M5C 2W7  
Tel.: 416-973-5000

8:30 a.m. to 4:30 p.m. (local time) Monday to Friday,

### 1.1 Établissements désignés

Pour l'application des paragraphes 5(4) et 54(3) des Règles sur les brevets, du paragraphe 10(1) du Règlement sur les marques de commerce, du paragraphe 2(4) du Règlement sur le droit d'auteur, de l'article 4 du Règlement sur les dessins industriels et du paragraphe 3(4) du Règlement sur les topographies de circuits intégrés, la correspondance adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur, au Bureau des dessins industriels ou au registraire des topographies peut être remise **en personne** aux établissements ou bureaux désignés suivants. Veuillez prendre note que les documents, paiements et instructions de paiements remis aux adresses énumérées ci-dessous doivent être **inclus dans une enveloppe scellée et qu'aucune transaction de paiement en personne** n'est traitée sur place. Les heures normales d'ouverture pour chaque établissement désigné sont indiquées ci-dessous.

- Innovation, Sciences et Développement économique Canada  
Édifice C.D. Howe  
235, rue Queen, pièce S-143  
Ottawa (Ontario) K1A 0H5  
Tél. : 343-291-3436

8 h 30 à 16 h 30 (heure locale) du lundi au vendredi, à l'exception des jours fériés

- Innovation, Sciences et Développement économique Canada  
Édifice Sun Life  
1155, rue Metcalfe, bureau 950  
Montréal (Québec) H3B 2V6  
Tél. : 514-496-1797  
Sans frais : 1-888-237-3037

8 h 30 à 16 h 30 (heure locale) du lundi au vendredi, à l'exception des jours fériés

- Innovation, Sciences et Développement économique Canada  
151, rue Yonge, 4e étage  
Toronto (Ontario) M5C 2W7  
Tél. : 416-973-5000

8 h 30 à 16 h 30 (heure locale) du lundi au vendredi,

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except statutory holiday	l'exception des jours fériés
<ul style="list-style-type: none"><li>Innovation, Science and Economic Development Canada Canada Place 9700 Jasper Avenue, Suite 725 Edmonton AB T5J 4C3 Tel.: 780-495-4782 Toll-free: 1-800-461-2646</li></ul>	<ul style="list-style-type: none"><li>Innovation, Sciences et Développement économique Canada Canada Place 9700, avenue Jasper, pièce 725 Edmonton (Alberta) T5J 4C3 Tél. : 780-495-4782 Sans frais : 1-800-461-2646</li></ul>
8:30 a.m. to 4:30 p.m. (local time) Monday to Friday, except statutory holidays	8 h 30 à 16 h 30 (heure locale) du lundi au vendredi, à l'exception des jours fériés
<ul style="list-style-type: none"><li>Innovation, Science and Economic Development Canada Library Square 300 West Georgia Street, Suite 2000 Vancouver BC V6B 6E1 Tel.: 604-666-5000</li></ul>	<ul style="list-style-type: none"><li>Innovation, Sciences et Développement économique Canada Library Square 300, rue Georgia Ouest, pièce 2000 Vancouver (C.-B.) V6B 6E1 Tél. : 604-666-5000</li></ul>
8:30 a.m. to 4:30 p.m. (local time) Monday to Friday, except statutory holidays	8 h 30 à 16 h 30 (heure locale) du lundi au vendredi, à l'exception des jours fériés

In accordance with subsections 5(4), 5(5), 54(3) and 54(4) of the Patent Rules, subsection 10(3) of the Trademarks Regulations, subsections 2(4) and (5) of the Copyright Regulations, subsection 5(2) of the Industrial Design Regulations and subsections 3(4) and (5) of the Integrated Circuit Topography Regulations, correspondence delivered to a designated establishment on a day when CIPO is open to the public will be deemed or considered to be received on the day on which they are delivered to that designated establishment. If CIPO is closed to the public, correspondence will be deemed or considered to be received on the day on which CIPO is next open to the public. For example, if correspondence intended for CIPO is delivered to the designated establishment in Toronto on June 24, it will not be considered to be received on June 24 as CIPO is closed on that day (St-Jean-Baptiste Holiday in Quebec). It will be deemed received on the day on which CIPO is next open to the public.

Conformément aux paragraphes 5(4), 5(5), 54(3) et 54(4) des Règles sur les brevets, au paragraphe 10(3) du Règlement sur les marques de commerce, aux paragraphes 2(4) et (5) du Règlement sur le droit d'auteur, au paragraphe 5(2) du Règlement sur les dessins industriels et aux paragraphes 3(4) et (5) du Règlement sur les topographies de circuits intégrés, la correspondance remise à l'un des établissements désignés susmentionnés lorsque les bureaux de l'OPIC sont ouverts au public sera réputée ou considérée avoir été reçue le jour de leur remise à cet établissement désigné. Si les bureaux de l'OPIC sont fermés au public, la correspondance sera réputée ou considérée avoir été reçue à le jour de la réouverture de l'OPIC au public. Par exemple, la correspondance adressée à l'OPIC remise à l'établissement désigné de Toronto le 24 juin ne sera pas considérée avoir été reçue le 24 juin puisque les bureaux de l'OPIC sont fermés ce jour-là (la Saint-Jean Baptiste est un jour férié au Québec). La correspondance sera alors réputée avoir été reçue le jour de la réouverture des bureaux de l'OPIC au public.

## 1.2. Registered Mail™ and Xpresspost™ services of Canada Post

For the purposes of subsections 5(4) and 54(3) of the Patent Rules, subsection 3(4) of the Trade-marks Regulations, subsection 2(4) of the Copyright Regulations, subsection 3(4) of the Industrial Design Regulations and subsection 3(4) of the Integrated Circuit Topography Regulations, the Registered Mail™ and Xpresspost™ services of Canada Post are designated establishments or designated offices to which

## 1.2. Services Courrier recommandé<sup>MC</sup> et Xpresspost<sup>MC</sup> de Postes Canada

Pour l'application des paragraphes 5(4) et 54(3) des Règles sur les brevets, du paragraphe 10(1) du Règlement sur les marques de commerce, du paragraphe 2(4) du Règlement sur le droit d'auteur, de l'article 4 du Règlement sur les dessins industriels et du paragraphe 3(4) du Règlement sur les topographies de circuits intégrés, les services Courrier recommandé<sup>MC</sup> et Xpresspost<sup>MC</sup> de Postes Canada sont des établissements ou des

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correspondence addressed to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies may be delivered.

CIPO considers that correspondence delivered through the Registered Mail™ and Xpresspost™ services of Canada Post is received by CIPO on the day indicated on the mailing receipt provided by Canada Post, or if CIPO is closed for business on that day, on the day when CIPO is next open for business.

## 2. Electronic Correspondence

For the purposes of section 8.1 of the Patent Act, subsection 64(1) of the Trademarks Act, subsection 24.1(1) of the Industrial Design Act and in accordance with subsections 5(6), 54(5), and 68(3) of the Patent Rules, subsection 10(4) of the Trademarks Regulations, subsection 2(6) of the Copyright Regulations, subsection 10(3) of the Industrial Design Regulations, and subsection 3(6) of the Integrated Circuit Topography Regulations, correspondence addressed to the Commissioner of Patents, the Registrar of Trademarks, the Copyright Office, the Industrial Design Office or the Registrar of Topographies may be sent by facsimile, online or on an electronic medium only as provided in the current notice.

In accordance with subsection 54(5) of the Patent Rules, the request for national entry is the only correspondence addressed to the Commissioner in respect of an international application that can be submitted online or on an electronic medium with the exception of sequence listings, applications prepared using the PCT-SAFE software or prepared using WIPO's ePCT online service as specified in the current notice. Other correspondence submitted online or on an electronic medium in respect of international applications that have not entered the national phase will not be accepted.

Subsection 10(5) of the Trademarks Regulations specifies certain categories of correspondence to which the provisions of subsection 10(4) do not apply.

Correspondence sent by facsimile or online to the Commissioner of Patents, the Registrar of Trademarks, the Copyright Office, the Industrial Design Office or the Registrar of Topographies constitutes the original, therefore a duplicate paper copy should not be forwarded.

Correspondence delivered to the Commissioner of Patents by electronic means of transmission, including facsimile, will be considered to be received on the day that it is transmitted if delivered and received before midnight local time at CIPO on a day when CIPO is open for business. When CIPO is closed for business, correspondence delivered on that day will be considered to be received on the next day on which CIPO is

bureaux désignés auxquels la correspondance adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur, au Bureau des dessins industriels ou au registraire des topographies peut être remise.

L'OPIC considère que la correspondance remise par l'entremise des services Courrier recommandé<sup>MC</sup> et Xpresspost<sup>MC</sup> de Postes Canada sont reçus par l'OPIC le jour indiqué sur le reçu de confirmation de Postes Canada, en autant que l'OPIC soit ouvert au public ce jour-là. Si l'OPIC est fermé au public ce jour-là, la correspondance sera réputée ou considérée avoir été reçue le jour de réouverture de l'OPIC au public.

## 2. Correspondance électronique

Pour l'application de l'article 8.1 de la Loi sur les brevets, du paragraphe 64(1) de la Loi sur les marques de commerce, du paragraphe 24.1(1) de la Loi sur les dessins industriels, et conformément aux paragraphes 5(6), 54(5) et 68(3) des Règles sur les brevets, au paragraphe 10(4) du Règlement sur les marques de commerce, au paragraphe 2(6) du Règlement sur le droit d'auteur, au paragraphe 10(3) du Règlement sur les dessins industriels et au paragraphe 3(6) du Règlement sur les topographies de circuits intégrés, la correspondance adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur, au Bureau des dessins industriels ou au registraire des topographies peut être transmise par télécopieur, en ligne ou à l'aide d'un support électronique et ce, seulement de la manière indiquée dans le présent énoncé.

Conformément au paragraphe 54(5) des Règles sur les brevets, la demande d'entrée en phase nationale d'une demande internationale est la seule correspondance adressée au commissaire qui peut être présentée en ligne ou sur support électronique, à l'exception des listages de séquences, des demandes préparées à l'aide du logiciel PCT-SAFE ou préparées à l'aide du service en ligne ePCT de l'OMPI, tel qu'indiqué dans le présent avis. Toute autre correspondance présentée en ligne ou sur support électronique relativement à des demandes internationales qui ne sont pas entrées dans la phase nationale ne sera pas acceptée.

Le paragraphe 10(5) du Règlement sur les marques de commerce prévoit certaines catégories de correspondance auxquelles les dispositions du paragraphe 10(4) ne s'appliquent pas.

La correspondance envoyée par télécopieur ou en ligne au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur, au Bureau des dessins industriels ou au registraire des topographies constitue une version originale. Par conséquent, un duplicata sur support papier ne devrait pas être expédié.

La correspondance livrée au commissaire aux brevets et reçue par voie électronique, y compris par télécopieur, est considérée comme ayant été reçue à l'OPIC le jour même de sa transmission, si elle est livrée avant minuit, heure locale,

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open for business.

Correspondence delivered to the Registrar of Trademarks or the Industrial Design Office by electronic means of transmission, including facsimile, is deemed to have been received on the day on which CIPO receives it (Eastern Time).

### 2.1 Facsimile

Black and white facsimile correspondence addressed to the Commissioner of Patents, the Registrar of Trademarks, the Copyright Office, the Industrial Design Office or the Registrar of Topographies may be sent to the following facsimile numbers:

(819) 953-CIPO (2476) or (819) 953-OPIC (6742)

Colour facsimile correspondence addressed to the Registrar of Trademarks or the Industrial Design Office **must** be sent to the following facsimile number:

(819) 934-3833

Note that the model of facsimile is a Xerox C505/X and that this information may be needed to ensure a successful colour transmission.

Facsimile correspondence that is sent to any facsimile number other than those indicated above, including those of a designated establishment, will be considered not to have been received.

Evidence submitted by facsimile in respect of an opposition or section 45 proceeding **will not be accepted** due to issues such as the often-poor quality of transmission, the risk of incomplete transmission and the voluminous nature of the documents.

The electronic transmittal report returned to you following your facsimile transmission will constitute your acknowledgment receipt. Confidentiality of the facsimile transmission process cannot be guaranteed. Please note that CIPO strongly discourages the use of a computer facsimile interface or internet-based facsimile services due to technical issues with reception.

When submitting by facsimile a document that also has a fee requirement, notification of the preferred mode of payment to be applied must be prominently displayed on the Fee Payment Form to ensure expedient processing.

lorsque les bureaux de l'OPIC sont ouverts au public. Si elle est transmise un jour où les bureaux de l'OPIC sont fermés au public, elle est considérée comme ayant été reçue à la date du jour d'ouverture suivant de l'OPIC.

La correspondance fournie au registraire des marques de commerce ou transmise au Bureau des dessins industriels par voie électronique, y compris par télécopieur, est réputée avoir été reçue le jour où l'OPIC l'a reçue (Heure de l'Est).

### 2.1 Correspondance par télécopieur

La correspondance en noir et blanc par télécopieur adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur, au Bureau des dessins industriels ou au registraire des topographies peut être transmise aux numéros ci-dessous :

819-953-OPIC (6742) ou 819-953-CIPO (2476)

La correspondance en couleur par télécopieur (modèle : Xerox C505/X) adressée au registraire des marques de commerce ou au Bureau des dessins industriels doit être transmise au numéro ci-dessous :

(819) 934-3833

À noter que le modèle de télécopieur est un Xerox C505/X; information qui peut être nécessaire afin de compléter une transmission en couleur.

La correspondance qui est transmise par télécopieur à tout autre numéro de télécopieur que ceux qui sont indiqués ci-dessus, y compris ceux d'établissements désignés, sera considérée comme n'ayant pas été reçue.

Les éléments de preuve présentés par télécopieur dans le cadre d'une procédure d'opposition ou de radiation en vertu de l'article 45 de la Loi **ne seront pas acceptés** en raison des inconvenients reliés à la mauvaise qualité de la transmission, au risque que la transmission soit incomplète et à la nature volumineuse de ces documents.

Le rapport de transmission électronique que vous recevrez après votre transmission par télécopieur constituera votre accusé de réception. La confidentialité du processus de transmission électronique ne peut pas être garantie. Veuillez noter que l'OPIC décourage fortement l'utilisation d'une interface de télécopie par ordinateur ou de services de télécopie par le biais d'internet étant donné les problèmes techniques probables avec la réception.

Lors de la transmission par télécopieur d'un document comprenant une demande d'acquittement de droit ou taxe, il faut clairement indiquer le mode de paiement préféré sur le formulaire de paiements des frais afin d'assurer un traitement rapide.

## Notices

### Patents

The document presentation requirements set out in sections 69 and 70 of the Patent Rules apply to facsimile correspondence.

### 2.2 Online

Correspondence addressed to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies may be sent electronically using the relevant links below.

### Patents

For the purpose of subsection 5(6) of the Patent Rules, correspondence addressed to the Commissioner may be sent electronically by accessing the following pages:

- [filing an application](#) (regular application);
- [filing a request for national entry](#);
- [filing an international application](#) (PCT Safe or ePCT);
- [general correspondence relating to applications and patents](#);
- [maintaining the name of a patent agent on the register of patent agents](#); and
- [ordering copies in paper, or electronic form of a document](#).

### Canada as Receiving Office Under the PCT: PCT-SAFE

Pursuant to PCT Rule 89bis, CIPO, in its role as a receiving Office, accepts the electronic filing of an international application prepared using the latest version of the WIPO's PCT-Safe software and applications prepared using WIPO's ePCT online service. Filing in both cases must be done using CIPO's International Filing e-service, called [PCT E-Filing](#).

**Note:** Correspondence related to PCT international applications can not be sent electronically to CIPO. Correspondence may be sent by mail, by facsimile or delivered by hand to CIPO or to a [designated establishment](#).

### Trademarks

For the purpose of subsection 10(4) of the Trademarks Regulations, the following correspondence addressed to the Registrar of Trademarks may be sent electronically by

### Brevets

Les exigences relatives à la présentation des documents énoncées aux articles 69 et 70 des Règles sur les brevets s'appliquent à la correspondance par télécopieur.

### 2.2 En ligne

La correspondance adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur ou au registraire des topographies peut être transmise par voie électronique.

### Brevets

Pour l'application du paragraphe 5(6) des Règles sur les brevets, la correspondance adressée au commissaire peut être envoyée par voie électronique, notamment en accédant aux pages suivantes :

- [déposer une demande](#) (demande régulière);
- [déposer une demande d'entrée dans la phase nationale](#);
- [déposer une demande internationale](#) (PCT Safe ou ePCT);
- [correspondance générale concernant des demandes et des brevets](#);
- [maintien du nom d'un agent de brevets dans le registre des agents de brevets](#);
- [commande de copies papier ou d'un document sous forme électronique](#).

### Le Canada comme office récepteur au titre du PCT : PCT-SAFE et ePCT

Conformément à la Règle 89bis du PCT, l'OPIC, à titre d'office récepteur, accepte le dépôt d'une demande internationale préparée à l'aide de la plus récente version du logiciel PCT-SAFE de l'OMPI, et d'une demande préparée à l'aide du service en ligne ePCT de l'OMPI. Dans les deux cas, le dépôt doit se faire à l'aide du service électronique de dépôt de demandes internationales de l'OPIC, appelé [Dépôt en ligne de demandes PCT](#).

**Note:** La correspondance liée aux demandes internationales PCT ne peut être envoyée par voie électronique à l'OPIC. La correspondance peut être envoyée par courrier, par télécopieur ou remis en mains à l'OPIC ou à un [établissement désigné](#).

### Marques de commerce

Pour l'application du paragraphe 10(4) du Règlement sur les marques de commerce, la correspondance adressée au registraire des marques de commerce peut être envoyés par voie électronique, notamment en accédant aux pages suivantes

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accessing the following pages:

- [filing a new or revised trademark application;](#)
- [renewal of a trademark registration;](#)
- [request to enter a name on the list of trademark agents;](#)
- [annual renewal of a trademark agent;](#)
- [requesting copies of trademark documents;](#)
- [registration of a trademark application;](#)

- [nouvelle demande ou demande modifiée d'enregistrement de marque de commerce;](#)
- [renouvellement de l'enregistrement d'une marque de commerce;](#)
- [demande d'inscription d'un nom à la liste des agents de marques de commerce;](#)
- [renouvellement annuel d'un agent de marques de commerce;](#)
- [commande de copies de documents de marques de commerce,](#)
- [l'enregistrement d'une marque de commerce](#)

For the purpose of subsection 10(4) of the Trademarks Regulations, correspondence addressed to the Registrar of Trademarks in the context of opposition and section 45 proceedings may be sent electronically by accessing the [Trademarks Opposition Board's online web application](#):

### *Opposition proceedings before the Trademarks Opposition Board*

- filing a statement of opposition;
- filing of a counter statement;
- submission of the opponent's evidence, or statement;
- submission of the applicant's evidence, or statement;
- submission of the opponent's reply evidence;
- submission of the opponent's written representations, or statement;
- submission of the applicant's written representations, or statement;
- filing a request for a hearing; and
- requesting an extension of time.

### *Section 45 proceedings before the Trademarks Opposition Board*

- filing a request for a section 45 notice;
- submission of the registered owner's evidence;
- submission of the requesting party's written representations, or statement;
- submission of the registered owner's written representations, or statement;
- filing a request for a hearing; and
- requesting an extension of time.

Pour l'application du paragraphe 10(4) du Règlement sur les marques de commerce, la correspondance adressée au registraire des marques de commerce dans le cadre des procédures d'opposition ou de radiation en vertu de l'article 45 peut être envoyée par voie électronique en accédant à l'[application web en ligne de la Commission des oppositions des marques de commerce](#).

### *Procédures d'opposition devant la Commission des oppositions des marques de commerce*

- production d'une déclaration d'opposition;
- Production d'une contre-déclaration d'opposition;
- Production de la preuve de l'opposant, ou d'une déclaration;
- Production de la preuve du requérant, ou d'une déclaration;
- Production de la contre-preuve de l'opposant;
- Production des arguments écrits de l'opposant, ou déclarations;
- Soumission des arguments écrits du requérant, ou déclarations;
- Produire une demande pour une audience; et
- demande de prolongation de délai.

### *Procédures en vertu de l'article 45 devant la Commission des oppositions des marques de commerce*

- Production d'une demande pour un avis en vertu de l'article 45;
- Production de la preuve du propriétaire inscrit;
- Production des arguments écrits de la demanderesse, ou déclaration;
- Production des arguments écrits du propriétaire inscrit, ou déclaration;
- Produire une demande pour une audience; et
- Demande de prolongation de délai.

## Copyright

## Droits d'auteur

## Notices

For the purpose of subsection 2(6) of the Copyright Regulations, the following correspondence addressed to the Copyright Office may be sent electronically, by accessing the following pages:

- [application for registration of a copyright in a work](#);
- [application for registration of a copyright in a performer's performance, sound recording or a communication signal](#);
- [filing a grant of interest](#);
- [request for certificate of correction](#);
- [ordering copies in paper, or electronic form of a document](#); and
- [general correspondence relating to copyright](#).

Pour l'application du paragraphe 2(6) du Règlement sur le droit d'auteur, la correspondance indiquée ci-dessous qui est adressée au Bureau du droit d'auteur peut être transmise par voie électronique, notamment en accédant aux pages suivantes :

- [demande d'enregistrement d'un droit d'auteur sur une œuvre](#),
- [demande d'enregistrement d'un droit d'auteur sur une prestation, un enregistrement sonore ou un signal de communication](#);
- [dépôt d'une concession d'intérêt](#);
- [demande de certificat de correction](#);
- [commande de copies des documents papier ou électroniques](#) et
- [correspondance générale relative aux droits d'auteur](#).

## Industrial Designs

For the purpose of subsection 24.1(1) of the Industrial Design Act, the following correspondence addressed to the Industrial Design Office may be sent electronically, by accessing the following pages:

- [application for registration of an industrial design](#);
- [ordering copies in paper, or electronic form of a document](#);
- [general correspondence relating to industrial designs](#); and
- [payment of industrial design maintenance fees](#).

## Dessins industriels

Pour l'application du paragraphe 24.1(1) de la Loi sur les dessins industriels, la correspondance indiquée ci-dessous qui est adressée au Bureau des dessins industriels peut être transmise par voie électronique, notamment en accédant aux pages suivantes :

- [demande d'enregistrement d'un dessin industriel](#);
- [commande de copies de documents papier ou électroniques](#);
- [correspondance générale relative aux dessins industriels](#); et
- [paiement des droits de maintien des dessins industriels](#).

## Integrated Circuit Topographies

For the purpose of subsection 3(6) of the Integrated Circuit Topography Regulations, the following correspondence addressed to the Registrar of Topographies may be sent electronically, by accessing the following page:

- [general correspondence relating to integrated circuit topographies](#).

## Topographies de circuits intégrés

Pour l'application du paragraphe 3(6) du Règlement sur les topographies de circuits intégrés, la correspondance indiquée ci-dessous qui est adressée au registraire des topographies peut être transmise par voie électronique, notamment en accédant aux pages suivantes :

- [correspondance générale relative aux topographies de circuits intégrés](#).

## 2.3 Electronic medium

**Note :** all electronic media must be free of worms, viruses or other malicious content. Files with malicious content will be deleted.

## 2.3 Supports électroniques

**Note :** Les supports électroniques doivent être exempts de ver informatique, de virus, ou de tout autre contenu malveillant. Les fichiers qui comprennent du contenu malveillant seront supprimés.

## Brevets

## Avis

### Patents

The Patent Office will accept correspondence on various types of electronic medium as specified below. The electronic medium should contain a table of contents and be provided with a cover letter, which will be date stamped by CIPO and placed in the application file. Filing date requirements prescribed in the Patent Rules still remain.

When submitted on an electronic medium, the parts of the application must be logically broken down in files, which are no larger than 25 megabytes.

With regards to sequence listings under Rule 111 of the Patent Rules, the electronic medium must be separate from any electronic medium which may be filed containing parts of the application itself or amendment(s) thereof.

### Canada as Receiving Office Under the PCT: Electronic Filing of Sequence Listings

Pursuant to PCT Rules 89bis and 89ter, and in accordance with Part 7 of the PCT Administrative Instructions, where an international application contains disclosure of one or more nucleotide and/or amino acid sequence listings, CIPO, in its role as a receiving Office, accepts that the sequence listing part of the description and/or any table related to the sequence listing(s) be filed, at the option of the applicant:

- i. only on an electronic medium in electronic form in accordance with section 702 of Part 7 of the PCT Administrative Instructions; or
- ii. both on an electronic medium in electronic form and on paper in accordance with section 702 of Part 7 of the PCT Administrative Instructions;

provided that the other elements of the international application are filed as otherwise provided for under the PCT.

The sequence listing part of an international application filed in electronic form and related tables filed in electronic form shall comply with the relevant provisions of Annex C and C-bis of the PCT Administrative Instructions respectively.

For this purpose the Canadian receiving Office will accept any electronic media specified in Annex F of the PCT Administrative Instructions. Where both the sequence listing and the tables are filed in electronic form, the listing and the tables shall be contained on separate electronic media, which shall contain no other programs or files.

For the purpose of processing the international application, the Canadian receiving Office requires two (2) additional copies of

Le Bureau des brevets acceptera la correspondance transmise à l'aide de divers supports électroniques, tel qu'indiqué ci-dessous. Le support électronique devrait contenir une table des matières et être accompagné d'une lettre explicative, laquelle sera datée par l'OPIC et placée dans le dossier de la demande. Les exigences relatives à la date de dépôt énoncées dans les Règles sur les brevets resteront applicables.

Les parties d'une demande qui sont présentées sur support électronique doivent être logiquement réparties en fichiers de 25 mégaoctets au maximum.

En ce qui concerne les listages des séquences prévus à l'article 111 des Règles sur les brevets, le support électronique doit être distinct de tout support électronique qui peut être déposé et qui contient des parties de la demande elle-même ou des modifications relatives à la demande.

### Le Canada comme office récepteur au titre du PCT : Dépôt électronique des listages de séquences

Conformément aux Règles 89bis et 89ter du PCT et à la Partie 7 des Instructions administratives du PCT, lorsqu'une demande internationale contient la divulgation d'un ou de plusieurs listages des séquences de nucléotides et/ou d'acides aminés, à titre d'office récepteur l'OPIC accepte le dépôt de la partie de la description contenant les listages des séquences et/ou de tout tableau relatif aux listages des séquences et ce, à la discrédition du requérant :

- i. seulement sous forme électronique et sur support électronique, conformément à l'article 702 de la Partie 7 des Instructions administratives du PCT, ou
- ii. sur support papier et sur support électronique sous forme électronique, conformément à l'article 702 de la Partie 7 des Instructions administratives du PCT,

à condition que les autres éléments de la demande internationale soient déposés conformément aux dispositions du PCT.

Dans une demande internationale déposée sous forme électronique, la partie qui contient le listage des séquences et les tableaux connexes seront conformes aux dispositions pertinentes de l'Annexe C et de l'Annexe C-bis des Instructions administratives du PCT, respectivement.

À cette fin, l'office récepteur canadien acceptera tout support électronique prévu à l'Annexe F des Instructions administratives du PCT. Lorsque le listage des séquences et les tableaux sont déposés sous forme électronique, ils le seront sur des supports électroniques distincts ne contenant pas d'autres programmes ni fichiers.

## Notices

the electronic media containing the sequence listing and/or tables in electronic form, accompanied by a statement that the sequence listings and/or tables contained in the copies are identical to those in electronic form as filed.

For further details concerning the filing of sequence listings and/or tables in electronic form, including the labeling of the electronic media and the calculation of the international filing fee, refer to section 7 of the PCT Administrative Instructions.

## Electronic Media accepted by the Patent Office

The Patent Office will accept 3.5 inch diskette, CD-ROM, CD-R, DVD, DVD-R and any format as specified in Annex F of the PCT Administration Instructions.

## Trademarks and Industrial Design

The Office of the Registrar of Trademarks and the Industrial Design Office will accept the following types of electronic media: CD-ROM, CD-R, DVD, DVD-R, and USB stick.

## 3. Details Concerning the Electronic Formats Accepted

### Patents

In accordance with section 8.1 of the Patent Act, and for the purposes of subsections 5(6), 54(5), and 68(3) of the Patent Rules, the acceptable file formats for documents submitted electronically site using the relevant links set out in [section 2.2](#) of these correspondence procedures or on electronic media are TIFF and PDF. In order to get a correspondence date, the office will accept documents initially filed in other formats provided they are viewable with the software "Stelligent Quick View Plus 8.0.0". In these cases, the office will request the documents to be replaced by documents in PDF or TIFF and the submission of a statement to the effect that the replacement documents are the same as the documents initially filed.

Sequence listings can be initially provided in TIFF, PDF or in ASCII file formats. However, as a completion requirement according to section 94 of the Patent Rules, a sequence listing in the ASCII format compliant with the "PCT sequence listing standard" has to be submitted. Therefore, CIPO encourages applicants to submit the sequence listings in the ASCII format in the first place.

When applicable, the Patent Office will accept files in the

Aux fins du traitement de la demande internationale, l'office récepteur canadien exige deux (2) copies supplémentaires du support électronique contenant le listage de séquences et/ou les tableaux sous forme électronique, accompagnées d'une déclaration indiquant que le listage des séquences et/ou les tableaux contenus dans les copies sont identiques à ceux qui ont été déposés sous forme électronique.

On trouvera à l'article 7 des Instructions administratives du PCT des détails supplémentaires sur le dépôt de listages des séquences et/ou de tableaux sous forme électronique, notamment sur l'étiquetage des supports électroniques et le calcul de la taxe de dépôt internationale.

### Supports électroniques acceptés par le Bureau des brevets

Le Bureau de brevets acceptera des disquettes 3,5 pouces, CD-ROM, CD-R, DVD, DVD-R et tout format spécifié à l'Annexe F des Instructions administratives du PCT.

### Marques de commerce et dessins industriels

Le Bureau du registraire des marques de commerce et le Bureau des dessins industriels acceptent les supports électroniques suivants : CD ROM, CD-R, DVD, DVD-R, et clé USB.

## 3. Précisions concernant les formats électroniques acceptés

### Brevets

Conformément à l'article 8.1 de la Loi sur les brevets et aux fins des paragraphes 5(6), 54(5) et 68(3) des Règles sur les brevets, les formats de fichiers acceptables pour les documents présentés par voie électronique en utilisant les liens spécifiés à [l'article 2.2](#) des présentes procédures de correspondance ou sur support électronique sont les formats TIFF et PDF. Pour qu'une date de correspondance soit attribuée, le Bureau acceptera des documents initialement déposés dans d'autres formats à condition qu'ils soient consultables à l'aide du logiciel « Stelligent Quick View Plus 8.0.0 ». Dans de tels cas, le Bureau exigera le remplacement des documents par des fichiers en format PDF ou TIFF, ainsi qu'une déclaration indiquant que ces fichiers sont identiques aux documents initialement déposés.

Les listages des séquences peuvent être initialement déposés sous forme de fichiers TIFF, PDF ou ASCII. Toutefois, afin de compléter la demande, conformément à l'article 94 des Règles sur les brevets, un listage des séquences en format ASCII conforme à la Norme PCT de listage des séquences devra être présenté. L'OPIC encourage donc les demandeurs à déposer les listages de séquences en format ASCII dès le départ.

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TIFF, PDF and ASCII format when they comply with the following specifications:

TIFF Format:

- TIFF CCITT Group 4, single or multi-page, black and white;
- Resolution of either 300 or 400 dpi;
- The dimensions of the scanned/stored images should match that of the paper requirements, namely 8 ½" by 11" or A4.

PDF Format:

- Adobe Portable Document Format Version 1.4 compatible;
- Non-compressed text to facilitate searching;
- Unencrypted text;
- No embedded OLE objects;
- All fonts must be embedded and licensed for distribution.

ASCII

- Shall be encoded using IBM Code Page 437, IBM Code Page 932 or a compatible code page.

Le cas échéant, le Bureau des brevets acceptera des fichiers en format TIFF, PDF et ASCII s'ils sont conformes aux spécifications suivantes :

Format TIFF

- TIFF CCITT Groupe 4, une ou plusieurs pages, noir et blanc
- Résolution : 300 ou 400 ppp
- Les dimensions des images balayées par scanner ou mémorisées doivent être compatibles avec celles qui sont requises pour les papiers, soit 8 1/2 po par 11 po ou A4.

Format PDF

- Compatible avec Adobe Portable Document Format Version 1.4
- Texte non comprimé, pour faciliter la recherche
- Texte non chiffré
- Pas d'objets OLE incorporés
- Toutes les polices de caractère doivent être incorporées et leur distribution doit être autorisée.

ASCII

- Le texte sera encodé à l'aide des pages de codes IBM 437 ou IBM 932 ou d'une page de codes compatible.

## Trademarks

For the purposes of subsection 64(1) of the Trademarks Act, the acceptable file formats for documents submitted electronically using the relevant links set out in [section 2.2](#) of these correspondence procedures are: PNG, TIFF, JPEG, GIF, MP3, MP4, PDF, BMP and Doc.

## Industrial Design

For the purposes of subsection 24.1(1) of the Industrial Design Act, the acceptable file formats for documents, other than a representation of a design, submitted electronically are WPD, DOC, DOCX and PDF. The acceptable file formats for the representation of a design are PDF, JPEG, TIFF and GIF. The file size limit is of 60MB for PDF, 10MB for the other file formats. The scanned/stored images should be of a resolution of at least 300 dpi and the dimensions must be of 21.59 cm by 27.94 cm (8.5 in by 11 in).

Note that the conversion of files to an acceptable format may result in a change to the quality of the drawings.

## Marques de commerce

Pour l'application du paragraphe 64(1) de la Loi sur les marques de commerce, les formats de fichiers acceptables pour les documents fournis par un moyen électronique énoncé à la [section 2.2](#) des présentes procédures de correspondance sont : PNG, TIFF, JPEG, GIF, MP3, MP4, PDF, BMP et Doc.

## Dessins industriels

Pour l'application du paragraphe 24.1(1) de la Loi sur les dessins industriels, les formats de fichiers acceptables pour les documents autres que la représentation d'un dessin, transmis par voie électronique sont : WPD, DOC, DOCX, PDF. Les formats de fichiers acceptables pour la représentation d'un dessin sont PDF, JPEG, TIFF, et GIF. La taille maximale est de 60MB pour le format PDF et de 10MB pour tout autre format. L'image numérisée/stockée devrait être dans une résolution d'au moins 300 dpi et les dimensions doivent être de 21,59 cm par 27,94 cm (8,5 po par 11po)

Veuillez noter que la conversion de fichiers vers un format acceptable pourrait résulter en un changement à la qualité des dessins.

## Notices

### 4. General Information

General information may be obtained by communicating with CIPO's [Client Service Centre](#).

### 5. Time Period Extensions

- [Time period extensions under the Patent, Trademarks and Industrial Design Acts](#)
- [Time period extensions under the Copyright and Integrated Circuit Topography Acts](#)
- [Time period extensions under the Patent Cooperation Treaty](#)
- [Time period extensions under the Madrid Protocol and the Hague Agreement](#)

#### Time period extensions under the Patent, Trademarks and Industrial Design Acts

For the purposes of subsection 78(1) of the Patent Act, subsection 66(1) of the Trademarks Act, and subsection 21(1) of the Industrial Design Act, any time period fixed under those Acts and ending on 1) a **prescribed day** set out in the list below or 2) a **designated day** on account of unforeseen circumstances, will be extended to the next day that is not a prescribed day or a designated day and where CIPO is open to the public.

**Designated days** are those days that are designated by the Commissioner, the Registrar, or the Minister, on account of unforeseen circumstances and if they are satisfied that it is in the public interest to do so. If a day is designated, the public will be informed of that fact on CIPO's website.

**Prescribed days** under the Patent Act, Trademarks Act and Industrial Design Act are as follows:

- Every Saturday and Sunday;
- New Year's Day (January 1)\*;
- Good Friday;
- Easter Monday;
- Victoria Day: First Monday immediately preceding May 25;
- St. Jean Baptiste Day (June 24)\*;
- Canada Day (July 1)\*;
- The first Monday in August;\*\*\*
- Labour Day: First Monday in September;
- Thanksgiving Day: Second Monday in October;

### 4. Renseignements généraux

Des renseignements généraux peuvent être obtenus en communiquant avec [le Centre de services à la clientèle de l'OPIC](#).

### 5. Prorogation des délais

- [Prorogation des délais en vertu des les Lois sur les brevets, les marques de commerce, et les dessins industriels](#)
- [Prorogation des délais en vertu des les Lois sur le droit d'auteur et les topographies de circuits intégrés](#)
- [Prorogation des délais en vertu du le Traité de coopération en matière de brevets](#)
- [Prorogation des délais en vertu du Protocole de Madrid et de l'Arrangement de La Haye](#)

#### Prorogation des délais prévus par les Lois sur les brevets, les marques de commerce, et les dessins industriels

Pour l'application du paragraphe 78(1) de la Loi sur les brevets, du paragraphe 66(1) de la Loi sur les marques de commerce, et du paragraphe 21(1) de la Loi sur les dessins industriels, tout délai fixé sous le régime de ces lois et qui expire 1) un **jour prescrit ou règlementaire** tel qu'indiqué dans la liste ci-dessous, ou 2) un **jour désigné** en raison de circonstances imprévues, sera prorogé jusqu'au jour suivant qui n'est ni un jour prescrit ni un jour désigné et où l'OPIC est ouvert au public.

Les **jours désignés** sont les jours désignés par le commissaire, le registraire, ou le ministre, où, en raison de circonstances imprévues, s'il est dans l'intérêt public de le faire. Si un jour est désigné, le public en sera informé sur le site web de l'OPIC.

Les **jours prescrits ou règlementaires** en vertu de la Loi sur les brevets, de la Loi sur les marques de commerce et de la Loi sur les dessins industriels sont les suivants :

- Tous les samedis et dimanches;
- Nouvel An (1<sup>er</sup> janvier)\*;
- Vendredi Saint;
- Lundi de Pâques;
- Fête de la Reine ou Journée nationale des patriotes : Premier lundi immédiatement avant le 25 mai;
- Saint-Jean-Baptiste (24 juin)\*;
- Fête du Canada (1<sup>er</sup> juillet)\*;
- Le premier lundi du mois d'août\*\*\*;
- Fête du travail : Premier lundi du mois de septembre;

## Avis

- Remembrance Day (November 11)\*;
- Christmas Day (December 25)\*\*;
- Boxing Day (December 26)\*\* ;
- Any day on which CIPO is closed to the public for all or part of that day during ordinary business hours.

\*In the case of New Year's Day, St. Jean Baptiste Day, Canada Day and Remembrance Day, if the day falls on a Saturday or Sunday, deadlines will be extended to the following Tuesday.

\*\*If December 25 falls on a Friday, deadlines will be extended to the following Tuesday. If December 25 falls on a Saturday or Sunday, any time periods ending on December 25 or December 26 will be extended to the following Wednesday.

\*\*\*Please note that the Office is open to the public on the first Monday in August. Any time period which expires on that day will be extended to the next day the Office is open to the public (first Tuesday in August). However, any correspondence or fees submitted to the Office on that day will be deemed or considered received on that day.

Extensions for prescribed days occur regardless of place of residence or of the establishment to which documents are delivered.

Please be aware that not all provincial and territorial holidays are days where deadlines are extended. It is recommended that clients be mindful and ensure that all deadlines are respected.

- Action de Grâce : Deuxième lundi du mois d'octobre;
- Jour du Souvenir (11 novembre)\*;
- Jour de Noël (25 décembre)\*\*;
- Lendemain de Noël\*\* ;
- Tout jour où l'OPIC est fermé au public pendant tout ou une partie des heures normales d'ouverture de l'OPIC au public.

\*Si le Nouvel An, la Saint-Jean-Baptiste, la Fête du Canada, ou le Jour du Souvenir est un samedi ou un dimanche, les délais seront prorogés au mardi suivant.

\*\*Si le 25 décembre est un vendredi, les délais seront prorogés au mardi suivant. Si le 25 décembre est un samedi ou un dimanche, les délais seront prorogés au mercredi suivant.

\*\*\*Veuillez noter que les Bureaux sont ouverts au public le premier lundi du mois d'août. Tout délai qui expire ce jour-là sera prorogé au prochain jour ouvrable (premier mardi du mois d'août). Cependant, toute correspondance, droits ou taxes fournis au Bureau ce jour-là seront réputés ou considérés avoir été reçus à cette date.

La prorogation de délai concernant les jours prescrits ou réglementaires s'appliquent nonobstant du lieu de résidence ou du lieu de l'établissement auquel les documents ont été remis.

Veuillez noter que ce ne sont pas tous les jours fériés provinciaux ou territoriaux qui sont des jours prescrits ou réglementaires pour lesquels un délai peut être prorogé. Il est recommandé que les clients soient attentifs et s'assurent que tout délai soit respecté.

## Time period extensions under the Copyright and Integrated Circuit Topography Acts

In accordance with section 26 of the Interpretation Act, any person choosing to deliver a document to CIPO or a designated establishment (including the Registered Mail™ and Xpresspost™ services of Canada Post) where a federal, provincial or territorial holiday exists, is entitled to an extension of any time limit for the filing of the document that expires on the holiday, until the next day that is not a holiday. It is to be noted, in respect of provincial and territorial holidays, that the entitlement to the extension is dependent on the establishment to which the document is delivered and not on the place of residence of the person for whom the document is filed or of their agent. For this purpose, documents transmitted to CIPO by electronic means, including by facsimile, would be considered to be delivered to CIPO's offices in Gatineau, Quebec.

CIPO has no practical way of keeping track of the establishment to which documents are delivered. Accordingly,

## Prorogation des délais prévus par les Lois sur le droit d'auteur et sur les topographies de circuits

Selon l'article 26 de la Loi d'interprétation, lorsqu'une personne choisit de livrer un document à l'OPIC ou à un établissement désigné (y compris un bureau régional d'Innovation, Sciences et Développement économique Canada ou le service Courrier recommandé<sup>MC</sup>, ou par Xpresspost<sup>MC</sup> de Postes Canada) dans une province où il y a un jour férié fédéral, provincial ou territorial, tout délai fixé pour le dépôt du document, qui expire un jour férié peut être prorogé jusqu'au jour non férié suivant. Dans le cas d'un jour férié provincial ou territorial, il convient de souligner que le droit à la prorogation dépend de l'établissement auquel le document est livré et non du lieu de résidence de la personne pour laquelle le document est déposé ou de son agent. À cet égard, les documents envoyés à l'OPIC par un moyen électronique, y compris par télécopieur, sont réputés être livrés aux bureaux de l'OPIC à Gatineau, au Québec.

En pratique, l'OPIC n'a aucun moyen de faire le suivi relativement aux établissements auxquels des documents sont

## Notices

where a person has a time limit for the filing of a document that expires on a provincial or territorial holiday but only delivers the document on the next day that is not a holiday, CIPO will assume that the document was delivered to an establishment that would justify an extension of the time limit. In such circumstances, it will be the responsibility of the person filing the document to ensure that he or she is properly entitled to any needed extension of the time limit.

### Time period extensions under the Patent Cooperation Treaty

Rule 80.5 of the Regulations under the PCT provides:

If the expiration of any period during which any document or fee must reach a national Office or intergovernmental organization falls on a day:

- i. on which such Office or organization is not open to the public for the purposes of the transaction of official business;
- ii. on which ordinary mail is not delivered in the locality in which such Office or organization is situated;
- iii. which, where such Office or organization is situated in more than one locality, is an official holiday in at least one of the localities in which such Office or organization is situated, and in circumstances where the national law applicable by that Office or organization provides, in respect of national applications, that, in such a case, such period shall expire on a subsequent day; or
- iv. which, where such Office is the government authority of a Contracting State entrusted with the granting of patents, is an official holiday in part of that Contracting State, and in circumstances where the national law applicable by that Office provides, in respect of national applications, that, in such a case, such period shall expire on a subsequent day;

the period shall expire on the next subsequent day on which none of the said four circumstances exists.

### Time period extensions under the Madrid Protocol and the Hague Agreement

If a period within which a communication must be received by the International Bureau of the World Intellectual Property Office would expire on a day on which the International

livrés. Par conséquent, si le délai pour le dépôt d'un document tombe un jour férié provincial ou territorial et qu'une personne le livre seulement le jour non férié suivant, l'OPIC tiendra pour acquis que le document a été livré à un établissement qui justifierait une prorogation du délai. Dans de telles circonstances, il incombe au déposant de s'assurer qu'il a droit à une telle prorogation.

### Prolongations de délais prévus au Traité de coopération en matière de brevets

La règle 80.5 du Règlement d'exécution du PCT prévoit ce qui suit :

Si un délai quelconque pendant lequel un document ou une taxe doit parvenir à un office national ou à une organisation intergouvernementale expire un jour :

- i. où cet office ou cette organisation n'est pas ouvert au public pour traiter d'affaires officielles;
- ii. où le courrier ordinaire n'est pas délivré dans la localité où cet office ou cette organisation est situé;
- iii. qui, lorsque cet office ou cette organisation est situé dans plus d'une localité, est un jour férié dans au moins une des localités dans lesquelles cet office ou cette organisation est situé, et dans le cas où la législation nationale applicable par cet office ou cette organisation prévoit, à l'égard des demandes nationales, que, dans cette situation, ce délai prend fin le jour suivant; ou
- iv. qui, lorsque cet office est l'administration gouvernementale d'un État contractant chargée de délivrer des brevets, est un jour férié dans une partie de cet État contractant, et dans le cas où la législation nationale applicable par cet office prévoit, à l'égard des demandes nationales, que, dans cette situation, ce délai prend fin le jour suivant;

Le délai prend fin le premier jour suivant auquel aucune de ces quatre circonstances n'existe plus.

### Prorogation des délais en vertu du Protocole de Madrid et de l'Arrangement de La Haye

Si un délai à l'intérieur duquel une communication doit être reçue par le Bureau international de l'Organisation mondiale de propriété intellectuelle expire un jour où le Bureau international n'est pas ouvert au public, le délai expirera lors du

## Avis

Bureau is not open to the public, it will expire on the next subsequent day on which the International Bureau is open. Likewise, if the period within which a communication (such as a notification of refusal of protection) must be sent by CIPO to the International Bureau would expire on a day on which CIPO is not open to the public, it will expire on the next subsequent day on which CIPO is open.

A list of the days on which the International Bureau is closed to the public during the current and the following calendar year is available on the [WIPO website](#).

## 6. Procedures in Case of an Unexpected Office Closure at CIPO

In case of unforeseen circumstances, CIPO will attempt to remain open to the public and ensure that essential service to our clients continues with the least possible disruption or delay.

In accordance with paragraph 27.01(n) of the Patent Rules, paragraph 15(n) of the Trademarks Regulations and paragraph 36(n) of the Industrial Design Regulations, whenever CIPO is closed to the public, for all or part of a day during ordinary business hours, including closures due to extraordinary circumstances, time periods will be extended to the next day that is not a prescribed or a designated day and where CIPO is open to the public.

For Copyright and Integrated Circuit Topography, if CIPO is closed to the public due to extraordinary circumstances, CIPO considers all time limits to be extended until the next day that it is open to the public. In such situations, mail delivered to CIPO or to designated establishments will be considered to be received on the date that CIPO re-opens to the public, with the exception of correspondence addressed to the Registrar of Topographies.

In view of the date-sensitive nature of intellectual property (IP), clients are advised to address important deadlines ahead of time to minimize the risk of affecting their IP rights. For the purposes of such deadlines, unless otherwise notified, clients should assume that all due dates remain in effect.

When possible during an emergency, information and search systems will continue to be available on our website; however, services provided through the Client Service Centre and other support areas within CIPO may be temporarily unavailable. Should an emergency occur, CIPO will post information with respect to [service interruptions](#) on our website as it becomes available and as circumstances permit.

Clients are **strongly encouraged** to send date-sensitive material through Canada Post by Registered Mail™ or Xpresspost™ or to use electronic means using the relevant links set out in [section 2.2](#) of these correspondence procedures. Documents may continue to be faxed to CIPO at 819-953-CIPO (953-2476). Date-sensitive material requiring fee

premier jour suivant où le Bureau international est ouvert au public. Similairement, si un délai à l'intérieur duquel une communication (tel qu'une notification de refus de la protection) doit être envoyée par l'OPIC au Bureau international expire un jour où les bureaux de l'OPIC sont fermés au public, ce délai expirera lors du premier jour suivant la réouverture de l'OPIC.

Une liste des jours pendant lesquels le Bureau international est fermé au public pendant l'année civile en cours et à venir est disponible [sur le site web de l'OMPI](#).

## 6. Procédures en cas de fermeture des bureaux

Lors de circonstances imprévues, l'OPIC s'efforcera de demeurer ouvert au public et d'assurer un service essentiel à ses clients, et ce, avec le moins d'interruption ou de retard possible.

Conformément à l'alinéa 27.01n) des Règles sur les Brevets, l'alinéa 15n) du Règlement sur les marques de commerce et de l'alinéa 36n) du Règlement sur les dessins industriels, lorsque les bureaux de l'OPIC sont fermés au public pendant toute ou une partie des heures normales d'ouverture, y compris une fermeture en raison de circonstances extraordinaires, les délais seront prorogés au jour suivant qui ne sera pas un jour prescrit ou un jour désigné et où l'OPIC est ouvert au public .

Pour les droits d'auteur et les topographies de circuits intégrés, si les bureaux de l'OPIC sont fermés au public en raison de circonstances extraordinaires, l'OPIC considère que tous les délais sont prorogés au prochain jour d'ouverture au public. Dans de telles circonstances, le courrier livré à l'OPIC ou à des établissements désignés sera considéré avoir été reçu à la date du jour de la réouverture de l'OPIC au public, à l'exception de la correspondance adressée au registraire des topographies.

Étant donné **l'importance que revêtent les délais** en matière de propriété intellectuelle (PI), il est recommandé aux clients de minimiser les risques pouvant nuire à leurs droits en matière de PI en tenant compte à l'avance des dates limites importantes. En ce qui a trait aux délais prescrits, les clients doivent respecter toutes les dates d'échéance, à moins d'avis contraire.

En situation d'urgence, les systèmes d'information et de recherche resteront, dans la mesure du possible, accessibles à partir de notre site Web. Toutefois, les services fournis par le Centre de services à la clientèle et les autres services de soutien de l'OPIC pourraient temporairement ne pas être offerts. En situation d'urgence, l'OPIC va publier les renseignements nécessaires sur notre [page d'interruptions des services](#), lorsque ceux-ci seront disponibles et les circonstances le permettront.

Les clients sont **fortement encouragés** de faire parvenir les documents assujettis à des délais précis par Postes Canada par Courrier recommandé<sup>MC</sup>, par Xpresspost<sup>MC</sup> ou par voie électronique en utilisant les liens spécifiés à [l'article 2.2](#) des présentes procédures de correspondance. Il est toujours

## Notices

payment that is sent by fax must be accompanied by a VISA™, MasterCard™, or American Express™ credit card number, or CIPO deposit account number.

Please note that there may also be instances in which the designated offices may be temporarily closed, yet CIPO remains open to the public. In such situations, it remains **the responsibility of CIPO's clients** to ensure that all deadlines are respected.

possible de transmettre par télécopieur des documents à l'OPIC en composant le 819-953-OPIC (953-6742). Cependant, les documents assujettis à des délais pour lesquels des droits ou taxes sont exigés, qui sont envoyés par télécopieur, doivent être accompagnés d'un numéro de carte VISA<sup>MC</sup>, Mastercard<sup>MC</sup> ou American Express<sup>MC</sup> ou d'un numéro de compte de dépôt à l'OPIC.

Veuillez noter qu'il pourrait y avoir des cas où les bureaux régionaux seraient fermés temporairement, mais où l'OPIC resterait ouvert au public. Le cas échéant, **les clients de l'OPIC demeurent responsables** du respect de tous les échéanciers.

## 7. Procedures when CIPO is Open to the Public but Clients are Unable to Communicate with the Office

### Patents, Industrial Design, Copyright and Integrated Circuit Topography

The legislative framework in relation with the abovementioned types of intellectual property does not provide CIPO with the flexibility to extend deadlines when it is open to the public but clients are unable to communicate with the Office.

In these situations it remains the responsibility of clients to ensure that all deadlines are respected.

### Trademarks

The Trademarks Act and Regulations allow clients to request a retroactive extension of time when a due date has been missed due to a force majeure type situation. In order for a retroactive extension of time to be granted, the Registrar of Trademarks must be satisfied that the failure to do the act or apply for an extension of time before the original due date was not reasonably avoidable. A prescribed fee is required in certain cases.

## 7. Procédures à suivre lorsque l'Office est ouvert au public, mais les clients sont incapables de communiquer avec l'Office

### Brevets, dessins industriels, droit d'auteur et topographies de circuits intégrés

Le cadre législatif en rapport aux types de propriété intellectuelle mentionnés ci-haut ne donne pas à l'OPIC la flexibilité de proroger les délais lorsque l'Office est ouvert au public, mais les clients sont dans l'impossibilité de communiquer avec le l'Office.

Dans une telle situation, les clients demeurent tenus de veiller à ce que les échéances soient respectées.

### Marques de commerce

La Loi sur les marques de commerce et le Règlement sur les marques de commerce permettent aux clients de demander une prolongation rétroactive lorsqu'un délai n'a pas été respecté en raison d'un cas de force majeure. Pour qu'une prolongation de délai rétroactive soit accordée, le registraire des marques de commerce doit être convaincu que l'omission d'accomplir l'acte ou de demander la prorogation avant la date initiale d'échéance n'était pas raisonnablement évitable. Un droit prescrit est exigé dans certains cas.

## 8. Intellectual property acts, rules and regulations

- [Copyright Act](#)
- [Copyright Regulations](#)
- [Industrial Design Act](#)
- [Industrial Design Regulations](#)
- [Integrated Circuit Topography Act](#)
- [Integrated Circuit Topography Regulations](#)
- [Interpretation Act](#)
- [Patent Act](#)

## 8. Lois, règles et règlements sur la propriété intellectuelle

- [Loi sur le droit d'auteur](#)
- [Règlement sur le droit d'auteur](#)
- [Loi sur les dessins industriels](#)
- [Règlement sur les dessins industriels](#)
- [Loi sur les topographies de circuits intégrés](#)
- [Règlement sur les topographies de circuits intégrés](#)
- [Loi d'interprétation](#)
- [Loi sur les brevets](#)
- [Règles sur les brevets](#)

## Avis

- [Patent Rules](#)
- [Regulations under the PCT](#)
- [Trademarks Act](#)
- [Trademarks Regulations](#)

- [Règlement d'exécution du PCT](#)
- [Loi sur les marques de commerce](#)
- [Règlement sur les marques de commerce](#)

## 15. Canadian Applications Open to Public Inspection

The *Canadian Patent Office Record* of December 10, 2019 contains applications open to public inspection from November 24, 2019 to November 30, 2019.

## 15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 10 décembre 2019 contient les demandes disponibles au public pour consultation pour la période du 24 novembre 2019 au 30 novembre 2019.

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<p style="text-align: right;">[11] <b>2,797,055</b> [13] C</p> <p>[51] Int.Cl. A61F 13/08 (2006.01) A61L 15/22 (2006.01)</p> <p>[25] FR</p> <p>[54] ADAPTED COMPRESSION/RETENTION ORTHOTIC TO REINFORCE THE MUSCULO-APONEVROTIC PUMP OF THE CALF</p> <p>[54] ORTHESE ADAPTEE DE COMPRESSION/CONTENTION, POUR LE RENFORCEMENT DE LA POMPE MUSCULO-APONEVROTIQUE DU MOLLET</p> <p>[72] CROS, FRANCOIS, FR</p> <p>[72] THINEY, GREGORY, FR</p> <p>[73] INNOTHERA TOPIC INTERNATIONAL, [86] (2797055) [87] (2797055) [22] 2012-11-20 [30] FR (11/60643) 2011-11-22</p>	<p style="text-align: right;">[11] <b>2,805,619</b> [13] C</p> <p>[51] Int.Cl. G01S 19/22 (2010.01) G07B 15/06 (2011.01)</p> <p>[25] FR</p> <p>[54] DIRECTION ESTIMATION PROCESS FOR THE ARRIVAL OF NAVIGATION SIGNALS ON A RECEPTOR AFTER REFLECTION ON THE WALLS IN A SATELLITE POSITIONING SYSTEM</p> <p>[54] PROCEDE D'ESTIMATION DE LA DIRECTION D'ARRIVEE DE SIGNAUX DE NAVIGATION SUR UN RECEPTEUR APRES REFLEXION PAR DES PAROIS DANS UN SYSTEME DE POSITIONNEMENT PAR SATELLITE</p> <p>[72] MONNERAT, MICHEL, FR</p> <p>[72] RIES, LIONEL, FR</p> <p>[73] THALES,</p> <p>[73] CENTRE NATIONAL D'ETUDES SPATIALES (CNES), [86] (2805619) [87] (2805619) [22] 2013-02-08 [30] FR (1200396) 2012-02-10</p>	<p style="text-align: right;">[11] <b>2,813,924</b> [13] A1</p> <p>[51] Int.Cl. G06F 17/50 (2006.01)</p> <p>[25] FR</p> <p>[54] RAPID PROTOTYPING METHOD AND DEVICE</p> <p>[54] PROCEDE ET DISPOSITIF DE PROTOTYPAGE RAPIDE</p> <p>[72] ALLANIC, ANDRE-LUC, FR</p> <p>[73] ALLANIC, ANDRE-LUC, [73] PRODWAYS, [85] 2013-04-05 [86] 2011-10-14 (PCT/FR2011/052407) [87] (WO2012/049434) [30] FR (1058412) 2010-10-15</p>
		<p style="text-align: right;">[11] <b>2,816,508</b> [13] C</p> <p>[51] Int.Cl. F02C 7/22 (2006.01) B01D 35/143 (2006.01) F02C 9/26 (2006.01)</p> <p>[25] FR</p> <p>[54] MONITORING OF A FILTER OF THE FUEL-SUPPLY SYSTEM OF AN AIRCRAFT ENGINE</p> <p>[54] SURVEILLANCE D'UN FILTRE DU CIRCUIT D'ALIMENTATION EN CARBURANT D'UN MOTEUR D'AERONEF</p> <p>[72] FLORENTIN, KIM, FR</p> <p>[72] SOYAH, KARIM, FR</p> <p>[73] SNECMA, [85] 2013-04-30 [86] 2011-11-21 (PCT/FR2011/052710) [87] (WO2012/069745) [30] FR (1059797) 2010-11-26</p>

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<p style="text-align: right;">[11] <b>2,822,849</b> [13] C</p> <p>[51] Int.Cl. B60S 1/38 (2006.01)</p> <p>[25] EN</p> <p>[54] WIPER BLADE FOR THE CLEANING OF WINDOWS OF MOTOR VEHICLES</p> <p>[54] BALAI D'ESSUIE-GLACE PERMETTANT LE NETTOYAGE DE VITRES DE VEHICULES A MOTEUR</p> <p>[72] EGNER-WALTER, BRUNO, DE [72] SCHAUBLE, MICHAEL, DE [73] VALEO SYSTEMES D'ESSUYAGE, [85] 2013-06-25 [86] 2011-12-20 (PCT/EP2011/073318) [87] (WO2012/089552) [30] DE (10 2010 056 462.1) 2010-12-30</p>	<p style="text-align: right;">[11] <b>2,838,637</b> [13] C</p> <p>[51] Int.Cl. A61B 18/14 (2006.01) A61B 34/30 (2016.01) A61B 17/295 (2006.01)</p> <p>[25] EN</p> <p>[54] METHODS, SYSTEMS, AND DEVICES RELATING TO SURGICAL END EFFECTORS</p> <p>[54] PROCEDES, SYSTEMES ET DISPOSITIFS RELATIFS A DES EFFECTEURS TERMINAUX CHIRURGICAUX</p> <p>[72] FARRITOR, SHANE, US [72] FREDERICK, TOM, US [72] BARTELS, JOE, US [73] BOARD OF REGENTS OF THE UNIVERSITY OF NEBRASKA, [85] 2013-12-05 [86] 2012-06-11 (PCT/US2012/041911) [87] (WO2013/048595) [30] US (61/495,487) 2011-06-10 [30] US (61/498,919) 2011-06-20</p>	<p style="text-align: right;">[11] <b>2,846,598</b> [13] C</p> <p>[51] Int.Cl. A61K 38/05 (2006.01) 19/02 (2006.01)</p> <p>[25] EN</p> <p>[54] TREATMENT OF DEGENERATIVE JOINT DISEASE</p> <p>[54] TRAITEMENT DE MALADIE DEGENERATIVE ARTICULAIRE</p> <p>[72] BAR-OR, DAVID, US [72] WINKLER, JAMES V., US [73] AMPIO PHARMACEUTICALS, INC., [85] 2014-02-24 [86] 2012-10-10 (PCT/US2012/059455) [87] (WO2013/055734) [30] US (61/545,474) 2011-10-10 [30] US (61/561,221) 2011-11-17</p>
<p style="text-align: right;">[11] <b>2,850,583</b> [13] C</p> <p>[51] Int.Cl. B66B 5/18 (2006.01)</p> <p>[25] EN</p> <p>[54] SAFETY BRAKE WITH RESETTING MEANS</p> <p>[54] FREIN DE SECURITE A RAPPEL</p> <p>[72] OSMANBASIC, FARUK, CH [72] GREMAUD, NICOLAS, CH [72] GEISSHUSLER, MICHAEL, CH [73] INVENTIO AG, [85] 2014-03-31 [86] 2012-11-07 (PCT/EP2012/071991) [87] (WO2013/079288) [30] EP (11191102.0) 2011-11-29</p>		

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  - [54] MULTIPLE USE STRETCHING AND NON-PENETRATING BLOOD CONTROL VALVES
  - [54] VALVES DE CONTROLE SANGUIN TELESCOPIQUES ET NON-PENETRANTES A USAGE MULTIPLE
  - [72] ISAACSON, S. RAY, US
  - [72] CHRISTENSEN, KELLY D., US
  - [72] TRAINER, LAWRENCE J., US
  - [72] HARDING, WESTON F., US
  - [73] BECTON, DICKINSON AND COMPANY,
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  - [25] EN
  - [54] DRILL HAVING A COATING
  - [54] FORET PRESENTANT UN REVETEMENT
  - [72] KRASSNITZER, SIEGFRIED, AT
  - [73] OERLIKON SURFACE SOLUTIONS AG, PFAFFIKON,
  - [85] 2014-04-22
  - [86] 2012-10-18 (PCT/EP2012/004352)
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  - [30] DE (10 2011 116 576.6) 2011-10-21
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- [54] METHODS FOR TREATMENT OF DISEASES AND DISORDERS RELATED TO TRANSDUCIN .BETA.-LIKE PROTEIN 1 (TBL1) ACTIVITY, INCLUDING MYELOPROLIFERATIVE NEOPLASIA AND CHRONIC MYEOLOID LEUKEMIA.
- [54] PROCEDES DE TRAITEMENT DE MALADIES ET DE TROUBLES APPARENTES A L'ACTIVITE DE LA PROTEINE 1 DE TYPE TRANSDUCINE .BETA. (TBL1), COMPRENANT LA NEOPLASIE MYELOPROLIFERATIVE ET LA LEUCEMIE MYELOIDIQUE CHRONIQUE.

- [72] BHALLA, KAPIL N., US
  - [72] HORRIGAN, STEPHEN, US
  - [73] BETA CAT PHARMACEUTICALS, LLC,
  - [85] 2014-04-24
  - [86] 2012-11-06 (PCT/US2012/063746)
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- [54] SINGLE-DOSE PHARMACEUTICAL PREPARATION OF THYROID HORMONES T3 AND/OR T4
- [54] PREPARATION PHARMACEUTIQUE MONODOSE D'HORMONES THYROIDIENNES T3 ET/OU T4
- [72] BELLORINI, LORENZO, CH
- [72] BERNAREGGI, ALBERTO, CH
- [72] PIZZUTTI, MARCO, CH
- [73] ALTERGON S.A.,
- [85] 2014-04-29
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- [87] (WO2013/072304)
- [30] IT (MI2011A002066) 2011-11-14

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  - [25] EN
  - [54] CHEMICAL FREE AND ENERGY EFFICIENT DESALINATION SYSTEM
  - [54] SYSTEME DE DESALINISATION ENERGETIQUEMENT EFFICACE ET SANS SUBSTANCES CHIMIQUES
  - [72] LEVY, AMNON, IL
  - [72] LIBERMAN, BORIS, IL
  - [72] GREENBERG, GAL, IL
  - [73] I.D.E. TECHNOLOGIES LTD.,
  - [85] 2014-04-30
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- [54] VANNE TOURNANTE SANS FUITE EQUIPEE D'UNE ROUE A VIS SANS FIN INTERNE
- [72] BURGESS, KEVIN, US
- [72] YAKOS, DAVID, US
- [72] WALTHALL, BRYAN, US
- [73] BIG HORN VALVE, INC.,
- [85] 2014-05-28
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- [87] (WO2013/082178)
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[54] PROCEDE DE PULVERISATION CATHODIQUE REACTIVE  
[72] KRASSNITZER, SIEGFRIED, AT  
[73] OERLIKON SURFACE SOLUTIONS AG, PFAFFIKON,  
[85] 2014-06-05  
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[54] DATABASE SYSTEM USING BATCH-ORIENTED COMPUTATION  
[54] SYSTEME DE BASE DE DONNEES UTILISANT UN CALCUL ORIENTE LOT  
[72] DANIELLO, RUDY, FR  
[72] JANIN, BENOIT, FR  
[72] ISNARDY, LUC, FR  
[72] REYNAUD, CLAUDINE, US  
[72] AUBRY, JEAN-PHILIPPE, FR  
[72] CIABRINI, DAMIEN, FR  
[72] LEGRAND, GUILLAUME, FR  
[72] GOLE, REMY, FR  
[72] MAILLOT, NICOLAS, FR  
[72] ROBELIN, CHARLES-ANTOINE, FR  
[72] VIGUIE, LUC, FR  
[72] GIBERGUES, SEBASTIEN, FR  
[72] PATOUREAUX, MARC, FR  
[72] ISNARDON, BENEDICTE, FR  
[73] AMADEUS S.A.S.,  
[85] 2014-08-07  
[86] 2012-11-06 (PCT/IB2012/002668)  
[87] (WO2013/160721)  
[30] EP (12368012.6) 2012-04-26  
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[54] METHODS AND DEVICES FOR DEPLOYING AND RELEASING A TEMPORARY IMPLANT WITHIN THE BODY  
[54] PROCEDES ET DISPOSITIFS POUR LE DEPLOIEMENT D'UN IMPLANT TEMPORAIRE DANS LE CORPS ET POUR SON ELIMINATION  
[72] GAUR, SHANTANU K., US  
[72] LEVY, SAMUEL G., US  
[72] WECKER, JONATHAN, US  
[72] HORWITZ, BRUCE A., US  
[72] GWAK, JINYOUNG DANIEL, US  
[73] ALLURION TECHNOLOGIES, INC.,  
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[86] 2013-02-21 (PCT/US2013/027170)  
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[30] US (61/601,384) 2012-02-21  
[30] US (61/645,601) 2012-05-10  
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[30] US (61/663,683) 2012-06-25  
[30] US (61/674,126) 2012-07-20  
[30] US (61/699,942) 2012-09-12  
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[25] EN  
[54] N-(5S, 6S, 9R)-5-AMINO-6-(2,3-DIFLUOROPHENYL)-6, 7, 8, 9-TETRAHYDRO-5H-CYCLOHEPTA [B] PYRIDIN-9-YL-4-(2-OXO-2,3-DIHYDRO-1H-IMIDAZO [4, 5-B] PYRIDIN-1-YL) PIPERIDINE-1-CARBOXYLATE, HEMISULFATE SALT  
[54] N- (5S, 6S, 9R) -5 -AMINO- 6 - (2, 3 - DIFLUOROPHENYL) -6, 7, 8, 9 - TETRAHYDRO - 5H - CYCLOHEPTA [B] PYRIDINE-9 - YL- 4- (2 - OXO-2, 3 -DIHYDRO - 1H- IMIDAZO [4, 5 -B] PYRIDINE - 1- YL) PIPERIDINE - 1 - CARBOXYLATE, SEL D'HEMISULFATE  
[72] ROBERTS, DANIEL RICHARD, US  
[72] SCHARTMAN, RICHARD RAYMOND, US  
[72] WEI, CHENKOU, US  
[73] BRISTOL-MYERS SQUIBB COMPANY,  
[85] 2014-08-26  
[86] 2013-02-25 (PCT/US2013/027648)  
[87] (WO2013/130402)  
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[25] EN  
[54] MAMMOGRAPHY APPARATUS, PADDLE AND METHOD OF MEASURING A CONTACT AREA BETWEEN A BREAST AND THE MAMMOGRAPHY APPARATUS  
[54] APPAREIL DE MAMMOGRAPHIE, PALPATEUR ET PROCEDE DE MESURE DE ZONE DE CONTACT ENTRE UN SEIN ET L'APPAREIL DE MAMMOGRAPHIE  
[72] GRIMBERGEN, CORNELIS ANTONIUS, NL  
[72] DEN HEETEN, GERARD JOHAN, NL  
[73] ACADEMISCH MEDISCH CENTRUM BIJ DE UNIVERSITEIT VAN AMSTERDAM,  
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[25] EN  
[54] AERATED CHOCOLATE  
COMPOSITION  
[54] COMPOSITION AEREE A BASE  
DE CHOCOLAT  
[72] HAJ HASSAN, NOOSHIN LOUISE,  
GB  
[72] HODDLE, ANDREW, GB  
[73] UNILEVER PLC,  
[85] 2014-09-26  
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[25] EN  
[54] 2XXX SERIES ALUMINUM  
LITHIUM ALLOYS  
[54] ALLIAGES D'ALUMINIUM  
LITHIUM DE SERIE 2XXX  
[72] BOSELLI, JULIEN, US  
[72] LIN, JEN C., US  
[72] RIOJA, ROBERTO J., US  
[72] GERRIET, FEYEN, GB  
[72] CHAUDHRY, KHURRAM  
SHAHZAD, GB  
[73] ARCONIC INC.,  
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[25] EN  
[54] RESERVE BATTERY TO PROVIDE  
POWER FOR SUBSEA  
APPLICATIONS  
[54] BATTERIE DE RESERVE POUR  
FOURNIR DE L'ENERGIE A DES  
APPLICATIONS SOUS-MARINES  
[72] BENNETT, JOHN, US  
[72] MILLER, GREG, US  
[72] PARROT, MIKE, US  
[72] FERRARO, JIM, US  
[72] KIRK, GREG, US  
[72] BHAKTA, DHARMESH, US  
[72] COONROD, DONALD SCOTT, US  
[73] EAGLEPICHER TECHNOLOGIES,  
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[73] CAMERON INTERNATIONAL  
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[54] SYSTEM AND METHOD FOR  
RARE EARTHS EXTRACTION  
[54] SYSTEME ET PROCEDE POUR  
L'EXTRACTION DE TERRES  
RARES  
[72] TUDE, JOAO ALBERTO LESSA, AU  
[72] BERNI, TIAGO VALENTIM, BR  
[72] PEREIRA, ANTONIO CLARETI, BR  
[72] MENDES, FLAVIA DUTRA, BR  
[73] TUDE, JOAO ALBERTO LESSA,  
[73] VALE S.A.,  
[73] BERNI, TIAGO VALENTIM,  
[73] PEREIRA, ANTONIO CLARETI,  
[73] MENDES, FLAVIA DUTRA,  
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[87] (WO2013/163711)  
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[25] EN  
[54] MOBILE PAYMENT VIA A  
VIRTUAL PERIPHERAL DEVICE  
[54] PAIEMENT MOBILE PAR  
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[72] RAN, ALEXANDER S., US  
[73] INTUIT INC.,  
[85] 2014-11-25  
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DIMALEATE AND PREPARATION  
METHODS THEREOF  
[54] FORME CRISTALLISEE I DU  
DIMALEATE INHIBITEUR DE  
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[72] SUN, PIAOYANG, CN  
[72] WU, GUAILI, CN  
[72] YUAN, BO, CN  
[72] CHEN, YONGJIANG, CN  
[73] JIANGSU HENGRI MEDICINE CO.,  
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[54] PROCEDE ET DISPOSITIF D'OUVERTURE DE LA CARCASSE D'UN ANIMAL ABATTU

[72] UEFFING, ARNO HERMANUS MARIA, NL  
[73] HUMBOLDT B.V.,  
[85] 2014-12-23  
[86] 2013-07-03 (PCT/NL2013/050485)  
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[30] NL (2009151) 2012-07-06

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[54] LOADING DEVICE FOR CATALYSTS

[54] DISPOSITIF DE CHARGEMENT  
[72] HERBST, JULIAN, DE  
[72] PORZ, LUTZ OLIVER, DE  
[72] MICHEL, REINHARD, DE  
[72] JOHANNING, JOACHIM, DE  
[72] VOLKER, GUNTER, DE  
[72] MARIGO, MICHELE, GB  
[72] RENVOICE, PETER, GB  
[73] THYSSENKRUPP INDUSTRIAL SOLUTIONS AG,  
[85] 2015-03-04  
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[54] MANDIBULAR PROTRUSION DEVICE

[54] DISPOSITIF DE PROPULSION MANDIBULAIRE  
[72] MIQUEL, FLORENT, CA  
[73] PANTHERA DENTAL INC.,  
[85] 2015-03-19  
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[25] EN

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[54] ANTICORPS MONOCLONAUX CONTRE LA CLAUDINE-18 POUR LE TRAITEMENT DU CANCER  
[72] SAHIN, UGUR, DE  
[72] TURECI, OZLEM, DE  
[72] USENER, DIRK, DE  
[72] FRITZ, STEFAN, DE  
[72] UHEREK, CHRISTOPH, DE  
[72] BRANDENBURG, GUNDA, DE  
[72] GEPPERT, HARALD-GERHARD, DE  
[72] SCHRODER, ANJA KRISTINA, DE  
[72] THIEL, PHILIPPE, DE

[73] ASTELLAS PHARMA INC.,  
[73] TRON - TRANSLATIONALE ONKOLOGIE AN DER UNIVERSITATSMEDIZIN DER JOHANNEGUTENBERG-UNIVERSITAT MAINZ GEMEINNUTZIGE GMBH,  
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[54] HEAVY GOODS VEHICLE WITH NORMAL STEERING AND CRAB STEERING

[54] POIDS LOURD A DIRECTION NORMALE ET DIRECTION PARALLELE  
[72] MERKEL, FELIX, DE  
[72] SCHOLL, BENJAMIN, DE  
[73] GOLDHOFER AG,  
[85] 2015-04-02  
[86] 2013-10-01 (PCT/EP2013/070435)  
[87] (WO2014/053478)  
[30] DE (10 2012 218 045.1) 2012-10-02

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[11] **2,890,269**

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[51] Int.Cl. E02D 5/46 (2006.01)

[25] EN

[54] DRILLING AND GROUTING METHOD AND APPARATUS

[54] METHODE ET APPAREIL DE FORAGE ET INJECTION  
[72] BARISON, LUCA, US  
[72] GOFF, LARRY, US  
[72] LEFEBVRE, LAURENT, US  
[72] ENGLAND, STEVE, CA  
[72] GABALDO, STEFANO, CA  
[72] JUSTASON, MICHAEL, CA  
[73] SOLETANCHE FREYSSINET,  
[85] 2015-04-29  
[86] 2012-12-21 (PCT/EP2012/076766)  
[87] (WO2014/067590)  
[30] US (61/720,492) 2012-10-31

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[25] EN

[54] PLOT PLACEMENT SYSTEMS AND METHODS

[54] SYSTEMES ET PROCEDES POUR LA MISE EN □UVRE D'UN PLACEMENT DE PARCELLES  
[72] SAUDER, DEREK, US  
[72] SAUDER, DOUG, US  
[72] BAURER, PHIL, US  
[72] SAUDER, TIMOTHY, US  
[73] THE CLIMATE CORPORATION,  
[85] 2015-06-09  
[86] 2013-12-16 (PCT/US2013/075404)  
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[54] ORAL APPLIANCE

[54] APPAREIL BUCCAL  
[72] PARK, YOUNG-HYON, KR  
[72] PARK, JUN-YOUNG, KR  
[73] CHOI, HYUN-JIN,  
[73] PARK, YOUNG-HYON,  
[85] 2015-07-22  
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  - [25] EN
  - [54] USING RNA-GUIDED FOKI NUCLEASES (RFNS) TO INCREASE SPECIFICITY FOR RNA-GUIDED GENOME EDITING
  - [54] UTILISATION DE NUCLEASES FOKI A GUIDAGE ARN (RFN) POUR AUGMENTER LA SPECIFICITE POUR LA MODIFICATION D'UN GENOME A GUIDAGE ARN
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  - [72] TSAI, SHENGDAR, US
  - [73] THE GENERAL HOSPITAL CORPORATION, [85] 2015-09-15
  - [86] 2014-03-14 (PCT/US2014/028630)
  - [87] (WO2014/144288)
  - [30] US (61/799,647) 2013-03-15
  - [30] US (61/838,178) 2013-06-21
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- [25] EN
- [54] RETURN ROLLER BATTERY FOR CONVEYOR BELTS
- [54] BATTERIE DE ROULEAU DE RENVOI POUR COURROIES DE TRANSPORT
- [72] HARTNEY, JOSEPH, CA
- [72] MORSE, LUCAS, CA
- [72] DUCHENE, CHRISTOPHER, CA
- [72] BOYER, JOCELIN, CA
- [72] BENEDICT, WILLIAM, CA
- [73] RULMECA CANADA LIMITED, [86] (2908545)
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- [22] 2015-10-15
- [30] US (62/064128) 2014-10-15

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  - [25] EN
  - [54] DENTAL IMPLANT HAVING POROUS STRUCTURE
  - [54] IMPLANT DENTAIRE AYANT UNE STRUCTURE PORUEUSE
  - [72] DOSTA, ANATOLI D., BY
  - [72] HALAUKO, ALIAKSANDR I., BY
  - [72] DOSTA, DMITRI A., BY
  - [73] ALTIMED INTERNATIONAL SA, [85] 2015-11-06
  - [86] 2013-05-07 (PCT/IB2013/000971)
  - [87] (WO2014/181144)
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- [25] EN
- [54] GLOBAL CALIBRATION BASED RESERVOIR QUALITY PREDICTION FROM REAL-TIME GEOCHEMICAL DATA MEASUREMENTS
- [54] PREDICTION DE QUALITE DE RESERVOIRS BASEE SUR L'ETALONNAGE GLOBAL A PARTIR DE MESURES DE DONNEES GEOCHIMIQUES EN TEMPS REEL
- [72] CHOK, HAMED, US
- [72] HUGHES, SIMON N., US
- [72] SMITH, CHRISTOPHER N., US
- [72] DIX, MICHAEL C., US
- [73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, [85] 2016-02-04
- [86] 2014-08-05 (PCT/US2014/049754)
- [87] (WO2015/021030)
- [30] US (61/863,687) 2013-08-08

**[11] 2,927,700**

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- [51] Int.Cl. G06Q 50/10 (2012.01)
  - [25] EN
  - [54] GENERATING AND PROVIDING A SELF-SERVICE DEMONSTRATION TO FACILITATE PERFORMANCE OF A SELF-SERVICE TASK
  - [54] PRODUCTION ET PRESTATION D'UNE DEMONSTRATION DE SERVICE AUTONOME VISANT A FACILITER LE RENDEMENT D'UNE TACHE DE SERVICE AUTONOME
  - [72] ENGLES, EDWARD R., US
  - [72] KLIMEK, DAVID, US
  - [73] ACCENTURE GLOBAL SERVICES LIMITED, [86] (2927700)
  - [87] (2927700)
  - [22] 2016-04-20
  - [30] US (14/692,831) 2015-04-22
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- [51] Int.Cl. C09J 11/00 (2006.01)
- [25] EN
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- [54] PRODUITS D'ADDITION FAVORISANT L'ADHERENCE CONTENANT DES LIGANDS METALLIQUES, COMPOSITIONS DE CEUX-CI, ET UTILISATIONS DE CES DERNIERS
- [72] RAO, CHANDRA B., US
- [72] DENG, JUN, US
- [72] LIN, RENHE, US
- [73] PRC-DESO TO INTERNATIONAL, INC., [85] 2016-04-27
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 [25] EN  
 [54] CONTINUOUS OR SEMI-CONTINUOUS FREEZING COAGULATION METHOD FOR AQUEOUS POLYMER DISPERSIONS  
 [54] PROCEDE CONTINU OU SEMI-CONTINU DE CRYOCOAGULATION DE DISPERSIONS AQUEUSES DE POLYMERES  
 [72] STORKLE, DOMINIC, DE  
 [72] WEBER, ANDREAS, DE  
 [72] VORHOLZ, JOHANNES, DE  
 [72] JUNGKAMP, MELANIE, US  
 [72] DENGER, MARCUS, DE  
 [72] HOFFMANN, NORBERT, DE  
 [72] RUPPEL, MONA, DE  
 [72] MULLER, REINER, DE  
 [72] ALBRECHT, KLAUS, DE  
 [73] ROHM GMBH,  
 [85] 2016-05-18  
 [86] 2014-11-06 (PCT/EP2014/073889)  
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 [25] FR  
 [54] PROCESS FOR CONVERTING A BIOMASS INTO AT LEAST ONE BIOCHAR  
 [54] PROCEDE DE TRANSFORMATION D'UNE BIOMASSE EN AU MOINS UN BIOCHARBON  
 [72] VIESLET, JEAN-PAUL, BE  
 [73] BIOCARBON INDUSTRIES SARL,  
 [85] 2016-07-15  
 [86] 2015-02-11 (PCT/EP2015/052866)  
 [87] (WO2015/121299)  
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 [54] ADDITION OF COLLOIDAL SILICA TO CONCRETE  
 [54] AJOUT DE SILICE COLLOIDALE A DU BETON  
 [72] WETHERELL, MARK, US  
 [72] FANELLO, TIMOTHY J., US  
 [72] WIESE, BENJAMIN, US  
 [73] MULTQUIP, INC.,  
 [73] ARRIS TECHNOLOGIES, LLC,  
 [85] 2016-07-15  
 [86] 2015-01-14 (PCT/US2015/011418)  
 [87] (WO2015/108990)  
 [30] US (61/929,010) 2014-01-17
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[13] C

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 [54] DOWNHOLE DEPLOYMENT VALVES  
 [54] SOUPAPES POUR DEPLOIEMENT EN FOND-DE-TROU  
 [72] NOSKE, JOE, US  
 [72] IBLINGS, DAVID, US  
 [72] PAVEL, DAVID, US  
 [72] BRUNNERT, DAVID J., US  
 [72] SMITH, PAUL, US  
 [72] GRAYSON, MICHAEL BRIAN, US  
 [73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC.,  
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 [87] (2940068)  
 [22] 2008-03-31  
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 [25] EN  
 [54] IMPLEMENTATION OF A SERVICE THAT COORDINATES THE PLACEMENT AND EXECUTION OF CONTAINERS  
 [54] MISE EN ŒUVRE D'UN SERVICE QUI COORDONNE LE PLACEMENT ET L'EXECUTION DE CONTENEURS  
 [72] CARL, CRAIG KEITH, US  
 [73] AMAZON TECHNOLOGIES, INC.,  
 [85] 2016-09-21  
 [86] 2015-03-27 (PCT/US2015/023167)  
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 [30] US (14/229,702) 2014-03-28
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 [25] EN  
 [54] TURBINE AIRFOIL WITH PASSIVE MORPHING STRUCTURE  
 [54] PROFIL DYNAMIQUE DE TURBINE A STRUCTURE MORPHIQUE PASSIVE  
 [72] KRAY, NICHOLAS JOSEPH, US  
 [72] JOSHI, NARENDRA DIGAMBER, US  
 [72] KALITA, SAMAR JYOTI, US  
 [72] MARSLAND, PAUL GERARD, US  
 [72] SPENCE, WAYNE ALLEN, US  
 [73] GENERAL ELECTRIC COMPANY,  
 [86] (2948252)  
 [87] (2948252)  
 [22] 2016-11-14  
 [30] US (14/950,343) 2015-11-24

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  - [25] EN
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  - [54] APPAREIL ET PROCEDES DE TRAITEMENT DE FIBRE EN CERAMIQUE
  - [72] DUNN, DANIEL GENE, US
  - [72] RUUD, JAMES ANTHONY, US
  - [72] BUI, PIERRE-ANDRE, US
  - [72] CORMAN, GREGORY SCOT, US
  - [72] VARTULI, JAMES SCOTT, US
  - [73] GENERAL ELECTRIC COMPANY, [86] (2948254)
  - [87] (2948254)
  - [22] 2016-11-14
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- [72] DUNN, DANIEL GENE, US
- [72] RUUD, JAMES ANTHONY, US
- [72] BUI, PIERRE-ANDRE, US
- [72] CORMAN, GREGORY SCOT, US
- [72] VARTULI, JAMES SCOTT, US
- [73] GENERAL ELECTRIC COMPANY, [86] (2948950)
- [87] (2948950)
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[13] C

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  - [25] EN
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  - [54] FLUIDES DE FORAGE A BASE DE POLYMERES CONTENANT DES MATERIAUX NON BIODEGRADABLES ET LEURS PROCEDES D'UTILISATION
  - [72] MAY, PRESTON ANDREW, US
  - [72] COLLINS, RYAN PATRICK, US
  - [73] HALLIBURTON ENERGY SERVICES, INC., [85] 2016-12-14
  - [86] 2014-08-05 (PCT/US2014/049705)
  - [87] (WO2016/022101)
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- [54] DISPOSITIF GONFLABLE CONVERTIBLE
- [72] HUANG, YI WEI, CN
- [73] HUANG, YI WEI, [86] (2955948)
- [87] (2955948)
- [22] 2017-01-23
- [30] CN (201620586395.2) 2016-06-16

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[13] C

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  - [25] EN
  - [54] CONDUCTIVE POLYMER COMPOSITE
  - [54] COMPOSITE POLYMER CONDUCTEUR
  - [72] PRESTAYKO, RACHEL, CA
  - [72] VELLA, SARAH J., CA
  - [72] MOORLAG, CAROLYN, CA
  - [72] KEOSHKERIAN, BARKEV, CA
  - [73] XEROX CORPORATION, [86] (2957114)
  - [87] (2957114)
  - [22] 2017-02-03
  - [30] US (15/044456) 2016-02-16
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  - [25] EN
  - [54] METHOD AND APPARATUS FOR POSITIONING HEATING ELEMENTS
  - [54] PROCEDE ET APPAREIL POUR LE POSITIONNEMENT D'ELEMENTS CHAUFFANTS
  - [72] LARSON, DAVID D., US
  - [73] PROGRESS PROFILES SPA, [85] 2017-02-17
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  - [87] (WO2016/028775)
  - [30] US (62/038,733) 2014-08-18
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- [54] CARACTERISATION DE FORME DE TROU DE FORAGE
- [72] COOPER, PAUL ANDREW, US
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- [73] HALLIBURTON ENERGY SERVICES, INC., [85] 2017-04-10
- [86] 2014-11-19 (PCT/US2014/066331)
- [87] (WO2016/080977)

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**[11] 2,965,147**

[13] C

[51] Int.Cl. E04B 2/82 (2006.01)

[25] EN

[54] WALL PANEL ANGLED CONNECTOR SYSTEM

[54] SYSTEME DE RACCORD D'ANGLE DE PANNEAU MURAL

[72] KOPISH, ANDREW J., US

[72] LAFLEUR, TIMOTHY JOHN, US

[72] QUINTAL, NATHAN A., US

[73] KRUEGER INTERNATIONAL, INC.,

[86] (2965147)

[87] (2965147)

[22] 2017-04-25

[30] US (62/328,083) 2016-04-27

[30] US (15/490,369) 2017-04-18

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**[11] 2,965,783**

[13] C

[51] Int.Cl. E21B 47/12 (2012.01) E21B 47/18 (2012.01)

[25] EN

[54] METHOD AND APPARATUS FOR GENERATING PULSES IN A FLUID COLUMN

[54] PROCEDE ET APPAREIL DE GENERATION D'IMPULSIONS DANS UNE COLONNE DE FLUIDE

[72] BIN MUHAMMAD MOIZUDDIN, MUHAMMAD SUBHAN, SG

[73] HALLIBURTON ENERGY SERVICES, INC.,

[85] 2017-04-25

[86] 2014-12-31 (PCT/US2014/072939)

[87] (WO2016/108871)

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**[11] 2,967,821**

[13] C

[51] Int.Cl. F16K 3/02 (2006.01) F16K 3/314 (2006.01) F16K 31/08 (2006.01) F16K 31/12 (2006.01)

[25] EN

[54] LEAK-FREE RISING STEM VALVE WITH BALL SCREW ACTUATOR

[54] ROBINET A TIGE MONTANTE SANS FUITES A ACTIONNEUR A VIS SPHERIQUE

[72] BURGESS, KEVIN, US

[72] YAKOS, DAVID, US

[72] WALKER, ROSS, US

[73] BIG HORN VALVE, INC.,

[85] 2017-05-12

[86] 2015-11-16 (PCT/US2015/060787)

[87] (WO2016/077814)

[30] US (62/080,289) 2014-11-15

[30] US (14/938,672) 2015-11-11

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**[11] 2,971,408**

[13] C

[51] Int.Cl. A61K 9/127 (2006.01) A61K 47/69 (2017.01) A61K 39/00 (2006.01) A61P 35/00 (2006.01) A61P 37/02 (2006.01) C12N 5/02 (2006.01)

[25] EN

[54] TARGETED STEALTH LIPOSOMES LOADED WITH AN IMMUNOGENIC HUMAN LEUKOCYTE ANTIGEN CLASS I RESTRICTED PEPTIDE

[54] LIPOSOMES FURTIFS CIBLES CHARGES D'UN PEPTIDE RESTREINT DE CLASSE I D'ANTIGENE DE LEUCOCYTE HUMAIN IMMUNOGENE

[72] BROWN, KATHLYNN C., US

[72] UMLAUF, BENJAMIN J., US

[73] SRI INTERNATIONAL,

[85] 2017-06-16

[86] 2015-12-17 (PCT/US2015/066519)

[87] (WO2016/100748)

[30] US (62/093,285) 2014-12-17

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**[11] 2,972,462**

[13] C

[51] Int.Cl. E21B 21/01 (2006.01)

[25] EN

[54] CONTROL OF MULTIPLE HYDRAULIC CHOKES IN MANAGED PRESSURE DRILLING

[54] REGLAGE DE MULTIPLES DUSES HYDRAULIQUES EN FORAGE SOUS PRESSION REGULEE

[72] DILLARD, WALTER S., US

[72] NORTHAM, PAUL R., US

[73] WEATHERFORD TECHNOLOGY HOLDINGS, LLC,

[85] 2017-06-27

[86] 2016-01-05 (PCT/US2016/012134)

[87] (WO2016/111979)

[30] US (62/099,939) 2015-01-05

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**[11] 2,975,412**

[13] C

[51] Int.Cl. G05F 1/67 (2006.01)

[25] EN

[54] METHOD FOR TRACKING CONTROL OF MAXIMUM OUTPUT POWER POINT OF SOLAR CELL AND TRACKING DEVICE

[54] METHODE DE SURVEILLANCE DU CONTROLE DU POINT DE PUissance DE SORTIE MAXIMUM D'UNE PILE SOLAIRE ET APPAREIL DE SURVEILLANCE

[72] LI, HONGTAO, CN

[73] GD MIDEA AIR-CONDITIONING EQUIPMENT CO., LTD.,

[85] 2017-07-31

[86] 2015-09-14 (PCT/CN2015/089559)

[87] (WO2017/000388)

[30] CN (201510379129.2) 2015-06-30

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**[11] 2,976,854**

[13] C

[51] Int.Cl. B60R 5/00 (2006.01) B60R 7/04 (2006.01)

[25] FR

[54] LAND VEHICLE FOR PUBLIC TRANSPORT, SUCH AS A BUS, WITH IMPROVED BRIGHTNESS

[54] VEHICULE TERRESTRE DE TRANSPORT EN COMMUN, DE TYPE BUS, A LUMINOSITE AMELIOREE

[72] BESSON, PATRICE, FR

[72] SAUVAGET, THIERRY, FR

[73] BLUEBUS,

[85] 2017-08-16

[86] 2016-11-09 (PCT/EP2016/077102)

[87] (WO2017/084930)

[30] FR (1560971) 2015-11-16

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**[11] 2,977,632**

[13] C

[51] Int.Cl. A47G 19/26 (2006.01) A45F 3/16 (2006.01) B65D 43/16 (2006.01)

[25] EN

[54] LID FOR A CONTAINER

[54] COUVERCLE POUR RECIPIENT

[72] MEYERS, DAVID O., US

[72] SORENSEN, STEVEN M., US

[73] RUNWAY BLUE, LLC,

[85] 2017-08-23

[86] 2015-11-09 (PCT/US2015/059683)

[87] (WO2016/144394)

[30] US (14/645,201) 2015-03-11

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**[11] 2,977,671**

[13] C

- [51] Int.Cl. A47C 27/06 (2006.01) A47C 27/14 (2006.01) B68G 5/02 (2006.01)
  - [25] EN
  - [54] CYLINDRICAL FOAM BODY, USE THEREOF AND METHOD FOR PRODUCING THIS
  - [54] CORPS DE MOUSSE CYLINDRIQUE, SON UTILISATION ET SA METHODE DE PRODUCTION
  - [72] POPPE, WILLY, BE
  - [73] ROMERIKA, NAAMLOZE VENNOOTSCHAP,
  - [85] 2017-08-03
  - [86] 2016-01-28 (PCT/BE2016/000009)
  - [87] (WO2016/123680)
  - [30] BE (2015/5050) 2015-02-03
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**[11] 2,978,273**

[13] C

- [51] Int.Cl. E21B 33/14 (2006.01)
  - [25] EN
  - [54] METHOD AND APPARATUS FOR IMPROVING CEMENT BOND OF CASING IN CYCLIC LOAD APPLICATIONS
  - [54] PROCEDE ET APPAREIL POUR AMELIORER L'ADHESIVITE DU CIMENT D'UN TUBAGE DANS DES APPLICATIONS SOUS CHARGES CYCLIQUES
  - [72] ROGERS, HENRY EUGENE, US
  - [73] HALLIBURTON ENERGY SERVICES, INC.,
  - [85] 2017-08-30
  - [86] 2015-05-19 (PCT/US2015/031545)
  - [87] (WO2016/186655)
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**[11] 2,981,561**

[13] C

- [51] Int.Cl. A61F 2/06 (2013.01)
  - [25] EN
  - [54] FLOW REDUCING IMPLANT
  - [54] IMPLANT REDUCTEUR DE FLUX
  - [72] BEN MUvhAR, SHMUEL, IL
  - [72] SHALEV, ILAN, IL
  - [72] TSEHORI, JONATHAN, IL
  - [72] DARVISH, NISSIM, IL
  - [73] NEOVASC MEDICAL LTD.,
  - [86] (2981561)
  - [87] (2981561)
  - [22] 2002-10-03
  - [62] 2,870,392
  - [30] IL (145750) 2001-10-04
  - [30] IL (151162) 2002-08-08
- 

**[11] 2,984,309**

[13] C

- [51] Int.Cl. E04F 15/02 (2006.01) E04C 2/40 (2006.01) E04F 15/18 (2006.01)
  - [25] EN
  - [54] FLOOR PANEL AND METHODS FOR MANUFACTURING FLOOR PANELS.
  - [54] PANNEAU DE SOL ET PROCEDES DE FABRICATION DE PANNEAUX DE SOL.
  - [72] MEERSSEMAN, LAURENT, BE
  - [72] SEGAERT, MARTIN, BE
  - [72] THIERS, BERNARD, BE
  - [72] CLEMENT, BENJAMIN, BE
  - [72] MAESEN, CHRISTOPHE, BE
  - [73] FLOORING INDUSTRIES LIMITED, SARL,
  - [86] (2984309)
  - [87] (2984309)
  - [22] 2011-04-28
  - [62] 2,795,411
  - [30] BE (BE2010/0283) 2010-05-10
- 

**[11] 2,985,175**

[13] C

- [51] Int.Cl. H04W 76/20 (2018.01)
- [25] EN
- [54] A NETWORK NODE, A WIRELESS DEVICE AND METHODS THEREIN FOR HANDLING RADIO ACCESS NETWORK (RAN) CONTEXT INFORMATION IN A WIRELESS COMMUNICATIONS NETWORK
- [54] NODUD DE RESEAU, DISPOSITIF SANS FIL ET PROCEDES A L'INTERIEUR PERMETTANT DE GERER DES INFORMATIONS DE CONTEXTE DE RESEAU D'ACCES RADIO (RAN) DANS UN RESEAU DE COMMUNICATION SANS FIL
- [72] MILDH, GUNNAR, SE
- [72] VIKBERG, JARI, SE
- [72] RUNE, JOHAN, SE
- [72] DA SILVA, ICARO L. J., SE
- [72] WALLENTIN, PONTUS, SE
- [73] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL),
- [85] 2017-11-06
- [86] 2015-05-06 (PCT/SE2015/050497)
- [87] (WO2016/178605)

**[11] 2,985,341**

[13] C

- [51] Int.Cl. E21B 43/114 (2006.01) E21B 43/26 (2006.01)
  - [25] EN
  - [54] JETTING APPARATUS FOR FRACTURING APPLICATIONS
  - [54] APPAREIL D'EJECTION POUR APPLICATIONS DE FRACTURATION
  - [72] MARTYSEVICH, VLADIMIR NIKOLAYEVICH, US
  - [72] SURJAATMADJA, JIM B., US
  - [72] O'CONNELL, TIMOTHY P., US
  - [73] HALLIBURTON ENERGY SERVICES, INC.,
  - [85] 2017-11-07
  - [86] 2015-06-23 (PCT/US2015/037216)
  - [87] (WO2016/209214)
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**[11] 2,987,246**

[13] C

- [51] Int.Cl. E21B 23/06 (2006.01) E21B 23/04 (2006.01) E21B 33/12 (2006.01)
- [25] EN
- [54] HYDROSTATICALLY ACTUABLE DOWNHOLE PISTON
- [54] PISTON DE FOND DE TROU POUVANT ETRE ACTIONNE DE MANIERE HYDROSTATIQUE
- [72] EZELL, MICHAEL DALE, US
- [73] HALLIBURTON ENERGY SERVICES, INC.,
- [85] 2017-11-24
- [86] 2015-07-07 (PCT/US2015/039399)
- [87] (WO2017/007459)

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10 décembre 2019**

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**[11] 2,988,862**

[13] C

- [51] Int.Cl. G07C 15/00 (2006.01) G07B 3/00 (2006.01) G07B 5/00 (2006.01)
  - [25] EN
  - [54] **LOTTERY TICKET DISPENSING BIN WITH A RETARDING TORQUE DRIVE SYSTEM TO PREVENT TICKET REELING**
  - [54] **BAC DE DISTRIBUTION DE BILLET DE LOTERIE A SYSTEME D'ENTRAINEMENT A COUPLE RETARDE AFIN D'EMPECHER LE DEROULEMENT DE BILLET**
  - [72] MEJENBORG, STEN HALLUNDBAEK, US
  - [72] MOELGAARD, HENRIK, US
  - [73] SCIENTIFIC GAMES HOLDINGS LIMITED, [86] (2988862)
  - [87] (2988862)
  - [22] 2017-12-14
  - [30] US (15/394,195) 2016-12-29
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**[11] 2,991,399**

[13] C

- [51] Int.Cl. E04F 15/04 (2006.01)
  - [25] EN
  - [54] **FLOORING BOARD WITH A THIN VENEER WOOD AESTHETIC AND DURABLE SURFACE**
  - [54] **LAME DE PARQUET AVEC UNE SURFACE DURABLE ET ESTHETIQUE EN BOIS DE PLACAGE MINCE**
  - [72] BOGNER, HARRY, US
  - [72] QUINLAN, DICK, US
  - [73] MOHAWK CARPET, LLC, [85] 2018-01-04
  - [86] 2016-07-06 (PCT/IB2016/054056)
  - [87] (WO2017/009744)
  - [30] US (14/796,543) 2015-07-10
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**[11] 2,994,921**

[13] C

- [51] Int.Cl. H01Q 1/22 (2006.01) B60R 11/02 (2006.01) H01Q 1/18 (2006.01) H01Q 1/32 (2006.01)
  - [25] EN
  - [54] **ANTENNA ATTACHMENT STRUCTURE AND DUMP TRUCK**
  - [54] **STRUCTURE DE FIXATION D'ANTENNE ET CAMION-BENNE**
  - [72] YUI, DAICHI, JP
  - [72] MORI, SHUNSUKE, JP
  - [73] KOMATSU LTD., [85] 2018-02-06
  - [86] 2016-03-16 (PCT/JP2016/058413)
  - [87] (WO2017/158779)
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**[11] 2,996,000**

[13] C

- [51] Int.Cl. C12M 1/34 (2006.01) B01L 3/00 (2006.01) C12M 1/00 (2006.01) C12M 3/00 (2006.01) G01N 33/00 (2006.01) G01N 33/50 (2006.01)
  - [25] EN
  - [54] **PERFUSION MANIFOLD ASSEMBLY**
  - [54] **ENSEMBLE COLLECTEUR DE PERfusion**
  - [72] LEVNER, DANIEL, US
  - [72] SLIZ, JOSIAH DANIEL, US
  - [72] HINOJOSA, CHRISTOPHER DAVID, US
  - [72] THOMPSON, GUY ROBERT, II, US
  - [72] MARTINUS VAN RUIJVEN, PETRUS, AU
  - [72] SOLOMON, MATTHEW DANIEL, AU
  - [72] POTZNER, CHRISTIAN ALEXANDER, AU
  - [72] TUOHY, PATRICK SEAN, AU
  - [72] WEN, NORMAN, US
  - [72] GOMES, JOSHUA, US
  - [72] FREAKE, JACOB, US
  - [72] SABIN, DOUG, US
  - [73] EMULATE, INC., [85] 2018-02-16
  - [86] 2016-08-26 (PCT/US2016/049033)
  - [87] (WO2017/035484)
  - [30] US (62/210,122) 2015-08-26
  - [30] US (62/250,861) 2015-11-04
  - [30] US (62/361,244) 2016-07-12
  - [30] US (62/366,482) 2016-07-25
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**[11] 2,999,255**

[13] C

- [51] Int.Cl. E21B 43/26 (2006.01) C09K 8/62 (2006.01) C09K 8/80 (2006.01) E21B 43/17 (2006.01)
  - [25] EN
  - [54] **USE OF FOOD GRADE PARTICULATES TO FORM FRACTURES HAVING INCREASED POROSITY AND CONDUCTIVITY**
  - [54] **UTILISATION DE PARTICULES DE QUALITE ALIMENTAIRE POUR FORMER DES FRACTURES AYANT UNE CONDUCTIVITE ET UNE POROSITE ACCRUES**
  - [72] NGUYEN, PHILIP D., US
  - [72] CHITTATTUKARA, SHOY GEORGE, IN
  - [72] POYYARA, RAGI LOHIDAKSHAN, IN
  - [73] HALLIBURTON ENERGY SERVICES, INC., [85] 2018-03-20
  - [86] 2015-10-23 (PCT/US2015/057221)
  - [87] (WO2017/069782)
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**[11] 3,001,145**

[13] C

- [51] Int.Cl. E21B 43/12 (2006.01) E21B 47/10 (2012.01)
- [25] EN
- [54] **METHOD FOR MONITORING GAS LIFT WELLS USING MINIMAL CONCENTRATION TRACER MATERIALS**
- [54] **PROCEDE DE SURVEILLANCE DE PUITS D'EXTRACTION A INJECTION DE GAZ UTILISANT DES MATERIAUX DE TRACEUR A CONCENTRATION MINIMALE**
- [72] ROMER, MICHAEL C., US
- [72] LONG, TED A., US
- [72] HORD, TONY W., US
- [73] EXXONMOBIL UPSTREAM RESEARCH COMPANY, [85] 2018-04-05
- [86] 2016-08-05 (PCT/US2016/045702)
- [87] (WO2017/065863)
- [30] US (62/242,061) 2015-10-15

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[11] 3,003,186 [13] C [51] Int.Cl. C09K 8/44 (2006.01) E21B 33/13 (2006.01) [25] EN [54] POLYISOCYANURATE BASED CEMENT FOR WELLBORE FLUID LOSS PREVENTION [54] CIMENT A BASE DE POLYISOCYANURATE POUR LA PREVENTION DES PERTES DE FLUIDE DE PUITS DE FORAGE [72] ZIELINSKI, DAVID P., US [72] JEFFRIES, MICHAEL K., US [73] COVESTRO LLC, [85] 2018-04-24 [86] 2016-10-25 (PCT/US2016/058643) [87] (WO2017/074928) [30] US (14/928,108) 2015-10-30
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[11] 3,006,666 [13] C [51] Int.Cl. C09K 8/50 (2006.01) E21B 43/25 (2006.01) E21B 43/26 (2006.01) [25] EN [54] METHODS AND MATERIALS FOR REFRACTURING A PARTIALLY DEPLETED OIL AND GAS WELL [54] METHODES ET MATERIAUX DE REFRACTURATION DE PUITS DE PETROLE ET DE GAZ PARTIELLEMENT EPUISES [72] ZIELINSKI, DAVID P., US [72] JEFFRIES, MICHAEL K., US [73] COVESTRO LLC, [86] (3006666) [87] (3006666) [22] 2018-05-29 [30] US (62/515,171) 2017-06-05
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[11] 3,008,470 [13] C [51] Int.Cl. G01N 1/44 (2006.01) G01N 1/28 (2006.01) [25] EN [54] RAPID ENERGIZED DISPERSIVE SOLID PHASE EXTRACTION (SPE) FOR ANALYTICAL ANALYSIS [54] EXTRACTION EN PHASE SOLIDE DISPERSIVE ENERGISEE RAPIDEMENT DESTINEE A L'ANALYSE CRITIQUE [72] COLLINS, MICHAEL J., SR., US [72] LAMBERT, JOSEPH J., US [72] BEARD, MATTHEW N., US [72] ELLIOTT, PAUL C., US [73] CEM CORPORATION, [86] (3008470) [87] (3008470) [22] 2018-06-15 [30] US (15/644950) 2017-07-10
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[11] 3,020,576 [13] C [51] Int.Cl. F16L 23/08 (2006.01) F16L 21/06 (2006.01) [25] EN [54] COUPLING [54] DISPOSITIF D'ACCOUPLEMENT [72] BEAGEN, JOSEPH WILLIAM; JR., US [73] ANVIL INTERNATIONAL, LLC, [86] (3020576) [87] (3020576) [22] 2012-05-07 [62] 2,776,206 [30] US (13/354,459) 2012-01-20 [30] US (13/354,464) 2012-01-20 [30] US (13/354,466) 2012-01-20 [30] US (13/354,470) 2012-01-20
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[11] 3,023,314 [13] C [51] Int.Cl. C12N 15/53 (2006.01) A23K 10/30 (2016.01) A23K 20/158 (2016.01) A23K 20/189 (2016.01) A23K 50/80 (2016.01) A23L 33/115 (2016.01) A01H 6/20 (2018.01) A01H 5/00 (2018.01) A01H 5/10 (2018.01) A23D 9/00 (2006.01) C11B 1/00 (2006.01) C12N 5/10 (2006.01) C12N 9/00 (2006.01) C12N 9/02 (2006.01) C12N 15/52 (2006.01) C12N 15/82 (2006.01) C12P 7/64 (2006.01) [25] EN [54] SYNTHESIS OF LONG-CHAIN POLYUNSATURATED FATTY ACIDS BY RECOMBINANT CELLS [54] SYNTHESE D'ACIDES GRAS POLYINSATURÉS A CHAÎNE LONGUE PAR DES CELLULES DE RECOMBINAISON [72] SINGH, SURINDER PAL, AU [72] ROBERT, STANLEY SURESH, AU [72] NICHOLS, PETER DAVID, AU [72] BLACKBURN, SUSAN IRENE ELLIS, AU [72] ZHOU, XUE-RONG, AU [72] PETRIE, JAMES ROBERTSON, AU [72] GREEN, ALLAN GRAHAM, AU [73] COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION, [86] (3023314) [87] (3023314) [22] 2005-04-22 [62] 2,884,237 [30] US (60/564,627) 2004-04-22 [30] US (60/613,861) 2004-09-27 [30] AU (2005901673) 2005-04-05 [30] US (60/668,705) 2005-04-05
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[11] **3,025,125**

[13] C

- [51] Int.Cl. B01J 35/04 (2006.01) B01J  
32/00 (2006.01)
- [25] EN
- [54] METAL SUBSTRATE FOR  
CATALYTIC CONVERTER AND  
CATALYST CARRIER
- [54] SUBSTRAT METALLIQUE POUR  
CONVERTISSEUR  
CATALYTIQUE ET SUPPORT DE  
CATALYSSEUR
- [72] INAGUMA, TOORU, JP
- [72] KAWASOE, SHINJI, JP
- [72] TSUMURA, YASUHIRO, JP
- [72] KONYA, SHOGO, JP
- [72] KASUYA, MASAYUKI, JP
- [72] KAKO, TAKUZO, JP
- [72] OMIZU, MASAFUMI, JP
- [73] NIPPON STEEL CHEMICAL &  
MATERIAL CO., LTD.,
- [85] 2018-11-21
- [86] 2017-10-11 (PCT/JP2017/036752)
- [87] (WO2018/159007)
- [30] JP (2017-036612) 2017-02-28

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[11] **3,029,911**

[13] C

- [51] Int.Cl. C07D 517/04 (2006.01) A61K  
31/559 (2006.01) A61P 35/00 (2006.01)
- [25] EN
- [54] ANTIMETASTATIC 2H-  
SELENOPHENO[3,2-  
H]CHROMENES, SYNTHESIS  
THEREOF, AND METHODS OF  
USING SAME AGENTS
- [54] SYNTHESE DES 2H-  
SELENOPHENO [3,2-H]  
CHROMENES  
ANTIMETASTATIQUES, ET LES  
PROCEDES D'UTILISATION DES  
AGENTS SIMILAIRES
- [72] ARSENJANS, PAVELS, LV
- [72] VASILJEVA, JELENA, LV
- [72] DOMRACHEVA, ILONA, LV
- [72] SHESTAKOVA, IRINA, LV
- [72] KALVINS, IVARS, LV
- [73] LATVIAN INSTITUTE OF ORGANIC  
SYNTHESIS,
- [85] 2019-01-04
- [86] 2016-07-21 (PCT/IB2016/054341)
- [87] (WO2018/015788)

# Canadian Applications Open to Public Inspection

November 24, 2019 to November 30, 2019

## Demandes canadiennes mises à la disposition du public

24 novembre 2019 au 30 novembre 2019

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[21] **2,999,300**  
[13] A1

[51] Int.Cl. F16D 65/12 (2006.01)  
[25] EN  
[54] COMPOSITE BRAKE ROTOR  
[54] ROTOR DE FREIN EN  
COMPOSITE  
[72] UNKNOWN, XX  
[71] MACKELVIE, WINSTON, CA  
[22] 2018-05-29  
[41] 2019-11-29

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[21] **3,006,097**  
[13] A1

[51] Int.Cl. H04L 12/58 (2006.01)  
[25] EN  
[54] DATA PROCESSING WITH  
UNPUBLISHED AND PUBLISHED  
CAPACITIES  
[54] TRAITEMENT DE DONNEES  
AVEC DES CAPACITES NON  
PUBLIEES ET PUBLIEES  
[72] BUCHANAN, DEVika, CA  
[72] NIEJADLIK, MICHAEL, CA  
[71] TSX INC., CA  
[22] 2018-05-24  
[41] 2019-11-24

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[21] **3,006,107**  
[13] A1

[51] Int.Cl. A01K 85/00 (2006.01)  
[25] EN  
[54] JIG TRAILER FISHING LURE  
[54] LEURRE DE PECHE JIG TRAILER  
[72] RICHARDSON, DOUGLAS, CA  
[71] RICHARDSON, DOUGLAS, CA  
[22] 2018-05-24  
[41] 2019-11-24

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[21] **3,006,124**  
[13] A1

[51] Int.Cl. C07D 487/04 (2006.01) C07C  
69/78 (2006.01)  
[25] EN  
[54] NOVEL CRYSTALLINE FORMS  
OF IBRUTINIB  
[54] NOUVELLES FORMES  
CRISTALLINES D'IBRUTINIB  
[72] SOUZA, FABIO E. S., CA  
[72] BHATTACHARYYA, ANNYT, CA  
[72] KHALILI, BAHAREH, CA  
[72] REY, ALLAN W., CA  
[72] GORIN, BORIS, CA  
[71] APOTEX INC., CA  
[22] 2018-05-24  
[41] 2019-11-24

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[21] **3,006,178**  
[13] A1

[51] Int.Cl. A62C 37/50 (2006.01)  
[25] EN  
[54] FIRE ALARM TESTING DEVICE  
AND METHOD  
[54] PROCEDE ET DISPOSITIF  
D'ESSAI D'ALARME INCENDIE  
[72] AINSWORTH, STEPHEN D., CA  
[72] AINSWORTH, MARK D., CA  
[71] AINSWORTH, STEPHEN D., CA  
[71] AINSWORTH, MARK D., CA  
[22] 2018-05-25  
[41] 2019-11-25

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[21] **3,006,185**  
[13] A1

[51] Int.Cl. A61F 5/052 (2006.01) A61F  
5/01 (2006.01)  
[25] EN  
[54] KNEE BRACE  
[54] GENOUILLERE  
[72] LAROCHE, DANIEL, CA  
[71] INDALO STUDIO INC., CA  
[22] 2018-05-24  
[41] 2019-11-24

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[21] **3,006,321**  
[13] A1

[51] Int.Cl. A61G 1/048 (2006.01) A61G  
1/013 (2006.01)  
[25] EN  
[54] STRETCHER, STRETCHER  
HANDLE  
[54] CIVIERE, POIGNEE DE CIVIERE  
[72] KRUSHEL, GLEN L., CA  
[71] KRUSHEL, GLEN L., CA  
[22] 2018-05-28  
[41] 2019-11-28

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[21] **3,006,345**  
[13] A1

[51] Int.Cl. B21D 28/32 (2006.01) A41F  
9/00 (2006.01) A45C 13/30 (2006.01)  
[25] EN  
[54] STRAP MARKING TEMPLATES  
[54] GABARITS DE MARQUAGE DE  
SANGLE  
[72] CLENDENNING, CORINA GAY, CA  
[71] CLENDENNING, CORINA GAY, CA  
[22] 2018-05-28  
[41] 2019-11-28

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[21] **3,006,348**  
[13] A1

[51] Int.Cl. B02C 4/20 (2006.01)  
[25] EN  
[54] ROCK CRUSHER FOR A POTATO  
HARVESTER  
[54] BROYEUR DE ROCHE DESTINE A  
UNE RECOLTEUSE DE POMMES  
DE TERRE  
[72] LEVESQUE, LUC, CA  
[71] LEVESQUE, LUC, CA  
[22] 2018-05-29  
[41] 2019-11-29

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<p style="text-align: right; margin-bottom: 0;">[21] <b>3,006,350</b></p> <p style="text-align: right; margin-top: 0;">[13] A1</p> <p>[51] Int.Cl. A23L 23/00 (2016.01) A23L 27/00 (2016.01) A23L 27/10 (2016.01)</p> <p>[25] EN</p> <p>[54] CARIBBEAN STYLE SAUCE COMPOSITION AND METHOD</p> <p>[54] COMPOSITION DE SAUCE DE STYLE CARIBEEN ET SON PROCEDE</p> <p>[72] ABBOTT, NATASHA, CA</p> <p>[71] ABBOTT, NATASHA, CA</p> <p>[22] 2018-05-28</p> <p>[41] 2019-11-25</p> <p>[30] US (15990525) 2018-05-25</p>	<p style="text-align: right; margin-bottom: 0;">[21] <b>3,006,471</b></p> <p style="text-align: right; margin-top: 0;">[13] A1</p> <p>[51] Int.Cl. A61G 13/12 (2006.01) A61B 6/04 (2006.01) A61B 6/10 (2006.01)</p> <p>[25] EN</p> <p>[54] ARM SUPPORT APPARATUS</p> <p>[54] APPAREIL DE SUPPORT DE BRAS</p> <p>[72] YADEGARI, ANDREW B., CA</p> <p>[72] MCLELLAN, ANDREW S., CA</p> <p>[71] YADEGARI, ANDREW B., CA</p> <p>[71] MCLELLAN, ANDREW S., CA</p> <p>[22] 2018-05-29</p> <p>[41] 2019-11-29</p>	<p style="text-align: right; margin-bottom: 0;">[21] <b>3,006,657</b></p> <p style="text-align: right; margin-top: 0;">[13] A1</p> <p>[51] Int.Cl. A41G 5/00 (2006.01) A41D 20/00 (2006.01) A41G 3/00 (2006.01)</p> <p>[25] EN</p> <p>[54] HAIR STYLING DEVICE IMPARTING AN UPDO HAIRSTYLE WHEN WORN AND A DIFFERENT CURLED OR STRAIGHTENED HAIRSTYLE WHEN REMOVED</p> <p>[54] DISPOSITIF DE COIFFURE PRODUISANT UN STYLE BRUSCHING LORSQUE PORTE ET UN STYLE BOUCLE OU RAIDE DIFFERENT LORSQU'ENLEVE</p> <p>[72] CORRA, EMILY, CA</p> <p>[72] CONNOLLY, RICHARD E., CA</p> <p>[71] CORRA, EMILY, CA</p> <p>[71] CONNOLLY, RICHARD E., CA</p> <p>[22] 2018-05-30</p> <p>[41] 2019-11-30</p>
<p style="text-align: right; margin-bottom: 0;">[21] <b>3,006,352</b></p> <p style="text-align: right; margin-top: 0;">[13] A1</p> <p>[51] Int.Cl. B66F 19/00 (2006.01) B25B 11/00 (2006.01) E04C 1/00 (2006.01) E04C 5/16 (2006.01) E04F 21/00 (2006.01) F16B 2/00 (2006.01)</p> <p>[25] EN</p> <p>[54] MULTI-DIRECTIONAL SHIM AND METHOD</p> <p>[54] CALE MULTIDIRECTIONNELLE ET PROCEDE</p> <p>[72] MORINIDIS, IOANNIS, CA</p> <p>[71] MORINIDIS, IOANNIS, CA</p> <p>[22] 2018-05-28</p> <p>[41] 2019-11-25</p> <p>[30] US (15990304) 2018-05-25</p>	<p style="text-align: right; margin-bottom: 0;">[21] <b>3,006,481</b></p> <p style="text-align: right; margin-top: 0;">[13] A1</p> <p>[51] Int.Cl. G06F 17/50 (2006.01) G06Q 50/04 (2012.01) E06B 3/30 (2006.01) E06B 3/70 (2006.01)</p> <p>[25] EN</p> <p>[54] CUSTOM DOOR DESIGN SYSTEM</p> <p>[54] SYSTEME DE CONCEPT DE PORTE PERSONNALISE</p> <p>[72] QUICENO, JORGE, CA</p> <p>[71] QUICENO, JORGE, CA</p> <p>[22] 2018-05-29</p> <p>[41] 2019-11-29</p>	<p style="text-align: right; margin-bottom: 0;">[21] <b>3,006,692</b></p> <p style="text-align: right; margin-top: 0;">[13] A1</p> <p>[51] Int.Cl. C11B 1/10 (2006.01) B01D 3/40 (2006.01) C11B 3/00 (2006.01) C11B 7/00 (2006.01) C11B 9/00 (2006.01)</p> <p>[25] EN</p> <p>[54] A SYSTEM AND METHOD FOR EXTRACTING AND SEPARATING BOTANICAL OILS WITHOUT THE USE OF SOLVENTS</p> <p>[54] UN SYSTEME ET UNE METHODE D'EXTRACTION ET DE SEPARATION D'HUILES BOTANIQUES SANS UTILISATION DE SOLVANTS</p> <p>[72] DOOLEY, KEVIN ALLAN, CA</p> <p>[72] MORRIS, ELWOOD A., CA</p> <p>[72] BELL, JOSHUA DAVID, CA</p> <p>[72] DOOLEY, ADAM CHARLES, CA</p> <p>[71] KEVIN ALLAN DOOLEY INC., CA</p> <p>[22] 2018-05-30</p> <p>[41] 2019-11-30</p>
<p style="text-align: right; margin-bottom: 0;">[21] <b>3,006,445</b></p> <p style="text-align: right; margin-top: 0;">[13] A1</p> <p>[51] Int.Cl. B64C 39/00 (2006.01) B64C 29/04 (2006.01) B64C 39/02 (2006.01)</p> <p>[25] EN</p> <p>[54] ROCKET PROPELLED DRONE</p> <p>[54] DRONE PROPULSE PAR UNE FUSEE</p> <p>[72] MARTEL, RANDY, CA</p> <p>[71] MARTEL, RANDY, CA</p> <p>[22] 2018-05-29</p> <p>[41] 2019-11-29</p>	<p style="text-align: right; margin-bottom: 0;">[21] <b>3,006,651</b></p> <p style="text-align: right; margin-top: 0;">[13] A1</p> <p>[51] Int.Cl. C08G 77/06 (2006.01) A61K 8/89 (2006.01)</p> <p>[25] EN</p> <p>[54] NEAR CYCLIC SILOXANE-FREE SILICONES</p> <p>[54] SILICONES QUASI CYCLIQUES SANS SILOXANE</p> <p>[72] BROOK, MICHAEL A., CA</p> <p>[72] AMARAL, NICOLE, CA</p> <p>[72] CHEN, YANG, CA</p> <p>[71] MCMASTER UNIVERSITY, CA</p> <p>[22] 2018-05-30</p> <p>[41] 2019-11-30</p>	

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<p style="text-align: right;">[21] <b>3,006,714</b>  [13] A1</p> <p>[51] Int.Cl. E21B 43/00 (2006.01) E21B 41/00 (2006.01) E21B 43/12 (2006.01)  [25] EN  [54] CAPTURE, MEASUREMENT AND MANAGEMENT OF SOLUTION GAS PRODUCED WITH HEAVY OIL METHOD, SYSTEM AND APPARATUS  [54] CAPTURE, MESURE ET GESTION D'UN GAZ DE SOLUTION PRODUIT A PARTIR D'UNE METHODE, D'UN SYSTEME ET D'UN APPAREIL DE PETROLE LOURD  [72] ALLEN, JOHN L., CA  [71] ALLEN, JOHN L., CA  [22] 2018-05-30  [41] 2019-11-30</p> <hr/> <p style="text-align: right;">[21] <b>3,006,790</b>  [13] A1</p> <p>[51] Int.Cl. B08B 3/04 (2006.01) E21B 41/00 (2006.01)  [25] EN  [54] PURGING SYSTEM FOR DESANDING VESSELS  [54] SYSTEME DE VIDANGE SERVANT AUX RECIPIENTS DESSABLEURS  [72] MCNAUGHTON, BRETT, CA  [72] WILLIAMS, NATHAN, CA  [71] SPECIALIZED DESANDERS INC., CA  [22] 2018-05-31  [41] 2019-11-30</p>	<p style="text-align: right;">[21] <b>3,006,826</b>  [13] A1</p> <p>[51] Int.Cl. G06N 3/02 (2006.01) G06F 17/27 (2006.01)  [25] EN  [54] METHODS AND SYSTEMS FOR GENERATING AND TRAVERSING DISCOURSE GRAPHS USING ARTIFICIAL NEURAL NETWORKS  [54] METHODES ET SYSTEMES SERVANT A GENERER ET TRAVERSER DES GRAPHIQUES PHONETIQUES AU MOYEN DE RESEAUX NEURONAUX ARTIFICIELS  [72] BLOUW, PETER, CA  [72] ELIASMITH, CHRISTOPHER D., CA  [71] APPLIED BRAIN RESEARCH INC., CA  [22] 2018-05-31  [41] 2019-11-30  [30] US (15994603) 2018-05-31</p> <hr/> <p style="text-align: right;">[21] <b>3,006,840</b>  [13] A1</p> <p>[51] Int.Cl. A47H 2/00 (2006.01) A47H 1/02 (2006.01) F21V 33/00 (2006.01)  [25] EN  [54] CURTAIN ROD EMBELLISHMENT APPARATUS  [54] APPAREIL D'EMBELLISSEMENT DE TIGE DE RIDEAU  [72] WALKER, KIMBERLY R., US  [71] WALKER, KIMBERLY R., US  [22] 2018-05-31  [41] 2019-11-30</p>	<p style="text-align: right;">[21] <b>3,006,846</b>  [13] A1</p> <p>[51] Int.Cl. A47F 9/00 (2006.01) A47B 31/00 (2006.01) H02J 1/00 (2006.01) H02J 3/00 (2006.01) H04N 5/64 (2006.01)  [25] EN  [54] VIDEO SAMPLING BAR SYSTEM AND METHOD  [54] SYSTEME ET METHODE DE BARRE D'ECHANTILLONNAGE VIDEO  [72] BROXTERMAN, MARK, CA  [71] BROXTERMAN, MARK, CA  [22] 2018-05-31  [41] 2019-11-30</p> <hr/> <p style="text-align: right;">[21] <b>3,007,174</b>  [13] A1</p> <p>[51] Int.Cl. A01C 7/20 (2006.01) A01C 7/08 (2006.01) A01C 7/10 (2006.01)  [25] EN  [54] AUTO-CALIBRATION OF A SEEDER USING TANK SCALES WITH AUTOMATIC RATE ALARM  [54] AUTO-ETALONNAGE D'UN SEMOIR AU MOYEN DE BALANCES DE RESERVOIR EQUIPEES D'UNE ALARME DE DEBIT AUTOMATIQUE  [72] JAGOW, SCOT, CA  [72] KLENZ, ROBERT, CA  [72] CRESSWELL, MARK, CA  [71] BOURGAULT INDUSTRIES LTD., CA  [22] 2018-05-31  [41] 2019-11-30</p> <hr/> <p style="text-align: right;">[21] <b>3,007,939</b>  [13] A1</p> <p>[51] Int.Cl. A61F 5/05 (2006.01) A61F 5/01 (2006.01)  [25] EN  [54] ORTHOPEDIC WRIST DEVICE  [54] DISPOSITIF ORTHOPEDIQUE DESTINE A UN POIGNET  [72] KAMBERI, GENTI, CA  [71] KAMBERI, GENTI, CA  [22] 2018-06-11  [41] 2019-11-30  [30] US (15/931131) 2018-05-30</p>
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**24 novembre 2019 au 30 novembre 2019**

<p style="text-align: right;">[21] <b>3,010,269</b>  [13] A1</p> <p>[51] Int.Cl. H04W 4/38 (2018.01) H04W 4/12 (2009.01) H04W 64/00 (2009.01) G08B 21/02 (2006.01) G08B 25/10 (2006.01)  [25] EN  [54] HEALTH NOTIFICATION SYSTEM AND METHOD  [54] SYSTEME DE NOTIFICATION DE SANTE ET METHODE  [72] BLANCHARD, JOSHUA, CA  [71] BLANCHARD, JOSHUA, CA  [22] 2018-06-29  [41] 2019-11-29  [30] US (15991949) 2018-05-29</p> <hr/> <p style="text-align: right;">[21] <b>3,011,152</b>  [13] A1</p> <p>[51] Int.Cl. B04B 3/04 (2006.01) B04B 1/08 (2006.01) B04B 1/20 (2006.01)  [25] EN  [54] A SCREEN BOWL DECANTER CENTRIFUGE  [54] UNE CENTRIFUGEUSE DE DECANTEUR A BOL TAMISE  [72] SELWAY, ANDREW JOHN, GB  [72] FROHLICH, NICHOLAS ROBERT, JR., US  [72] HAIGH, NIGEL PATTERSON, GB  [71] THOMAS BROADBENT &amp; SONS, LIMITED, GB  [22] 2018-07-12  [41] 2019-11-30  [30] US (62/678566) 2018-05-31</p> <hr/> <p style="text-align: right;">[21] <b>3,013,539</b>  [13] A1</p> <p>[51] Int.Cl. E03C 1/084 (2006.01) F16K 47/00 (2006.01) F16L 55/02 (2006.01)  [25] EN  [54] FLOW SELF-ADJUSTING FAUCET AERATOR  [54] AERATEUR DE ROBINET A AJUSTEMENT AUTOMATIQUE DU DEBIT  [72] LI, KEPING, CN  [72] YE, JINQING, CN  [72] ZHU, CHUANBAO, CN  [71] XIAMEN LOTA INTERNATIONAL CO., LTD., CN  [71] LOTA XIAMEN INDUSTRY CO., LTD., CN  [22] 2018-08-08  [41] 2019-11-29  [30] CN (201810529798.7) 2018-05-29</p> <hr/> <p style="text-align: right;">[21] <b>3,015,173</b>  [13] A1</p> <p>[51] Int.Cl. H02S 10/40 (2014.01) H02S 20/00 (2014.01) B62D 25/16 (2006.01) B62J 15/00 (2006.01)  [25] EN  [54] FENDER WITH SOLAR POWER GENERATION FUNCTION  [54] GARDE-BOUE EQUIPE D'UNE FONCTION DE GENERATION D'ENERGIE SOLAIRE  [72] YANG, SHENG, CN  [72] PAN, JIANWEN, CN  [72] WEN, JUNRONG, CN  [72] OU, HAIJIN, CN  [71] MIASOLE PHOTOVOLTAIC TECHNOLOGY CO., LTD., CN  [22] 2018-08-23  [41] 2019-11-30  [30] CN (201810571906.7) 2018-05-31</p> <hr/> <p style="text-align: right;">[21] <b>3,016,463</b>  [13] A1</p> <p>[51] Int.Cl. E04H 13/00 (2006.01)  [25] EN  [54] FUNERARY STRUCTURE FOR CONTAINING FUNERARY OBJECTS  [54] STRUCTURE FUNERAIRE DESTINEE A CONTENIR DES OBJETS FUNERAIRES  [72] ROSSI, FILIPPO, IT  [71] BIONDAN NORTH AMERICA INC., CA  [22] 2018-09-04  [41] 2019-11-30  [30] IT (102018000005885) 2018-05-31</p> <hr/> <p style="text-align: right;">[21] <b>3,017,331</b>  [13] A1</p> <p>[51] Int.Cl. A24C 5/40 (2006.01)  [25] EN  [54] MANUAL CIGARETTE MAKING MACHINE OPERABLE BY A HANDLE LOCATED AT A SIDE OF THE MACHINE  [54] MACHINE DE FABRICATION DE CIGARETTE MANUELLE FONCTIONNANT A L'AIDE D'UNE POIGNEE SITUEE SUR UN COTE DE LA MACHINE  [72] LIN, JEONGQIANG, US  [71] REPUBLIC TOBACCO L.P., US  [22] 2018-09-13  [41] 2019-11-30  [30] CN (201810551983.6) 2018-05-31  [30] US (16/003,874) 2018-06-08</p>	<p style="text-align: right;">[21] <b>3,015,173</b>  [13] A1</p> <p>[51] Int.Cl. H02S 10/40 (2014.01) H02S 20/00 (2014.01) B62D 25/16 (2006.01) B62J 15/00 (2006.01)  [25] EN  [54] FENDER WITH SOLAR POWER GENERATION FUNCTION  [54] GARDE-BOUE EQUIPE D'UNE FONCTION DE GENERATION D'ENERGIE SOLAIRE  [72] YANG, SHENG, CN  [72] PAN, JIANWEN, CN  [72] WEN, JUNRONG, CN  [72] OU, HAIJIN, CN  [71] MIASOLE PHOTOVOLTAIC TECHNOLOGY CO., LTD., CN  [22] 2018-08-23  [41] 2019-11-30  [30] CN (201810571906.7) 2018-05-31</p> <hr/> <p style="text-align: right;">[21] <b>3,016,463</b>  [13] A1</p> <p>[51] Int.Cl. E04H 13/00 (2006.01)  [25] EN  [54] FUNERARY STRUCTURE FOR CONTAINING FUNERARY OBJECTS  [54] STRUCTURE FUNERAIRE DESTINEE A CONTENIR DES OBJETS FUNERAIRES  [72] ROSSI, FILIPPO, IT  [71] BIONDAN NORTH AMERICA INC., CA  [22] 2018-09-04  [41] 2019-11-30  [30] IT (102018000005885) 2018-05-31</p> <hr/> <p style="text-align: right;">[21] <b>3,017,331</b>  [13] A1</p> <p>[51] Int.Cl. A24C 5/40 (2006.01)  [25] EN  [54] MANUAL CIGARETTE MAKING MACHINE OPERABLE BY A HANDLE LOCATED AT A SIDE OF THE MACHINE  [54] MACHINE DE FABRICATION DE CIGARETTE MANUELLE FONCTIONNANT A L'AIDE D'UNE POIGNEE SITUEE SUR UN COTE DE LA MACHINE  [72] LIN, JEONGQIANG, US  [71] REPUBLIC TOBACCO L.P., US  [22] 2018-09-13  [41] 2019-11-30  [30] CN (201810551983.6) 2018-05-31  [30] US (16/003,874) 2018-06-08</p>	<p style="text-align: right;">[21] <b>3,020,823</b>  [13] A1</p> <p>[51] Int.Cl. B62D 53/08 (2006.01) B60D 1/58 (2006.01)  [25] EN  [54] SAFETY APPARATUS FOR A FIFTH WHEEL COUPLING  [54] APPAREIL DE SECURITE DESTINE A UN RACCORD DE REMORQUE A SELLETTE  [72] PEARSON, JAMES GORDON, AU  [71] JPH3 PTY LTD, AU  [22] 2018-10-15  [41] 2019-11-30  [30] AU (2018901925) 2018-05-30</p> <hr/> <p style="text-align: right;">[21] <b>3,022,247</b>  [13] A1</p> <p>[51] Int.Cl. A61K 36/8962 (2006.01) A61K 35/64 (2015.01) A61K 36/185 (2006.01) A61K 36/70 (2006.01) A61P 3/10 (2006.01)  [25] EN  [54] COMPOSITION FOR TREATING DIABETIC DISEASE  [54] COMPOSITION DE TRAITEMENT D'UNE MALADIE LIEE AU DIABETE  [72] LEE, SAM GOO, KR  [71] LEE, SAM GOO, KR  [22] 2018-10-26  [41] 2019-11-30  [30] KR (10-2018-0061788) 2018-05-30</p>
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<p style="text-align: right;">[21] <b>3,022,728</b>  [13] A1</p> <p>[51] Int.Cl. G06N 3/08 (2006.01)  [25] EN  [54] METHOD, APPARATUS AND COMPUTER PROGRAM FOR GENERATING ROBUST AUTOMATED LEARNING SYSTEMS AND TESTING TRAINED AUTOMATED LEARNING SYSTEMS  [54] METHODE, APPAREIL ET PROGRAMME INFORMATIQUE SERVANT A GENERER DES SYSTEMES D'APPRENTISSAGE AUTOMATIQUES ROBUSTES ET TESTER LES SYSTEMES D'APPRENTISSAGE AUTOMATIQUES  [72] KOLTER, JEREMY ZICO, US  [72] WONG, ERIC, US  [72] SCHMIDT, FRANK R., DE  [72] METZEN, JAN HENDRIK, DE  [71] ROBERT BOSCH GMBH, DE  [22] 2018-10-30  [41] 2019-11-30  [30] US (62/677,896) 2018-05-30  [30] US (62/736,858) 2018-09-26</p>	<p style="text-align: right;">[21] <b>3,034,819</b>  [13] A1</p> <p>[51] Int.Cl. E21B 37/00 (2006.01)  [25] EN  [54] MULTI-CYCLE WELLBORE CLEAN-OUT TOOL  [54] OUTIL DE NETTOYAGE DE PUITS DE FORAGE MULTICYCLE  [72] STANG, JONATHAN M., CA  [72] MAGNER, DARYL E., CA  [71] STANG TECHNOLOGIES LTD., CA  [22] 2019-02-25  [41] 2019-11-27  [30] US (16/280,364) 2019-02-20  [30] US (62/778,384) 2018-12-12  [30] US (62/677,023) 2018-05-27</p>	<p style="text-align: right;">[21] <b>3,036,009</b>  [13] A1</p> <p>[51] Int.Cl. G01B 21/00 (2006.01) B65G 67/04 (2006.01)  [25] EN  [54] DYNAMIC PALLET DIMENSIONING - FORKLIFT TARING  [54] DIMENSIONNEMENT DE PALETTE DYNAMIQUE - TARAGE DE CHARIOT-ELEVATEUR A FOURCHES  [72] SORENSEN, EINAR, NO  [71] METTLER-TOLEDO GMBH, CH  [22] 2019-03-07  [41] 2019-11-25  [30] EP (18174220.6) 2018-05-25</p>
<p style="text-align: right;">[21] <b>3,029,296</b>  [13] A1</p> <p>[51] Int.Cl. A61K 9/48 (2006.01) A61K 31/192 (2006.01) A61K 47/02 (2006.01) A61K 47/10 (2017.01)  [25] EN  [54] PROCESS FOR PREPARING PHARMACEUTICAL COMPOSITIONS RESULTING IN REDUCTION IN OVERALL FILL VOLUME FOR USE WITH SOFT GELATIN FORMULATIONS  [54] PROCEDE DE PREPARATION DE COMPOSITIONS PHARMACEUTIQUES RESULTANT DE LA REDUCTION DU VOLUME DE REMPLISSAGE GENERAL A UTILISER AVEC DES FORMULATIONS GELATINEUSES MOLLES  [72] RAMACHANDRappa, ANIL KUMAR, IN  [72] PRADEEP, GATTIMALLANAHALLI CHANNABASAPPA, IN  [71] STRIDES SHASUN LIMITED, IN  [22] 2019-01-08  [41] 2019-11-25  [30] IN (201841019620) 2018-05-25</p>	<p style="text-align: right;">[21] <b>3,035,188</b>  [13] A1</p> <p>[51] Int.Cl. F16K 17/04 (2006.01) F16K 17/08 (2006.01)  [25] EN  [54] PRESSURE RELIEF VALVE  [54] SOUPAPE DE SURPRESSION  [72] CARPIGNANO, CLAUDIO, IT  [72] TURTURICI, DARIO, IT  [71] MICROTECNICA S.R.L., IT  [22] 2019-02-27  [41] 2019-11-29  [30] EP (18275072.9) 2018-05-29</p>	<p style="text-align: right;">[21] <b>3,036,685</b>  [13] A1</p> <p>[51] Int.Cl. A01M 7/00 (2006.01) A01C 23/00 (2006.01) A01G 25/09 (2006.01) B05B 12/08 (2006.01) G01M 13/00 (2019.01)  [25] EN  [54] PLUGGED SPRAY NOZZLE DETECTION USING RADIO-FREQUENCY TRANSMISSIONS  [54] DETECTION DE BUSE DE PULVERISATION OBSTREEE UTILISANT DES TRANSMISSIONS RADIOFRÉQUENCES  [72] BHARATIYA, PARESH, IN  [72] SIVAJI, RAJA, IN  [71] DEERE &amp; COMPANY, US  [22] 2019-03-14  [41] 2019-11-24  [30] US (15/988,186) 2018-05-24</p>
<p style="text-align: right;">[21] <b>3,035,796</b>  [13] A1</p> <p>[51] Int.Cl. F01D 25/02 (2006.01) B64D 15/00 (2006.01) F02C 7/047 (2006.01)  [25] EN  [54] SYSTEM AND METHOD TO PROMOTE EARLY AND DIFFERENTIAL ICE SHEDDING  [54] SYSTEME ET PROCEDE VISANT A FAVORISER LE DECOLLEMENT RAPIDE ET DIFFERENTIEL DE LA GLACE  [72] HARVELL, JOHN KNIGHT, US  [72] JONES, GEOFFREY BURNELL, GB  [72] WARD, ALISTAIR DAVID, GB  [71] ROLLS-ROYCE CORPORATION, US  [71] ROLLS-ROYCE PLC, GB  [22] 2019-03-06  [41] 2019-11-25  [30] US (15/989,807) 2018-05-25</p>	<p style="text-align: right;">[21] <b>3,036,869</b>  [13] A1</p> <p>[51] Int.Cl. G06Q 50/16 (2012.01)  [25] EN  [54] VIEW SCORES  [54] VISUALISATION DE RESULTATS  [72] MARTIN, ANDREW, US  [72] HUDSON, BENJAMIN, US  [71] ZILLOW, INC, US  [22] 2019-03-14  [41] 2019-11-24  [30] US (62/676238) 2018-05-24  [30] US (16/178457) 2018-11-01</p>	

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[21] 3,038,148	[13] A1	[21] 3,039,418	[13] A1	[21] 3,040,487
[51] Int.Cl. A01D 57/20 (2006.01) A01D 57/06 (2006.01)	[25] EN	[51] Int.Cl. A61M 1/00 (2006.01) A61B 17/00 (2006.01) F01B 11/00 (2006.01) F01B 17/02 (2006.01) A61M 3/02 (2006.01)	[25] EN	[51] Int.Cl. B66F 9/18 (2006.01)
[54] AUTOMATED BELT SPEED CONTROL	[54] CONTROLE DE VITESSE DE COURROIE AUTOMATISE	[54] VACUUM MOTOR, SURGICAL DRIVE SYSTEM, AND METHOD FOR OPERATING A VACUUM MOTOR	[54] PINCE DE PALETTE INTEGREE POUR FOURCHE	[25] EN
[72] LAUGEN, AUSTIN M., US	[72] LOVETT, BENJAMIN M., US	[72] YANKE, BRYAN R., US	[72] SCHWARZ, SEBASTIAN, US	[25] EN
[72] BOMLENY, DUANE M., US	[71] DEERE & COMPANY, US	[71] CROWN EQUIPMENT CORPORATION, US	[72] OKROY, MARTIN, US	[22] 2019-04-17
[22] 2019-03-27	[41] 2019-11-30	[22] 2019-04-08	[41] 2019-11-24	[30] US (15/988,267) 2018-05-24
[30] US (15/994,588) 2018-05-31		[41] 2019-11-30		
		[30] DE (10 2018 208 567.6) 2018-05-30		
[21] 3,038,390	[13] A1	[21] 3,040,094	[13] A1	[21] 3,040,679
[51] Int.Cl. E21C 45/00 (2006.01) E21B 43/26 (2006.01)	[25] EN	[51] Int.Cl. B30B 15/30 (2006.01) B30B 9/00 (2006.01)	[25] EN	[13] A1
[54] HORIZONTAL LINE DRIVE SELECTIVE SOLUTION MINING METHODS	[54] METHODES D'EXPLOITATION MINIERE DE SOLUTIONS SELECTIVES A ENTRAINEMENT SUR UNE LIGNE HORIZONTALE	[54] WASTE MATERIAL COMPACTION APPARATUS AND VEHICLE INCLUDING SAME	[54] SEQUENTIAL COILING OF A ROPE BY SEGMENTS	[51] Int.Cl. B65H 54/82 (2006.01) B63B 21/04 (2006.01)
[72] HARDAGE, QUINTON, CA	[72] HALABURA, STEPHEN PHILIP, CA	[54] APPAREIL DE COMPACTION DE MATERIAU DE DECHETS ET VEHICULE COMPORTANT LEDIT APPAREIL	[54] BOBINAGE SEQUENTIEL D'UNE CORDE PAR SEGMENT	[25] EN
[71] BUFFALO POTASH CORP., CA	[22] 2019-03-29	[72] LAPOLINTE, CHRISTIAN, CA	[72] D'ENTREMONT, CHRISTIAN, CA	[71] D'ENTREMONT, CHRISTIAN, CA
[41] 2019-11-29	[30] US (62/677,619) 2018-05-29	[72] CANTIN, MAXIME, CA	[22] 2019-04-23	[22] 2019-04-23
		[71] 9103-8034 QUEBEC INC., CA	[41] 2019-11-25	[41] 2019-11-25
		[22] 2019-04-12	[30] US (62/678,516) 2018-05-31	[30] US (62/762,914) 2018-05-25
		[41] 2019-11-30		
		[30] US (62/678,516) 2018-05-31		
[21] 3,039,129	[13] A1	[21] 3,040,368	[13] A1	[21] 3,040,702
[51] Int.Cl. A01M 7/00 (2006.01) A01C 23/00 (2006.01)	[25] EN	[51] Int.Cl. F16H 25/22 (2006.01) F16H 57/023 (2012.01) B64C 13/28 (2006.01)	[25] EN	[13] A1
[54] PLUGGED SPRAY NOZZLE DETECTION USING ELECTROMAGNETIC RADIATION	[54] DETECTION DE BUSE DE PULVERISATION OBSTREUEE PAR RAYONNEMENT ELECTROMAGNETIQUE	[54] SLOTTED ENTRY GIMBAL	[54] RESERVOIR FOR A HYDRAULICS SYSTEM	[51] Int.Cl. F15B 1/26 (2006.01)
[72] PARALIKAR, ASHISH, IN	[72] BHARATIYA, PARESH, IN	[54] CARDAN A ENTREE FENDUE	[54] RESERVOIR POUR UN SYSTEME HYDRAULIQUE	[25] EN
[72] SIVAJI, RAJA, IN	[71] DEERE & COMPANY, US	[72] TSAI, KEVIN R., US	[72] MACLENNAN, SIMON, DE	[71] AIRBUS OPERATIONS GMBH, DE
[22] 2019-04-04	[41] 2019-11-24	[71] THE BOEING COMPANY, US	[22] 2019-04-18	[22] 2019-04-18
[30] US (15/988,186) 2018-05-24	[30] US (16/210,209) 2018-12-05	[22] 2019-04-15	[41] 2019-11-24	[41] 2019-11-24
		[41] 2019-11-25	[30] DE (102018112523.2) 2018-05-24	[30] DE (102018112523.2) 2018-05-24
		[30] US (15/989850) 2018-05-25		

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<p style="text-align: right;">[21] <b>3,040,908</b> [13] A1</p> <p>[51] Int.Cl. F21V 9/40 (2018.01) F21S 2/00 (2016.01) F21V 23/04 (2006.01) H05B 37/00 (2006.01)</p> <p>[25] EN</p> <p>[54] LIGHTING SYSTEM WITH CONFIGURABLE COLOR TEMPERATURES</p> <p>[54] SYSTEME D'ECLAIRAGE A TEMPERATURES DE COULEUR CONFIGURABLES</p> <p>[72] CHEN, FENG, US</p> <p>[72] CHOWDHURY, TOWFIQ M., US</p> <p>[71] ABL IP HOLDING LLC, US</p> <p>[22] 2019-04-23</p> <p>[41] 2019-11-29</p> <p>[30] US (15/991,209) 2018-05-29</p>	<p style="text-align: right;">[21] <b>3,041,006</b> [13] A1</p> <p>[51] Int.Cl. D04H 3/16 (2006.01)</p> <p>[25] EN</p> <p>[54] APPARATUS AND METHOD OF MAKING SPUNBONDED NONWOVENS FROM CONTINUOUS FILAMENTS</p> <p>[54] APPAREIL ET METHODE DE FABRICATION DE NON-TISSES FILES-LIES A PARTIR DE FILAMENTS CONTINUS</p> <p>[72] NITSCHKE, MICHAEL, DE</p> <p>[72] NEUENHOFER, MARTIN, DE</p> <p>[72] GEUS, HANS-GEORG, DE</p> <p>[72] FREY, DETLEF, DE</p> <p>[71] REIFENHAUSER GMBH &amp; CO. KG MASCHINENFABRIK, DE</p> <p>[22] 2019-04-24</p> <p>[41] 2019-11-28</p> <p>[30] EP (18 174 519.1) 2018-05-28</p>	<p style="text-align: right;">[21] <b>3,041,248</b> [13] A1</p> <p>[51] Int.Cl. D04H 1/732 (2012.01)</p> <p>[25] EN</p> <p>[54] APPARATUS FOR MAKING SPUNBONDED NONWOVENS FROM CONTINUOUS FILAMENTS</p> <p>[54] APPAREIL DE FABRICATION DE NON-TISSES FILES-LIES A PARTIR DE FILAMENTS CONTINUS</p> <p>[72] NEUENHOFER, MARTIN, DE</p> <p>[72] NITSCHKE, MICHAEL, DE</p> <p>[72] GEUS, HANS-GEORG, DE</p> <p>[72] FREY, DETLEF, DE</p> <p>[72] KRETSCHMANN, TRISTAN, DE</p> <p>[71] REIFENHAUSER GMBH &amp; CO. KG MASCHINENFABRIK, DE</p> <p>[22] 2019-04-25</p> <p>[41] 2019-11-28</p> <p>[30] EP (18 174 523.3) 2018-05-28</p>
<p style="text-align: right;">[21] <b>3,040,911</b> [13] A1</p> <p>[51] Int.Cl. E04D 13/18 (2018.01) H02S 20/23 (2014.01) F24S 25/632 (2018.01) F24S 25/636 (2018.01) F24S 25/67 (2018.01) F24S 25/70 (2018.01) F16L 5/06 (2006.01) F16M 13/02 (2006.01)</p> <p>[25] EN</p> <p>[54] PANEL MEMBER SECURING STRUCTURE AND PANEL MEMBER SECURING TOOL</p> <p>[54] STRUCTURE DE FIXATION D'ELEMENT DE PANNEAU ET OUTIL DE FIXATION D'ELEMENT DE PANNEAU</p> <p>[72] KOBAYASHI, SHUICHI, JP</p> <p>[71] YANEGIJUTSUKENKYUJO CO., LTD., JP</p> <p>[22] 2019-04-23</p> <p>[41] 2019-11-30</p> <p>[30] JP (JP2018-103775) 2018-05-30</p>	<p style="text-align: right;">[21] <b>3,041,207</b> [13] A1</p> <p>[51] Int.Cl. F16B 11/00 (2006.01) B29C 65/34 (2006.01) F16L 3/12 (2006.01) F16L 47/03 (2006.01) H05B 3/14 (2006.01)</p> <p>[25] EN</p> <p>[54] ELECTROFUSION TAPE</p> <p>[54] RUBAN D'ELECTROFUSION</p> <p>[72] BRUNNER, ANDREAS, CH</p> <p>[71] GEORG FISCHER ROHRLEITUNGSSYSTEME AG, CH</p> <p>[22] 2019-04-24</p> <p>[41] 2019-11-29</p> <p>[30] EP (18 174 699.1) 2018-05-29</p>	<p style="text-align: right;">[21] <b>3,041,370</b> [13] A1</p> <p>[51] Int.Cl. D04H 3/02 (2006.01)</p> <p>[25] EN</p> <p>[54] APPARATUS AND METHOD FOR MAKING SPUNBOND FROM CONTINUOUS FILAMENTS</p> <p>[54] APPAREIL ET METHODE DE FABRICATION D'UN NON-TISSE FILE-LIE A PARTIR DE FILAMENTS CONTINUS</p> <p>[72] NITSCHKE, MICHAEL, DE</p> <p>[72] NEUENHOFER, MARTIN, DE</p> <p>[72] FREY, DETLEF, DE</p> <p>[72] NOACK, CHRISTINE, DE</p> <p>[71] REIFENHAUSER GMBH &amp; CO. KG MASCHINENFABRIK, DE</p> <p>[22] 2019-04-26</p> <p>[41] 2019-11-28</p> <p>[30] EP (18 174 513.4) 2018-05-28</p>
<p style="text-align: right;">[21] <b>3,041,240</b> [13] A1</p> <p>[51] Int.Cl. A61B 18/04 (2006.01) A61B 18/00 (2006.01) A61B 18/12 (2006.01)</p> <p>[25] EN</p> <p>[54] METHODS AND SYSTEMS FOR ULTRASONIC VESSEL SEALING</p> <p>[54] METHODES ET SYSTEMES D'ETANCHEISATION DE RECIPIENT PAR ULTRASONS</p> <p>[72] GOODMAN, KELLY E., US</p> <p>[71] COVIDIEN LP, US</p> <p>[22] 2019-04-25</p> <p>[41] 2019-11-30</p> <p>[30] US (16/391,635) 2019-04-23</p> <p>[30] US (62/678,724) 2018-05-31</p>		

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<p style="text-align: right; margin-top: -10px;"><b>[21] 3,041,428</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B64D 11/00 (2006.01) F21S 4/22 (2016.01) B60Q 3/30 (2017.01) B60Q 3/41 (2017.01) B64D 47/02 (2006.01) G09F 19/00 (2006.01)</p> <p>[25] EN</p> <p>[54] APPARATUS, SYSTEM, AND METHOD FOR A STOWAGE BIN LIGHTING INTERFACE</p> <p>[54] APPAREIL, SYSTEME ET METHODE D'INTERFACE D'ECLAIRAGE DE BAC DE RANGEMENT</p> <p>[72] CYSEWSKI, SEAN R., US</p> <p>[71] THE BOEING COMPANY, US</p> <p>[22] 2019-04-25</p> <p>[41] 2019-11-30</p> <p>[30] US (15/993,207) 2018-05-30</p>	<p style="text-align: right; margin-top: -10px;"><b>[21] 3,041,537</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. G01S 19/07 (2010.01)</p> <p>[25] EN</p> <p>[54] SYSTEM AND METHOD FOR TRANSFORMING ATMOSPHERIC CORRECTIONS BETWEEN CORRECTION SYSTEMS</p> <p>[54] SYSTEME ET METHODE DE TRANSFORMATION DE CORRECTIONS ATMOSPHERIQUES ENTRE DES SYSTEMES DE CORRECTION</p> <p>[72] JOKINEN, ALTTI SAMULI, CA</p> <p>[71] NOVATEL INC., CA</p> <p>[22] 2019-04-29</p> <p>[41] 2019-11-30</p> <p>[30] US (15/994,533) 2018-05-31</p>	<p style="text-align: right; margin-top: -10px;"><b>[21] 3,042,599</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A01C 5/06 (2006.01) A01B 63/24 (2006.01) A01C 7/08 (2006.01) A01C 7/20 (2006.01)</p> <p>[25] EN</p> <p>[54] SEED PLANTING UNIT OF AN AGRICULTURAL IMPLEMENT</p> <p>[54] UNITE DE PLANTATION DE SEMENCES D'UN OUTIL AGRICOLE</p> <p>[72] CHAHLEY, DENNIS W., CA</p> <p>[72] WRIGHT, JARED S., CA</p> <p>[71] CNH INDUSTRIAL CANADA, LTD., CA</p> <p>[22] 2019-05-08</p> <p>[41] 2019-11-24</p> <p>[30] US (15/988,204) 2018-05-24</p>
<p style="text-align: right; margin-top: -10px;"><b>[21] 3,041,497</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. G02C 7/06 (2006.01)</p> <p>[25] EN</p> <p>[54] OPHTHALMIC LENS COMPRISING LENSLETS FOR PREVENTING AND/OR SLOWING MYOPIA PROGRESSION</p> <p>[54] LENTILLES OPHTALMIQUES COMPORANT DES MICROLENTILLES SERVANT A PREVENIR ET/OU RALENТИR LA PROGRESSION DE LA MYOPIE</p> <p>[72] LAU, MANWAI CHARIS, US</p> <p>[72] BRENNAN, NOEL, US</p> <p>[72] CHEHAB, KHALED, US</p> <p>[72] CHENG, XU, US</p> <p>[72] COLLINS, MICHAEL, AU</p> <p>[72] DAVIS, BRETT, AU</p> <p>[72] YI, FAN, AU</p> <p>[72] RITCHHEY, ERIC R., US</p> <p>[71] JOHNSON &amp; JOHNSON VISION CARE, INC., US</p> <p>[22] 2019-04-29</p> <p>[41] 2019-11-30</p> <p>[30] US (15/992,487) 2018-05-30</p>	<p style="text-align: right; margin-top: -10px;"><b>[21] 3,041,899</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B62D 55/07 (2006.01) B60S 11/00 (2006.01) B62D 55/08 (2006.01) B65G 7/12 (2006.01)</p> <p>[25] EN</p> <p>[54] SNOWMOBILE LIFT APPARATUS</p> <p>[54] APPAREIL DE LEVAGE D'UNE MOTONEIGE</p> <p>[72] FRAKER, RANDALL VINCENT, US</p> <p>[71] FRAKER, RANDALL VINCENT, US</p> <p>[22] 2019-04-30</p> <p>[41] 2019-11-25</p> <p>[30] US (15/990,402) 2018-05-25</p>	<p style="text-align: right; margin-top: -10px;"><b>[21] 3,042,603</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A01C 7/20 (2006.01) A01C 7/08 (2006.01) A01C 15/04 (2006.01)</p> <p>[25] EN</p> <p>[54] DROP CHUTE DEFLECTOR FOR ENHANCING ENTRAINMENT OF GRANULAR PRODUCT IN AN AIRSTREAM OF AN AGRICULTURAL PRODUCT APPLICATOR</p> <p>[54] DEFLECTEUR DE CONDUIT DE CHUTE POUR AMELIORER L'ENTRAINEMENT D'UN PRODUIT GRANULAIRE DANS UN FLUX D'AIR D'UN APPLICATEUR DE PRODUIT AGRICOLE</p> <p>[72] DENIS, JOEL, CA</p> <p>[72] ROBERGE, RYAN C., CA</p> <p>[72] ROBERGE, MARTIN J., CA</p> <p>[71] CNH INDUSTRIAL CANADA, LTD., CA</p> <p>[22] 2019-05-08</p> <p>[41] 2019-11-24</p> <p>[30] US (15/988,187) 2018-05-24</p>
<p style="text-align: right; margin-top: -10px;"><b>[21] 3,042,209</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B01F 15/00 (2006.01) A01K 5/00 (2006.01) A01K 5/02 (2006.01) B01F 7/00 (2006.01)</p> <p>[25] EN</p> <p>[54] ADVANCED CONTROL SYSTEM FOR A LIVESTOCK FEED MIXER</p> <p>[54] SYSTEME DE CONTROLE AVANCE D'UN MELANGEUR D'ALIMENTS DE BETAIL</p> <p>[72] ROWNTREE, BRYAN, US</p> <p>[72] ZIMMERMAN, RODNEY, US</p> <p>[72] WEPNER, AARON, US</p> <p>[72] HOFFMAN, THOMAS J., US</p> <p>[71] KUHN NORTH AMERICA, INC., US</p> <p>[22] 2019-05-03</p> <p>[41] 2019-11-30</p> <p>[30] US (15/994,610) 2018-05-31</p>		

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[21] **3,042,616**  
 [13] A1

[51] Int.Cl. C11D 17/00 (2006.01) B05B 1/02 (2006.01) B08B 3/08 (2006.01) C11D 1/00 (2006.01) C11D 3/00 (2006.01) C11D 3/37 (2006.01)  
 [25] EN  
 [54] SPRAY CONTAINER COMPRISING A DETERGENT COMPOSITION  
 [54] CONTENANT PULVERISATEUR COMPRENANT UNE COMPOSITION DETERGENTE  
 [72] AHIRWAL, DEEPAK, BE  
 [72] GUILLAUMIN, CHRISTOPHE MATTIAS, BE  
 [72] HOEFTE, PAULUS ANTONIUS AUGUSTINUS, BE  
 [72] TINLIN, JAMES ROBERT, BE  
 [71] THE PROCTER & GAMBLE COMPANY, US  
 [22] 2019-05-08  
 [41] 2019-11-24  
 [30] EP (18174021.8) 2018-05-24

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[21] **3,042,807**  
 [13] A1

[51] Int.Cl. B05B 9/04 (2006.01) B08B 3/08 (2006.01) B65D 47/06 (2006.01) C11D 1/00 (2006.01) C11D 3/37 (2006.01) C11D 3/43 (2006.01) C11D 3/60 (2006.01) C11D 17/00 (2006.01)  
 [25] EN  
 [54] SPRAY CONTAINER COMPRISING A DETERGENT COMPOSITION  
 [54] CONTENANT PULVERISATEUR COMPRENANT UNE COMPOSITION DETERGENTE

[21] **3,043,097**  
 [13] A1

[51] Int.Cl. B08B 3/08 (2006.01) B05B 1/00 (2006.01) C11D 1/72 (2006.01) C11D 1/75 (2006.01) C11D 17/00 (2006.01)  
 [25] EN  
 [54] FINE MIST HARD SURFACE CLEANING SPRAY  
 [54] VAPORISATEUR DE NETTOYAGE DE SURFACE DURE A FINE BRUME  
 [72] AHIRWAL, DEEPAK, BE  
 [72] HOEFTE, PAULUS ANTONIUS AUGUSTINUS, BE  
 [72] JEAN, CINDY, BE  
 [72] VOLONT, CEDRIC JOSEPH, BE  
 [71] THE PROCTER & GAMBLE COMPANY, US  
 [22] 2019-05-13  
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 [30] EP (18174029.1) 2018-05-24  
 [30] EP (19159867.1) 2019-02-28

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[51] Int.Cl. F16L 33/12 (2006.01) F16B 2/20 (2006.01) F16L 33/03 (2006.01)  
 [25] EN  
 [54] ARRANGEMENT INSERTED IN SPRING CLAMP WITH TENSION RETAINING CLIP  
 [54] AGENCEMENT INSERE DANS UNE PINCE A RESSORT AVEC PINCE DE MAINTIEN EN TENSION  
 [72] VIEIRA DE CAMPOS, MARCO ANTONIO, BR  
 [72] VIVIAN, RAFAEL VINICIUS, BR  
 [71] PROGERAL INDUSTRIA DE ARTEFATOS PLASTICOS LTDA, BR  
 [22] 2019-05-09  
 [41] 2019-11-24  
 [30] BR (20 2018 10581-2) 2018-05-24

[21] **3,043,095**  
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[51] Int.Cl. F25B 5/02 (2006.01) F25B 49/02 (2006.01)  
 [25] EN  
 [54] COOLING SYSTEM  
 [54] SYSTEME DE REFROIDISSEMENT  
 [72] ZHA, SHITONG, US  
 [71] HEATCRAFT REFRIGERATION PRODUCTS LLC, US  
 [22] 2019-05-13  
 [41] 2019-11-30  
 [30] US (15/994,245) 2018-05-31

[21] **3,043,190**  
 [13] A1

[51] Int.Cl. B29C 70/30 (2006.01) C08J 5/04 (2006.01)  
 [25] EN  
 [54] COMPOSITE COMPONENTS  
 [54] COMPOSANTS DE COMPOSITE  
 [72] BERNARD, JAMES WILLIAM, GB  
 [72] LIDDEL, PAUL DANIEL, GB  
 [71] CROMPTON TECHNOLOGY GROUP LIMITED, GB  
 [22] 2019-05-13  
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<p>[51] Int.Cl. A47J 42/50 (2006.01) A47J 31/40 (2006.01) A47J 31/42 (2006.01) A47J 42/40 (2006.01)</p> <p>[25] EN</p> <p>[54] APPARATUS FOR LOADING A PORTAFILTER OF AN ESPRESSO COFFEE MACHINE WITH A DOSE OF GROUND COFFEE HAVING A PREDETERMINED WEIGHT AND COMPOSED OF DIFFERENT TYPES OF COFFEE, ACCORDING TO A GIVEN RECIPE</p> <p>[54] APPAREIL DE CHARGEMENT D'UN PORTE-FILTRE D'UNE MACHINE A ESPRESSO COMPORTANT UNE DOSE DE CAFE MOULU AYANT UN POIDS PREDETERMINE ET COMPORTANT DIFFERENTS TYPES DE CAFE, CONFORMEMENT A UNE RECETTE DONNEE</p> <p>[72] ABBIATI, GIACOMO, IT</p> <p>[71] GRUPPO CIMBALI S.P.A., IT</p> <p>[22] 2019-05-14</p> <p>[41] 2019-11-28</p> <p>[30] IT (10201800005774) 2018-05-28</p>	<p>[51] Int.Cl. F02C 7/36 (2006.01) F01D 21/14 (2006.01)</p> <p>[25] EN</p> <p>[54] GAS TURBINE ENGINE WITH FAIL-SAFE SHAFT SCHEME</p> <p>[54] MOTEUR DE TURBINE A GAZ EQUIPE D'UN ARRANGEMENT D'ARBRE INFAILLBLE</p> <p>[72] ENGEL, CHADD D., US</p> <p>[72] RIEHLE, BRADFORD J., US</p> <p>[71] ROLLS-ROYCE CORPORATION, US</p> <p>[22] 2019-05-16</p> <p>[41] 2019-11-30</p> <p>[30] US (15/994480) 2018-05-31</p>	<p>[51] Int.Cl. F16M 3/00 (2006.01) B67D 7/84 (2010.01) B65D 85/68 (2006.01) B65D 90/00 (2006.01)</p> <p>[25] EN</p> <p>[54] PUMP PACKAGE FRAME</p> <p>[54] CADRE DE MONTAGE DE POMPE</p> <p>[72] GASH, MALCOLM, AE</p> <p>[71] WESTERN GLOBAL HOLDINGS LIMITED, GB</p> <p>[22] 2019-05-17</p> <p>[41] 2019-11-24</p> <p>[30] GB (1808562.1) 2018-05-24</p>
[21] 3,043,568	[21] 3,043,701	[21] 3,043,746
[13] A1	[13] A1	[13] A1
<p>[51] Int.Cl. A01B 71/00 (2006.01) A01C 15/00 (2006.01) A01M 9/00 (2006.01) G01M 13/00 (2019.01)</p> <p>[25] EN</p> <p>[54] PLUGGED SPRAYER/SPREADER DETECTION USING ELECTROMAGNETIC RADIATION</p> <p>[54] DETECTION DE PULVERISATEUR/EPANDEUR OBSTRE PAR RAYONNEMENT ELECTROMAGNETIQUE</p> <p>[72] BHARATIYA, PARESH, IN</p> <p>[72] SIVAJI, RAJA, IN</p> <p>[71] DEERE &amp; COMPANY, US</p> <p>[22] 2019-05-16</p> <p>[41] 2019-11-24</p> <p>[30] US (15/988,186) 2018-05-24</p> <p>[30] US (16/401,628) 2019-05-02</p>	<p>[51] Int.Cl. G06F 13/14 (2006.01) G06F 21/85 (2013.01) G06F 13/10 (2006.01)</p> <p>[25] EN</p> <p>[54] CONNECTION DEVIVE RESTRICTION SYSTEM</p> <p>[54] SYSTEME DE RESTRICTION DE DISPOSITIF DE CONNEXION</p> <p>[72] OKAMOTO, TATSUYA, JP</p> <p>[72] KAMEDA, TAKAYUKI, JP</p> <p>[72] TOMOZAWA, RYUUTAROU, JP</p> <p>[71] HITACHI, LTD., JP</p> <p>[22] 2019-05-17</p> <p>[41] 2019-11-30</p> <p>[30] JP (2018-104284) 2018-05-31</p>	<p>[51] Int.Cl. G09B 9/04 (2006.01) G02B 27/01 (2006.01)</p> <p>[25] EN</p> <p>[54] HEAVY EQUIPMENT SIMULATION SYSTEM AND METHODS OF OPERATING SAME</p> <p>[54] SYSTEME DE SIMULATION D'EQUIPEMENT LOURD ET METHODES D'EXPLOITATION ASSOCIEES</p> <p>[72] PITTMAN, ANDREW, US</p> <p>[71] CSE SOFTWARE INC., US</p> <p>[22] 2019-05-17</p> <p>[41] 2019-11-29</p> <p>[30] US (62/677,345) 2018-05-29</p> <p>[30] US (16/408,990) 2019-05-10</p>
[21] 3,043,724	[21] 3,043,819	[21] 3,043,819
[13] A1	[13] A1	[13] A1
<p>[51] Int.Cl. B23P 6/00 (2006.01) B29C 73/02 (2006.01) F01D 9/04 (2006.01) F01D 11/12 (2006.01)</p> <p>[25] EN</p> <p>[54] IN SITU ENGINE COMPONENT REPAIR</p> <p>[54] REPARATION DE COMPOSANTS DE MOTEUR IN SITU</p> <p>[72] DIWINSKY, DAVID SCOTT, US</p> <p>[72] ROBERTS, HERBERT CHIDSEY, US</p> <p>[71] GENERAL ELECTRIC COMPANY, US</p> <p>[22] 2019-05-17</p> <p>[41] 2019-11-24</p> <p>[30] US (15/988,708) 2018-05-24</p>	<p>[51] Int.Cl. F27D 19/00 (2006.01) C22B 9/16 (2006.01) F27B 3/28 (2006.01) F27B 7/42 (2006.01)</p> <p>[25] EN</p> <p>[54] SYSTEM AND METHOD OF OPERATING A BATCH MELTING FURNACE</p> <p>[54] SYSTEME ET METHODE D'EXPLOITATION D'UN FOUR DE FUSION DISCONTINUE</p> <p>[72] GANGOLI, SHAILESH PRADEEP, US</p> <p>[72] GUHA, AVISHEK, US</p> <p>[72] GUPTA, ANSHU, US</p> <p>[72] HENDERSHOT, REED JACOB, US</p> <p>[72] GALLAGHER, MICHAEL J., US</p> <p>[72] LAWRENCE, MARTIN, US</p> <p>[72] TLAMICHA, PETR, US</p> <p>[71] AIR PRODUCTS AND CHEMICALS, INC., US</p> <p>[22] 2019-05-21</p> <p>[41] 2019-11-25</p> <p>[30] US (15/989,945) 2018-05-25</p>	

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  - [25] EN
  - [54] METHOD FOR CLEANING OPTICAL COMPONENT AND CLEANING APPARATUS
  - [54] PROCEDE DE NETTOYAGE DE COMPOSANT OPTIQUE ET APPAREIL DE NETTOYAGE
  - [72] TANAKA, TOSHIYUKI, JP
  - [72] OYAMA, SATOSHI, JP
  - [72] MATSUO, KAZUHIDE, JP
  - [72] MIYASAKA, SHINICHI, JP
  - [71] HONDA MOTOR CO., LTD., JP
  - [22] 2019-05-21
  - [41] 2019-11-24
  - [30] JP (2018-099316) 2018-05-24
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- [51] Int.Cl. A61B 18/00 (2006.01) A61B 18/14 (2006.01) A61M 25/00 (2006.01) H05B 1/02 (2006.01)
- [25] EN
- [54] IMPROVED HEAT TRANSFER THROUGH A CATHETER TIP
- [54] TRANSFERT THERMIQUE AMELIORE PAR UNE POINTE DE CATHETER
- [72] BEECKLER, CHRISTOPHER THOMAS, IL
- [72] KEYES, JOSEPH THOMAS, IL
- [72] GOVARI, ASSAF, IL
- [72] ULTCHIN, YIGAL, IL
- [72] BAR-TAL, MEIR, IL
- [71] BIOSENSE WEBSTER (ISRAEL) LTD., IL
- [22] 2019-05-22
- [41] 2019-11-25
- [30] US (15/990,532) 2018-05-25

[21] **3,043,903**  
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- [51] Int.Cl. C11D 1/72 (2006.01) B08B 3/08 (2006.01) B65D 83/14 (2006.01) C11D 1/722 (2006.01) C11D 17/00 (2006.01)
  - [25] EN
  - [54] SPRAY CONTAINER COMPRISING A DETERGENT COMPOSITION
  - [54] CONTENANT PULVERISATEUR COMPRENANT UNE COMPOSITION DETERGENTE
  - [72] BODET, JEAN-FRANCOIS, BE
  - [72] GONZALES, DENIS ALFRED, BE
  - [72] HOEFT, PAULUS ANTONIUS AUGUSTINUS, BE
  - [72] JEAN, CINDY, BE
  - [72] KACZEROWSKA, OLGA BARBARA, BE
  - [72] CUILLERET, MURIEL, BE
  - [72] PERDIGON, VALARIE, BE
  - [71] THE PROCTER & GAMBLE COMPANY, US
  - [22] 2019-05-21
  - [41] 2019-11-24
  - [30] EP (18174033.3) 2018-05-24
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- [25] EN
- [54] CATHETER LOCALIZATION USING CURRENT LOCATION COMBINED WITH MAGNETIC-FIELD SENSING
- [54] LOCALISATION DE CATHETER A PARTIR DE L'EMPLACEMENT COURANT ET D'UN DETECTEUR DE CHAMP MAGNETIQUE
- [72] LUDWIN, DORON MOSHE, IL
- [72] FLEISHON, GAL, IL
- [72] BAR-TAL, MEIR, IL
- [72] COHN, GOREN, IL
- [72] SCHECHTER, MENACHEM, IL
- [72] OSADCHY, DANIEL, IL
- [71] BIOSENSE WEBSTER (ISRAEL) LTD., IL
- [22] 2019-05-22
- [41] 2019-11-29
- [30] US (15/991,141) 2018-05-29

[21] **3,043,922**  
 [13] A1

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  - [25] EN
  - [54] OPTIMIZING RESPONSE CREATION AND DELIVERY FOR LENDING QUERIES
  - [54] OPTIMISATION DE CREATION DE REPONSE ET DISTRIBUTION DESTINEE A DES DEMANDES DE PRET
  - [72] CRABLE, FREDRICK A., US
  - [71] CAPITAL ONE SERVICES, LLC, US
  - [22] 2019-05-22
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  - [30] US (15/991,719) 2018-05-29
  - [30] US (16/378,269) 2019-04-08
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 [13] A1

- [51] Int.Cl. E01H 5/02 (2006.01)
- [25] EN
- [54] MANUAL SNOW SHOVEL WITH SNOW COMPRESSION MEANS FOR GRAVITATIONALLY AIDED UNLOADING

[54] PELLE A NEIGE MANUELLE COMPORANT UN MECANISME DE COMPRESSION DE LA NEIGE DESTINE AU DECHARGEMENT AIDE PAR LA GRAVITE

- [72] ANDREAS, GREGORY S., CA
  - [71] ANDREAS, GREGORY S., CA
  - [22] 2019-05-22
  - [41] 2019-11-30
  - [30] US (15993099) 2018-05-30
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[21] **3,044,005**  
 [13] A1

- [51] Int.Cl. F25B 43/02 (2006.01) F16N 29/02 (2006.01) F25B 9/00 (2006.01) F25B 49/02 (2006.01) C09K 5/04 (2006.01)
- [25] EN
- [54] REFRIGERATION SYSTEM WITH OIL CONTROL SYSTEM
- [54] SYSTEME DE REFRIGERATION AVEC SYSTEME DE COMMANDE D'HUILE
- [72] CHRISTENSEN, KIM G., DK
- [71] HILL PHOENIX, INC., US
- [22] 2019-05-22
- [41] 2019-11-24
- [30] US (62/675,868) 2018-05-24

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 [25] EN  
 [54] ROBOTIC ARM ASSEMBLY  
 [54] ASSEMBLAGE DE BRAS ROBOTIQUE  
 [72] GRAHAM, ANDREW CRISPIN, GB  
 [71] GENERAL ELECTRIC COMPANY, US  
 [22] 2019-05-22  
 [41] 2019-11-29  
 [30] US (15/991,019) 2018-05-29

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[21] **3,044,029**  
 [13] A1

[51] Int.Cl. G06Q 20/38 (2012.01) G06Q 20/30 (2012.01) G07B 15/02 (2011.01)  
 [25] EN  
 [54] A SECURE ELEMENT TO PROTECT TRANSACTIONS MADE BY OR WITHIN A VEHICLE  
 [54] ELEMENT SECURISE POUR PROTEGER LES TRANSACTIONS EFFECTUEES PAR OU DANS UN VEHICULE  
 [72] KOEPPEL, ADAM, US  
 [72] LOCKE, TYLER, US  
 [72] PERRY, ROBERT, US  
 [71] CAPITAL ONE SERVICES, LLC, US  
 [22] 2019-05-22  
 [41] 2019-11-24  
 [30] US (15/988631) 2018-05-24

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[21] **3,044,036**  
 [13] A1

[51] Int.Cl. B25J 18/00 (2006.01) B25J 17/00 (2006.01) B25J 18/06 (2006.01)  
 [25] EN  
 [54] ROBOTIC ARM ASSEMBLY CONSTRUCTION  
 [54] CONSTRUCTION D'ASSEMBLAGE DE BRAS ROBOTIQUE  
 [72] GRAHAM, ANDREW CRISPIN, GB  
 [72] CURLE, JASON, GB  
 [72] HAWKE, TREVOR, GB  
 [71] GENERAL ELECTRIC COMPANY, US  
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 [41] 2019-11-29  
 [30] US (15/991,053) 2018-05-29

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 [13] A1

[51] Int.Cl. B32B 27/32 (2006.01) A47K 5/12 (2006.01) B32B 1/08 (2006.01) B32B 7/10 (2006.01) B32B 27/08 (2006.01) B65D 30/02 (2006.01) B65D 30/26 (2006.01) C11D 17/08 (2006.01)  
 [25] EN  
 [54] CO-EXTRUDED MULTILAYER TUBE FOR USE IN FORMING FLEXIBLE BAGS  
 [54] TUBE MULTICOUCHE COEXTRUDE DESTINE A FORMER DES SACS FLEXIBLES  
 [72] OPHARDT, HEINER, CH  
 [72] MIRBACH, ALI, DE  
 [72] GEURTS, PATRICK, NL  
 [71] OP-HYGIENE IP GMBH, CH  
 [22] 2019-05-22  
 [41] 2019-11-25  
 [30] US (62/676,631) 2018-05-25

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 [13] A1

[51] Int.Cl. B62D 57/02 (2006.01)  
 [25] EN  
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 [54] DEAMBULATEUR NON LINEAIRE  
 [72] SMITH, HARLAN B., US  
 [72] SMITH, SHAWN, R., US  
 [72] ROSS, JASON, US  
 [72] ROUSE, RAFFE, US  
 [71] ENTRO INDUSTRIES, INC., US  
 [22] 2019-05-23  
 [41] 2019-11-30  
 [30] US (16/414,444) 2019-05-16  
 [30] US (62/678,872) 2018-05-31  
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[51] Int.Cl. C11D 3/44 (2006.01) B05B 1/02 (2006.01) B08B 3/08 (2006.01) B65D 85/00 (2006.01) C11D 1/00 (2006.01) C11D 17/00 (2006.01)  
 [25] EN  
 [54] SPRAY CONTAINER COMPRISING A DETERGENT COMPOSITION  
 [54] CONTENANT PULVERISATEUR COMPRENANT UNE COMPOSITION DETERGENTE  
 [72] AHIRWAL, DEEPAK, BE  
 [72] GONZALES, DENIS ALFRED, BE  
 [72] HOEFT, PAULUS ANTONIUS AUGUSTINUS, BE  
 [72] JEAN, CINDY, BE  
 [72] CUILLERET, MURIEL, FR  
 [72] PERDIGON, VALARIE, FR  
 [71] THE PROCTER & GAMBLE COMPANY, US  
 [22] 2019-05-23  
 [41] 2019-11-24  
 [30] EP (18174018.4) 2018-05-24

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 [13] A1

[51] Int.Cl. F16L 11/12 (2006.01) B64D 11/02 (2006.01) F16L 11/08 (2006.01) H05B 3/58 (2006.01)  
 [25] EN  
 [54] FLEXIBLE HEATED HOSE ASSEMBLY WITH PRINTED POSITIVE TEMPERATURE CO-EFFICIENT HEATER  
 [54] ENSEMBLE TUYAU FLEXIBLE CHAUFFANT AVEC ELEMENT CHAUFFANT COEFFICIENT A TEMPERATURE POSITIVE IMPRIMEE  
 [72] VENKATARAMU, RAGHAVENDRA HASSAN, IN  
 [72] PATIL, RHUSHIKESH, IN  
 [72] BAMBILA, GURURAJA, IN  
 [72] KRISHNAPPA, ARUNA KUMAR HULUVANGALA, IN  
 [71] GOODRICH CORPORATION, US  
 [22] 2019-05-22  
 [41] 2019-11-24  
 [30] IN (201811019525) 2018-05-24

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**November 24, 2019 to November 30, 2019**

<p>[21] <b>3,044,130</b>  [13] A1</p> <p>[51] Int.Cl. B64D 35/00 (2006.01) F16H 1/28 (2006.01) F16H 1/48 (2006.01)  F16H 55/02 (2006.01) F16H 57/08 (2006.01)</p> <p>[25] EN</p> <p>[54] PLANETARY GEARBOX HAVING COMPLIANT JOURNAL BEARINGS</p> <p>[54] ENGRENAGE PLANETAIRE AYANT DES PALIERS LISSES CONFORMES</p> <p>[72] SAVARIA, VINCENT, CA</p> <p>[72] DESJARDINS, MICHEL, CA</p> <p>[71] PRATT &amp; WHITNEY CANADA CORP., CA</p> <p>[22] 2019-05-22</p> <p>[41] 2019-11-25</p> <p>[30] US (62/676,614) 2018-05-25</p> <p>[30] US (16/196,447) 2018-11-20</p>	<p>[21] <b>3,044,152</b>  [13] A1</p> <p>[51] Int.Cl. C12N 5/04 (2006.01) A01H 6/20 (2018.01) A01H 1/00 (2006.01)  A01H 5/00 (2018.01) A01H 5/10 (2018.01)</p> <p>[25] EN</p> <p>[54] BRASSICA CARINATA PRODUCING SEED WITH REDUCED GLUCOSINOLATE CONTENT</p> <p>[54] BRASSICA CARINATA PRODUISANT DES SEMENCES A TENEUR REDUITE EN GLUCOSINOLATE</p> <p>[72] BENNETT, RICK, CA</p> <p>[71] AGRISOMA BIOSCIENCES INC., CA</p> <p>[22] 2019-05-23</p> <p>[41] 2019-11-29</p> <p>[30] US (62/677241) 2018-05-29</p> <p>[30] US (62/677243) 2018-05-29</p> <p>[30] US (62/677244) 2018-05-29</p> <p>[30] US (62/677250) 2018-05-29</p>	<p>[21] <b>3,044,159</b>  [13] A1</p> <p>[51] Int.Cl. B60T 7/10 (2006.01) B62D 1/00 (2006.01) B62D 1/12 (2006.01)</p> <p>[25] EN</p> <p>[54] STEERING DEVICE AND CARGO HANDLING VEHICLE</p> <p>[54] DISPOSITIF DE DIRECTION ET VEHICULE DE MANUTENTION DE MARCHANDISE</p> <p>[72] YOSHIOKA, MASAHIRO, JP</p> <p>[72] SANO, TAKUYA, JP</p> <p>[71] MITSUBISHI LOGISNEXT CO., LTD., JP</p> <p>[22] 2019-05-23</p> <p>[41] 2019-11-28</p> <p>[30] JP (2018-101487) 2018-05-28</p>
<p>[21] <b>3,044,148</b>  [13] A1</p> <p>[51] Int.Cl. H05K 5/03 (2006.01)</p> <p>[25] EN</p> <p>[54] QUICK RELEASE CHASSIS COVER</p> <p>[54] COUVRE-CHASSIS A RACCORD RAPIDE</p> <p>[72] VERA, JULIO CESAR AYALA, MX</p> <p>[72] RIVAS, OSWALDO ENRIQUE LINARES, MX</p> <p>[72] INDA, CARLOS GONZALEZ, MX</p> <p>[72] CANSECO, SERGIO ANTONIO DELON, MX</p> <p>[72] MORENZO, LUIS LOPEZ, MX</p> <p>[71] ARRIS ENTERPRISES LLC, US</p> <p>[22] 2019-05-23</p> <p>[41] 2019-11-29</p> <p>[30] US (15/992,171) 2018-05-29</p>	<p>[21] <b>3,044,154</b>  [13] A1</p> <p>[51] Int.Cl. B60N 2/28 (2006.01) B60N 2/26 (2006.01)</p> <p>[25] EN</p> <p>[54] SUPPORT BASE FOR A CHILD SAFETY SEAT</p> <p>[54] BASE DE SUPPORT POUR UN SIEGE DE SECURITE POUR ENFANT</p> <p>[72] HARMES, CLYDE S. V., US</p> <p>[72] ANDERSON, ROBERT S., US</p> <p>[72] HARTENSTINE, CURTIS M., US</p> <p>[71] WONDERLAND SWITZERLAND AG, CH</p> <p>[22] 2019-05-22</p> <p>[41] 2019-11-24</p> <p>[30] US (62/675970) 2018-05-24</p>	<p>[21] <b>3,044,160</b>  [13] A1</p> <p>[51] Int.Cl. B66F 9/075 (2006.01) B62D 1/18 (2006.01)</p> <p>[25] EN</p> <p>[54] STEERING DEVICE AND CARGO HANDLING VEHICLE</p> <p>[54] DISPOSITIF DE DIRECTION ET VEHICULE DE MANUTENTION DE MARCHANDISE</p> <p>[72] YOSHIOKA, MASAHIRO, JP</p> <p>[72] SANO, TAKUYA, JP</p> <p>[71] MITSUBISHI LOGISNEXT CO., LTD., JP</p> <p>[22] 2019-05-23</p> <p>[41] 2019-11-28</p> <p>[30] JP (2018-101487) 2018-05-28</p>
		<p>[21] <b>3,044,179</b>  [13] A1</p> <p>[51] Int.Cl. A61B 5/053 (2006.01) A61B 5/042 (2006.01) A61B 18/12 (2006.01)</p> <p>[25] EN</p> <p>[54] TOUCH DETECTION BASED ON FREQUENCY RESPONSE OF TISSUE</p> <p>[54] DETECTION TACTILE FONDEE SUR LA REPONSE EN FREQUENCE D'UN TISSU</p> <p>[72] GOVARI, ASSAF, IL</p> <p>[71] BIOSENSE WEBSTER (ISRAEL), LTD., IL</p> <p>[22] 2019-05-24</p> <p>[41] 2019-11-29</p> <p>[30] US (15/991,291) 2018-05-29</p>

**Demandes canadiennes mises à la disponibilité du public**  
**24 novembre 2019 au 30 novembre 2019**

<p style="text-align: right;"><b>[21] 3,044,180</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A61B 17/12 (2006.01) A61F 2/95 (2013.01) A61F 2/90 (2013.01)</p> <p>[25] EN</p> <p>[54] ANEURYSM DEVICE AND DELIVERY SYSTEM</p> <p>[54] DISPOSITIF DESTINE A UN ANEVRISME ET SYSTEME DE DISTRIBUTION</p> <p>[72] GOROCHOW, LACEY, US</p> <p>[72] SOTODELVALLE, ARIEL, US</p> <p>[72] LORENZO, JUAN, US</p> <p>[71] DEPUY SYNTHES PRODUCTS, INC., US</p> <p>[22] 2019-05-24</p> <p>[41] 2019-11-25</p> <p>[30] US (15/989,725) 2018-05-25</p>	<p style="text-align: right;"><b>[21] 3,044,185</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. G06F 16/955 (2019.01) G06F 21/00 (2013.01) H04L 12/16 (2006.01)</p> <p>[25] EN</p> <p>[54] SYSTEM AND METHOD FOR SHARING SECURED THIRD-PARTY CONTENT</p> <p>[54] SYSTEME ET PROCEDE DE PARTAGE DE CONTENU DE TIERCE PARTIE SECURISE</p> <p>[72] HILLS, MATT, CA</p> <p>[72] DAVIES, STEPHEN, CA</p> <p>[71] 9643672 CANADA INC., CA</p> <p>[22] 2019-05-24</p> <p>[41] 2019-11-24</p> <p>[30] US (62/675,948) 2018-05-24</p>	<p style="text-align: right;"><b>[21] 3,044,204</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B65D 41/48 (2006.01) A47G 19/26 (2006.01) B65D 43/06 (2006.01) B65D 47/08 (2006.01) B65D 47/36 (2006.01)</p> <p>[25] EN</p> <p>[54] DRINK LID FOR A CUP</p> <p>[54] COUVERCLE DESTINE A UNE TASSE</p> <p>[72] LAYOS, AARON, US</p> <p>[72] LI, CHENGTAO, US</p> <p>[72] BRUBAKER, ROBERT, US</p> <p>[72] PURCELL, JACOB, US</p> <p>[72] GARZA, DEAN, US</p> <p>[71] DART CONTAINER CORPORATION, US</p> <p>[22] 2019-05-24</p> <p>[41] 2019-11-25</p> <p>[30] US (62/676,378) 2018-05-25</p>
<p style="text-align: right;"><b>[21] 3,044,182</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A61M 25/10 (2013.01) A61B 34/20 (2016.01) A61B 5/042 (2006.01) A61B 18/14 (2006.01) A61M 25/095 (2006.01)</p> <p>[25] EN</p> <p>[54] ENHANCED LARGE-DIAMETER BALLOON CATHETER</p> <p>[54] CATHETER-BALLOON AMELIORE A GRAND DIAMETRE</p> <p>[72] GOVARI, ASSAF, IL</p> <p>[72] BEECKLER, CHRISTOPHER THOMAS, IL</p> <p>[72] KEYES, JOSEPH THOMAS, IL</p> <p>[72] HERRERA, KEVIN JUSTIN, IL</p> <p>[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL</p> <p>[22] 2019-05-24</p> <p>[41] 2019-11-30</p> <p>[30] US (15/993,471) 2018-05-30</p>	<p style="text-align: right;"><b>[21] 3,044,197</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A61B 17/12 (2006.01) A61F 2/90 (2013.01)</p> <p>[25] EN</p> <p>[54] ANEURYSM DEVICE AND DELIVERY SYSTEM</p> <p>[54] DISPOSITIF DESTINE A UN ANEVRISME ET SYSTEME DE DISTRIBUTION</p> <p>[72] GOROCHOW, LACEY, US</p> <p>[72] SOTODELVALLE, ARIEL, US</p> <p>[72] LORENZO, JUAN, US</p> <p>[71] DEPUY SYNTHES PRODUCTS, INC., US</p> <p>[22] 2019-05-24</p> <p>[41] 2019-11-30</p> <p>[30] US (15/993,903) 2018-05-31</p>	<p style="text-align: right;"><b>[21] 3,044,207</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B07B 13/16 (2006.01) B07B 11/04 (2006.01) B07B 11/06 (2006.01) B07B 13/18 (2006.01)</p> <p>[25] EN</p> <p>[54] CLASSIFIER APPARATUS, SYSTEMS AND METHODS</p> <p>[54] APPAREILS, SYSTEMES ET METHODES DE CLASSEMENT</p> <p>[72] BENNINGTON, JOHN, US</p> <p>[72] SQUIRES, FRANK, US</p> <p>[71] SUPERIOR INDUSTRIES, INC., US</p> <p>[22] 2019-05-24</p> <p>[41] 2019-11-25</p> <p>[30] US (62/676517) 2018-05-25</p>
<p style="text-align: right;"><b>[21] 3,044,183</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. G06Q 40/04 (2012.01)</p> <p>[25] EN</p> <p>[54] SYSTEMS AND METHODS FOR QUANTITATIVE ORDER ROUTING</p> <p>[54] SYSTEMES ET PROCEDES POUR ACHEMINEMENT DE COMMANDE QUANTITATIVE</p> <p>[72] WALKER, BOSTON, CA</p> <p>[72] MUDASSIR, SHARY, CA</p> <p>[72] YE, MENG, CA</p> <p>[71] ROYAL BANK OF CANADA, CA</p> <p>[22] 2019-05-24</p> <p>[41] 2019-11-24</p> <p>[30] US (62/676,084) 2018-05-24</p>	<p style="text-align: right;"><b>[21] 3,044,202</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A61M 15/00 (2006.01) A61M 16/06 (2006.01)</p> <p>[25] EN</p> <p>[54] EXPANDABLE SPACERS, VALVED HOLDING CHAMBERS AND FACE MASKS FOR INHALERS</p> <p>[54] ESPACEURS EXTENSIBLES, CHAMBRES DE RETENUE A VANNE ET MASQUES FACIAUX DESTINES A DES INHALATEURS</p> <p>[72] TAGHAVI, PEDRAM P.T., CA</p> <p>[72] AZIMI, SHAHAB S.A., CA</p> <p>[72] ARZANPOUR, SIAMAK S.A., CA</p> <p>[71] TAGHAVI, PEDRAM P.T., CA</p> <p>[71] AZIMI, SHAHAB S.A., CA</p> <p>[71] ARZANPOUR, SIAMAK S.A., CA</p> <p>[22] 2019-05-24</p> <p>[41] 2019-11-28</p> <p>[30] US (62/677,063) 2018-05-28</p>	<p style="text-align: right;"><b>[21] 3,044,208</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. E06C 1/14 (2006.01) E06C 1/383 (2006.01)</p> <p>[25] EN</p> <p>[54] MULTIPURPOSE LADDER AND METHOD</p> <p>[54] ECHELLE MULTIUSAGE ET METHODE</p> <p>[72] LENTINE, TEK, US</p> <p>[72] PARKER, THOMAS, US</p> <p>[72] BADOWSKI, CLINT, US</p> <p>[72] HLEBOVY, JAMES, US</p> <p>[71] WERNER CO., US</p> <p>[22] 2019-05-24</p> <p>[41] 2019-11-29</p> <p>[30] US (62/677,443) 2018-05-29</p> <p>[30] US (16/412,014) 2019-05-14</p>

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[21] **3,044,213**

[13] A1

[51] Int.Cl. B29C 43/32 (2006.01)

[25] EN

**[54] MATCHED COMPRESSION DIE APPARATUS**

[54] APPAREIL DE MATRICE DE COMPRESSION ASSOCIEE

[72] LEBLANC, RUSS RAYNAL, US

[72] PILLAR, ANDREW ANTHONY, US

[72] MCINELLY, CHRIS GREN, US

[71] THE BOEING COMPANY, US

[22] 2019-05-23

[41] 2019-11-30

[30] US (15/992465) 2018-05-30

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[21] **3,044,229**

[13] A1

[51] Int.Cl. F02K 1/76 (2006.01) B64D 33/00 (2006.01) F02K 1/54 (2006.01)

[25] EN

**[54] THRUST REVERSER ACTUATION SYSTEM**

[54] SYSTEME D'ACTIONNEMENT D'INVERSEUR DE POUSSEE

[72] MORGAN, ANTONY, GB

[71] GOODRICH ACTUATION SYSTEMS LIMITED, GB

[22] 2019-05-23

[41] 2019-11-25

[30] EP (18275070.3) 2018-05-25

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[21] **3,044,233**

[13] A1

[51] Int.Cl. H04W 24/04 (2009.01) H04B 17/309 (2015.01) H04W 76/16 (2018.01) H04W 76/28 (2018.01)

[25] EN

**[54] PROGNOSIS AND GRACEFUL DEGRADATION OF WIRELESS AIRCRAFT NETWORKS**

[54] PRONOSTIC ET DEGRADATION PROGRESSIVE DE RESEAUX D'AERONEFS SANS FIL

[72] SHRESHTHI, MAHADEVANNA, IN

[72] DAS, SUBHRA KANTI, IN

[72] SIVARAMASA STRY, ADISHESHA CHINKYAKANHALLI, IN

[71] ROSEMOUNT AEROSPACE INC., US

[22] 2019-05-23

[41] 2019-11-24

[30] IN (201811019526) 2018-05-24

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[21] **3,044,281**

[13] A1

[51] Int.Cl. A61B 5/0476 (2006.01) G06N 20/00 (2019.01) G06K 9/62 (2006.01)

[25] EN

**[54] SYSTEM AND METHOD FOR GENERATING VISUAL IDENTITY AND CATEGORY RECONSTRUCTION FROM ELECTROENCEPHALOGRAPHY (EEG) SIGNALS**

[54] SYSTEME ET METHODE DE GENERATION D'UNE IDENTITE VISUELLE ET RECONSTRUCTION PAR CATEGORIE A PARTIR DE SIGNAUX D'ELECTROENCEPHALOGRAPHIE (EEG)

[72] NESTOR, ADRIAN RAZVAN, CA

[72] NEMRODOV, DAN, CA

[71] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA

[22] 2019-05-27

[41] 2019-11-28

[30] US (62/677,138) 2018-05-28

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[21] **3,044,286**

[13] A1

[51] Int.Cl. A47F 5/08 (2006.01)

[25] EN

**[54] TRAY ACCESSORY AND TRAY WITH MOUNTING STRUCTURE**

[54] ACCESSOIRE DE PLATEAU ET PLATEAU COMPORTANT UNE STRUCTURE D'INSTALLATION

[72] WILLS, MATTHEW, US

[72] PADVOISKIS, JULIA, US

[71] RETAIL SPACE SOLUTIONS LLC, US

[22] 2019-05-24

[41] 2019-11-25

[30] US (62/803,989) 2019-02-11

[30] US (62/676,759) 2018-05-25

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[21] **3,044,293**

[13] A1

[51] Int.Cl. B06B 1/16 (2006.01) B07B 1/30 (2006.01)

[25] EN

**[54] MECHANICALLY ADJUSTABLE VIBRATORY DRIVE SYSTEM**

[54] SYSTEME D'ENTRAINEMENT VIBRATOIRE AJUSTABLE

MECANIQUEMENT

[72] MURPHY, GLENN, GB

[71] TEREX GB LIMITED, GB

[22] 2019-05-24

[41] 2019-11-28

[30] GB (1808690.0) 2018-05-28

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[21] **3,044,312**

[13] A1

[51] Int.Cl. A61G 7/10 (2006.01)

[25] EN

**[54] SLING FOR USE IN MOVING PERSONS WITH LIMITED MOBILITY**

[54] ELINGUE DESTINEE A DEPLACER DES PERSONNES A MOBILITE REDUITE

[72] WRIGHT, DONALD W., CA

[71] WRIGHT, DONALD W., CA

[22] 2019-05-27

[41] 2019-11-28

[30] CA (3006323) 2018-05-28

[30] US (62/677300) 2018-05-29

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[21] **3,044,321**

[13] A1

[51] Int.Cl. B25F 3/00 (2006.01) B25B 21/00 (2006.01) B25B 23/08 (2006.01)

[25] EN

**[54] FASTENER INSTALLATION TOOLS, SYSTEMS, AND METHODS**

[54] OUTILS, SYSTEMES ET METHODES D'INSTALLATION DE FIXATION

[72] TILLINGHAST, ADAM, US

[72] HALE, TROY, US

[71] SIMPSON STRONG-TIE COMPANY INC., US

[22] 2019-05-24

[41] 2019-11-29

[30] US (15/991,099) 2018-05-29

**Demandes canadiennes mises à la disponibilité du public**  
**24 novembre 2019 au 30 novembre 2019**

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[21] 3,044,324
[13] A1
[51] Int.Cl. A01N 43/90 (2006.01) A01N 25/10 (2006.01) A01N 25/26 (2006.01) A01P 13/00 (2006.01)
[25] EN
[54] BEAD COMPOSITIONS FOR AQUATIC WEED CONTROL
[54] COMPOSITION DE BILLE DESTINEE AU CONTROLE DES MAUVAISES HERBES AQUATIQUES
[72] JADHAV, PRAKASH MAHADEO, US
[72] SKORCZYNSKI, STEPHEN, US
[72] SHROFF, JAIDEV RAJNIKANT, AE
[72] SHROFF, VIKRAM RAJNIKANT, AE
[71] UPL LTD, IN
[22] 2019-05-24
[41] 2019-11-25
[30] IN (201831019644) 2018-05-25

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[21] 3,044,327
[13] A1
[51] Int.Cl. G06N 20/00 (2019.01) G06Q 40/04 (2012.01)
[25] EN
[54] TRADE PLATFORM WITH REINFORCEMENT LEARNING NETWORK AND MATCHING ENGINE
[54] PLATEFORME D'ECHANGE DOTEÉ D'UN RESEAU D'APPRENTISSAGE PAR RENFORCEMENT ET D'UN MOTEUR CONCORDANT
[72] BURHANI, HASHAM, CA
[72] LONG, ZICHANG, CA
[72] CUPILLARI, JONATHAN, CA
[71] ROYAL BANK OF CANADA, CA
[22] 2019-05-27
[41] 2019-11-25
[30] US (62/676,707) 2018-05-25

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[21] 3,044,330
[13] A1
[51] Int.Cl. B23B 27/16 (2006.01)
[25] EN
[54] TOOL SYSTEM
[54] SYSTEME D'OUTIL
[72] HENZLER, UWE, DE
[72] NITSCHE, MICHAEL, DE
[71] CERAMTEC GMBH, DE
[22] 2019-05-24
[41] 2019-11-29
[30] EP (18 174 788.2) 2018-05-29

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[21] 3,044,331
[13] A1
[51] Int.Cl. B62B 5/02 (2006.01) B62D 61/12 (2006.01)
[25] FR
[54] ASSISTANCE DEVICE TO MANUALLY RAISE OR LOWER A LOAD TO OVERCOME OBSTACLES, AND LOAD INCLUDING SUCH A DEVICE
[54] DISPOSITIF D'AIDE AU FRANCHISSEMENT D'OBSTACLES POUR ELEVER OU ABAISSE MANUELLEMENT UNE CHARGE, ET CHARGE COMPRENANT UN TEL DISPOSITIF
[72] MAZZOLINI, ARTURO, FR
[72] DESRIAC MAZZOLINI, SYLVIE, FR
[72] MAZZOLINI, CAMILLE, FR
[72] MAZZOLINI, JUSTINE, FR
[72] MAZZOLINI, LISA, FR
[71] MAZZOLINI, ARTURO, FR
[71] DESRIAC MAZZOLINI, SYLVIE, FR
[71] MAZZOLINI, CAMILLE, FR
[71] MAZZOLINI, JUSTINE, FR
[71] MAZZOLINI, LISA, FR
[22] 2019-05-24
[41] 2019-11-29
[30] FR (18 54 556) 2018-05-29

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[21] 3,044,369
[13] A1
[51] Int.Cl. E06B 7/16 (2006.01) B23P 19/00 (2006.01) E04G 21/00 (2006.01)
[25] EN
[54] SYSTEM AND METHOD FOR INSTALLING SEALS ON SUPPORT FRAMES
[54] SYSTEME ET METHODE D'INSTALLATION DE JOINTS SUR DES CADRES DE SUPPORT
[72] LEVESQUE, RENE, CA
[71] 9320-2240 QUEBEC INC., CA
[22] 2019-05-28
[41] 2019-11-28
[30] US (62/677,121) 2018-05-28

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[21] 3,044,400
[13] A1
[51] Int.Cl. E21B 47/18 (2012.01)
[25] EN
[54] BOREHOLE COMMUNICATION USING VIBRATION FREQUENCY
[54] COMMUNICATION DE TROU DE FORAGE EMPLOYANT LA FREQUENCE DE VIBRATION
[72] HOHL, ANDREAS, US
[72] EMMERICH, WOJCIECH, US
[71] BAKER HUGHES, A GE COMPANY, LLC, US
[22] 2019-05-28
[41] 2019-11-29
[30] US (62/67712) 2018-05-29
[30] US (16/417856) 2019-05-21

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[21] 3,044,410
[13] A1
[51] Int.Cl. H04W 4/50 (2018.01) G05B 19/042 (2006.01) H04L 12/28 (2006.01)
[25] EN
[54] WIRELESSLY CONFIGURABLE AND NETWORKED SYSTEM FOR BUILDING AUTOMATION
[54] SYSTEME RESEAUTE ET CONFIGURABLE SANS FIL DESTINE A L'AUTOMATISATION D'UN BATIMENT
[72] MORLEY, MICHAEL, US
[72] HAGHAYEGHI, BABAK, US
[72] SWEENEY, KYLE, US
[71] SCHNEIDER ELECTRIC BUILDINGS, LLC, US
[22] 2019-05-27
[41] 2019-11-25
[30] US (62/676,297) 2018-05-25

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[21] 3,044,417
[13] A1
[51] Int.Cl. B65H 75/02 (2006.01)
[25] EN
[54] TRACEABLE CABLE DRUM AND KIT FOR TRACEABLE CABLE DRUM
[54] TAMBOUR DE CABLE TRACABLE ET TROSSE DE TAMBOUR DE CABLE TRACABLE
[72] ABBIATI, FABIO, IT
[72] FASSONE, DAVIDE, IT
[72] ARENA, ANTONINO, IT
[71] PRYSMIAN S.P.A., IT
[22] 2019-05-28
[41] 2019-11-30
[30] IT (102018000005845) 2018-05-30

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[21] **3,044,427**  
 [13] A1  
 [51] Int.Cl. G01N 22/04 (2006.01) D21F  
 7/00 (2006.01) D21G 9/00 (2006.01)  
 [25] EN  
 [54] METHOD AND APPARATUS OF  
 MEASURING PROPERTIES OF A  
 MOVING SHEET  
 [54] METHODE ET APPAREIL DE  
 MESURE DES PROPRIETES  
 D'UNE FEUILLE EN  
 MOUVEMENT  
 [72] MANTYLA, MARKKU, FI  
 [72] GRAEFFE, JUSSI, FI  
 [72] JAKKULA, PEKKA, FI  
 [71] VALMET AUTOMATION OY, FI  
 [22] 2019-05-28  
 [41] 2019-11-30  
 [30] FI (20185490) 2018-05-30

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[21] **3,044,449**  
 [13] A1  
 [51] Int.Cl. B65D 30/24 (2006.01) B65D  
 33/38 (2006.01) B65D 47/20 (2006.01)  
 B65D 77/06 (2006.01) B67D 3/00  
 (2006.01)  
 [25] EN  
 [54] A FOOD GRADE DISPOSABLE  
 CONTAINER WITH A ONE  
 OUNCE (1 OZ.) OR ONE-AND-  
 HALF OUNCE (1.5 OZ.) TAP FOR  
 POURING ALCOHOL WITH A  
 COUNTERTOP DISPENSING  
 STAND DEVICE, SYSTEM, AND  
 METHOD  
 [54] UN CONTENANT ALIMENTAIRE  
 JETABLE COMPORTANT UN  
 ROBINET D'UNE ONCE (1 OZ) OU  
 UNE ONCE ET DEMIE (1,5 OZ)  
 SERVANT A VERSER DE  
 L'ALCOOL COMPORTANT UN  
 DISPOSITIF DE SUPPORT DE  
 DISTRIBUTION DE DESSUS DE  
 COMPTOIR, SYSTEME ET  
 METHODE  
 [72] NEELIN, PAUL, CA  
 [72] HOPE, DIANE, CA  
 [71] BIAB HOLDINGS INC., CA  
 [22] 2019-05-28  
 [41] 2019-11-28  
 [30] US (62677104) 2018-05-28

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[21] **3,044,455**  
 [13] A1  
 [51] Int.Cl. F16K 31/68 (2006.01) E21B  
 34/06 (2006.01) E21B 34/14 (2006.01)  
 E21B 43/24 (2006.01) F16T 1/00  
 (2006.01)  
 [25] EN  
 [54] AUTONOMOUS VALVE, SYSTEM,  
 AND METHOD  
 [54] VANNE AUTONOME, SYSTEME  
 ET METHODE  
 [72] STOLBOUSHKIN, EUGENE, US  
 [72] HAMMER, AARON C., US  
 [71] BAKER HUGHES, A GE COMPANY,  
 LLC, US  
 [22] 2019-05-28  
 [41] 2019-11-30  
 [30] US (15/994697) 2018-05-31

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[21] **3,044,468**  
 [13] A1  
 [51] Int.Cl. E01H 5/06 (2006.01) E01H  
 5/10 (2006.01)  
 [25] EN  
 [54] METHOD AND SNOW REMOVAL  
 BLADE FOR THE REMOVAL OF  
 SNOW FROM A ROAD SURFACE  
 [54] METHODE ET LAME  
 D'ENLEVEMENT DE LA NEIGE  
 DESTINEES A L'ENLEVEMENT  
 DE LA NEIGE D'UNE SURFACE  
 DE ROUTE  
 [72] GILETTA, ENZO, IT  
 [71] GILETTA S.P.A., IT  
 [22] 2019-05-27  
 [41] 2019-11-25  
 [30] IT (102018000005730) 2018-05-25

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[21] **3,044,475**  
 [13] A1  
 [51] Int.Cl. G02B 27/18 (2006.01) G02B  
 27/48 (2006.01) H01S 5/00 (2006.01)  
 [25] EN  
 [54] SPECKLE REDUCED LASER  
 PROJECTION WITH COLOR  
 GAMUT OPTIMIZATION  
 [54] PROJECTION LASER A  
 CHATOIEMENT REDUIT ET  
 OPTIMISATION DE GAMME DE  
 COULEURS  
 [72] MA, QIANLI, CA  
 [72] XU, CHANG-QING, CA  
 [71] MCMASTER UNIVERSITY, CA  
 [22] 2019-05-28  
 [41] 2019-11-28  
 [30] US (62/677,124) 2018-05-28

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[21] **3,044,561**  
 [13] A1  
 [51] Int.Cl. G06Q 10/08 (2012.01) H01H  
 3/12 (2006.01) H01H 9/16 (2006.01)  
 [25] EN  
 [54] RESTOCKING HUB WITH  
 INTERCHANGEABLE BUTTONS  
 MAPPED TO ITEM IDENTIFIERS  
 [54] POLE DE  
 REAPPROVISIONNEMENT DOTE  
 DE BOUTONS  
 INTERCHANGEABLES LIES AUX  
 IDENTIFIANTS D'ARTICLE  
 [72] WALKER, M. STEVEN, US  
 [72] SONONE, RANJEET, US  
 [72] MASUD, FAISAL, US  
 [71] STAPLES, INC., US  
 [22] 2019-05-29  
 [41] 2019-11-29  
 [30] US (62/677664) 2018-05-29  
 [30] US (16/425,363) 2019-05-29

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[21] **3,044,566**  
 [13] A1  
 [51] Int.Cl. G06F 3/0484 (2013.01) G06Q  
 30/06 (2012.01) G06F 3/0481 (2013.01)  
 [25] EN  
 [54] INTELLIGENT ITEM  
 REORDERING USING AN  
 ADAPTABLE MOBILE  
 GRAPHICAL USER INTERFACE  
 [54] REAPPROVISIONNEMENT  
 D'ARTICLE INTELLIGENT AU  
 MOYEN D'UNE INTERFACE  
 UTILISATEUR GRAPHIQUE  
 MOBILE ADAPTABLE  
 [72] WALKER, M. STEVEN, US  
 [72] SONONE, RANJEET, US  
 [72] MASUD, FAISAL, US  
 [71] STAPLES, INC., US  
 [22] 2019-05-29  
 [41] 2019-11-29  
 [30] US (62/677664) 2018-05-29  
 [30] US (16/425,413) 2019-05-29

**Demandes canadiennes mises à la disponibilité du public**  
**24 novembre 2019 au 30 novembre 2019**

<p>[21] <b>3,044,578</b>  [13] A1</p> <p>[51] Int.Cl. H04W 76/15 (2018.01) H04W 4/38 (2018.01) G01D 4/02 (2006.01) G01F 15/06 (2006.01)</p> <p>[25] EN</p> <p>[54] <b>SELECTION AND USE OF DIFFERENT WIRELESS NETWORKS BY METER READING DEVICES</b></p> <p>[54] <b>SELECTION ET UTILISATION DE DIFFERENTS RESEAUX SANS FIL PAR DES DISPOSITIFS LECTEURS DE COMPTEUR</b></p> <p>[72] BRUNSON, CHARLES P., IV, US</p> <p>[72] WORKS, GLOICE DEAN, III, US</p> <p>[72] REED, ROBERT DALE, US</p> <p>[71] NEPTUNE TECHNOLOGY GROUP INC., US</p> <p>[22] 2019-05-28</p> <p>[41] 2019-11-30</p> <p>[30] US (15/992,629) 2018-05-30</p>	<p>[21] <b>3,044,596</b>  [13] A1</p> <p>[51] Int.Cl. H01L 31/0224 (2006.01) H02S 20/25 (2014.01) H02S 40/30 (2014.01)</p> <p>[25] EN</p> <p>[54] <b>SOLAR CELL AND SOLAR CELL MODULE</b></p> <p>[54] <b>PILE SOLAIRE ET MODULE DE PILE SOLAIRE</b></p> <p>[72] XU, JIE, CN</p> <p>[72] XIA, ZHENGYUE, CN</p> <p>[72] YAN, XINCHUN, CN</p> <p>[72] XING, GUOQIANG, CN</p> <p>[71] CSI SOLAR POWER GROUP CO., LTD., CN</p> <p>[71] CANADIAN SOLAR SOLUTIONS INC., CA</p> <p>[22] 2019-05-29</p> <p>[41] 2019-11-30</p> <p>[30] CN (201820816890.7) 2018-05-30</p>	<p>[21] <b>3,044,626</b>  [13] A1</p> <p>[51] Int.Cl. B62D 37/02 (2006.01) B62D 35/00 (2006.01)</p> <p>[25] EN</p> <p>[54] <b>REMOTE OPTICAL WIND DETECTION AND AERODYNAMIC CONTROL SYSTEM FOR GROUND VEHICLE</b></p> <p>[54] <b>DETECTION OPTIQUE DE VENT A DISTANCE ET SYSTEME DE CONTROLE AERODYNAMIQUE D'UN VEHICULE AU SOL</b></p> <p>[72] DAMON, KENNETH H., US</p> <p>[72] SMITH, JEFFREY P., US</p> <p>[72] ELLIS, CLIFTON, US</p> <p>[71] PACCAR INC, US</p> <p>[22] 2019-05-29</p> <p>[41] 2019-11-30</p> <p>[30] US (15/993421) 2018-05-30</p>
<p>[21] <b>3,044,595</b>  [13] A1</p> <p>[51] Int.Cl. H02S 40/30 (2014.01) H02S 20/25 (2014.01) H02S 40/36 (2014.01) E04D 1/00 (2006.01) E04D 13/18 (2018.01)</p> <p>[25] EN</p> <p>[54] <b>SOLAR MODULE</b></p> <p>[54] <b>MODULE SOLAIRE</b></p> <p>[72] XU, JIE, CN</p> <p>[72] XIA, ZHENGYUE, CN</p> <p>[72] YAN, XINCHUN, CN</p> <p>[72] XING, GUOQIANG, CN</p> <p>[71] CSI SOLAR POWER GROUP CO., LTD., CN</p> <p>[71] CANADIAN SOLAR SOLUTIONS INC., CA</p> <p>[22] 2019-05-29</p> <p>[41] 2019-11-30</p> <p>[30] CN (201820819159.X) 2018-05-30</p>	<p>[21] <b>3,044,604</b>  [13] A1</p> <p>[51] Int.Cl. G01C 19/00 (2013.01) G01B 13/08 (2006.01) G01B 13/18 (2006.01) G01D 11/30 (2006.01) G01D 21/00 (2006.01)</p> <p>[25] EN</p> <p>[54] <b>A MOUNT ASSEMBLY, A SYSTEM AND METHOD FOR COLLECTING FLUID CONDUIT DATA</b></p> <p>[54] <b>UN ASSEMBLAGE D'INSTALLATION, UN SYSTEME ET UNE METHODE DE COLLECTE DE DONNEES DE CONDUIT DE FLUIDE</b></p> <p>[72] VAN POL, ANOUK, CA</p> <p>[72] VAN POL, JOHANNES HUBERTUS GERARDUS, CA</p> <p>[72] BOGERMAN, HUIBERT AREN, NL</p> <p>[71] INGU SOLUTIONS INC., CA</p> <p>[22] 2019-05-29</p> <p>[41] 2019-11-29</p> <p>[30] US (62/677,455) 2018-05-29</p>	<p>[21] <b>3,044,631</b>  [13] A1</p> <p>[51] Int.Cl. G06N 20/00 (2019.01) G06F 17/27 (2006.01)</p> <p>[25] EN</p> <p>[54] <b>PROCESSING SYSTEM PERFORMING DYNAMIC TRAINING RESPONSE OUTPUT GENERATION CONTROL</b></p> <p>[54] <b>SYSTEME DE TRAITEMENT EXECUTANT UN CONTROLE DE GENERATION DE SORTIE EN REPONSE A UNE FORMATION DYNAMIQUE</b></p> <p>[72] TILLOTSON, TIFFANY, US</p> <p>[72] SCHREIER, ELIZABETH, US</p> <p>[71] ALLSTATE INSURANCE COMPANY, US</p> <p>[22] 2019-05-29</p> <p>[41] 2019-11-30</p> <p>[30] US (15/992,403) 2018-05-30</p>
		<p>[21] <b>3,044,648</b>  [13] A1</p> <p>[51] Int.Cl. B65B 1/02 (2006.01) B65B 1/04 (2006.01)</p> <p>[25] EN</p> <p>[54] <b>BAG FILLING AND DISCHARGE SYSTEM</b></p> <p>[54] <b>SYSTEME DE DECHARGE ET REMPLISSAGE DE SAC</b></p> <p>[72] THOMSON, DENNIS, CA</p> <p>[71] THOMSON, DENNIS, CA</p> <p>[22] 2019-05-29</p> <p>[41] 2019-11-30</p> <p>[30] US (62678893) 2018-05-31</p>

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**November 24, 2019 to November 30, 2019**

<p style="text-align: right;">[21] <b>3,044,651</b>  [13] A1</p> <p>[51] Int.Cl. F24F 11/56 (2018.01) F24F 11/54 (2018.01)  [25] EN  [54] ENVIRONMENT CONTROL SYSTEM FOR CONTROLLING ENVIRONMENTAL CONDITIONS IN A BUILDING  [54] SYSTEME DE CONTROLE DE L'ENVIRONNEMENT SERVANT A CONTROLER LES CONDITIONS ENVIRONNEMENTALES DANS UN BATIMENT  [72] GAGNON, DOMINIC, CA  [72] CHRETIEN, ARTHUR, FR  [72] LEGAULT, MARC, CA  [71] DISTECH CONTROLS INC, CA  [22] 2019-05-29  [41] 2019-11-30  [30] US (15/992,686) 2018-05-30</p>	<p style="text-align: right;">[21] <b>3,044,710</b>  [13] A1</p> <p>[51] Int.Cl. G06Q 10/08 (2012.01) G16H 20/13 (2018.01) A61J 7/00 (2006.01) B65B 5/10 (2006.01) B65G 47/14 (2006.01)  [25] EN  [54] METHODS AND SYSTEMS FOR AUTOMATED PHARMACEUTICAL CONTAINER SORTING  [54] METHODES ET SYSTEMES DE TRI AUTOMATISE DE PRODUITS PHARMACEUTIQUES  [72] HOFFMAN, ROBERT E., US  [71] EXPRESS SCRIPTS STRATEGIC DEVELOPMENT, INC., US  [22] 2019-05-29  [41] 2019-11-29  [30] US (62/677,213) 2018-05-29  [30] US (16/423,752) 2019-05-28</p>	<p style="text-align: right;">[21] <b>3,044,750</b>  [13] A1</p> <p>[51] Int.Cl. C11D 17/06 (2006.01)  [25] EN  [54] DRYER SHEETS COMPRISING BRANCHED POLYESTER POLYMERS  [54] ASSOPLISSANT EN FEUILLE RENFERMANT DES POLYMERES DE POLYESTER RAMIFIES  [72] PANANDIKER, RAJAN KESHAV, US  [72] KLUESENER, BERNARD WILLIAM, US  [72] DORIA, HEATHER ANNE, US  [71] THE PROCTER &amp; GAMBLE COMPANY, US  [22] 2019-05-30  [41] 2019-11-30  [30] US (62/677,705) 2018-05-30</p>
<p style="text-align: right;">[21] <b>3,044,689</b>  [13] A1</p> <p>[51] Int.Cl. G06F 17/00 (2019.01) G06F 8/00 (2018.01) G06F 9/44 (2018.01)  [25] EN  [54] ATTRIBUTE SHARING PLATFORM FOR DATA PROCESSING SYSTEMS  [54] PLATEFORME DE PARTAGE D'ATTRIBUT DESTINEE A DES SYSTEMES DE TRAITEMENT DE DONNEES  [72] GUPTA, SAURABH, US  [71] CAPITAL ONE SERVICES, LLC, US  [22] 2019-05-30  [41] 2019-11-30  [30] US (15/994787) 2018-05-31</p>	<p style="text-align: right;">[21] <b>3,044,749</b>  [13] A1</p> <p>[51] Int.Cl. B62D 9/00 (2006.01) B62K 5/01 (2013.01) B62K 21/00 (2006.01)  [25] EN  [54] REAR STEERING ASSEMBLY FOR A VEHICLE  [54] ENSEMBLE DE DIRECTION ARRIERE DESTINE A UN VEHICULE  [72] DE GRAMMONT, CHRISTIAN, CA  [72] GUILLEMETTE, JEAN, CA  [72] DESJARDINS-GOULET, MAXIME, CA  [72] BOISVERT, MAXIME, CA  [71] BOMBARDIER RECREATIONAL PRODUCTS INC., CA  [22] 2019-05-30  [41] 2019-11-30  [30] US (62/678,931) 2018-05-31</p>	<p style="text-align: right;">[21] <b>3,044,751</b>  [13] A1</p> <p>[51] Int.Cl. A63B 69/00 (2006.01)  [25] EN  [54] MODULAR TRAINING DEVICE  [54] DISPOSITIF D'ENTRAINEMENT MODULAIRE  [72] WAFFENSMITH, JEFF, US  [71] OMNITOOL, INC., US  [22] 2019-05-30  [41] 2019-11-30  [30] US (62/677837) 2018-05-30</p>
<p style="text-align: right;">[21] <b>3,044,776</b>  [13] A1</p> <p>[51] Int.Cl. B62D 6/02 (2006.01) B60W 30/045 (2012.01) B60F 5/00 (2006.01) B62D 6/00 (2006.01) B62D 9/00 (2006.01) B62D 15/00 (2006.01)  [25] EN  [54] REAR STEERING ASSEMBLY FOR A VEHICLE  [54] ENSEMBLE DE DIRECTION ARRIERE DESTINE A UN VEHICULE  [72] DE GRAMMONT, CHRISTIAN, CA  [72] BOISVERT, MAXIME, CA  [72] DESJARDINS-GOULET, MAXIME, CA  [71] BOMBARDIER RECREATIONAL PRODUCTS INC., CA  [22] 2019-05-30  [41] 2019-11-30  [30] US (62/678,933) 2018-05-31</p>		

**Demandes canadiennes mises à la disponibilité du public**  
**24 novembre 2019 au 30 novembre 2019**

<p style="text-align: right; margin-top: -10px;"><b>[21] 3,044,781</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. G06N 3/08 (2006.01) G06Q 40/04 (2012.01)</p> <p>[25] EN</p> <p>[54] TRADE PLATFORM WITH REINFORCEMENT LEARNING</p> <p>[54] PLATEFORME D'ECHANGE DOTÉE D'APPRENTISSAGE PAR RENFORCEMENT</p> <p>[72] BURHANI, HASHAM, CA</p> <p>[72] MUDASSIR, SHARY, CA</p> <p>[72] SHI, XIAO QI, CA</p> <p>[72] LAWLESS, CONNOR, CA</p> <p>[71] ROYAL BANK OF CANADA, CA</p> <p>[22] 2019-05-30</p> <p>[41] 2019-11-30</p> <p>[30] US (62/677,733) 2018-05-30</p>	<p style="text-align: right; margin-top: -10px;"><b>[21] 3,044,816</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. E21B 19/06 (2006.01)</p> <p>[25] EN</p> <p>[54] TUBULAR LIFT RING</p> <p>[54] BAGUE DE LEVAGE DE TUBULAIRE</p> <p>[72] HAGGART, STEVEN, CA</p> <p>[71] PRO TORQUE CONNECTION TECHNOLOGIES LTD., CA</p> <p>[22] 2019-05-31</p> <p>[41] 2019-11-30</p> <p>[30] US (62/678,294) 2018-05-31</p>	<p style="text-align: right; margin-top: -10px;"><b>[21] 3,044,919</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. G05B 19/042 (2006.01) F04B 37/10 (2006.01) F04B 49/06 (2006.01) H04W 4/14 (2009.01) A01G 23/10 (2006.01)</p> <p>[25] EN</p> <p>[54] REMOTE MONITORING SYSTEM</p> <p>[54] SYSTEMES DE SURVEILLANCE À DISTANCE</p> <p>[72] REILLY, DOUGLAS L., US</p> <p>[72] DEBOSSU, JOHN C., US</p> <p>[72] MEDWIN, LAWRENCE B., US</p> <p>[71] THE BOSWORTH COMPANY, US</p> <p>[22] 2019-05-30</p> <p>[41] 2019-11-30</p> <p>[30] US (62/678,633) 2018-05-31</p>
<p style="text-align: right; margin-top: -10px;"><b>[21] 3,044,784</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B23Q 3/06 (2006.01)</p> <p>[25] EN</p> <p>[54] METHOD AND APPARATUS FOR SECURING OBJECTS TO A WORK SURFACE</p> <p>[54] METHODE ET APPAREIL DE FIXATION D'OBJETS À UNE SURFACE DE TRAVAIL</p> <p>[72] ENGERON, MICHAEL G., US</p> <p>[71] ENGERON, MICHAEL G., US</p> <p>[22] 2019-05-30</p> <p>[41] 2019-11-30</p> <p>[30] US (62/678,652) 2018-05-31</p> <p>[30] US (16/424,823) 2019-05-29</p>	<p style="text-align: right; margin-top: -10px;"><b>[21] 3,044,820</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. G08B 21/02 (2006.01) H04W 4/30 (2018.01) A42B 3/04 (2006.01) A42B 3/30 (2006.01) G01L 5/00 (2006.01) G08B 7/00 (2006.01)</p> <p>[25] EN</p> <p>[54] COLLISION AVOIDANCE APPARATUS</p> <p>[54] APPAREIL D'EVITEMENT DE COLLISION</p> <p>[72] GIAMPIETRO, RICK, US</p> <p>[72] HARVEY, JEFFREY TODD, US</p> <p>[71] GIAMPIETRO, RICK, US</p> <p>[71] HARVEY, JEFFREY TODD, US</p> <p>[22] 2019-05-30</p> <p>[41] 2019-11-30</p> <p>[30] US (62/678070) 2018-05-30</p>	<p style="text-align: right; margin-top: -10px;"><b>[21] 3,044,939</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. E05B 65/08 (2006.01)</p> <p>[25] EN</p> <p>[54] HEAVY-DUTY JAMB LATCH FOR SLIDING BUILDING DOORS</p> <p>[54] VERROU DE MONTANT ROUSTE DESTINE AUX PORTES COUSSIANTES DE BATIMENT</p> <p>[72] NESTOR, PATRICK MICHAEL, US</p> <p>[72] RAMSTACK, PHILIP LLOYD, US</p> <p>[72] OSMAN, JAY EDWARD, US</p> <p>[72] KUPKA, KEVIN AUGUST, US</p> <p>[72] GRANADOS RAYA, NORMA GABRIELA, US</p> <p>[71] METAL WORKS, INC. D/B/A MWI COMPONENTS, US</p> <p>[22] 2019-05-30</p> <p>[41] 2019-11-30</p> <p>[30] US (15/994,701) 2018-05-31</p>
<p style="text-align: right; margin-top: -10px;"><b>[21] 3,044,791</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B64C 25/34 (2006.01)</p> <p>[25] EN</p> <p>[54] LANDING GEAR ASSEMBLY</p> <p>[54] DISPOSITIF DE TRAIN D'ATTERRISSAGE</p> <p>[72] BENNETT, IAN ROBERT, GB</p> <p>[71] SAFRAN LANDING SYSTEMS UK LIMITED, GB</p> <p>[22] 2019-05-29</p> <p>[41] 2019-11-30</p> <p>[30] EP (18175143.9) 2018-05-30</p>	<p style="text-align: right; margin-top: -10px;"><b>[21] 3,044,870</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. C10L 3/10 (2006.01)</p> <p>[25] EN</p> <p>[54] USE OF AMINALS TO REMOVE ACID GASES FROM FLUID GAS STREAMS</p> <p>[54] UTILISATION DES ANIMAUX POUR RETIRER DES GAZ ACIDES DES FLUX DE GAZ FLUIDE</p> <p>[72] BINGHAM, JON, US</p> <p>[72] TREASURE, MARLON O., US</p> <p>[71] FOREMARK PERFORMANCE CHEMICALS, US</p> <p>[22] 2019-05-31</p> <p>[41] 2019-11-30</p> <p>[30] US (62/678,807) 2018-05-31</p>	<p style="text-align: right; margin-top: -10px;"><b>[21] 3,044,945</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A24F 47/00 (2006.01) A24D 1/00 (2006.01)</p> <p>[25] EN</p> <p>[54] HEAT-NOT-BURN CIGARETTES</p> <p>[54] CIGARETTES À CHALEUR SANS FUMÉE</p> <p>[72] ZHAO, XUE, CN</p> <p>[71] ZHAO, XUE, CN</p> <p>[22] 2019-05-30</p> <p>[41] 2019-11-30</p> <p>[30] CN (201810544152.6) 2018-05-31</p> <p>[30] CN (201820828153.9) 2018-05-31</p>

**Canadian Applications Open to Public Inspection**  
**November 24, 2019 to November 30, 2019**

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[21] **3,052,587**

[13] A1

[51] **Int.Cl. B24B 3/54 (2006.01)**

[25] EN

[54] **HANDHELD SHARPENING APPARATUS**

[54] **APPAREIL D'AFFUTAGE MANUEL**

[72] HALL, SIMON S. A. H., NZ

[72] HALL, SIMON S. A. H., NZ

[72] HALL, SIMON S. A. H., NZ

[71] HALL, SIMON S. A. H., NZ

[71] HALL, SIMON S. A. H., NZ

[71] HALL, SIMON S. A. H., NZ

[22] 2019-09-06

[41] 2019-11-29

[30] NZ (746559) 2018-09-21

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[21] **3,055,679**

[13] A1

[51] **Int.Cl. H05B 37/02 (2006.01) H02G 3/08 (2006.01)**

[25] EN

[54] **LIGHTING SYSTEM AND METHOD THEREOF**

[54] **SISTÈME D'ECLAIRAGE ET MÉTHODE ASSOCIEE**

[72] JOHNSON, SHAUN, CA

[71] JOHNSON SYSTEMS INC., CA

[22] 2019-09-17

[41] 2019-11-27

[30] US (62/732,363) 2018-09-17

[30] US (62/732,380) 2018-09-17

[30] WO (PCT/CA2019/051311) 2019-09-16

# PCT Applications Entering the National Phase

## Demandes PCT entrant en phase nationale

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[21] **3,028,116**  
[13] A1

[51] Int.Cl. B25B 27/073 (2006.01) B23G  
5/06 (2006.01)  
[25] EN  
[54] SLEEVE-COMPONENT  
EXTRACTING JIG  
[54] APPAREIL D'EXTRACTION DE  
COMPOSANTE DE MANCHON  
[72] ADACHI, YUTAKA, JP  
[72] II, NORIAKI, JP  
[72] KYOOKA, YOSHITERU, JP  
[71] KYOOKA CO., LTD., JP  
[71] ADACHI, YUTAKA, JP  
[71] II, NORIAKI, JP  
[85] 2018-12-19  
[86] 2018-05-31 (PCT/JP2018/020985)  
[87] (3028116)

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[21] **3,041,617**  
[13] A1

[51] Int.Cl. G06F 21/60 (2013.01) G06F  
16/24 (2019.01) G06F 16/27 (2019.01)  
[25] EN  
[54] SECURING ACCESS TO  
CONFIDENTIAL DATA USING A  
BLOCKCHAIN LEDGER  
[54] SECURISATION D'ACCES A DES  
DONNEES CONFIDENTIELLES  
AU MOYEN D'UNE  
COMPTABILITE DE CHAINE DE  
BLOCS  
[72] NATION, JOEL VINCENT, AU  
[72] RYLES, JAMES PETER GEORGE,  
AU  
[71] ORACLE INTERNATIONAL  
CORPORATION, US  
[85] 2019-04-29  
[86] 2019-04-18 (PCT/US2019/028098)  
[87] (3041617)  
[30] US (15/991,204) 2018-05-29

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[21] **3,045,552**  
[13] A1

[51] Int.Cl. G06F 17/00 (2019.01) G06Q  
20/06 (2012.01) G06Q 40/02 (2012.01)  
G06F 16/27 (2019.01)  
[25] EN  
[54] ASSET TRANSFER METHOD AND  
APPARATUS, AND ELECTRONIC  
DEVICE  
[54] METHODE DE TRANSFERT  
D'ACTIF ET APPAREIL, ET  
DISPOSITIF ELECTRONIQUE  
[72] HU, DANQING, CN  
[72] LIN, SEN, CN  
[72] ZHANG, JUNLIANG, CN  
[71] ALIBABA GROUP HOLDING  
LIMITED, KY  
[85] 2019-06-07  
[86] 2019-05-29 (PCT/US2019/034253)  
[87] (3045552)  
[30] CN (201810533816.9) 2018-05-29

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[21] **3,045,575**  
[13] A1

[51] Int.Cl. G06Q 20/06 (2012.01) G06F  
16/23 (2019.01) G06F 16/27 (2019.01)  
[25] EN  
[54] ASSET TRANSFER REVERSAL  
METHOD AND APPARATUS, AND  
ELECTRONIC DEVICE  
[54] METHODE ET APPAREIL DE  
REVERSEMENT DE  
TRANSFERT D'ACTIF, ET  
DISPOSITIF ELECTRONIQUE  
[72] ZHANG, JUNLIANG, CN  
[72] HU, DANQING, CN  
[72] LIN, SEN, CN  
[71] ALIBABA GROUP HOLDING  
LIMITED, KY  
[85] 2019-06-10  
[86] 2019-05-29 (PCT/US2019/034260)  
[87] (3045575)  
[30] CN (201810535417.6) 2018-05-29

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[21] **3,045,629**  
[13] A1

[51] Int.Cl. G06Q 40/08 (2012.01) G06F  
16/24 (2019.01) G06F 16/27 (2019.01)  
[25] EN  
[54] BLOCKCHAIN-BASED  
COMMODITY CLAIM METHOD  
AND APPARATUS, AND  
ELECTRONIC DEVICE  
[54] METHODE ET APPAREIL DE  
REVENDICATION DE PRODUIT  
FONDE SUR LA CHAINE DE  
BLOCS, ET DISPOSITIF  
ELECTRONIQUE  
[72] HU, DANQING, CN  
[71] ALIBABA GROUP HOLDING  
LIMITED, KY  
[85] 2019-06-10  
[86] 2019-05-29 (PCT/US2019/034262)  
[87] (3045571)  
[30] CN (201810534737.X) 2018-05-29

[51] Int.Cl. G06Q 20/08 (2012.01) G06Q  
20/06 (2012.01) G06F 16/27 (2019.01)  
[25] EN  
[54] ASSET TRANSFER METHOD AND  
APPARATUS, AND ELECTRONIC  
DEVICE  
[54] METHODE ET APPAREIL DE  
TRANSFERT D'ACTIF, ET  
DISPOSITIF ELECTRONIQUE  
[72] HU, DANQING, CN  
[72] LIN, SEN, CN  
[72] ZHANG, JUNLIANG, CN  
[71] ALIBABA GROUP HOLDING  
LIMITED, KY  
[85] 2019-06-10  
[86] 2019-05-29 (PCT/US2019/034251)  
[87] (3045629)  
[30] CN (201810535430.1) 2018-05-29

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[21] 3,045,632

[13] A1

[51] Int.Cl. G06F 16/27 (2019.01) G06Q 20/06 (2012.01) G06Q 40/02 (2012.01)

[25] EN

[54] BLOCKCHAIN ASSET ISSUING AND REDEMPTION METHODS AND APPARATUSES, AND ELECTRONIC DEVICE THEREFORE

[54] METHODES D'EMISSION ET D'ECHANGE D'ACTIF DE CHAINE DE BLOCS ET APPAREILSET DISPOSITIF ELECTRONIQUE ASSOCIES

[72] HU, DANQING, CN

[72] LIN, SEN, CN

[72] ZHANG, JUNLIANG, CN

[71] ALIBABA GROUP HOLDING LIMITED, KY

[85] 2019-06-10

[86] 2019-05-29 (PCT/US2019/034257)

[87] (3045632)

[30] CN (201810534318.6) 2018-05-29

[21] 3,045,725

[13] A1

[51] Int.Cl. G06F 16/21 (2019.01) G06Q 20/06 (2012.01) G06Q 40/02 (2012.01) G06F 16/27 (2019.01)

[25] EN

[54] BLOCKCHAIN TRANSACTION RECONCILIATION METHOD AND APPARATUS, AND ELECTRONIC DEVICE

[54] METHODE ET APPAREIL DE RAPPROCHEMENT DE TRANSACTION DE CHAINE DE BLOCS, ET DISPOSITIF ELECTRONIQUE

[72] HU, DANQING, CN

[72] LIN, SEN, CN

[72] ZHANG, JUNLIANG, CN

[71] ALIBABA GROUP HOLDING LIMITED, KY

[85] 2019-06-10

[86] 2018-05-29 (PCT/US2019/034266)

[87] (3045725)

[30] CN (201810533812.0) 2018-05-29

[21] 3,057,432

[13] A1

[51] Int.Cl. C12N 15/09 (2006.01)

[25] EN

[54] METHOD FOR CONVERTING NUCLEIC ACID SEQUENCE OF CELL SPECIFICALLY CONVERTING NUCLEIC ACID BASE OF TARGETED DNA USING CELL ENDOGENOUS DNA MODIFYING ENZYME, AND MOLECULAR COMPLEX USED THEREIN

[54] PROCEDE DE CONVERSION D'UNE SEQUENCE D'ACIDE NUCLEIQUE D'UNE CELLULE CONVERTISSANT SPECIFIQUEMENT UNE BASE D'ACIDE NUCLEIQUE D'ADN CIBLE A L'AIDE D'UNE ENZYME DE MODIFICATION D'ADN ENDOGENE CELLULAIRE ET COMPLEXE MOLECULAIRE UTILISE DANS CELUI-CI

[72] NISHIDA, KEIJI, JP

[72] KONDO, AKIHIKO, JP

[72] ARAZOE, TAKAYUKI, JP

[72] YOSHIOKA, SHIN, JP

[71] NATIONAL UNIVERSITY CORPORATION KOBE UNIVERSITY, JP

[85] 2019-09-20

[86] 2018-03-20 (PCT/JP2018/011198)

[87] (WO2018/174097)

[30] JP (2017-056727) 2017-03-22

[21] 3,045,634

[13] A1

[51] Int.Cl. G06Q 30/00 (2012.01) G06F 16/24 (2019.01) G06F 16/27 (2019.01) B82Y 10/00 (2011.01)

[25] EN

[54] BLOCKCHAIN-BASED MERCHANTISE TRACING METHODS AND APPARATUS

[54] METHODES ET APPAREIL DE TRACAGE DE MARCHANDISE FONDÉS SUR LA CHAINE DE BLOCS

[72] HU, DANQING, CN

[71] ALIBABA GROUP HOLDING LIMITED, KY

[85] 2019-06-10

[86] 2019-05-29 (PCT/US2019/034269)

[87] (3045634)

[30] CN (201810533956.6) 2018-05-29

[21] 3,056,858

[13] A1

[51] Int.Cl. G01N 33/497 (2006.01)

[25] EN

[54] A BREATH-CONDENSATE DEVICE

[54] DISPOSITIF POUR CONDENSAT D'HALEINE

[72] FUNCH-NIELSEN, HELLE, DK

[71] EXHALATION TECHNOLOGY LIMITED, GB

[85] 2019-09-17

[86] 2018-03-20 (PCT/GB2018/050721)

[87] (WO2018/172761)

[30] GB (1704367.0) 2017-03-20

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<p>[21] <b>3,057,909</b> [13] A1</p> <p>[25] EN  <b>[54] LIQUID CRYSTAL WRITING FILM, PARTIAL ERASING METHOD, MULTI-VOLTAGE OUTPUT CIRCUIT AND POSITIONING SYSTEM CAPABLE OF PARTIAL ERASING</b>  <b>[54] FILM D'ECRITURE A CRISTAUX LIQUIDES, METHODE D'EFFACEMENT PARTIEL, CIRCUIT DE SORTIE MULTITENSION ET SYSTEME DE POSITIONNEMENT CAPABLE D'EFFACEMENT PARTIEL</b></p> <p>[72] LI, QINGBO, CN  [72] SHI, XINLI, CN  [71] SHANDONG LANBEISITE EDUCATIONAL EQUIPMENT GROUP, CN  [85] 2019-10-08  [86] 2019-01-10 (PCT/CN2019/071227)  [87] (3057909)  [30] CN (2018106702947) 2018-06-26  [30] CN (2018114556406) 2018-11-30  [30] CN (2018106716329) 2018-06-26  [30] CN (2018106689656) 2018-06-26  [30] CN (2018106689603) 2018-06-26  [30] CN (2018106707870) 2018-06-26  [30] CN (2018105414745) 2018-05-30  [30] CN (2018105419912) 2018-05-30  [30] CN (2018105954669) 2018-06-11  [30] CN (2018106215984) 2018-06-15</p>
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<p>[21] <b>3,060,700</b> [13] A1</p> <p>[25] EN  <b>[54] DISCONTINUOUS RECLINER FOR A VEHICLE SEAT</b>  [54]  [72] USTUNBERK, CAN, IT  [72] SPAGNOLI, LUIGI, IT  [71] MARTUR ITALY S.R.L., IT  [85] 2019-10-29  [86] 2019-04-17 (PCT/IB2019/053171)  [87] (3060700)  [30] IT (102018000005223) 2018-05-09</p>
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<p>[21] <b>3,061,582</b> [13] A1</p> <p>[51] <b>Int.Cl. B60Q 1/40 (2006.01)</b>  [25] EN  <b>[54] METHOD FOR CONTROLLING DIRECTION INDICATOR AND DEVICE FOR CONTROLLING DIRECTION INDICATOR</b>  <b>[54] PROCEDE DE COMMANDE D'INDICATEUR DE DIRECTION ET DISPOSITIF DE COMMANDE D'INDICATEUR DE DIRECTION</b>  [72] TANIGUCHI, YOHEI, JP  [72] SHINO, TATSUYA, JP  [72] ISHIMARU, SHUKO, JP  [72] ITO, ATSUSHI, JP  [71] NISSAN MOTOR CO., LTD., JP  [85] 2019-10-25  [86] 2017-04-27 (PCT/JP2017/016706)  [87] (WO2018/198264)</p>
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<p>[21] <b>3,061,170</b> [13] A1</p> <p>[51] <b>Int.Cl. F28D 20/02 (2006.01)</b>  [25] EN  <b>[54] THERMAL CELL</b>  <b>[54] CELLULE THERMIQUE</b>  [72] PHILLIPS, AVON, AU  [72] KLETTE, WOLFGANG, AU  [72] SLADE, JAMES, AU  [71] PHILLIPS, AVON, AU  [71] KLETTE, WOLFGANG, AU  [71] SLADE, JAMES, AU  [85] 2019-10-03  [86] 2017-04-06 (PCT/AU2017/050302)  [87] (WO2017/173499)  [30] AU (2016901275) 2016-04-06</p>
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<p>[21] <b>3,061,389</b> [13] A1</p> <p>[51] <b>Int.Cl. H04W 4/20 (2018.01)</b>  [25] EN  <b>[54] METHOD FOR TRANSMITTING REFERENCE SIGNAL, TERMINAL AND NETWORK DEVICE</b>  <b>[54] PROCEDE D'EMISSION D'UN SIGNAL DE REFERENCE, TERMINAL ET DISPOSITIF DE RESEAU</b>  [72] ZHANG, ZHI, CN  [72] TANG, HAI, CN  [71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN  [85] 2019-10-24  [86] 2017-04-27 (PCT/CN2017/082239)  [87] (WO2018/195871)</p>
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<p>[21] <b>3,061,825</b> [13] A1</p> <p>[51] <b>Int.Cl. G10K 11/16 (2006.01) E04B 1/84 (2006.01)</b>  [25] EN  <b>[54] PARTITION WALL</b>  <b>[54] PAROI DE SEPARATION</b>  [72] SCHMITZ, BURKHARD, DE  [72] ZWICK, CAROLA, DE  [72] ZWICK, ROLAND, DE  [71] SCHMITZ, BURKHARD, DE  [71] ZWICK, CAROLA, DE  [71] ZWICK, ROLAND, DE  [85] 2019-10-29  [86] 2018-05-02 (PCT/EP2018/061203)  [87] (WO2018/202709)  [30] DE (10 2017 109 612.4) 2017-05-04</p>
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**[21] 3,061,836**  
[13] A1

- [51] Int.Cl. H02M 1/32 (2007.01)
  - [25] EN
  - [54] WIND TURBINE WITH OVERLOAD-CAPABLE CONVERTER SYSTEM
  - [54] EOLIENNE COMPRENANT UN SYSTEME CONVERTISSEUR RESISTANT AUX SURCHARGES
  - [72] BROMBACH, JOHANNES, DE
  - [71] WOBben PROPERTIES GMBH, DE
  - [85] 2019-10-29
  - [86] 2018-05-03 (PCT/EP2018/061339)
  - [87] (WO2018/202772)
  - [30] DE (10 2017 109 728.7) 2017-05-05
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**[21] 3,061,843**  
[13] A1

- [51] Int.Cl. B01D 53/14 (2006.01) C07C 209/16 (2006.01) C07C 217/08 (2006.01) C10L 3/10 (2006.01)
  - [25] EN
  - [54] ABSORBENT AND PROCESS FOR SELECTIVELY REMOVING HYDROGEN SULFIDE
  - [54] ABSORBANT ET PROCEDE D'ELIMINATION SELECTIVE DE SULFURE D'HYDROGENE
  - [72] ERNST, MARTIN, DE
  - [72] VORBERG, GERALD, DE
  - [72] SIEDER, GEORG, DE
  - [72] INGRAM, THOMAS, DE
  - [72] REINER, VIRGINIA, US
  - [72] PEREIRA, CARLA, US
  - [72] SISKIN, MICHAEL, US
  - [71] BASF SE, DE
  - [71] EXXONMOBIL RESEARCH AND ENGINEERING COMPANY, US
  - [85] 2019-10-29
  - [86] 2018-05-14 (PCT/EP2018/062355)
  - [87] (WO2018/210738)
  - [30] EP (17171012.2) 2017-05-15
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**[21] 3,061,880**  
[13] A1

- [51] Int.Cl. A01D 45/00 (2018.01) A01D 46/24 (2006.01)
  - [25] EN
  - [54] DEVICE FOR CONVEYING MUSHROOMS
  - [54] DISPOSITIF DE TRANSPORT DE CHAMPIGNONS
  - [72] DELBEKE, PIERRE, BE
  - [72] DELBEKE, PAUL, BE
  - [71] DELFORT COMM. V., BE
  - [71] PD CONSULT COMM. V., BE
  - [85] 2019-10-29
  - [86] 2018-05-08 (PCT/IB2018/053176)
  - [87] (WO2018/207085)
  - [30] BE (BE-2017/5323) 2017-05-08
  - [30] BE (BE-2017/5478) 2017-07-05
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**[21] 3,061,882**  
[13] A1

- [51] Int.Cl. A61F 9/007 (2006.01)
  - [25] EN
  - [54] VITRECTOMY PROBE
  - [54] SONDE DE VITRECTOMIE
  - [72] McDONELL, BRIAN WILLIAM, US
  - [72] MCCAWLEY, MATTHEW DOUGLAS, US
  - [72] VALENCIA, SALOMON, US
  - [72] UNDERWOOD, JOHN R., US
  - [72] RYAN, TIMOTHY C., US
  - [72] LOPEZ, JOSE LUIS, US
  - [72] AULD, JACK ROBERT, US
  - [71] ALCON INC., CH
  - [85] 2019-10-29
  - [86] 2018-05-22 (PCT/IB2018/053627)
  - [87] (WO2018/234906)
  - [30] US (62/521,754) 2017-06-19
  - [30] US (15/793,353) 2017-10-25
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**[21] 3,061,886**  
[13] A1

- [51] Int.Cl. A61B 17/34 (2006.01) A61F 9/007 (2006.01) A61M 39/06 (2006.01)
  - [25] EN
  - [54] ENTRY CANNULA WITH INTRAOCULAR-PRESSURE-ACTIVATED SEAL
  - [54] CANULE D'ENTREE AVEC JOINT ACTIVE PAR PRESSION INTRAOCULAIRE
  - [72] HALLEN, PAUL R., US
  - [71] ALCON INC., CH
  - [85] 2019-10-29
  - [86] 2018-05-31 (PCT/IB2018/053917)
  - [87] (WO2018/229586)
  - [30] US (62/518,811) 2017-06-13
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**[21] 3,061,894**  
[13] A1

- [51] Int.Cl. A61B 3/125 (2006.01) A61B 3/13 (2006.01) A61F 9/009 (2006.01) G02B 5/18 (2006.01)
  - [25] EN
  - [54] WIDE FIELD OF VIEW, HIGH OPTICAL POWER DISPOSABLE RETINA VIEWING SYSTEM
  - [54] SYSTEME DE VISUALISATION DE RETINE JETABLE A PUISSANCE OPTIQUE ELEVEE ET CHAMP DE VISION LARGE
  - [72] YU, LINGFENG, US
  - [72] DOUSHKINA, VALENTINA, US
  - [71] ALCON INC., CH
  - [85] 2019-10-29
  - [86] 2018-06-19 (PCT/IB2018/054516)
  - [87] (WO2018/235000)
  - [30] US (62/522,865) 2017-06-21
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**[21] 3,061,900**  
[13] A1

- [51] Int.Cl. A61K 38/17 (2006.01) A61K 45/06 (2006.01) A61P 27/02 (2006.01) C07K 14/705 (2006.01)
  - [25] EN
  - [54] COMPOSITIONS AND METHODS FOR TREATING OCULAR PATHOLOGIES
  - [54] COMPOSITIONS ET METHODES DE TRAITEMENT DE PATHOLOGIES OCULAIRES
  - [72] FOSTER, TIMOTHY PAUL, US
  - [72] NICHOLS, CHARLES DAVID, US
  - [71] THE BOARD OF SUPERVISORS OF LOUISIANA STATE UNIVERSITY AND AGRICULTURAAND MECHANICAL COLLEGE, US
  - [85] 2019-10-29
  - [86] 2018-05-01 (PCT/US2018/030448)
  - [87] (WO2018/204359)
  - [30] US (62/492,841) 2017-05-01
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**[21] 3,061,904**  
[13] A1

- [51] Int.Cl. C11D 3/48 (2006.01) A61K 8/04 (2006.01) A61K 8/34 (2006.01) A61Q 17/00 (2006.01) A61Q 17/04 (2006.01) A61Q 19/10 (2006.01)
- [25] EN
- [54] ALCOHOL CONTAINING NON-ANTIMICROBIAL CLEANSING COMPOSITION
- [54] COMPOSITION DE NETTOYAGE NON ANTIMICROBIENNE CONTENANT DE L'ALCOOL
- [72] COPELAND, AMANDA JO, US
- [72] PADDYACHI, VENKATESAN, US
- [72] BINGHAM, JAMES, US
- [72] CIAVARELLA, NICK E., US
- [72] IVEY, KAYLA ELISE, US
- [72] JAROS, CAREY, US
- [72] WILLIS, DANIEL, US
- [72] TITTL, JESSICA RAE, US
- [72] VENKATESH, SRINI, US
- [71] GOJO INDUSTRIES, INC., US
- [85] 2019-10-29
- [86] 2018-05-01 (PCT/US2018/030455)
- [87] (WO2018/204365)
- [30] US (62/492,622) 2017-05-01
- [30] US (62/555,986) 2017-09-08
- [30] US (62/609,487) 2017-12-22

**[21] 3,061,907**  
[13] A1

- [51] Int.Cl. C07D 498/18 (2006.01) A61K 31/436 (2006.01) A61K 31/519 (2006.01) A61P 25/00 (2006.01) A61P 35/00 (2006.01) A61P 37/00 (2006.01) C07D 519/00 (2006.01)
- [25] EN
- [54] RAPAMYCIN ANALOGS AS MTOR INHIBITORS
- [54] ANALOGUES DE LA RAPAMYCINE UTILISES EN TANT QU'INHIBITEURS DE MTOR
- [72] SEMKO, CHRISTOPHER, US
- [72] PITZEN, JENNIFER, US
- [72] WANG, GANG, US
- [72] TIBREWAL, NIDHI, US
- [72] AGGEN, JAMES BRADLEY, US
- [72] THOTTUMKARA, ARUN P., US
- [72] BURNETT, G. LESLIE, US
- [72] GLIEDT, MICAH JAMES EVANS, US
- [72] KISS, GERT, US
- [72] WON, WALTER, US
- [72] LEE, JULIE CHU-LI, US
- [72] GILL, ADRIAN LIAM, US
- [71] REVOLUTION MEDICINES, INC., US
- [85] 2019-10-29
- [86] 2018-05-01 (PCT/US2018/030531)
- [87] (WO2018/204416)
- [30] US (62/500,410) 2017-05-02

**[21] 3,061,917**  
[13] A1

- [51] Int.Cl. A61M 39/26 (2006.01) A47G 19/34 (2006.01) A47J 31/40 (2006.01) A61J 1/20 (2006.01) A61J 7/00 (2006.01) B65D 83/06 (2006.01) G01F 11/46 (2006.01) A61M 5/315 (2006.01) A61M 5/50 (2006.01)
- [25] EN
- [54] SYSTEM FOR DOSING AND DISPENSING MEDICATION
- [54] SYSTEME DE DOSAGE ET D'ADMINISTRATION DE MEDICAMENT
- [72] QUINN, MICHAEL V., US
- [72] BOYER, ROBERT, US
- [72] GORSHKOV, ALEXANDER, US
- [72] CRONENBERG, RICHARD, US
- [72] ALDEN, TOR, US
- [71] QUINN, MICHAEL V., US
- [71] GORSHKOV, ALEXANDER, US
- [71] CRONENBERG, RICHARD, US
- [71] ALDEN, TOR, US
- [71] BOYER, ROBERT, US
- [85] 2019-10-29
- [86] 2018-05-01 (PCT/US2018/030544)
- [87] (WO2018/204426)
- [30] US (62/492,868) 2017-05-01
- [30] US (15/968,515) 2018-05-01

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[13] A1

- [51] Int.Cl. A61K 38/00 (2006.01) A61K 38/12 (2006.01) A61P 3/00 (2006.01) A61P 3/06 (2006.01) A61P 3/10 (2006.01) C07K 14/47 (2006.01)
- [25] EN
- [54] PEPTIDES FOR TREATMENT OF DIABETES
- [54] PEPTIDES POUR LE TRAITEMENT DU DIABETE
- [72] ALENFALL, JAN, SE
- [72] DUNER, PONTUS, SE
- [72] HULTGARDH NILSSON, ANNA, SE
- [72] WALSE, BJORN, SE
- [71] FOLLICUM AB, SE
- [85] 2019-10-28
- [86] 2018-05-04 (PCT/EP2018/061547)
- [87] (WO2018/202870)
- [30] EP (17169500.0) 2017-05-04

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[54] CONSTRUCTIONS DE LAMP (PROTEINE MEMBRANAIRE ASSOCIEE AU LYSOSOME) COMPRENANT DES ANTIGENES CANCEREUX
[72] HEILAND, TERI, US
[71] IMMUNOMIC THERAPEUTICS, INC., US
[85] 2019-10-29
[86] 2018-05-02 (PCT/US2018/030725)
[87] (WO2018/204534)
[30] US (62/500,053) 2017-05-02
[30] US (62/561,760) 2017-09-22

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[25] EN
[54] PROPULSION AND CONTROL OF A MICRO-DEVICE
[54] PROPULSION ET COMMANDE D'UN MICRODISPOSITIF
[72] KISELYOV, ALEX, US
[72] SHPIGELMACHER, MICHAEL, US
[71] BIONAUT LABS LTD., IL
[71] SHPIGELMACHER, MICHAEL, US
[85] 2019-10-29
[86] 2018-05-03 (PCT/US2018/030942)
[87] (WO2018/204687)
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[51] Int.Cl. H04W 72/12 (2009.01)
[25] EN
[54] SCHEDULING REQUEST IN A WIRELESS DEVICE AND WIRELESS NETWORK
[54] DEMANDE DE PLANIFICATION DANS UN DISPOSITIF SANS FIL ET RESEAU SANS FIL
[72] BABAEI, ALIREZA, US
[72] DINAN, ESMAEL, US
[72] PARK, KYUNGMIN, US
[72] JEON, HYOUNGSUK, US
[71] OFINNO, LLC, US
[85] 2019-10-29
[86] 2018-05-04 (PCT/US2018/031063)
[87] (WO2018/204770)
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[51] Int.Cl. B65D 71/36 (2006.01)
[25] EN
[54] CARTON AND BLANK THEREFOR
[54] CARTON ET DECOUPE S'Y RAPPORTANT
[72] BLIN, PATRICK, FR
[72] MERZEAU, JULIEN D., FR
[71] WESTROCK PACKAGING SYSTEMS, LLC, US
[85] 2019-10-29
[86] 2018-05-03 (PCT/US2018/030772)
[87] (WO2018/204569)
[30] US (62/500,825) 2017-05-03

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[51] Int.Cl. C12N 5/079 (2010.01) C12N 15/86 (2006.01)
[25] EN
[54] COMPOSITIONS AND METHODS FOR EXPRESSING OTOFERLIN
[54] COMPOSITIONS ET PROCEDES POUR EXPRIMER L'OTOFERLINE
[72] BOYE, SANFORD L., US
[72] DYKA, FRANK, US
[72] HAUSWIRTH, WILLIAM W., US
[72] AKIL, OMAR, US
[71] UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INCORPORATED, US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2019-10-29
[86] 2018-05-04 (PCT/US2018/031009)
[87] (WO2018/204734)
[30] US (62/502,462) 2017-05-05

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[51] Int.Cl. C12N 5/07 (2010.01) A61K 35/17 (2015.01) C12Q 1/6886 (2018.01) A61P 35/00 (2006.01) G01N 33/48 (2006.01)
[25] EN
[54] UTILIZATION OF CD39 AND CD103 FOR IDENTIFICATION OF HUMAN TUMOR REACTIVE T CELLS FOR TREATMENT OF CANCER
[54] UTILISATION DE CD39 ET DE CD103 POUR L'IDENTIFICATION DE CELLULES TUMORALES HUMAINES REACTIVES POUR LE TRAITEMENT DU CANCER
[72] WEINBERG, ANDREW D., US
[72] MONTLER, RYAN, US
[72] DUHEN, THOMAS, US
[72] DUHEN, REBECCA, US
[71] PROVIDENCE HEALTH & SERVICES-OREGON, US
[71] AGONOX, INC., US
[85] 2019-10-29
[86] 2018-05-04 (PCT/US2018/031197)
[87] (WO2018/226336)
[30] US (62/517,612) 2017-06-09

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[51] Int.Cl. A61D 1/02 (2006.01)
[25] EN
[54] INJECTION SYSTEMS AND METHODS
[54] SYSTEMES ET PROCEDES D'INJECTION
[72] EID, ELLIOT D., US
[72] IMDIEKE, JEREMY J., US
[72] STARK, CHRISTOPHER J., US
[72] BIEL, MATTHEW R., US
[72] HARKESS, ROGER A., US
[71] NOVA-TECH ENGINEERING, LLC, US
[85] 2019-10-29
[86] 2018-05-03 (PCT/US2018/030782)
[87] (WO2018/204572)
[30] US (62/502,099) 2017-05-05

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  - [25] EN
  - [54] OYSTER FARMING APPARATUS, METHODS AND SYSTEMS
  - [54] APPAREIL, PROCEDES ET SYSTEMES D'OSTREICULTURE
  - [72] BOYLE, NORMAN, AU
  - [71] BOYLE, NORMAN, AU
  - [85] 2019-10-30
  - [86] 2018-05-03 (PCT/AU2018/050403)
  - [87] (WO2018/201191)
  - [30] AU (2017901617) 2017-05-03
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  - [25] EN
  - [54] SYRINGE ASSEMBLY FOR A DRUG DELIVERY DEVICE AND METHOD OF ASSEMBLY
  - [54] ENSEMBLE DE SERINGUE D'UN APPAREIL D'ADMINISTRATION DE MEDICAMENT ET PROCEDE D'ASSEMBLAGE
  - [72] MCCULLOUGH, ADAM B., US
  - [72] KNUDSEN, HANS STENBERG, DK
  - [72] OHLENSCHLAEGER, RASMUS, DK
  - [71] AMGEN INC., US
  - [85] 2019-10-29
  - [86] 2018-06-01 (PCT/US2018/035534)
  - [87] (WO2018/226515)
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- [25] EN
- [54] SHAVING RAZOR CARTRIDGE
- [54] CARTOUCHE DE RASOIR
- [72] WALKER, VINCENT PAUL, JR., US
- [71] THE GILLETTE COMPANY LLC, US
- [85] 2019-10-29
- [86] 2018-06-06 (PCT/US2018/036208)
- [87] (WO2018/226792)
- [30] US (62/515,945) 2017-06-06

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[13] A1

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- [25] EN
- [54] A HTP GENOMIC ENGINEERING PLATFORM FOR IMPROVING FUNGAL STRAINS
- [54] PLATE-FORME D'INGENIERIE GENOMIQUE HTP PERMETTANT D'AMELIORER LES SOUCHES FONGIQUES
- [72] SUNSPIRAL, VYTAS, US
- [72] FREDLUND, JENNIFER, US
- [72] ABDULLA, HASSAN, US
- [72] BOCCAZZI, PAOLO, US
- [72] POUST, SEAN, US
- [72] CLETO, SARA DA LUZ AREOSA, US
- [72] CHAIKIND, BRIAN, US
- [72] VAUGHAN, DYLAN, US
- [72] BRUNO, KENNETH S., US
- [72] WESTFALL, PATRICK, US
- [72] SZEWczyk, EDYTA, US
- [72] ROTHSCHILD-MANCINELLI, KYLE, US
- [72] FONG, ARTHUR MUIR, III, US
- [71] ZYMERGEN INC., US
- [85] 2019-10-29
- [86] 2018-06-06 (PCT/US2018/036360)
- [87] (WO2018/226900)
- [30] US (62/515,907) 2017-06-06

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  - [25] EN
  - [54] ANTI-ROBO2 ANTIBODIES, COMPOSITIONS, METHODS AND USES THEREOF
  - [54] ANTICORPS ANTI-ROBO2, COMPOSITIONS, METHODES ET UTILISATIONS
  - [72] BERASI, STEPHEN, US
  - [72] BUHLMANN, JANET ELIZABETH, US
  - [72] BENNETT, ERIC M., US
  - [72] HIGGINSON-SCOTT, NATHAN, US
  - [72] GAO, HUILAN, US
  - [72] JUO, ZONG SEAN, US
  - [72] GULLA, STEFANO V., US
  - [72] HUARD, CHRISTINE, US
  - [72] KODANGATTIL, SREEKUMAR R., US
  - [72] LI, JIAN, US
  - [72] LU, WEINING, US
  - [72] FAN, XUEPING, US
  - [72] SALANT, DAVID J., US
  - [71] PFIZER INC., US
  - [71] BOSTON MEDICAL CENTER CORPORATION, US
  - [85] 2019-10-29
  - [86] 2018-06-08 (PCT/US2018/036629)
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  - [30] US (62/517,233) 2017-06-09
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- [25] EN
- [54] HYDROPHOBIC SURFACE MODIFIED ALUMINAS AND METHOD FOR MAKING THEREOF
- [54] ALUMINES A SURFACE MODifiee HYDROPHOBES ET PROCEDES DE PRODUCTION ASSOCIES
- [72] RABAOLI, MARIA ROBERTA, US
- [72] MAI, ANTHONY, US
- [72] LOSCUTOVA, RYAN, US
- [71] SASOL (USA) CORPORATION, US
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  - [54] AMELIORATIONS DANS LA DETECTION RADIOLOGIQUE DE L'HYPERTENSION PULMONAIRE THROMBOEMBOLIQUE CHRONIQUE
  - [72] EL SAYED, KARYM, DE
  - [72] TEAL, SIMON, ALEXANDER, DE
  - [72] QUAST, EVA-MARIA, DE
  - [72] HOERNIG, SOREN, DE
  - [72] DAFTARDAR, MITESH, DE
  - [72] MUHLENDYCK, MATTHIAS, DE
  - [72] PODHAISKY, HANS-PETER, DE
  - [72] HINZMANN, BARBARA, DE
  - [72] SIEGLER, OLIVER, DE
  - [72] KILIC, LEVENT, DE
  - [71] BAYER AKTIENGESELLSCHAFT, DE
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- [72] GARRIGUS, PETER, US
- [72] MURRY, MICHAEL, US
- [71] ALTENLOH, BRINCK & CO. U.S., INC., US
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  - [72] HILDING, KLAS, SE
  - [72] NILSSON, SVEN-AKE, SE
  - [72] THORWID, PETER, SE
  - [71] ALFA LAVAL CORPORATE AB, SE
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- [54] IMPACT POROMECHANIQUE SUR LE COMPORTEMENT DE RENDEMENT DANS DES RESERVOIRS NON CLASSIQUES
- [72] AGRAWAL, SAMARTH, US
- [72] ALBERT, RICHARD A., US
- [71] CONOCOPHILLIPS COMPANY, US
- [85] 2019-10-29
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  - [54] BEVERAGE PREPARATION MACHINE WITH ENHANCED PUMP CONTROL
  - [54] MACHINE DE PREPARATION DE BOISSONS A COMMANDE DE POMPE AMELIOREE
  - [72] CHIODA, SERGIO, CH
  - [72] RUGGIERO, MARTINO, CH
  - [72] DENKINGER, BENOIT, CH
  - [71] SOCIETE DES PRODUITS NESTLE S.A., CH
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- [54] SYSTEME SUR PUCE DE CAPTEUR LASER III-V/IV HYBRIDE ACCORDABLE POUR LA SURVEILLANCE EN TEMPS REEL D'UN NIVEAU DE CONCENTRATION DE CONSTITUANT SANGUIN
- [72] VIZBARAS, AUGUSTINAS, LT
- [72] VIZBARAS, KRISTIJONAS, LT
- [72] SIMONYTE, LEVA, LT
- [72] ROELKENS, GUNTHER, BE
- [71] BROLIS SENSOR TECHNOLOGY, UAB, LT
- [71] UNIVERSITEIT GENT, BE
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  - [54] ENSEMBLE ET METHODE DE TRAITEMENT DE SOMMETS DE DE TALON
  - [72] TEUNISSEN, THEODORUS GIJSBERTUS GERARDUS, NL
  - [72] BEEKMAN, PETER, NL
  - [71] VMI HOLLAND B.V., NL
  - [85] 2019-10-30
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  - [54] CATHETER DE POSE DE STENT A COMMANDE A MOLETTE FINE ET A MANIVELLE A MAIN RAPIDE
  - [72] HALBERT, PHILLIP, US
  - [72] GILL, MATT, US
  - [72] HIGGINSON, SEAN, US
  - [71] CARDINAL HEALTH SWITZERLAND 515 GMBH, CH
  - [85] 2019-10-30
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  - [54] OUTIL A ONGLES EFFICACE
  - [72] GOMES, BARBARA, US
  - [71] GOMES, BARBARA, US
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  - [54] INSTRUMENTED TRAINING MORTAR SYSTEM
  - [54] SYSTEME DE MORTIER D'ENTRAINEMENT INSTRUMENTE
  - [72] REYMANN, STEFFEN, GB
  - [72] SMITH, GAVIN, GB
  - [71] CUBIC CORPORATION, US
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  - [54] VALVE AYANT UN JOINT D'ETANCHEITE MOBILE PROTEGE ET ENSEMBLE JOINT D'ETANCHEITE POUR CELLE-CI
  - [72] PICKETT, GEOFFREY A., US
  - [72] FRANCHEK, MATTHEW ALBERT, US
  - [72] PARVASI, SEYED MOHAMMAD, US
  - [71] NATIONAL OILWELL VARCO, L.P., US
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  - [54] MACHINE DE FORAGE INTEGRE
  - [72] PRISER, JEAN-CHRISTOPHE, US
  - [72] ORBAN, JACQUES, US
  - [72] KRIPPNER, NICK, US
  - [71] SCHLUMBERGER CANADA LIMITED, CA
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  - [54] ANTI-TIGIT ANTIBODIES AND METHODS OF USE THEREOF
  - [54] ANTICORPS ANTI-TIGIT ET LEURS METHODES D'UTILISATION
  - [72] CHAND, DHAN SIDHARTHA, US
  - [72] WILSON, NICHOLAS STUART, US
  - [72] UNDERWOOD, DENNIS JOHN, US
  - [72] MORIN, BENJAMIN MAXIME, US
  - [71] AGENUS INC., US
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  - [86] 2018-05-01 (PCT/US2018/030453)
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- [54] ELEMENT DE CONSTRUCTION PLAT, EN PARTICULIER POUR LA FABRICATION DE STRUCTURES DE CONSTRUCTION HORIZONTALES
- [72] LOSS, CRISTIANO, IT
- [72] RASO, SERGIO, IT
- [71] ADIGE S.P.A., IT
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[54] CAPTEUR DE DEPLACEMENT A DOUBLE TECHNOLOGIE SANS FIL  
[72] LITVAK, ELI, IL  
[72] ZHEVELEV, BORIS, IL  
[72] GABRILOVICH, SHLOMO, IL  
[71] TYCO FIRE & SECURITY GMBH, CH  
[85] 2019-10-30  
[86] 2018-02-26 (PCT/IB2018/051199)  
[87] (WO2018/207030)  
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[25] FR  
[54] ELECTRIC MACHINE WITH PHASE CHANGE MATERIAL FOR A TURBOMACHINE STARTER/GENERATOR  
[54] MACHINE ELECTRIQUE A MATERIAU A CHANGEMENT DE PHASE D'UN DEMARREUR- GENERATEUR D'UNE TURBOMACHINE  
[72] KLONOWSKI, THOMAS, FR  
[72] SERGHINE, CAMEL, FR  
[71] SAFRAN HELICOPTER ENGINES, FR  
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[25] EN  
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[54] APPAREIL DE LIAISON ET DE TRANSFERT DE CHARGE DE DALLE DE BETON  
[72] RODDEN, ROBERT ALAN, US  
[71] ILLINOIS TOOL WORKS INC., US  
[85] 2019-10-30  
[86] 2018-05-02 (PCT/US2018/030610)  
[87] (WO2018/204472)  
[30] US (62/500,756) 2017-05-03  
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[13] A1

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[25] EN  
[54] BASE STATION, USER DEVICE AND COMMUNICATION METHOD  
[54] DISPOSITIF DE STATION DE BASE, DISPOSITIF UTILISATEUR ET PROCEDE DE COMMUNICATION  
[72] TAKEDA, DAIKI, JP  
[72] HARADA, HIROKI, JP  
[72] NAGATA, SATOSHI, JP  
[71] NTT DOCOMO, INC., JP  
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[86] 2017-05-02 (PCT/JP2017/017316)  
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[54] MULTIBIOTIC AGENTS AND METHODS OF USING THE SAME  
[54] AGENTS MULTIBIOTIQUES ET PROCEDES D'UTILISATION DE CEUX-CI  
[72] CASEY, JOHN PATRICK., JR., US  
[72] BERRY, DAVID, US  
[72] CASTRO, ALFREDO, US  
[72] TAYLOR, STEVEN J., US  
[72] MASSARI, FERDINAND E., US  
[72] PROUDFOOT, JOHN, US  
[72] BOGART, ELIJAH, US  
[72] BRIGGS, TIMOTHY F., US  
[71] FLAGSHIP PIONEERING INNOVATIONS V, INC., US  
[85] 2019-10-30  
[86] 2018-06-05 (PCT/US2018/036113)  
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[25] EN  
[54] OBTURATION COMPOSITION  
[54] COMPOSITION D'OBTURATION  
[72] BERGER, TODD, US  
[72] BARATZ, ADAM, US  
[72] ROSE, SHERIDAN, US  
[71] DENTSPLY SIRONA INC., US  
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<p>[21] <b>3,062,071</b>  [13] A1</p> <p>[51] Int.Cl. G06F 16/245 (2019.01) G06F 16/2452 (2019.01) G06F 17/27 (2006.01) G06N 3/02 (2006.01)</p> <p>[25] EN</p> <p>[54] NEURAL NETWORK BASED TRANSLATION OF NATURAL LANGUAGE QUERIES TO DATABASE QUERIES</p> <p>[54] TRADUCTION BASEE SUR UN RESEAU NEURONAL D'INTERROGATIONS EN LANGAGE NATUREL EN INTERROGATIONS DE BASE DE DONNEES</p> <p>[72] ZHONG, VICTOR, US</p> <p>[72] XIONG, CAIMING, US</p> <p>[72] SOCHER, RICHARD, US</p> <p>[71] SALESFORCE.COM, INC., US</p> <p>[85] 2019-10-30</p> <p>[86] 2018-05-17 (PCT/US2018/033099)</p> <p>[87] (WO2018/213530)</p> <p>[30] US (62/508,367) 2017-05-18</p> <p>[30] US (15/885,613) 2018-01-31</p>
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<p>[21] <b>3,062,073</b>  [13] A1</p> <p>[51] Int.Cl. C08L 1/02 (2006.01) C08L 97/02 (2006.01) E06B 3/00 (2006.01)</p> <p>[25] EN</p> <p>[54] CELLULOSIC ARTICLES MADE FROM CELLULOSIC MATERIALS AND METHODS THEREFOR</p> <p>[54] ARTICLES CELLULOSSIQUES FABRIQUES A PARTIR DE MATERIAUX CELLULOSSIQUES ET PROCEDES ASSOCIES</p> <p>[72] BARZEGARI, MOHAMAD REZA, US</p> <p>[72] PFAU, JAMES P., US</p> <p>[72] LIANG, BEI-HONG, US</p> <p>[72] EXCONDE, ELIZALDE, US</p> <p>[71] MASONITE CORPORATION, US</p> <p>[85] 2019-10-30</p> <p>[86] 2018-05-07 (PCT/US2018/031325)</p> <p>[87] (WO2018/204906)</p> <p>[30] US (62/501,847) 2017-05-05</p>
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<p>[21] <b>3,062,075</b>  [13] A1</p> <p>[51] Int.Cl. C12Q 1/68 (2018.01) C12Q 1/6876 (2018.01)</p> <p>[25] EN</p> <p>[54] COMPOSITIONS AND METHODS FOR ISOLATING TARGET NUCLEIC ACIDS</p> <p>[54] COMPOSITIONS ET PROCEDES POUR ISOLER DES ACIDES NUCLEIQUES CIBLES</p> <p>[72] SHAH, ANKUR, US</p> <p>[71] GEN-PROBE INCORPORATED, US</p> <p>[85] 2019-10-30</p> <p>[86] 2018-05-10 (PCT/US2018/032044)</p> <p>[87] (WO2018/209068)</p> <p>[30] US (62/504,900) 2017-05-11</p>
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<p>[21] <b>3,062,074</b>  [13] A1</p> <p>[51] Int.Cl. A01N 43/54 (2006.01) A01N 43/653 (2006.01) C07C 229/08 (2006.01)</p> <p>[25] EN</p> <p>[54] USE OF AN ACYCLIC PICOLINAMIDE COMPOUND AS A FUNGICIDE FOR FUNGAL DISEASES ON TURFGRASSES</p> <p>[54] UTILISATION D'UN COMPOSE PICOLINAMIDE ACYCLIQUE EN TANT QUE FONGICIDE POUR LUTTER CONTRE DES MALADIES FONGIQUES SUR DES GAZONS</p> <p>[72] BREUNINGER, JAMES M., US</p> <p>[71] DOW AGROSCIENCES LLC, US</p> <p>[85] 2019-10-30</p> <p>[86] 2018-05-02 (PCT/US2018/030561)</p> <p>[87] (WO2018/204438)</p> <p>[30] US (62/500,195) 2017-05-02</p>
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<p>[21] <b>3,062,077</b>  [13] A1</p> <p>[51] Int.Cl. G06Q 50/30 (2012.01) G06Q 30/06 (2012.01)</p> <p>[25] EN</p> <p>[54] DYNAMIC GEOLOCATION OPTIMIZATION OF PICKUP LOCATIONS USING LOCATION SCORES</p> <p>[54] OPTIMISATION DE GEOLOCALISATION DYNAMIQUE DE LIEUX DE RAMASSAGE A L'AIDE DE NOTES DE LOCALISATION</p> <p>[72] CHACHRA, RICKY, US</p> <p>[72] FARMER, ROB, US</p> <p>[72] HWANG, THADDEUS INSUK, US</p> <p>[72] KODESH, SNIR, US</p> <p>[72] LEVENTI, MATTHEW EZRA, US</p> <p>[71] LYFT, INC., US</p> <p>[85] 2019-10-30</p> <p>[86] 2018-05-10 (PCT/US2018/032163)</p> <p>[87] (WO2018/209151)</p> <p>[30] US (62/504,432) 2017-05-10</p> <p>[30] US (15/671,108) 2017-08-07</p> <p>[30] US (15/671,089) 2017-08-07</p>
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<p><b>[21] 3,062,078</b></p> <p>[13] A1</p> <p>[51] Int.Cl. A61M 5/31 (2006.01)</p> <p>[25] EN</p> <p>[54] DIABETES MANAGEMENT SYSTEM WITH AUTOMATIC BASAL AND MANUAL BOLUS INSULIN CONTROL</p> <p>[54] SYSTEME DE PRISE EN CHARGE DU DIABETE A REGULATION AUTOMATIQUE DE BOLUS D'INSULINE BASALE ET MANUELLE</p> <p>[72] FINAN, DANIEL, US</p> <p>[72] MCCANN, THOMAS, JR., US</p> <p>[71] LIFESCAN IP HOLDINGS, LLC, US</p> <p>[85] 2019-10-17</p> <p>[86] 2018-04-05 (PCT/US2018/026208)</p> <p>[87] (WO2018/194838)</p> <p>[30] US (15/489,773) 2017-04-18</p>
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<p><b>[21] 3,062,079</b></p> <p>[13] A1</p> <p>[51] Int.Cl. G06Q 30/00 (2012.01)</p> <p>[25] EN</p> <p>[54] FUEL DISPENSER ALTERNATIVE CONTENT CONTROL BASED ON MONITORED FUELING TRANSACTION PHASE</p> <p>[54] GESTION DE CONTENU DE REMplacement DE POMPE A ESSENCE SUR LA BASE D'UNE PHASE DE TRANSACTION DE RAVITAILLEMENT EN CARBURANT SURVEILLEE</p> <p>[72] CARAPELLI, GIOVANNI, US</p> <p>[71] GILBARCO INC., US</p> <p>[85] 2019-10-30</p> <p>[86] 2018-05-30 (PCT/US2018/035109)</p> <p>[87] (WO2018/222699)</p> <p>[30] US (62/512,422) 2017-05-30</p>
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<p><b>[21] 3,062,080</b></p> <p>[13] A1</p> <p>[51] Int.Cl. C11D 7/30 (2006.01) C11D 7/50 (2006.01) C11D 17/00 (2006.01)</p> <p>[25] EN</p> <p>[54] AEROSOL CLEANING COMPOSITION</p> <p>[54] COMPOSITION DE NETTOYAGE AEROSOL</p> <p>[72] MARTIN, WILLIAM C., US</p> <p>[72] PILLON, PIERCE A., US</p> <p>[72] WHITMIRE, MERCEDITA S., US</p> <p>[72] MARTINI, ERIC J., US</p> <p>[72] MORRIS, MATTHEW E., US</p> <p>[71] ILLINOIS TOOL WORKS INC., US</p> <p>[85] 2019-10-30</p> <p>[86] 2018-05-03 (PCT/US2018/030795)</p> <p>[87] (WO2018/204581)</p> <p>[30] US (62/500,863) 2017-05-03</p> <p>[30] US (15/881,298) 2018-01-26</p>
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<p><b>[21] 3,062,081</b></p> <p>[13] A1</p> <p>[51] Int.Cl. G05B 19/4097 (2006.01) B24C 1/04 (2006.01)</p> <p>[25] EN</p> <p>[54] AUTONOMOUS MODIFICATION OF WATERJET CUTTING SYSTEMS</p> <p>[54] MODIFICATION AUTONOME DE SYSTEMES DE DECOUPE PAR JET D'EAU</p> <p>[72] ERICHSEN, GLENN A., US</p> <p>[72] CHILLMAN, ALEX M., US</p> <p>[72] HOPKINS, JORDAN J., US</p> <p>[72] LAW, ADAM G., US</p> <p>[72] KOTCHON, AMANDA C., US</p> <p>[72] TACHERON, PAUL H., US</p> <p>[72] BURNHAM, CHARLES D., US</p> <p>[72] KENT, BRIAN, US</p> <p>[72] HASHISH, MOHAMED, US</p> <p>[72] SUNADA, CRAIG D., US</p> <p>[72] ZHOU, JIANNAN, US</p> <p>[71] FLOW INTERNATIONAL CORPORATION, US</p> <p>[85] 2019-10-30</p> <p>[86] 2018-06-21 (PCT/US2018/038741)</p> <p>[87] (WO2018/237138)</p> <p>[30] US (62/523,979) 2017-06-23</p>
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<p><b>[21] 3,062,082</b></p> <p>[13] A1</p> <p>[51] Int.Cl. G01N 33/68 (2006.01)</p> <p>[25] EN</p> <p>[54] DIAGNOSTIC ADVANCED GLYCATION END-PRODUCT ANTIBODIES</p> <p>[54] ANTICORPS DIAGNOSTIQUES ANTI-PRODUIT DE GLYCATION AVANCEE</p> <p>[72] GRUBER, LEWIS S., US</p> <p>[71] SIWA CORPORATION, US</p> <p>[85] 2019-10-30</p> <p>[86] 2018-05-03 (PCT/US2018/030931)</p> <p>[87] (WO2018/204679)</p> <p>[30] US (62/501,424) 2017-05-04</p> <p>[30] US (62/610,003) 2017-12-22</p>
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[13] A1

- [51] Int.Cl. B65B 7/00 (2006.01) B29C 51/26 (2006.01) B29C 51/46 (2006.01) B65B 47/02 (2006.01) B65B 47/04 (2006.01) B65B 57/02 (2006.01) B65B 57/04 (2006.01) B65B 57/08 (2006.01) B65B 61/00 (2006.01) B65D 6/00 (2006.01) B65G 43/08 (2006.01) B65G 54/02 (2006.01)
  - [25] EN
  - [54] **FACILITY FOR PRODUCING CONTAINERS BY MEANS OF THERMOFORMING**
  - [54] **INSTALLATION POUR FABRIQUER DES RECIPIENTS PAR THERMOFORMAGE**
  - [72] SCHWAB, DOMINIQUE, FR
  - [72] COOPER, TIMOTHY, FR
  - [71] ERCA, FR
  - [85] 2019-10-31
  - [86] 2018-05-23 (PCT/FR2018/051226)
  - [87] (WO2018/215724)
  - [30] FR (1754615) 2017-05-24
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[13] A1

- [51] Int.Cl. A61K 31/737 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01)
- [25] EN
- [54] **IMMUNOMAGNETIC COMPOSITION, PREPARATION METHOD AND USE THEREOF, AND KIT FOR TREATING CANCER**
- [54] **COMPOSITION IMMUNOMAGNETIQUE, SON PROCEDE DE PREPARATION ET SON UTILISATION, ET KIT DE TRAITEMENT DU CANCER**
- [72] SHYU, WOEI-CHERNG, CN
- [72] CHEN, SAN-YUAN, CN
- [72] CHIANG, CHIH-SHENG, CN
- [72] HSIEH, CHIA-HUNG, CN
- [72] LIN, YU-JUNG, CN
- [72] TSAI, CHANG-HAI, CN
- [71] CHINA MEDICAL UNIVERSITY, TW
- [85] 2019-10-31
- [86] 2018-04-27 (PCT/CN2018/084769)
- [87] (WO2018/201981)
- [30] US (62/492,525) 2017-05-01
- [30] CN (201810051881.8) 2018-01-16

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[13] A1

- [51] Int.Cl. H04Q 9/00 (2006.01) H04W 52/02 (2009.01)
  - [25] EN
  - [54] **BATTERY-OPERATED SMART METERING COUNTER**
  - [54] **COMPTEUR DE MESURE INTELLIGENTE FONCTIONNANT SUR BATTERIE**
  - [72] PETKOV, HRISTO, DE
  - [72] LAUTENBACHER, THOMAS, DE
  - [72] KAUPPERT, THOMAS, DE
  - [72] GOTTSCHALK, KLAUS, DE
  - [71] DIEHL METERING SYSTEMS GMBH, DE
  - [85] 2019-10-31
  - [86] 2018-04-11 (PCT/EP2018/000192)
  - [87] (WO2018/202325)
  - [30] DE (102017004365.5) 2017-05-05
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**[21] 3,062,095**

[13] A1

- [51] Int.Cl. H02J 7/00 (2006.01) H01M 10/42 (2006.01)
- [25] EN
- [54] **ENERGY STORAGE SYSTEM**
- [54] **SYSTÈME DE STOCKAGE D'ÉNERGIE**
- [72] ELIASSEN, SIVERT, NO
- [72] HOLEN, ROY, NO
- [71] SIEMENS AKTIENGESELLSCHAFT, DE
- [85] 2019-10-31
- [86] 2018-03-29 (PCT/EP2018/058144)
- [87] (WO2018/184999)
- [30] GB (1705518.7) 2017-04-05

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[13] A1

- [51] Int.Cl. F16N 21/04 (2006.01) F16N 3/12 (2006.01)
- [25] EN
- [54] **GREASE COUPLER**
- [54] **ORGANE D'ACCOUPLEMENT GRAISSEUR**
- [72] UCCELLANI, MARCO, AU
- [72] SINGH, PRABHJOT, AU
- [71] MACNAUGHT PTY LTD, AU
- [85] 2019-10-31
- [86] 2018-06-27 (PCT/AU2018/050651)
- [87] (WO2019/000035)
- [30] AU (2017902478) 2017-06-27

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**[21] 3,062,101**

[13] A1

- [51] Int.Cl. B25J 13/00 (2006.01) B25J 3/00 (2006.01) B25J 9/18 (2006.01) B25J 13/08 (2006.01)
  - [25] EN
  - [54] **SYSTEMS AND METHODS FOR REMOTELY CONTROLLING A ROBOTIC DEVICE**
  - [54] **Systèmes et procédés destinés à la télécommande d'un dispositif robotique**
  - [72] IGNAKOV, DMITRI, CA
  - [71] TAIGA ROBOTICS CORP., CA
  - [85] 2019-10-31
  - [86] 2018-05-01 (PCT/CA2018/050511)
  - [87] (WO2018/201240)
  - [30] US (62/500,718) 2017-05-03
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[13] A1

- [51] Int.Cl. A61L 9/04 (2006.01) B65F 1/14 (2006.01) B65F 7/00 (2006.01)
- [25] EN
- [54] **WASTE BIN ODOR CONTROL METHOD AND SYSTEM**
- [54] **PROCEDE ET SYSTÈME DE LUTTE CONTRE LES ODEURS DE POUBELLE**
- [72] LABRECQUE, JEAN-GABRIEL, CA
- [72] MARCOUX, YVAN, CA
- [71] IPL INC., CA
- [85] 2019-10-31
- [86] 2019-03-14 (PCT/CA2019/050315)
- [87] (WO2019/173922)
- [30] US (62/642,747) 2018-03-14

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**[21] 3,062,103**

[13] A1

- [51] Int.Cl. A61K 31/437 (2006.01) A61K 31/454 (2006.01) A61K 31/495 (2006.01) A61K 31/496 (2006.01)
- [25] EN
- [54] **COMPOSITIONS, DEVICES AND METHODS FOR TREATING AUTISM**
- [54] **COMPOSITIONS, DISPOSITIFS ET MÉTHODES DE TRAITEMENT DE L'AUTISME**
- [72] BORODY, THOMAS JULIUS, AU
- [71] BORODY, THOMAS JULIUS, AU
- [85] 2019-10-31
- [86] 2018-08-15 (PCT/AU2018/000135)
- [87] (WO2019/033142)
- [30] US (62/545,989) 2017-08-15

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<p style="text-align: right;"><b>[21] 3,062,104</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. D21H 19/20 (2006.01) C08F 212/08 (2006.01) C09D 125/08 (2006.01) C09D 133/10 (2006.01) D21H 19/22 (2006.01) D21H 19/56 (2006.01) D21H 19/58 (2006.01) D21H 19/60 (2006.01) D21H 21/16 (2006.01)</p> <p>[25] EN</p> <p>[54] BARRIER COATING COMPOSITION, SHEET-LIKE PRODUCT AND ITS USE</p> <p>[54] COMPOSITION DE COUCHAGE FONCTIONNEL, PRODUIT DE TYPE FEUILLE ET SON UTILISATION</p> <p>[72] PEURANEN, HELENA, FI</p> <p>[72] PUTTONEN, SAMI, FI</p> <p>[72] TURKKI, TARJA, FI</p> <p>[72] OJANEN, MARI, FI</p> <p>[72] HERMANSSON, ERLAND, FI</p> <p>[71] KEMIRA OYJ, FI</p> <p>[85] 2019-10-31</p> <p>[86] 2018-06-14 (PCT/FI2018/050463)</p> <p>[87] (WO2018/229343)</p> <p>[30] FI (20175557) 2017-06-15</p>
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<p style="text-align: right;"><b>[21] 3,062,106</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. C23C 2/20 (2006.01) C23C 2/40 (2006.01)</p> <p>[25] EN</p> <p>[54] APPARATUS FOR TREATING A METAL STRIP</p> <p>[54] DISPOSITIF POUR LE TRAITEMENT D'UNE BANDE METALLIQUE</p> <p>[72] FONTAINE, PASCAL, DE</p> <p>[72] FONTAINE, DOMINIQUE, DE</p> <p>[72] DAUBE, THOMAS, DE</p> <p>[72] ZIELENBACH, MICHAEL, DE</p> <p>[71] FONTAINE ENGINEERING UND MASCHINEN GMBH, DE</p> <p>[85] 2019-10-31</p> <p>[86] 2018-04-11 (PCT/EP2018/059227)</p> <p>[87] (WO2018/202389)</p> <p>[30] DE (10 2017 109 559.4) 2017-05-04</p>
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<p style="text-align: right;"><b>[21] 3,062,108</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. C10L 1/02 (2006.01) C11C 1/02 (2006.01) C11C 1/04 (2006.01)</p> <p>[25] EN</p> <p>[54] METHOD FOR REDUCING THE CONTENT OF SATURATED MONOGLYCERIDES IN A RAW BIODIESEL</p> <p>[54] PROCEDE POUR LA DIMINUTION DE LA TENEUR EN MONOGLYCERIDES SATURES DANS UN BIODIESEL BRUT</p> <p>[72] CAMPOS, ABEL FERNANDES, DE</p> <p>[71] GEA MECHANICAL EQUIPMENT GMBH, DE</p> <p>[85] 2019-10-31</p> <p>[86] 2018-05-03 (PCT/EP2018/061318)</p> <p>[87] (WO2018/210573)</p> <p>[30] EP (17171913.1) 2017-05-19</p>
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<p style="text-align: right;"><b>[21] 3,062,105</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A61K 8/46 (2006.01) A61K 8/44 (2006.01) A61Q 19/10 (2006.01)</p> <p>[25] EN</p> <p>[54] LIQUID PERSONAL CLEANSING COMPOSITION</p> <p>[54] COMPOSITION D'HYGIENE PERSONNELLE LIQUIDE</p> <p>[72] KRANZMANN, ALYSSA NICOLE, US</p> <p>[72] MILLER, JAMIE LYNN, US</p> <p>[72] VASUDEVAN, TIRUCHERAI VARAHAN, US</p> <p>[71] UNILEVER PLC, GB</p> <p>[85] 2019-10-31</p> <p>[86] 2018-04-11 (PCT/EP2018/059311)</p> <p>[87] (WO2018/206215)</p> <p>[30] EP (17169997.8) 2017-05-08</p>
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<p style="text-align: right;"><b>[21] 3,062,107</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. C08K 5/00 (2006.01) C07C 29/70 (2006.01) C07C 31/28 (2006.01) C07C 31/30 (2006.01) C08K 5/057 (2006.01) C08K 5/103 (2006.01)</p> <p>[25] EN</p> <p>[54] NUCLEATING AGENTS, METHODS FOR THEIR PRODUCTION, AND ASSOCIATED POLYMER COMPOSITIONS</p> <p>[54] AGENTS DE NUCLEATION, PROCEDES DE PRODUCTION ASSOCIES, ET COMPOSITIONS POLYMERES ASSOCIEES</p> <p>[72] JAYARATNE, VIDURA NALIN, AU</p> <p>[72] TURNER, TERENCE WILLIAM, AU</p> <p>[72] HORTON, MURRAY, GB</p> <p>[72] DABBOUS, RAPHAEL, CH</p> <p>[71] MICRONISERS PTY LTD, AU</p> <p>[71] BASF SE, DE</p> <p>[85] 2019-10-31</p> <p>[86] 2018-05-02 (PCT/EP2018/061201)</p> <p>[87] (WO2018/202707)</p> <p>[30] AU (2017901604) 2017-05-03</p>
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<p style="text-align: right;"><b>[21] 3,062,109</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. D01F 1/06 (2006.01) D06P 1/00 (2006.01)</p> <p>[25] FR</p> <p>[54] USE OF 4-BORA-3A,4A-DIAZA-S-INDACENES FOR THE PRODUCTION OF FLUORESCENT FIBRES</p> <p>[54] UTILISATION DE 4-BORA-3A,4A-DIAZA-S-INDACENES POUR LA FABRICATION DE FIBRES FLUORESCENTES</p> <p>[72] PRETE, COSIMO, FR</p> <p>[72] DEPAUW, ALEXIS, FR</p> <p>[72] MALINGE, JEREMY, FR</p> <p>[71] CRIME SCIENCE TECHNOLOGY, FR</p> <p>[85] 2019-10-31</p> <p>[86] 2018-05-02 (PCT/FR2018/051091)</p> <p>[87] (WO2018/202996)</p> <p>[30] FR (17 53837) 2017-05-02</p>
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[21] **3,062,110**  
[13] A1  
[51] Int.Cl. G01C 19/38 (2006.01)  
[25] EN  
[54] INERTIAL MEASURING DEVICE FOR DETERMINING A NORTH DIRECTION  
[54] APPAREIL DE MESURE INERTIEL SERVANT A DEFINIR LA DIRECTION DU NORD  
[72] DAHLHOFF, ANDREA, DE  
[72] KUHNE, CLAUS, DE  
[72] SPANNAGEL, CHRISTIAN, DE  
[71] NORTHROP GRUMMAN LITEF GMBH, DE  
[85] 2019-10-31  
[86] 2018-04-27 (PCT/EP2018/060966)  
[87] (WO2018/206330)  
[30] DE (10 2017 110 205.1) 2017-05-11

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[21] **3,062,111**  
[13] A1  
[51] Int.Cl. C07K 14/245 (2006.01) C12Q 1/6869 (2018.01)  
[25] EN  
[54] TRANSMEMBRANE PORE CONSISTING OF TWO CSGG PORES  
[54] PORE TRANSMEMBRANAIRE CONSTITUE DE DEUX PORES CSGG  
[72] JAYASINGHE, LAKMAL NISHANtha, GB  
[72] WALLACE, ELIZABETH JAYNE, GB  
[72] SINGH, PRATIK RAJ, GB  
[72] HAMBLEY, RICHARD GEORGE, GB  
[72] JORDAN, MICHAEL, GB  
[72] REMAUT, HAN, BE  
[71] OXFORD NANOPORE TECHNOLOGIES LIMITED, GB  
[71] VIB VZM, BE  
[71] VRIJE UNIVERSITEIT BRUSSEL, BE  
[85] 2019-10-31  
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[30] GB (1707122.6) 2017-05-04

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[51] Int.Cl. C12N 5/0775 (2010.01)  
[25] EN  
[54] MESENCHYMAL LINEAGE PRECURSOR OR STEM CELLS WITH ENHANCED IMMUNOSUPPRESSION  
[54] PRECURSEUR DE LIGNEE MESENCHYMATEUSE OU CELLULES SOUCHES PRESENTANT UNE IMMUNOSUPPRESSION AMELIOREE  
[72] ITESCU, SILVIU, AU  
[72] SIMMONS, PAUL, AU  
[71] MESOBLAST INTERNATIONAL SARL, CH  
[85] 2019-10-31  
[86] 2018-05-04 (PCT/EP2018/061503)  
[87] (WO2018/202853)  
[30] AU (2017901633) 2017-05-04  
[30] AU (2017901636) 2017-05-04  
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[51] Int.Cl. A61K 8/34 (2006.01) A61K 8/44 (2006.01) A61K 8/60 (2006.01) A61Q 19/10 (2006.01)  
[25] EN  
[54] LOW VISCOSITY, HIGH POLYOL SELF-FOAMING COMPOSITION  
[54] COMPOSITION AUTO-MOUSSANTE DE FAIBLE VISCOSITE ET A HAUTE TENEUR EN POLYOL  
[72] YANG, LIN, US  
[72] TSAUR, SHENG LIANG, US  
[72] HERMANSON, KEVIN DAVID, US  
[71] UNILEVER PLC, GB  
[85] 2019-10-31  
[86] 2018-05-04 (PCT/EP2018/061612)  
[87] (WO2018/206463)  
[30] EP (17170458.8) 2017-05-10

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[51] Int.Cl. A61B 17/30 (2006.01) A61B 17/29 (2006.01) A61F 9/007 (2006.01)  
[25] EN  
[54] COATED FORCEPS FOR IMPROVED GRASPING  
[54] PINCE REVETUE POUR UNE MEILLEURE PREHENSION  
[72] GRUEEBLER, RETO, CH  
[71] ALCON INC., CH  
[85] 2019-10-31  
[86] 2018-06-12 (PCT/IB2018/054275)  
[87] (WO2019/003013)  
[30] US (62/525,983) 2017-06-28

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[51] Int.Cl. F01K 23/10 (2006.01) F01K 25/10 (2006.01)  
[25] EN  
[54] MECHANICAL/ELECTRICAL POWER GENERATION SYSTEM  
[54] SYSTEME DE GENERATION D'ELECTRICITE MECANIQUE/ELECTRIQUE  
[72] AKHTAR, MIRZA SIBATAIN (DECEASED), GB  
[71] CEOX LTD, GB  
[85] 2019-10-31  
[86] 2018-05-08 (PCT/GB2018/000078)  
[87] (WO2018/203024)  
[30] GB (1707272.9) 2017-05-05

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[51] Int.Cl. A61F 2/54 (2006.01) A61F 2/50 (2006.01) B25J 11/00 (2006.01)  
[25] EN  
[54] ARM AND LOWER BACK SUPPORT DEVICE  
[54] DISPOSITIF DE SUPPORT DES BRAS ET DU BAS DU DOS  
[72] KOBAYASHI, HIROSHI, JP  
[72] NAKAMURA, EITA, JP  
[72] ICHINOSE, KOUKI, JP  
[71] INNOPHYS CO., LTD., JP  
[85] 2019-10-31  
[86] 2018-07-02 (PCT/IB2018/054890)  
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[30] JP (2017-091758) 2017-05-02

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[25] EN
[54] A SYSTEM FOR IMPROVED DATA STORAGE AND RETRIEVAL
[54] SYSTEME DE STOCKAGE ET DE RECUPERATION DE DONNEES AMELIOREES
[72] APPS, STEPHEN DAVID, GB
[72] HOBLEY, ROGER LEONARD, GB
[71] BAE SYSTEMS PLC, GB
[85] 2019-10-31
[86] 2018-05-11 (PCT/GB2018/051273)
[87] (WO2018/206973)
[30] GB (1707598.7) 2017-05-12
[30] EP (17275065.5) 2017-05-12

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[51] Int.Cl. A61K 35/28 (2015.01) C12N 5/0775 (2010.01) A61P 21/00 (2006.01)
[25] EN
[54] TREATMENT OF MULTIPLE SCLEROSIS WITH ADIPOSE-DERIVED STEM CELLS
[54] TRAITEMENT DE LA SCLEROSE EN PLAQUES AVEC DES CELLULES SOUCHES DERIVEES DU TISSU ADIPEUX
[72] MAROM, EHUD, IL
[72] GRYNSPAN, FRIDA, IL
[72] YUDIN, DIMA, IL
[71] STEM CELL MEDICINE LTD., IL
[85] 2019-10-31
[86] 2018-05-14 (PCT/IL2018/050523)
[87] (WO2018/211498)
[30] US (62/506,006) 2017-05-15

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[51] Int.Cl. A01N 25/12 (2006.01) A01N 33/12 (2006.01) A01N 37/46 (2006.01) A01N 43/16 (2006.01) A01N 59/06 (2006.01) A01N 63/02 (2006.01)
[25] EN
[54] METHODS OF PEST CONTROL
[54] PROCEDES DE LUTTE CONTRE LES NUISIBLES
[72] WONG, JOHN M., US
[71] TLC PRODUCTS, US
[85] 2019-10-31
[86] 2018-01-12 (PCT/US2018/013447)
[87] (WO2018/203937)
[30] US (62/501,500) 2017-05-04

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[51] Int.Cl. G06F 16/901 (2019.01) G06F 16/953 (2019.01)
[25] EN
[54] METHOD AND DEVICE FOR SETTING SAMPLE WEIGHT, AND ELECTRONIC APPARATUS
[54] PROCEDE ET DISPOSITIF DE REGLAGE DE POIDS D'ECHANTILLON ET APPAREIL ELECTRONIQUE
[72] ZHANG, QIN, CN
[72] YANG, YIFAN, CN
[72] ZHANG, GONG, CN
[71] 10353744 CANADA LTD., CA
[85] 2019-10-31
[86] 2017-12-29 (PCT/CN2017/119844)
[87] (WO2018/214503)
[30] CN (201710370473.4) 2017-05-23

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[51] Int.Cl. C09K 8/42 (2006.01)
[25] EN
[54] PLUGGING AND SEALING SUBTERRANEAN FORMATIONS, USING A COLLOIDAL SILICA COMPOSITION
[54] OBTURATION ET SCELLEMENT DE FORMATIONS SOUTERRAINES A L'AIDE D'UNE COMPOSITION DE SILICE COLLOÏDALE
[72] KALGAONKAR, RAJENDRA ARUNKUMAR, SA
[72] WAGLE, VIKRANT BHAVANISHANKAR, SA
[72] HUANG, JIN, SA
[72] AL-YAMI, ABDULLAH SALEH HUSSAIN, SA
[71] SAUDI ARABIAN OIL COMPANY, SA
[85] 2019-10-31
[86] 2018-04-23 (PCT/US2018/028843)
[87] (WO2018/204113)
[30] US (15/584,669) 2017-05-02

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[51] Int.Cl. B01L 3/02 (2006.01)
[25] EN
[54] INTEGRATED PIPETTING APPARATUS
[54] APPAREIL DE PIPETAGE INTEGRE
[72] TAMAI, HIROFUMI, JP
[72] ZHOU, CHAOJUN, CA
[71] MUSCLE LAB CANADA INC., CA
[85] 2019-10-31
[86] 2018-04-06 (PCT/IB2018/052422)
[87] (WO2019/193404)

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[51] Int.Cl. C12N 5/0783 (2010.01)
[25] EN
[54] METHOD FOR CULTURING NATURAL KILLER CELL, USING TRANSFORMED T CELL
[54] PROCEDE DE CULTURE DE CELLULES TUEUSES NATURELLES AU MOYEN D'UN LYMPHOCYTE T TRANSFORME
[72] MIN, BOKYUNG, KR
[72] PARK, GYEONG MIN, KR
[72] KIM, HYUN AH, KR
[72] YANG, BITNA, KR
[72] HWANG, YU KYEONG, KR
[72] KIM, HYOJIN, KR
[71] GREEN CROSS LAB CELL CORPORATION, KR
[85] 2019-10-31
[86] 2018-05-25 (PCT/KR2018/005983)
[87] (WO2018/217064)
[30] KR (10-2017-0065180) 2017-05-26

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  - [25] EN
  - [54] CHEMICAL PLUGS FOR PREVENTING WELLBORE TREATMENT FLUID LOSSES
  - [54] BOUCHONS CHIMIQUES POUR EMPÊCHER DES PERTES DE FLUIDE DE TRAITEMENT DE PUITS DE FORAGE
  - [72] KALGAONKAR, RAJENDRA ARUNKUMAR, SA
  - [72] WAGLE, VIKRANT BHAVANISHANKAR, SA
  - [72] AL-YAMI, ABDULLAH SALEH HUSSAIN, SA
  - [72] ALMOHSIN, AYMAN MOHAMMED, SA
  - [71] SAUDI ARABIAN OIL COMPANY, SA
  - [85] 2019-10-31
  - [86] 2018-04-25 (PCT/US2018/029339)
  - [87] (WO2018/204145)
  - [30] US (15/584,638) 2017-05-02
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[13] A1

- [51] Int.Cl. C07D 405/12 (2006.01) A01N 43/54 (2006.01) C07D 239/34 (2006.01) C07D 403/12 (2006.01) C07D 411/12 (2006.01)
- [25] EN
- [54] PYRIMIDINYLOXY BENZO-FUSED COMPOUNDS AS HERBICIDES
- [54] COMPOSES PYRIMIDINYLOXY BENZO-FUSIONNES UTILISES EN TANT QU'HERBICIDES
- [72] DAO, RACHEL TRAN, US
- [72] DEANGELIS, ANDREW JON, US
- [72] DEBERGH, JOHN ROBBINS, US
- [72] MARSHALL, ERIC ALLEN, US
- [71] FMC CORPORATION, US
- [85] 2019-10-31
- [86] 2018-04-27 (PCT/US2018/029689)
- [87] (WO2018/204164)
- [30] US (62/500,088) 2017-05-02

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- [51] Int.Cl. G06Q 40/00 (2012.01) G06N 99/00 (2019.01) G06Q 10/06 (2012.01) G06Q 10/10 (2012.01)
  - [25] EN
  - [54] SYSTEMS AND METHODS FOR SCENARIO SIMULATION
  - [54] SYSTEMES ET PROCEDES DE SIMULATION DE SCENARIO
  - [72] PAWAR, ATUL, US
  - [72] NAHUM, EZRA, US
  - [72] PHILLIPS, ANDREW, US
  - [72] DEMBO, RON, US
  - [71] GOLDMAN SACHS & CO. LLC, US
  - [71] DEMBO, RON, US
  - [85] 2019-10-31
  - [86] 2018-04-30 (PCT/IB2018/052999)
  - [87] (WO2018/203226)
  - [30] US (62/492,668) 2017-05-01
  - [30] US (15/897,010) 2018-02-14
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[13] A1

- [51] Int.Cl. C09C 1/50 (2006.01) C08K 3/013 (2018.01) C08K 3/04 (2006.01) C09C 1/56 (2006.01)
- [25] EN
- [54] CARBON BLACK WITH AN STSA OF 80 TO 150 M2/G, AN OAN OF AT LEAST 180 ML/100G AND A COAN OF AT LEAST 110 ML/100G AND RUBBER COMPOUNDS INCORPORATING SAME
- [54] NOIR DE CARBONE AYANT UNE STSA DE 80 A 150 M2/G, UN OAN D'AU MOINS 180 ML/100 G ET UN COAN D'AU MOINS 110 ML/100 G ET COMPOSES DE CAOUTCHOUC LE CONTENANT
- [72] CHOI, JAESUN, KR
- [72] CLARKE, THEIS F., US
- [72] DOSHI, DAVAL, US
- [71] CABOT CORPORATION, US
- [85] 2019-10-31
- [86] 2018-04-27 (PCT/US2018/029734)
- [87] (WO2018/204174)
- [30] US (62/500,672) 2017-05-03

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[13] A1

- [51] Int.Cl. C09K 8/80 (2006.01) C08G 18/28 (2006.01) C08G 18/32 (2006.01) C09D 175/08 (2006.01)
  - [25] EN
  - [54] POLYURETHANE BASED PROPPANT COATINGS
  - [54] REVETEMENTS D'AGENTS DE SOUTENEMENT A BASE DE POLYURETHANE
  - [72] GOYAL, SACHIT, US
  - [72] RAGHURAMAN, ARJUN, US
  - [72] AOU, KAORU, US
  - [72] MEDINA, JUAN CARLOS, US
  - [72] PETROFF, LENIN, US
  - [72] YOUNG, JAMES, JR., US
  - [71] DOW GLOBAL TECHNOLOGIES LLC, US
  - [71] DOW SILICONES CORPORATION, US
  - [85] 2019-09-19
  - [86] 2018-03-21 (PCT/US2018/023460)
  - [87] (WO2018/175515)
  - [30] US (62/474,235) 2017-03-21
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- [51] Int.Cl. G02B 6/00 (2006.01) F21V 8/00 (2006.01) F21V 14/00 (2018.01) G02B 26/00 (2006.01)
  - [25] EN
  - [54] LIGHTING FIXTURE
  - [54] APPAREIL D'ECLAIRAGE
  - [72] ROMANO, PERRY, US
  - [72] CLARK, ADAM J., US
  - [71] HUBBELL INCORPORATED, US
  - [85] 2019-10-31
  - [86] 2018-04-27 (PCT/US2018/029775)
  - [87] (WO2018/204182)
  - [30] US (62/501,959) 2017-05-05
  - [30] US (62/613,959) 2018-01-05
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[13] A1

- [51] Int.Cl. A61K 9/24 (2006.01)
- [25] EN
- [54] LOZENGE DOSAGE FORM
- [54] FORME POSOLOGIQUE EN LOSANGE
- [72] MCNALLY, GERARD P., US
- [72] ANDERSON, OLIVER, US
- [72] KOLL, GREGORY, US
- [71] JOHNSON & JOHNSON CONSUMER INC., US
- [85] 2019-10-31
- [86] 2018-01-25 (PCT/US2018/015254)
- [87] (WO2018/217241)
- [30] US (62/509,365) 2017-05-22

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- [25] EN
- [54] **PREFABRICATED SELF-SUPPORTING MODULE FOR MAKING BUILDING STRUCTURES, MORE PARTICULARLY SWIMMING POOLS**
- [54] **MODULE AUTOPOREUR PREFABRIQUE POUR LA REALISATION DE STRUCTURES DE CONSTRUCTION, PLUS PARTICULIEREMENT DE PISCINES**
- [72] PUPPI, ENRICO GIOVANNI, IT  
 [72] ZANON, ANDREA, IT  
 [71] PREFORMATI ITALIA SRL UNIPERSONALE, IT  
 [85] 2019-10-31  
 [86] 2018-05-03 (PCT/IB2018/053071)  
 [87] (WO2018/203269)  
 [30] IT (102017000047564) 2017-05-03
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- [51] Int.Cl. C12N 15/10 (2006.01)
- [25] EN
- [54] **SITE-SPECIFIC DNA MODIFICATION USING A DONOR DNA REPAIR TEMPLATE HAVING TANDEM REPEAT SEQUENCES**
- [54] **MODIFICATION D'ADN SPECIFIQUE DE SITE A L'AIDE D'UNE MATRICE DE REPARATION D'ADN donneur AYANT DES SEQUENCES REPETEES EN TANDEM**
- [72] NELSON, JOHN RICHARD, US  
 [72] DUTHIE, ROBERT SCOTT, US  
 [72] SPOONER, PATRICK MCCOY, US  
 [72] SCHIEL, JOHN ANTHONY, US  
 [72] LOWERY, LISA ANNE, US  
 [72] SMITH, ANJA JOSIFA, US  
 [71] GLOBAL LIFE SCIENCES SOLUTIONS USA LLC, US  
 [85] 2019-10-18  
 [86] 2018-04-19 (PCT/US2018/028366)  
 [87] (WO2018/195313)  
 [30] US (15/491,125) 2017-04-19
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[13] A1

- [51] Int.Cl. A23J 1/14 (2006.01)
- [25] EN
- [54] **HIGH-PROTEIN OILCAKE-BASED NUTRITIONAL COMPOSITION**
- [54] **COMPOSITION NUTRITIONNELLE A BASE DE TOURTEAU D'OLEAGINEUX A HAUTE TENEUR EN PROTEINES**
- [72] MANCHULIANTSOU, ALEH, BY  
 [72] TKACHEVA, ANASTASIA, RU  
 [71] USARIUM INC., US  
 [85] 2019-10-31  
 [86] 2018-04-30 (PCT/US2018/030084)  
 [87] (WO2018/204216)  
 [30] US (62/492,367) 2017-05-01
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- [51] Int.Cl. C09K 8/565 (2006.01) C09K 8/575 (2006.01)
- [25] EN
- [54] **CONSOLIDATION OF FORMATION PARTICULATES**
- [54] **CONSOLIDATION DE PARTICULES DE FORMATION**
- [72] CHANG, FAKUEN FRANK, SA  
 [72] TAN, XIAOYU, SA  
 [71] SAUDI ARABIAN OIL COMPANY, SA  
 [85] 2019-10-31  
 [86] 2018-04-30 (PCT/US2018/030241)  
 [87] (WO2018/204269)  
 [30] US (62/500,152) 2017-05-02
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[13] A1

- [51] Int.Cl. H01R 13/00 (2006.01) F21S 13/00 (2006.01)
- [25] EN
- [54] **CONNECTING LIGHTING TO POLES WITHOUT TOOLS**
- [54] **CONNEXION D'ECLAIRAGE A DES MATS SANS OUTILS**
- [72] KOHEN, RAN ROLAND, US  
 [71] KOHEN, RAN ROLAND, US  
 [85] 2019-10-31  
 [86] 2018-05-01 (PCT/US2018/030372)  
 [87] (WO2018/204313)  
 [30] US (62/492,596) 2017-05-01
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[13] A1

- [51] Int.Cl. A61K 9/20 (2006.01) A61K 31/138 (2006.01) A61K 31/155 (2006.01) A61K 31/4015 (2006.01)
- [25] EN
- [54] **IMPROVED EXTENDED RELEASE HIGHLY LOADED DRUG COMPOSITIONS**
- [54] **COMPOSITIONS DE MEDICAMENT HAUTEMENT CHARGEES A LIBERATION PROLONGEE AMELIOREES**
- [72] MIINEA, LILIANA A., US  
 [72] DRAGANOIU, ELENA S., CA  
 [72] CHIKHALIKAR, KEDAR V., IN  
 [72] CHADAWAR, VIKRANT V., IN  
 [71] LUBRIZOL ADVANCED MATERIALS, INC., US  
 [85] 2019-10-31  
 [86] 2018-05-01 (PCT/US2018/030380)  
 [87] (WO2018/204317)  
 [30] US (62/500,078) 2017-05-02
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[13] A1

- [51] Int.Cl. F04D 29/22 (2006.01) F04D 1/00 (2006.01) F04D 29/16 (2006.01) F04D 29/62 (2006.01)
- [25] EN
- [54] **REMOVABLE INTEGRATED WEAR RING IMPELLER SKIRT**
- [54] **COLLERETTE DE TURBINE A ANNEAU D'USURE INTEGRE AMOVIBLE**
- [72] JOHNSON, CHRISTOPHER STEPHEN, US  
 [72] ROIMICHER, MARCOS DANIEL, US  
 [72] DELCOURT, PATRYCJA, US  
 [71] FLUID HANDLING LLC, US  
 [85] 2019-10-31  
 [86] 2018-05-01 (PCT/US2018/030432)  
 [87] (WO2018/204350)  
 [30] US (62/492,602) 2017-05-01

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  - [25] EN
  - [54] STABLE FORMULATIONS OF PROGRAMMED DEATH RECEPTOR 1 (PD-1) ANTIBODIES AND METHODS OF USE THEREOF
  - [54] FORMULATIONS STABLES D'ANTICORPS ANTI-RECEPTEUR DE MORT PROGRAMMEE 1 (PD-1) ET LEUR UTILISATION
  - [72] SHARMA, MANOJ K., US
  - [72] BENJAMIN, WENDY, US
  - [72] MITTAL, SARITA, US
  - [72] BASARKAR, ASHWIN, US
  - [72] NARASIMHAN, CHAKRAVARTHY NACHU, US
  - [72] KASHI, RAMESH S., US
  - [72] SHAMEEM, MOHAMMED, US
  - [72] BHATTACHARYA, SOUMENDU, US
  - [72] FORREST, WILLIAM P., JR., US
  - [72] KRISHNAMACHARI, YOGITA, US
  - [71] MERCK SHARP & DOHME CORP., US
  - [85] 2019-10-31
  - [86] 2018-05-01 (PCT/US2018/030459)
  - [87] (WO2018/204368)
  - [30] US (62/500,238) 2017-05-02
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[13] A1

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- [25] EN
- [54] TRIPARTITE ANDROGEN RECEPTOR ELIMINATORS, METHODS AND USES THEREOF
- [54] ELIMINATEURS DE RECEPTEURS DES ANDROGENES TRIPARTITE, METHODES ET UTILISATIONS DE CEUX-CI
- [72] SHAPOSHNIK, ZORY, US
- [71] SPG THERAPEUTICS, INC., US
- [85] 2019-10-31
- [86] 2018-05-01 (PCT/US2018/030538)
- [87] (WO2018/204422)
- [30] US (62/492,822) 2017-05-01

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[13] A1

- [51] Int.Cl. A01N 43/54 (2006.01) A01N 43/653 (2006.01) C07C 229/08 (2006.01)
  - [25] EN
  - [54] USE OF AN ACYCLIC PICOLINAMIDE COMPOUND AS A FUNGICIDE FOR CONTROL OF PHYTOPATHOGENIC FUNGI IN VEGETABLES
  - [54] UTILISATION D'UN COMPOSE PICOLINAMIDE ACYCLIQUE COMME FONGICIDE POUR LUTTER CONTRE DES CHAMPIGNONS PHYTOPATHOGENES DANS DES LEGUMES
  - [72] GALLUP, COURTNEY, US
  - [72] BOSCO, VALENTINO, US
  - [72] YAO, CHENGLIN, US
  - [72] YU, ALISA YE, CN
  - [72] CALIXTO, ALEJANDRO, US
  - [72] MARTIN, MARSHA, US
  - [71] DOW AGROSCIENCES LLC, US
  - [85] 2019-10-31
  - [86] 2018-05-02 (PCT/US2018/030554)
  - [87] (WO2018/204432)
  - [30] US (62/500,172) 2017-05-02
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[13] A1

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- [25] EN
- [54] PREPARATION OF A COATINGS FORMULATION WITH ALKALI SWELLABLE POLYMER PARTICLES
- [54] PREPARATION D'UNE FORMULATION DE REVETEMENT COMPORTANT DES PARTICULES POLYMERES POUVANT GONFLER DANS UN ALCALI
- [72] BARDMAN, JAMES KEITH, US
- [72] DEROCHER, JONATHAN, US
- [72] HEJL, ANDREW, US
- [72] VAN DYK, ANTONY K., US
- [72] WANG, LIN, US
- [72] YEUNG, KIMY, US
- [71] DOW GLOBAL TECHNOLOGIES LLC, US
- [71] ROHM AND HAAS COMPANY, US
- [85] 2019-10-31
- [86] 2018-05-02 (PCT/US2018/030644)
- [87] (WO2018/204493)
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  - [25] EN
  - [54] PROCESS OF PREPARING A MOLDED 3-DIMENSIONAL SELF-CONTAINED SINGLE SERVING PASTA FOOD PRODUCT
  - [54] PROCEDE DE PREPARATION D'UN PRODUIT ALIMENTAIRE A BASE DE PATES EN PORTION INDIVIDUELLE AUTONOME MOULE TRIDIMENSIONNEL
  - [72] FIORENTINO, LUIGI, US
  - [71] FIORENTINO, LUIGI, US
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  - [87] (WO2018/204473)
  - [30] US (62/500,523) 2017-05-03
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- [54] COMPOSITIONS ET METHODES D'EDITION DE GENES DANS DES LYMPHOCYTES T PAR CRISPR/CPF1
- [72] ZHAO, YANGBING, US
- [72] REN, JIANGTAO, US
- [71] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US
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[25] EN  
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[54] SYSTEME ET PROCEDES DE CONSERVATION ET D'ACTIONNEMENT DE VANNE REFLEXIVE  
[72] MCEVOY, TRAVIS KYLE, US  
[72] CHEATHAM, LLOYD, US  
[72] ADAMS, KEITH, US  
[71] GE OIL & GAS PRESSURE CONTROL LP, US  
[85] 2019-10-31  
[86] 2018-05-03 (PCT/US2018/030819)  
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[25] EN  
[54] VALVE OPERATION AND RAPID CONVERSION SYSTEM AND METHOD  
[54] FONCTIONNEMENT DE VANNES ET SYSTEME ET PROCEDE DE CONVERSION RAPIDE  
[72] MCEVOY, TRAVIS KYLE, US  
[72] ADAMS, KEITH, US  
[72] FULLER, TIMOTHY, US  
[72] POWELL, JONATHAN KEITH, US  
[72] CHEATHAM, LLOYD, US  
[71] GE OIL & GAS PRESSURE CONTROL LP, US  
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[54] METHOD OF TESTING PRODUCTS  
[54] PROCEDE DE TEST DE PRODUITS  
[72] PACIFIC, JERRY, US  
[72] JARSKY, STEVEN, US  
[71] PACIFIC, JERRY, US  
[71] JARSKY, STEVEN, US  
[85] 2019-10-31  
[86] 2018-05-03 (PCT/US2018/030883)  
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[25] EN  
[54] METHODS AND COMPOSITIONS FOR IMPROVING EYE HEALTH  
[54] PROCEDES ET COMPOSITIONS POUR AMELIORER LA SANTE OCULAIRE  
[72] SORGENTE, NINO, US  
[72] THUMANN, GABRIELE, CH  
[71] SORGENTE, NINO, US  
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[85] 2019-10-31  
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[25] EN  
[54] MESH SEAM CONNECTION ELEMENT  
[54] ELEMENT DE RACCORDEMENT DE COUTURE MAILLEE  
[72] ST. GERMAIN, BRIAN, US  
[71] LOUISIANA-PACIFIC CORPORATION, US  
[85] 2019-10-31  
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[25] EN  
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[54] DETERMINATION ET AFFICHAGE DE LA LOCALISATION 3D ET DE L'ORIENTATION D'UN BALLONNET D'ABLATION CARDIAQUE  
[72] SRA, JASBIR, US  
[72] KOHUT, SHIVANI, US  
[71] APN HEALTH, LLC, US  
[85] 2019-10-31  
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[54] DISPOSITIFS ET METHODES DE TRAITEMENT DES PAUPIERES  
[72] LITHERLAND, CRAIG, US  
[72] JACCOMA, EDWARD, US  
[72] JACCOMA, ANDREW, US  
[71] LITHERLAND, CRAIG, US  
[71] JACCOMA, EDWARD, US  
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[85] 2019-10-31  
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[25] EN  
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[54] COURTS ADAPTATEURS UNIVERSELS POUR L'INDEXAGE D'ECHANTILLONS DE POLYNUCLEOTIDES  
[72] SINGER, TATJANA, US  
[72] KELLEY, RYAN, US  
[72] BEAN, GORDON, US  
[72] VERMAAS, ERIC, US  
[71] ILLUMINA, INC., US  
[85] 2019-10-31  
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[25] EN  
[54] METHOD FOR MEASURING MULTIPLE PARAMETERS OF DRILLING FLUID  
[54] PROCEDE DE MESURE DE PARAMETRES MULTIPLES DE FLUIDE DE FORAGE  
[72] MOHR, CHARLES L., US  
[72] MOHR, BRANDT C., US  
[72] MOHR, BENNO, US  
[72] STORDAHL, MICHAEL, US  
[72] VAN CORBACH, JAMES, US  
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[72] MAY, PRESTON, US  
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[71] MOHR AND ASSOCIATES, A SOLE PROPRIETORSHIP, US  
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[54] ARCHITECTURE D'EMPILEMENT COMPACT DE PILES ELECTROCHIMIQUES A HAUTE TEMPERATURE  
[72] BROWN, CASY CLOUDLESS, CA  
[72] LUC, KHUN BONG, CA  
[72] RANKIN, CAMERON JAMES, CA  
[71] VERSA POWER SYSTEMS LTD., US  
[85] 2019-10-31  
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[54] ANTICORPS ANTI-FGFR2 EN COMBINAISON AVEC DES AGENTS DE CHIMIOTHERAPIE DANS LE TRAITEMENT DU CANCER  
[72] COLLINS, HELEN L., US  
[72] HNATYSZYN, JAMES, US  
[72] XIANG, HONG, US  
[72] ZHANG, XIANG, US  
[71] FIVE PRIME THERAPEUTICS, INC., US  
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[25] EN  
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[54] SYSTEME ET PROCEDES DE TRAITEMENT PREVENTIF DE TISSU DUR DENTAIRE A L'AIDE D'UN LASER  
[72] GROVES, WILLIAM H., JR., US  
[72] DRESSER, CHARLES H., US  
[72] MONTY, NATHAN P., US  
[72] WANG, ZHIJIE, US  
[72] RICCI, CHRISTOPHER, US  
[72] QUILLARD, JON R., US  
[71] CONVERGENT DENTAL, INC., US  
[85] 2019-10-31  
[86] 2018-05-10 (PCT/US2018/032022)  
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[25] EN  
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[54] METHODES DE TRAITEMENT SELECTIF DE L'ASTHME AU MOYEN D'ANTAGONISTES DE L'IL-17  
[72] GRANT, SARAH SCHMIDT, US  
[72] KAZANI, SHAMSAH, US  
[72] KHOKHOVICH, EDWARD, US  
[72] LARAMIE, JASON, US  
[72] STRIETER, ROBERT MARTIN, US  
[72] THORNTON-WELLS, TRICIA ANN, US  
[71] NOVARTIS AG, CH  
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[86] 2018-05-04 (PCT/IB2018/053106)  
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<p style="text-align: right;"><b>[21] 3,062,181</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. G06F 7/00 (2006.01)</p> <p>[25] EN</p> <p>[54] SCALABLE SYSTEMS AND METHODS FOR MONITORING AND CONCIERGE SERVICE</p> <p>[54] SYSTEMES ET PROCEDES EXTENSIBLES POUR SURVEILLANCE ET SERVICE DE CONCIERGERIE</p> <p>[72] SCHÖNFELDER, LUKE ANDREW, US</p> <p>[72] JONES, MICHAEL BRIAN, US</p> <p>[72] DHANAK, SAAYUJ, US</p> <p>[71] LATCHABLE, INC., US</p> <p>[85] 2019-10-31</p> <p>[86] 2018-05-17 (PCT/US2018/033285)</p> <p>[87] (WO2018/213648)</p> <p>[30] US (62/507,672) 2017-05-17</p>
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<p style="text-align: right;"><b>[21] 3,062,182</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B60Q 9/00 (2006.01) B60R 3/02 (2006.01) B65G 21/12 (2006.01) B65G 41/00 (2006.01) B65G 41/02 (2006.01) E01C 19/00 (2006.01) G05D 1/02 (2006.01)</p> <p>[25] EN</p> <p>[54] QUICK-CHANGE ATTACHMENT FOR MATERIAL TRANSFER VEHICLE</p> <p>[54] FIXATION A CHANGEMENT RAPIDE POUR VEHICULE DE TRANSFERT DE MATERIAU</p> <p>[72] HOFFMANN, JOHN ERIC, US</p> <p>[72] BECKMAN, NATHAN THOMAS, US</p> <p>[71] ROADTEC, INC., US</p> <p>[85] 2019-10-31</p> <p>[86] 2018-05-21 (PCT/US2018/033602)</p> <p>[87] (WO2018/222426)</p> <p>[30] US (62/513,593) 2017-06-01</p>
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<p style="text-align: right;"><b>[21] 3,062,183</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. C08K 5/098 (2006.01) C08K 5/13 (2006.01) C08K 5/51 (2006.01) C08L 23/04 (2006.01)</p> <p>[25] EN</p> <p>[54] METHODS FOR IMPROVING COLOR STABILITY IN POLYETHYLENE RESINS</p> <p>[54] PROCEDES POUR L'AMELIORATION DE LA STABILITE DE LA COULEUR DANS DES RESINES DE POLYETHYLENE</p> <p>[72] KAMPLAIN, JUSTIN WADE, US</p> <p>[72] LANIER, ELIZABETH MARY, US</p> <p>[71] CHEVRON PHILLIPS CHEMICAL COMPANY LP, US</p> <p>[85] 2019-10-31</p> <p>[86] 2018-05-22 (PCT/US2018/033921)</p> <p>[87] (WO2018/217772)</p> <p>[30] US (62/510,787) 2017-05-25</p>
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<p style="text-align: right;"><b>[21] 3,062,184</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A47C 4/30 (2006.01) A47C 4/34 (2006.01)</p> <p>[25] EN</p> <p>[54] PORTABLE CHAIR AND METHODS OF FORMING A PORTABLE CHAIR</p> <p>[54] CHAISE PORTABLE ET PROCEDES DE FORMATION D'UNE CHAISE PORTABLE</p> <p>[72] DOOLAN, WILLIAM S., US</p> <p>[72] NICHOLS, STEVE CHARLES, US</p> <p>[72] SEIDERS, ROY JOSEPH, US</p> <p>[71] YETI COOLERS, LLC, US</p> <p>[85] 2019-10-31</p> <p>[86] 2018-05-23 (PCT/US2018/034040)</p> <p>[87] (WO2018/217838)</p> <p>[30] US (15/602,841) 2017-05-23</p>
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<p style="text-align: right;"><b>[21] 3,062,185</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. C07D 471/04 (2006.01) A61K 31/437 (2006.01) A61K 31/444 (2006.01) A61K 31/454 (2006.01) A61K 31/496 (2006.01) A61K 31/5377 (2006.01) A61P 11/00 (2006.01) A61P 35/00 (2006.01) C07D 491/052 (2006.01) C07D 495/04 (2006.01) C07D 498/04 (2006.01) C07D 513/04 (2006.01)</p> <p>[25] EN</p> <p>[54] SUBSTITUTED BICYCLIC HETEROCYCLIC COMPOUNDS AS NADPH OXIDASE INHIBITORS</p> <p>[54] COMPOSES HETEROCYCLIQUES BICYCLIQUES SUBSTITUES UTILISES EN TANT QU'INHIBITEURS DE NADPH OXYDASE</p> <p>[72] KUMAR, SUKEERTHI, IN</p> <p>[72] CHAUDHARI, SACHIN SUNDARLAL, IN</p> <p>[72] GHARAT, LAXMIKANT ATMARAM, IN</p> <p>[72] KHAIRATKAR-JOSHI, NEELIMA, IN</p> <p>[72] SHAH, DAISY MANISH, IN</p> <p>[72] MUKHOPADHYAY, INDRANIL, IN</p> <p>[72] THOMAS, ABRAHAM, IN</p> <p>[71] GLENMARK PHARMACEUTICALS S.A., CH</p> <p>[85] 2019-10-31</p> <p>[86] 2018-05-04 (PCT/IB2018/053121)</p> <p>[87] (WO2018/203298)</p> <p>[30] IN (201721015787) 2017-05-04</p>
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<p>[21] 3,062,193 [13] A1</p> <p>[51] Int.Cl. H04B 7/06 (2006.01) H04W 72/04 (2009.01) H04W 74/08 (2009.01)</p> <p>[25] EN</p> <p>[54] SYSTEM AND METHOD FOR TRANSMITTING BEAM FAILURE RECOVERY REQUEST</p> <p>[54] SYSTEME ET PROCEDE DE TRANSMISSION DE DEMANDE DE REPRISE SUR DEFAILLANCE DE FAISCEAU</p> <p>[72] ISLAM, MUHAMMAD NAZMUL, US</p> <p>[72] SUBRAMANIAN, SUNDAR, US</p> <p>[72] CEZANNE, JUERGEN, US</p> <p>[72] LI, JUNYI, US</p> <p>[71] QUALCOMM INCORPORATED, US</p> <p>[85] 2019-10-31</p> <p>[86] 2018-06-08 (PCT/US2018/036763)</p> <p>[87] (WO2018/231655)</p> <p>[30] US (62/519,769) 2017-06-14</p> <p>[30] US (62/567,062) 2017-10-02</p> <p>[30] US (16/002,876) 2018-06-07</p>
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<p>[21] 3,062,194 [13] A1</p> <p>[51] Int.Cl. C07K 16/28 (2006.01)</p> <p>[25] EN</p> <p>[54] METHOD OF TREATING OR AMELIORATING METABOLIC DISORDERS USING BINDING PROTEINS FOR GASTRIC INHIBITORY PEPTIDE RECEPTOR (GIPR) IN COMBINATION WITH GLP-1 AGONISTS</p> <p>[54] METHODE DE TRAITEMENT OU DE REDUCTION DE TROUBLES METABOLIQUES A L'AIDE DE PROTEINES DE LIAISON AU RECEPTEUR DU PEPTIDE INHIBITEUR GASTRIQUE (GIPR) EN ASSOCIATION AVEC DES AGONISTES DU GLP-1</p> <p>[72] BATES, DARREN L., US</p> <p>[72] SHI, DONGHUI, US</p> <p>[72] LLOYD, DAVID J., US</p> <p>[72] BONDARENKO, PAVEL, US</p> <p>[72] MICHAELS, MARK L., US</p> <p>[72] HAGER, TODD, US</p> <p>[72] MIN, XIAOSHAN, US</p> <p>[72] UMEDA, AIKO, US</p> <p>[72] CHEN, IRWIN, US</p> <p>[72] WANG, ZHULUN, US</p> <p>[71] AMGEN INC., US</p> <p>[85] 2019-10-31</p> <p>[86] 2018-06-20 (PCT/US2018/038638)</p> <p>[87] (WO2018/237097)</p> <p>[30] US (62/522,559) 2017-06-20</p>
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<p>[21] <b>3,062,197</b> [13] A1</p> <p>[51] Int.Cl. H04L 5/00 (2006.01) H04B 7/0452 (2017.01) H04B 7/06 (2006.01) H04L 25/02 (2006.01)</p> <p>[25] EN</p> <p>[54] INTERFERENCE MEASUREMENTS AND CHANNEL STATE INFORMATION FEEDBACK FOR MULTI-USER MULTIPLE-IN MULTIPLE-OUT</p> <p>[54] MESURES D'INTERFERENCE ET RETROACTION D'INFORMATIONS D'ETAT DE CANAL POUR ENTREES ET SORTIES MULTIPLES A UTILISATEURS MULTIPLES</p> <p>[72] GAO, SHIWEI, CA [72] FAXER, SEBASTIAN, SE [72] FRENNE, MATTIAS, SE [72] GRANT, STEPHEN, US [72] HARRISON, ROBERT MARK, US [72] MURUGANATHAN, SIVA, CA [71] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE [85] 2019-10-31 [86] 2018-05-04 (PCT/IB2018/053133) [87] (WO2018/203307) [30] US (62/502,454) 2017-05-05</p>
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<p>[21] <b>3,062,199</b> [13] A1</p> <p>[51] Int.Cl. G06F 17/00 (2019.01) H04L 9/00 (2006.01)</p> <p>[25] EN</p> <p>[54] ACCESS CONTROL SYSTEM [54] SYSTEME DE COMMANDE D'ACCES</p> <p>[72] ISSA, ALBERT, AU [72] CAREY, PETER, AU [72] TAYLOR, ALEX, AU [71] HANGAR HOLDINGS PTY LTD, AU [85] 2019-11-01 [86] 2018-05-01 (PCT/AU2018/050398) [87] (WO2018/201187) [30] AU (2017901631) 2017-05-04</p>
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<p>[21] <b>3,062,202</b> [13] A1</p> <p>[51] Int.Cl. G21B 1/11 (2006.01) H05H 1/24 (2006.01)</p> <p>[25] EN</p> <p>[54] METHODS AND SYSTEMS FOR IMPLoding A LIQUID LINER</p> <p>[54] PROCEDES ET SYSTEMES D'IMPLOSION D'UN REVETEMENT LIQUIDE</p> <p>[72] ZIMMERMANN, JOERG, CA [72] PLANT, DAVID FRANKLIN, CA [72] BOUCHAL, ROBERT VLASTIMIL, CA [72] TYLER, TROY NICKOLAS, CA [72] SUPONITSKY, VICTORIA, CA [72] DELAGE, MICHAEL HARCOURT, CA [72] LABERGE, MICHEL GEORGES, CA [72] WILLIAMS, MALCOLM NEWTON, CA [71] GENERAL FUSION, INC., CA [85] 2019-11-01 [86] 2018-04-16 (PCT/CA2018/050456) [87] (WO2018/201226) [30] US (62/492,776) 2017-05-01 [30] US (62/532,819) 2017-07-14</p>
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<p>[21] <b>3,062,204</b> [13] A1</p> <p>[51] Int.Cl. A61K 36/185 (2006.01) A61P 31/04 (2006.01) A61P 33/02 (2006.01)</p> <p>[25] EN</p> <p>[54] TERMINALIA FERDINANDIANA EXTRACT AND PRODUCTS CONTAINING EXTRACT OF TERMINALIA FERDINANDIANA FOR ANTIMICROBIAL OR ANTIBACTERIAL APPLICATIONS</p> <p>[54] EXTRAIT DE TERMINALIA FERDINANDIANA ET PRODUITS LE CONTENANT POUR DES APPLICATIONS ANTIMICROBIENNES OU ANTIBACTERIENNES</p> <p>[72] COCK, IAN EDWIN, AU [72] BOEHME, DAVID JOHN, AU [72] MILES, ROSLYN ANNE, AU [71] RISING PHOENIX INDUSTRIES PTY LTD, AU [85] 2019-11-01 [86] 2018-05-04 (PCT/AU2018/050408) [87] (WO2018/201196) [30] AU (2017901637) 2017-05-04</p>
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<p>[21] <b>3,062,206</b> [13] A1</p> <p>[51] Int.Cl. B29D 11/00 (2006.01) G02B 1/04 (2006.01) G02C 7/04 (2006.01)</p> <p>[25] EN</p> <p>[54] SILICONE HYDROGEL CONTACT LENSES</p> <p>[54] LENTILLES DE CONTACT EN HYDROGEL DE SILICONE</p> <p>[72] ZHANG, STEVE YUN, US [72] WU, DAQING, US [72] GE, JUNHAO, US [72] BREITKOPF, RICHARD CHARLES, US [72] QIAN, XINMING, US [72] MUÑOZ, ZACH, US [72] NELSON, MATTHEW D., US [72] KUMI, AUGUSTINE TWUM, US [72] LANG, WEIHONG, US [72] ZHENG, YING, US [72] JING, FENG, US [72] CHANG, FRANK, US [71] ALCON INC., CH [85] 2019-10-31 [86] 2018-06-06 (PCT/IB2018/054047) [87] (WO2018/224976) [30] US (62/516,215) 2017-06-07</p>
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<p>[21] <b>3,062,209</b> [13] A1</p> <p>[51] Int.Cl. H05H 1/00 (2006.01) B05C 7/00 (2006.01) H05H 1/24 (2006.01) G21B 1/11 (2006.01)</p> <p>[25] EN</p> <p>[54] METHODS AND SYSTEMS FOR FORMING A LIQUID LINER OF A CAVITY</p> <p>[54] PROCEDES ET SYSTEMES POUR FORMER UN REVETEMENT LIQUIDE D'UNE CAVITE</p> <p>[72] ZIMMERMANN, JOERG, CA [72] PLANT, DAVID FRANKLIN, CA [72] BOUCHAL, ROBERT VLASTIMIL, CA [72] TYLER, TROY NICKOLAS, CA [72] SUPONITSKY, VICTORIA, CA [72] DELAGE, MICHAEL HARCOURT, CA [72] LABERGE, MICHEL GEORGES, CA [71] GENERAL FUSION INC., CA [85] 2019-11-01 [86] 2018-04-16 (PCT/CA2018/050457) [87] (WO2018/201227) [30] US (62/492,776) 2017-05-01 [30] US (62/532,819) 2017-07-14</p>
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[21] **3,062,215**

[13] A1

- [51] Int.Cl. H04W 56/00 (2009.01)
  - [25] EN
  - [54] SIGNAL TRANSMISSION METHOD AND APPARATUS
  - [54] PROCEDE ET DISPOSITIF D'EMISSION DE SIGNAL
  - [72] SHI, HONGZHE, CN
  - [72] LIU, JIN, CN
  - [72] LUO, JUN, CN
  - [71] HUAWEI TECHNOLOGIES CO., LTD., CN
  - [85] 2019-11-01
  - [86] 2018-04-28 (PCT/CN2018/085147)
  - [87] (WO2018/202015)
  - [30] CN (201710309325.1) 2017-05-04
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[21] **3,062,216**

[13] A1

- [51] Int.Cl. E04F 13/22 (2006.01) E04F 13/24 (2006.01)
  - [25] EN
  - [54] SHELF ANGLE SUPPORT
  - [54] SUPPORT DE CORNIERE
  - [72] VUKELIC, ZORAN, CA
  - [71] VUKELIC, ZORAN, CA
  - [85] 2019-11-01
  - [86] 2018-05-01 (PCT/CA2018/050516)
  - [87] (WO2018/201245)
  - [30] US (62/492,766) 2017-05-01
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[21] **3,062,218**

[13] A1

- [51] Int.Cl. H04W 68/02 (2009.01) H04W 16/28 (2009.01)
  - [25] EN
  - [54] PAGING METHOD AND APPARATUS
  - [54] PROCEDE ET APPAREIL DE RADIOMESSAGERIE
  - [72] LIU, JIANQIN, CN
  - [72] HE, CHUANFENG, CN
  - [71] HUAWEI TECHNOLOGIES CO., LTD., CN
  - [85] 2019-11-01
  - [86] 2018-05-04 (PCT/CN2018/085547)
  - [87] (WO2018/202114)
  - [30] CN (201710309839.7) 2017-05-04
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[21] **3,062,221**

[13] A1

- [51] Int.Cl. F16B 5/02 (2006.01) F16B 33/06 (2006.01)
  - [25] EN
  - [54] FASTENER FOR ATTACHING TOGETHER WORKPIECES HAVING ALIGNED HOLES THERETHROUGH
  - [54] DISPOSITIF DE FIXATION POUR FIXER ENSEMBLE DES PIECES AYANT DES TROUS ALIGNES A TRAVERS CELLES-CI
  - [72] ROSING, JURGEN, DE
  - [72] BUSSE, MEINDERT, DE
  - [72] DOHMEYER, JAN, DE
  - [72] DZEBO, SEAD, DE
  - [72] TIMPE, TORSTEN, DE
  - [71] FAIRCHILD FASTENERS EUROPE - VSD GMBH, DE
  - [85] 2019-11-01
  - [86] 2018-05-04 (PCT/EP2018/061590)
  - [87] (WO2018/202887)
  - [30] EP (17169432.6) 2017-05-04
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[21] **3,062,222**

[13] A1

- [51] Int.Cl. H04W 72/04 (2009.01) H04L 5/00 (2006.01)
  - [25] EN
  - [54] CONTROL INFORMATION TRANSMISSION METHOD, RELATED APPARATUS, AND COMPUTER STORAGE MEDIUM
  - [54] PROCEDE DE TRANSMISSION D'INFORMATIONS DE COMMANDE, DISPOSITIF ASSOCIE ET SUPPORT DE STOCKAGE INFORMATIQUE
  - [72] ZHANG, XU, CN
  - [72] WANG, JIANGUO, CN
  - [72] XUE, LIXIA, CN
  - [72] CHEN, ZHENG, CN
  - [71] HUAWEI TECHNOLOGIES CO., LTD., CN
  - [85] 2019-11-01
  - [86] 2018-05-04 (PCT/CN2018/085709)
  - [87] (WO2018/202164)
  - [30] CN (201710309765.7) 2017-05-04
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[21] **3,062,225**

[13] A1

- [51] Int.Cl. C07D 317/14 (2006.01) A01N 43/26 (2006.01) A01N 43/824 (2006.01) C07D 255/02 (2006.01) C07D 257/06 (2006.01) C07D 271/04 (2006.01) C07D 271/06 (2006.01)
  - [25] EN
  - [54] 4-DIFLUOROMETHYL BENZOYL AMIDES WITH HERBICIDAL ACTION
  - [54] 4- DIFLUOROMETHYLBENZOYLA MIDES A EFFET HERBICIDE
  - [72] AHRENS, HARTMUT, DE
  - [72] TIEBES, JORG, DE
  - [72] WALDRAFF, CHRISTIAN, DE
  - [72] DIETRICH, HANSJORG, DE
  - [72] GATZWEILER, ELMAR, DE
  - [72] ROSINGER, CHRISTOPHER HUGH, DE
  - [72] MACHETTIRA, ANU BHEEMAIAH, DE
  - [71] BAYER CROPSCIENCE AKTIENGESELLSCHAFT, DE
  - [85] 2019-11-01
  - [86] 2018-04-26 (PCT/EP2018/060709)
  - [87] (WO2018/202535)
  - [30] EP (17169505.9) 2017-05-04
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[21] **3,062,227**

[13] A1

- [51] Int.Cl. F01D 1/02 (2006.01) F01D 5/04 (2006.01) F01D 5/18 (2006.01) F02K 3/068 (2006.01)
- [25] EN
- [54] PROCEDE DE CONSTRUCTION DE PROPULSEURS OU DE MOTEURS CONTENUS DANS UN CARTER CYLINDRIQUE ET PROPULSEUR OU MOTEUR ASSOCIE
- [54] METHOD FOR CONSTRUCTING ENGINES OR MOTORS CONTAINED IN A CYLINDRICAL CASING
- [72] CARROUSET, PIERRE, FR
- [71] CARPYZ SAS, FR
- [85] 2019-11-01
- [86] 2018-05-03 (PCT/EP2018/061255)
- [87] (WO2018/202738)
- [30] LU (100192) 2017-05-04

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**[21] 3,062,229**

[13] A1

- [51] Int.Cl. A01G 9/20 (2006.01) H01L 33/04 (2010.01) H05B 37/02 (2006.01)
- [25] EN
- [54] METHOD OF GROWING PLANTS USING LED LIGHT AND LED LIGHT SYSTEM EMPLOYING SAME
- [54] PROCEDE DE CULTURE DE PLANTES UTILISANT UNE LAMPE A DEL ET SYSTEME DE LAMPE A DEL L'UTILISANT
- [72] PALEVANINEZHAD, MAJID, CA
- [72] SCHERWITZ, SAM, CA
- [72] PALEVANINEZHAD, HAMID, CA
- [71] 10644137 CANADA INC., CA
- [85] 2019-11-01
- [86] 2018-05-02 (PCT/CA2018/050522)
- [87] (WO2018/201250)
- [30] US (62/500,096) 2017-05-02
- [30] US (62/586,315) 2017-11-15

**[21] 3,062,231**

[13] A1

- [51] Int.Cl. H04N 21/266 (2011.01) H04N 21/418 (2011.01) H04N 21/4623 (2011.01) H04N 21/6334 (2011.01) H04N 7/167 (2011.01)
- [25] EN
- [54] PRE-ENTITLEMENT ENFORCEMENT
- [54] MISE EN APPLICATION D'UNE PRE-DOTATION
- [72] HUNACEK, DIDIER, CH
- [72] FISCHER, JEAN-BERNARD, CH
- [71] NAGRAVISION SA, CH
- [85] 2019-11-01
- [86] 2018-05-03 (PCT/EP2018/061332)
- [87] (WO2018/202768)
- [30] EP (17169830.1) 2017-05-05

**[21] 3,062,233**

[13] A1

- [51] Int.Cl. C07K 16/30 (2006.01)
- [25] EN
- [54] ANTIBODIES AGAINST CARCINOEMBRYONIC ANTIGEN FOR CANCER THERAPY AND DIAGNOSIS
- [54] ANTICORPS DIRIGES CONTRE L'ANTIGENE CARCINO-EMBRYONNAIRE POUR LA THERAPIE ET LE DIAGNOSTIC DU CANCER
- [72] CUVILLIER, ARNELLE, FR
- [72] CHAMPIER, GAEL, FR
- [71] B CELL DESIGN, FR
- [85] 2019-11-01
- [86] 2018-05-03 (PCT/EP2018/061385)
- [87] (WO2018/202794)
- [30] EP (17305498.2) 2017-05-04

**[21] 3,062,238**

[13] A1

- [51] Int.Cl. C07K 16/18 (2006.01) C07K 16/40 (2006.01) C12N 15/13 (2006.01)
- [25] EN
- [54] GLYCOSYLATION OF VARIABLE IMMUNOGLOBULIN DOMAINS
- [54] GLYCOSYLATION DE DOMAINES VARIABLES D'IMMUNOGLOBULINE
- [72] CALLEWAERT, NICO, BE
- [72] LAUKENS, BRAM, BE
- [72] VAN SCHIE, LOES, BE
- [72] VAN BREEDAM, WANDER, BE
- [72] NERINCKX, WIM, BE
- [71] VIB VZW, BE
- [71] UNIVERSITEIT GENT, BE
- [85] 2019-11-01
- [86] 2018-05-09 (PCT/EP2018/062154)
- [87] (WO2018/206734)
- [30] EP (17170661.7) 2017-05-11

**[21] 3,062,240**

[13] A1

- [51] Int.Cl. D02G 3/44 (2006.01) A63B 51/02 (2015.01) D01F 8/12 (2006.01)
- [25] EN
- [54] MONOFILAMENT STRING FOR A RACKET AND PROCESS FOR MANUFACTURING SUCH A MONOFILAMENT STRING
- [54] CORDE A MONOFILAMENT POUR UNE RAQUETTE ET PROCESSUS DE FABRICATION D'UNE TELLE CORDE A MONOFILAMENT
- [72] DUVAL, SEBASTIEN, FR
- [71] SPEED FRANCE SAS, FR
- [85] 2019-11-01
- [86] 2018-06-20 (PCT/EP2018/066399)
- [87] (WO2018/234376)
- [30] EP (17305764.7) 2017-06-21

**[21] 3,062,236**

[13] A1

- [51] Int.Cl. A47G 25/00 (2006.01) A45F 3/04 (2006.01) A47C 7/02 (2006.01) A47G 29/00 (2006.01)
- [25] EN
- [54] LAUNDRY HAMPER
- [54] PANIER A LINGE
- [72] LUTHRA, ANU, CA
- [71] LUTHRA, ANU, CA
- [85] 2019-11-01
- [86] 2018-05-03 (PCT/CA2018/050532)
- [87] (WO2018/201256)
- [30] US (62/501,392) 2017-05-04

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<p style="text-align: right;"><b>[21] 3,062,241</b> [13] A1</p> <p>[51] Int.Cl. C07K 14/475 (2006.01) A61K 38/18 (2006.01)</p> <p>[25] EN</p> <p>[54] C-TERMINAL CDNF AND MANF FRAGMENTS, PHARMACEUTICAL COMPOSITIONS COMPRISING SAME AND USES THEREOF</p> <p>[54] FRAGMENTS CDNF ET MANF C-TERMINAUX, COMPOSITIONS PHARMACEUTIQUES LES COMPRENANT ET LEURS UTILISATIONS</p> <p>[72] SAARMA, MART, FI</p> <p>[72] AIRAVAARA, MIKKO, FI</p> <p>[72] VOUTILAINEN, MERJA, FI</p> <p>[72] YU, LI YING, FI</p> <p>[72] LINDAHL, MARIA, FI</p> <p>[71] HELSINGIN YLIOPISTO, FI</p> <p>[85] 2019-11-01</p> <p>[86] 2018-05-04 (PCT/FI2018/05032)</p> <p>[87] (WO2018/202957)</p> <p>[30] FI (20175392) 2017-05-04</p>	<p style="text-align: right;"><b>[21] 3,062,244</b> [13] A1</p> <p>[51] Int.Cl. B65D 17/28 (2006.01)</p> <p>[25] EN</p> <p>[54] EASY OPEN CLOSURE</p> <p>[54] FERMETURE A OUVERTURE FACILE</p> <p>[72] HALL, JASON, GB</p> <p>[72] TACHET, CEDRIC, GB</p> <p>[71] CROWN PACKAGING TECHNOLOGY, INC., US</p> <p>[85] 2019-11-01</p> <p>[86] 2018-02-12 (PCT/GB2018/050375)</p> <p>[87] (WO2018/203027)</p> <p>[30] GB (1706949.3) 2017-05-02</p>	<p style="text-align: right;"><b>[21] 3,062,248</b> [13] A1</p> <p>[51] Int.Cl. C12Q 1/6806 (2018.01) C12Q 1/6874 (2018.01) C12N 5/00 (2006.01)</p> <p>[25] EN</p> <p>[54] METHODS FOR TRAPPING AND BARCODING DISCRETE BIOLOGICAL UNITS IN HYDROGEL</p> <p>[54] PROCEDES POUR PIEGER ET CODER PAR CODE A BARRES DES UNITES BIOLOGIQUES DISCRETES DANS UN HYDROGEL</p> <p>[72] EDELSTEIN, STUART J., FR</p> <p>[71] SCIPIO BIOSCIENCE, FR</p> <p>[85] 2019-11-01</p> <p>[86] 2018-05-04 (PCT/IB2018/000612)</p> <p>[87] (WO2018/203141)</p> <p>[30] US (62/502,180) 2017-05-05</p>
<p style="text-align: right;"><b>[21] 3,062,242</b> [13] A1</p> <p>[51] Int.Cl. G01S 5/00 (2006.01) F21V 21/00 (2006.01) G01S 5/14 (2006.01) G01S 13/74 (2006.01) H05B 37/02 (2006.01)</p> <p>[25] EN</p> <p>[54] MULTI-DIMENSIONAL LOCATION OF AN OBJECT USING MULTIPLE ELECTRICAL DEVICES</p> <p>[54] LOCALISATION MULTIDIMENSIONNELLE D'UN OBJET EN UTILISANT DE MULTIPLES DISPOSITIFS ELECTRIQUES</p> <p>[72] PATEL, VRAJESH UPENDRABHAI, US</p> <p>[72] MATUTE, LEONARDO ENRIQUE, US</p> <p>[71] EATON INTELLIGENT POWER LIMITED, IE</p> <p>[85] 2019-11-01</p> <p>[86] 2018-05-02 (PCT/IB2018/000575)</p> <p>[87] (WO2018/203135)</p> <p>[30] US (62/501,479) 2017-05-04</p>	<p style="text-align: right;"><b>[21] 3,062,245</b> [13] A1</p> <p>[51] Int.Cl. E21B 41/00 (2006.01) E21B 43/12 (2006.01)</p> <p>[25] EN</p> <p>[54] SYSTEM AND METHOD FOR HYDRAULICALLY DRIVEN UNDERWATER PUMPING</p> <p>[54] SYSTEME ET PROCEDE DE POMPAGE SOUS-MARIN A ENTRAINEMENT HYDRAULIQUE</p> <p>[72] RODRIGUES, ROBERTO, BR</p> <p>[72] ALBERTO BANDEIRA RIBEIRO CARDOSO, CARLOS, BR</p> <p>[72] SILVA VIEIRA, TATIANE, BR</p> <p>[71] PETROLEO BRASILEIRO S.A. - PETROBRAS, BR</p> <p>[85] 2019-11-01</p> <p>[86] 2018-05-03 (PCT/GB2018/051189)</p> <p>[87] (WO2018/203070)</p> <p>[30] BR (102017009298-4) 2017-05-03</p>	<p style="text-align: right;"><b>[21] 3,062,250</b> [13] A1</p> <p>[51] Int.Cl. A61K 45/06 (2006.01) C12Q 1/6886 (2018.01)</p> <p>[25] EN</p> <p>[54] TREATMENT OF RAPIDLY EVOLVING BIOLOGICAL ENTITIES</p> <p>[54] TRAITEMENT D'ENTITES BIOLOGIQUES A EVOLUTION RAPIDE</p> <p>[72] BACHELET, IDO, IL</p> <p>[72] LAVI, EREZ, IL</p> <p>[72] SASSON, SAPIR, IL</p> <p>[72] BASSALI, LIRON A., IL</p> <p>[72] DEBBY, ELINOR, IL</p> <p>[72] SHAPIRO, ANASTASIA, IL</p> <p>[72] RUSINEK, ITAI, IL</p> <p>[72] HARARI, GIL, IL</p> <p>[72] KARO-ATAR, DANIELLE, IL</p> <p>[72] MAMET, NOAM, IL</p> <p>[72] AMIR, YANIV, IL</p> <p>[72] ABU-HOROWITZ, ALMOGIT, IL</p> <p>[71] AUGMANITY NANO LTD, IL</p> <p>[85] 2019-11-01</p> <p>[86] 2018-05-07 (PCT/IB2018/000613)</p> <p>[87] (WO2018/207024)</p> <p>[30] US (62/503,074) 2017-05-08</p>
<p style="text-align: right;"><b>[21] 3,062,247</b> [13] A1</p> <p>[51] Int.Cl. A61K 31/135 (2006.01) A61P 25/08 (2006.01)</p> <p>[25] EN</p> <p>[54] METHODS OF TREATING DOOSE SYNDROME USING FENFLURAMINE</p> <p>[54] METHODES DE TRAITEMENT DU SYNDROME DE DOOSE A L'AIDE DE LA FENFLURAMINE</p> <p>[72] BOYD, BROOKS, US</p> <p>[72] FARR, STEPHEN J., US</p> <p>[72] GALER, BRADLEY, US</p> <p>[71] ZOGENIX INTERNATIONAL LIMITED, GB</p> <p>[85] 2019-11-01</p> <p>[86] 2018-05-04 (PCT/GB2018/051210)</p> <p>[87] (WO2018/206924)</p> <p>[30] US (62/503,638) 2017-05-09</p> <p>[30] US (62/581,375) 2017-11-03</p>		

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  - [54] A RAKE
  - [54] RATEAU
  - [72] SERLACHIUS, FREDRIK, FI
  - [72] ENAJARVI, JUKKA, FI
  - [71] SERLACHIUS, FREDRIK, FI
  - [71] ENAJARVI, JUKKA, FI
  - [85] 2019-11-01
  - [86] 2018-05-02 (PCT/FI2018/000012)
  - [87] (WO2018/202939)
  - [30] FI (20170067) 2017-05-02
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  - [25] EN
  - [54] APPARATUS AND METHOD FOR COATING BULK MATERIAL
  - [54] APPAREIL ET PROCEDE D'ENROBAGE DE PRODUITS EN VRAC
  - [72] GANDOLFI, NICOLA, IT
  - [72] DARRAGJATI, GJERGJ, IT
  - [71] I.M.A. INDUSTRIA MACCHINE AUTOMATICHE S.P.A., IT
  - [85] 2019-11-01
  - [86] 2018-05-02 (PCT/IB2018/053027)
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  - [30] IT (102017000047403) 2017-05-03
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  - [25] EN
  - [54] A 3-FABRIC LAYER INSULATION MATERIAL AND A METHOD AND AN ARRANGEMENT FOR PRODUCING THE SAME
  - [54] MATERIAU ISOLANT A TROIS COUCHES DE TISSU ET PROCEDE ET DISPOSITIF DE FABRICATION DE CELUI-CI
  - [72] TUORINIEMI, VEIJO, FI
  - [71] ORIGOPRO OY, FI
  - [85] 2019-11-01
  - [86] 2018-05-02 (PCT/FI2018/050319)
  - [87] (WO2018/130751)
  - [30] FI (20175390) 2017-05-04
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  - [25] EN
  - [54] TRISUBSTITUTED PYRIMIDINE COMPOUNDS AND COMPOSITIONS FOR THE TREATMENT OF CANCER, RETINAL DISORDERS, AND CARDIOMYOPATHIES
  - [54] COMPOSES DE PYRIMIDINE TRISUBSTITUEE ET COMPOSITIONS POUR LE TRAITEMENT DU CANCER, DE TROUBLES DE LA RETINE ET DE CARDIOMYOPATHIES
  - [72] DE VIVO, MARCO, IT
  - [72] GANESAN, ANAND, US
  - [72] ORTEGA MARTINEZ, JOSE ANTONIO, IT
  - [72] JAHID, SOHAIL, US
  - [71] FONDAZIONE ISTITUTO ITALIANO DI TECNOLOGIA, IT
  - [71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
  - [85] 2019-11-01
  - [86] 2018-05-02 (PCT/IB2018/053047)
  - [87] (WO2018/203256)
  - [30] IT (102017000047189) 2017-05-02
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[13] A1

- [51] Int.Cl. C08B 3/00 (2006.01) C08B 5/00 (2006.01) C08B 5/14 (2006.01)
  - [25] EN
  - [54] CELLULOSE DERIVATIVES
  - [54] DERIVES DE CELLULOSE
  - [72] PAHIMANOLIS, NIKOLAOS, FI
  - [71] BETULIUM OY, FI
  - [85] 2019-11-01
  - [86] 2018-05-04 (PCT/FI2018/050328)
  - [87] (WO2018/202955)
  - [30] FI (20175394) 2017-05-05
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[13] A1

- [51] Int.Cl. A61K 31/4422 (2006.01) A61P 35/00 (2006.01)
  - [25] EN
  - [54] IMMUNORESPONSIVE METHODS OF TREATING TUMORS
  - [54] METHODES DE TRAITEMENT DE TUMEURS BASEES SUR DES REPONSES IMMUNITAIRES
  - [72] HILL, MARCELO, UY
  - [72] SEGOVIA, MERCEDES, UY
  - [72] RUSSO, SOFIA, UY
  - [72] CUTURI, MARIA CRISTINA, FR
  - [72] JELDRES, MATHIAS, UY
  - [72] MAHMOUD, YAMIL DAMIAN, AR
  - [72] GIROTTI, MARIA ROMINA, AR
  - [72] VEGA, MAITE DUHALDE, AR
  - [71] BATTHYANY, CARLOS, UY
  - [71] INSTITUT PASTEUR DE MONTEVIDEO, UY
  - [85] 2019-11-01
  - [86] 2018-05-02 (PCT/IB2018/053059)
  - [87] (WO2018/203262)
  - [30] US (62/500,113) 2017-05-02
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[13] A1

- [51] Int.Cl. B01J 8/38 (2006.01) B01J 8/00 (2006.01) C10G 11/18 (2006.01)
  - [25] EN
  - [54] BULK CATALYST WITHDRAWAL SYSTEM AND METHODS FOR THE USE THEREOF
  - [54] SYSTEME DE RETRAIT DE CATALYSEUR EN VRAC ET SES PROCEDES D'UTILISATION
  - [72] PRETZ, MATTHEW T., US
  - [71] DOW GLOBAL TECHNOLOGIES LLC, US
  - [85] 2019-11-01
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  - [87] (WO2018/204562)
  - [30] US (62/502,094) 2017-05-05
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[13] A1

[51] Int.Cl. B01D 53/26 (2006.01)

[25] EN

[54] DEVICE AND METHOD FOR DRYING A MOIST COMPRESSED GAS AND A COMPRESSOR INSTALLATION PROVIDED WITH SUCH A DEVICE

[54] DISPOSITIF ET PROCEDE DE SECHAGE DE GAZ COMPRIME HUMIDE ET INSTALLATION DE COMPRESSEUR POURVUE D'UN TEL DISPOSITIF

[72] GEERTS, BART, BE

[71] ATLAS COPCO AIRPOWER, NAAMLOZE VENNOOTSCHAP, BE

[85] 2019-11-01

[86] 2018-06-04 (PCT/IB2018/053971)

[87] (WO2018/229593)

[30] BE (2017/5430) 2017-06-16

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[13] A1

[51] Int.Cl. F23K 5/08 (2006.01) C01B 33/20 (2006.01) F02M 27/06 (2006.01) F23K 5/00 (2006.01) C10L 9/00 (2006.01)

[25] EN

[54] SILICATE MIXTURE AND COMBUSTION ACCELERATOR USING THE SAME

[54] MELANGE DE SILICATES ET ACCELERATEUR DE COMBUSTION FAISANT APPEL AUDIT MELANGE

[72] NASU, MAKOTO, JP

[72] YOSHIDA, KAORU, JP

[72] NISHIMOTO, KURIKO, JP

[71] YUSHIN CO. LTD., JP

[85] 2019-11-01

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[51] Int.Cl. B23K 11/34 (2006.01) B23K 11/30 (2006.01) B23K 11/36 (2006.01)

[25] EN

[54] TIP DRESSER

[54] DRESSEUR DE POINTE

[72] KIM, HEEJOON, JP

[71] KYOKUTOH CO., LTD., JP

[85] 2019-11-01

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[51] Int.Cl. A61B 17/58 (2006.01) A61B 1/32 (2006.01) A61B 17/02 (2006.01) A61B 17/56 (2006.01) A61B 17/60 (2006.01) A61B 17/66 (2006.01)

[25] EN

[54] APPARATUS FOR INCISION AND REMOVAL OF OSSEOUS TISSUE AND METHODS THEREOF

[54] APPAREIL D'INCISION ET DE RETRAIT DE TISSU OSSEUX ET PROCEDES ASSOCIES

[72] BOHL, MICHAEL, US

[72] MOONEY, MICHAEL, US

[72] VACA, IRIDIAN, US

[72] SCHULTE, RYAN SAMUEL, US

[72] BRUCE, ANDREW ROBERT, US

[72] FLETCHER, LEAH ELIZABETH, US

[72] LOPEZ-JIMENEZ, ARON, US

[72] ALAM, FRAMARZ, US

[72] MARSHALL, ETHAN, US

[72] REVEL, IVANNA, US

[71] DIGNITY HEALTH, US

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[51] Int.Cl. A23J 1/20 (2006.01) A23J 3/08 (2006.01) A23J 3/30 (2006.01) A23L 2/44 (2006.01) A23L 2/52 (2006.01) A23L 2/56 (2006.01) A23L 2/58 (2006.01) A23L 2/60 (2006.01) A23L 2/66 (2006.01) A23L 2/68 (2006.01)

[25] EN

[54] PROTEIN BEVERAGES

[54] BOISSONS PROTEINEES

[72] HORLER, ERIC, US

[72] HIND, JACQUELINE, US

[72] ROBBINS, JOANNE, US

[72] ANGGREANI, ELFI, US

[72] BRODY, MARCUS, US

[72] VALLADARES, MALCOND, US

[72] JAMES, ERIC, US

[71] SWALLOW SOLUTIONS, LLC, US

[85] 2019-11-01

[86] 2018-03-20 (PCT/US2018/023388)

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[51] Int.Cl. B01J 8/08 (2006.01) C10G 3/00 (2006.01)

[25] EN

[54] METHOD OF PREPARATION OF HYDROCARBON FUELS FROM POLYOLEFIN WASTE MATERIALS

[54] PROCEDE DE PREPARATION DE COMBUSTIBLES HYDROCARBONES A PARTIR DE DECHETS DE POLYOLEFINE

[72] HANDEREK, ADAM, PL

[72] KOWALCZYK, MACIEJ PAWEŁ, PL

[72] KIRAGA, JAN, PL

[72] BIERNAT, KRZYSZTOF, PL

[72] MATUSZEWSKA, ANNA, PL

[71] HANDEREK TECHNOLOGIES SP. Z O.O., PL

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[13] A1

[51] Int.Cl. H04N 21/2743 (2011.01) H04N 21/2187 (2011.01) H04N 21/475 (2011.01) H04N 21/478 (2011.01) H04N 21/4784 (2011.01)

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[54] VIDEO-TOURNAMENT PLATFORM

[54] PLATEFORME DE TOURNOI DE VIDEO

[72] CVINAR, JOHN GRAHAM, US

[71] CHANNELFIX.COM LLC, US

[85] 2019-11-01

[86] 2018-03-30 (PCT/US2018/025336)

[87] (WO2018/208384)

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[30] US (62/529,750) 2017-07-07

[30] US (62/567,699) 2017-10-03

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  - [72] WILLIAMS, RICHARD K., US
  - [72] VERZUN, LEVGEN, UA
  - [72] HOLUB, OLEKSANDR, UA
  - [71] LISTAT LTD., BZ
  - [85] 2019-11-01
  - [86] 2018-04-02 (PCT/US2018/025695)
  - [87] (WO2018/187212)
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- [25] EN
- [54] APPARATUS TO CONNECT A VALVE STEM TO AN ACTUATOR
- [54] APPAREIL POUR CONNECTER UNE TIGE DE SOUPAPE A UN ACTIONNEUR
- [72] GETHMANN, DOUGLAS PAUL, US
- [72] HAUSLADEN, KYLE ANTHONY, US
- [72] REUTHER, JASON KYLE, US
- [72] MCCARTHY, MICHAEL WILDIE, US
- [71] FISHER CONTROLS INTERNATIONAL LLC, US
- [85] 2019-11-01
- [86] 2018-04-19 (PCT/US2018/028237)
- [87] (WO2018/204077)
- [30] US (15/586,520) 2017-05-04

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  - [25] EN
  - [54] MODULAR SYSTEM FOR INVENTORY AND TRANSPORT EFFICIENCY OF PACKAGING
  - [54] SYSTEME MODULAIRE PERMETTANT UN STOCKAGE ET UN TRANSPORT EFFICACES D'EMBALLAGES
  - [72] KNOBEL, SIMON, US
  - [72] MARKOWITZ, ARI, US
  - [72] GONZALEZ, ALEXANDER, US
  - [72] ELWELL, ROBERT, US
  - [72] GRANGER, COLIN, US
  - [72] PINTO, CHRISTOPHER, US
  - [71] CR PACKAGING LLC, US
  - [85] 2019-11-01
  - [86] 2018-04-30 (PCT/US2018/030097)
  - [87] (WO2018/204220)
  - [30] US (62/492,678) 2017-05-01
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- [25] EN
- [54] DIFFUSER PLATES AND DIFFUSER PLATE ASSEMBLIES
- [54] PLAQUES DIFFUSANTES ET ENSEMBLES DE PLAQUES DIFFUSANTES
- [72] KHATAMI, REZA, US
- [71] RHEEM MANUFACTURING COMPANY, US
- [85] 2019-11-01
- [86] 2018-04-19 (PCT/US2018/028378)
- [87] (WO2018/204085)
- [30] US (15/584,834) 2017-05-02

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  - [25] EN
  - [54] WALL MOUNT LIGHT FIXTURE WITH EXTERNAL SENSOR HOUSING
  - [54] APPAREIL D'ECLAIRAGE A MONTAGE MURAL DOTE D'UN BOITIER DE CAPTEUR EXTERNE
  - [72] VELTRI, THOMAS, US
  - [72] PATEL, DHAVALKUMAR, US
  - [71] HUBBELL INCORPORATED, US
  - [85] 2019-11-01
  - [86] 2018-04-30 (PCT/US2018/030099)
  - [87] (WO2018/204222)
  - [30] US (62/500,776) 2017-05-03
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- [25] EN
- [54] COMPOSITION AND METHODS FOR COAXIAL DEVICES INCLUDING A PHASE CHANGE MATERIAL
- [54] COMPOSITION ET PROCEDES POUR DISPOSITIFS COAXIAUX COMPRENANT UN MATERIAU A CHANGEMENT DE PHASE
- [72] ROLLAND, LOIC PIERRE, FR
- [72] CHARREL, LAURENT, FR
- [71] DUPONT POLYMERS, INC., US
- [85] 2019-11-01
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STATIONS AND METHODS

[54] EQUIPEMENTS UTILISATEUR,  
STATIONS DE BASE ET  
PROCEDES ASSOCIES

[72] NOGAMI, TOSHIZO, US

[72] AIBA, TATSUSHI, US

[72] SHENG, JIA, US

[72] YIN, ZHANPING, US

[71] SHARP KABUSHIKI KAISHA, JP

[71] FG INNOVATION COMPANY  
LIMITED, CN

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[86] 2018-05-01 (PCT/US2018/030406)

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[25] EN

[54] LOW SMOKE FIRE-RESISTANT  
OPTICAL RIBBON

[54] RUBAN OPTIQUE RESISTANT AU  
FEU A FAIBLE FUMEE

[72] CHEN, YANGBIN, US

[71] CORNING INCORPORATED, US

[85] 2019-11-01

[86] 2018-05-01 (PCT/US2018/030381)

[87] (WO2018/204318)

[30] US (15/585,268) 2017-05-03

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[25] EN

[54] AUTOMATED DRYING AND  
CURING CHAMBER

[54] CHAMBRE AUTOMATISEE DE  
SECHAGE ET DE  
DURCISSEMENT

[72] KOZLOWSKI, DAN, US

[72] DUCEY, COLE, US

[72] GARCIA, RENZO, US

[71] AUTO CURE, LLC, US

[85] 2019-11-01

[86] 2018-05-01 (PCT/US2018/030411)

[87] (WO2018/204337)

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[51] Int.Cl. G01V 1/36 (2006.01)

[25] EN

[54] REFRACTION-BASED SURFACE-  
CONSISTENT AMPLITUDE  
COMPENSATION AND  
DECONVOLUTION

[54] COMPENSATION ET  
DECONVOLUTION  
D'AMPLITUDE COMPATIBLES  
AVEC UNE SURFACE SE BASANT  
SUR LA REFRACTION

[72] COLOMBO, DANIELE, SA

[72] ROVETTA, DIEGO, SA

[71] SAUDI ARBIAN OIL COMPANY, SA

[85] 2019-11-01

[86] 2018-04-25 (PCT/US2018/029324)

[87] (WO2018/204142)

[30] US (15/585,431) 2017-05-03

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[51] Int.Cl. G01S 5/02 (2010.01) G01R  
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G01W 1/16 (2006.01) G01S 5/14  
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[25] EN

[54] SYSTEM AND METHOD FOR  
SATELLITE OPTICAL GROUND  
RADIO HYBRID LIGHTNING  
LOCATION

[54] SYSTEME ET PROCEDE DE  
LOCALISATION DE FOUDRE  
HYBRIDE RADIO TERRESTRE  
OPTIQUE PAR SATELLITE

[72] STOCK, MICHAEL, US

[72] HECKMAN, STAN, US

[71] EARTH NETWORKS, INC., US

[85] 2019-11-01

[86] 2018-05-01 (PCT/US2018/030530)

[87] (WO2018/204415)

[30] US (62/500,158) 2017-05-02

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43/653 (2006.01) C07C 229/08  
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[25] EN

[54] SYNERGISTIC MIXTURES FOR  
FUNGAL CONTROL IN CEREALS

[54] MELANGES SYNERGIQUES POUR  
LA LUTTE CONTRE DES  
CHAMPIGNONS DANS DES  
CEREALES

[72] YAO, CHENGLIN, US

[72] MATHIESON, JOHN T., US

[71] DOW AGROSCIENCES LLC, US

[85] 2019-11-01

[86] 2018-05-02 (PCT/US2018/030558)

[87] (WO2018/204435)

[30] US (62/500,183) 2017-05-02

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  - [25] EN
  - [54] SYNERGISTIC MIXTURES FOR FUNGAL CONTROL IN CEREALS
  - [54] MELANGES SYNERGIQUES POUR LA LUTTE CONTRE DES CHAMPIGNONS DANS DES CEREALES
  - [72] YAO, CHENGLIN, US
  - [72] MATHIESON, JOHN T., US
  - [71] DOW AGROSCIENCES LLC, US
  - [85] 2019-11-01
  - [86] 2018-05-02 (PCT/US2018/030559)
  - [87] (WO2018/204436)
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  - [25] EN
  - [54] WALL PACK LIGHT FIXTURES
  - [54] DISPOSITIFS D'ECLAIRAGE DE BLOC MURAL
  - [72] DUCKWORTH, JASON EDWARD, US
  - [72] HODGES, DOUGLAS S., US
  - [72] ANDERSON, ORMAND GILBERT, JR., US
  - [71] HUBBELL INCORPORATED, US
  - [85] 2019-11-01
  - [86] 2018-05-02 (PCT/US2018/030649)
  - [87] (WO2018/208556)
  - [30] US (62/502,619) 2017-05-06
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- [51] Int.Cl. B01L 3/00 (2006.01) C12Q 1/6804 (2018.01) B01L 7/00 (2006.01) C12Q 1/68 (2018.01)
- [25] EN
- [54] FLUIDIC TEST CASSETTE
- [54] CASSETTE D'ESSAI FLUIDIQUE
- [72] THOMAS, DONALD J., US
- [72] CAI, HONG, US
- [72] CARY, ROBERT B., US
- [71] MESA BIOTECH, INC., US
- [85] 2019-11-01
- [86] 2018-04-20 (PCT/US2018/028668)
- [87] (WO2018/195493)
- [30] US (62/488,453) 2017-04-21

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- [51] Int.Cl. G06F 3/01 (2006.01) G06F 3/0354 (2013.01) G06F 3/041 (2006.01)
  - [25] FR
  - [54] METHOD AND DEVICE FOR GENERATING TACTILE PATTERNS
  - [54] PROCEDE ET DISPOSITIF DE GENERATION DE MOTIFS TACTILES
  - [72] VEZZOLI, ERIC, FR
  - [72] GRISONI, LAURENT, FR
  - [72] LEMAIRE-SEMAIL, BETTY, FR
  - [72] GIRAUD, FREDERIC, FR
  - [71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
  - [71] ECOLE CENTRALE DE LILLE, FR
  - [71] UNIVERSITE DE LILLE, FR
  - [85] 2019-11-01
  - [86] 2018-04-30 (PCT/EP2018/061010)
  - [87] (WO2018/202609)
  - [30] FR (1753830) 2017-05-02
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[13] A1

- [51] Int.Cl. H04W 60/04 (2009.01) H04W 4/70 (2018.01)
- [25] EN
- [54] METHODS, APPARATUS AND SYSTEMS FOR SUPPORTING MOBILE INITIATED CONNECTION ONLY (MICO) WIRELESS TRANSMIT/RECEIVE UNITS (WTRUS)
- [54] PROCEDES, APPAREILS ET SYSTEMES DE PRISE EN CHARGE D'UNITES D'EMISSION/DE RECEPTION SANS FIL (WTRU) A CONNEXION INITIEE PAR MOBILE UNIQUEMENT (MICO)

- [72] WANG, GUANZHOU, CA
- [72] AHMAD, SAAD, CA
- [72] AGHILI, BEHROUZ, US
- [72] OLVERA-HERNANDEZ, ULISES, GB
- [71] IDAC HOLDINGS, INC., US
- [85] 2019-11-01
- [86] 2018-04-27 (PCT/US2018/029853)
- [87] (WO2018/204191)
- [30] US (62/502,043) 2017-05-05

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- [51] Int.Cl. E02F 3/96 (2006.01) E02F 3/28 (2006.01)
  - [25] EN
  - [54] ADJUSTABLE COUPLER FOR WORK IMPLEMENT
  - [54] COUPLEUR REGLABLE POUR OUTIL DE TRAVAIL
  - [72] REINERT, MICHAEL J., US
  - [71] PENGO CORPORATION, US
  - [85] 2019-11-01
  - [86] 2018-04-27 (PCT/US2018/029883)
  - [87] (WO2018/204194)
  - [30] US (15/583,531) 2017-05-01
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- [51] Int.Cl. A61K 39/395 (2006.01) A61K 47/60 (2017.01) A61K 31/4745 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01)
  - [25] EN
  - [54] IMMUNOTHERAPEUTIC TUMOR TREATMENT METHOD
  - [54] METHODE DE TRAITEMENT DE TUMEUR IMMUNOTHERAPEUTIQUE
  - [72] KIVIMAE, SAUL, US
  - [72] HENNESSY, MARLENE, US
  - [72] ANAND, NEEL K., US
  - [72] CAI, HAIYING, US
  - [72] DENG, BO-LIANG, US
  - [72] REN, ZHONGXU, US
  - [72] JOSHI, BHALCHANDRA V., US
  - [71] NEKTAR THERAPEUTICS, US
  - [85] 2019-11-01
  - [86] 2018-05-02 (PCT/US2018/030714)
  - [87] (WO2018/204528)
  - [30] US (62/500,486) 2017-05-02
  - [30] US (62/502,051) 2017-05-05
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- [51] Int.Cl. B62D 55/20 (2006.01) B62D 55/21 (2006.01)
- [25] EN
- [54] PIN RETENTION DESIGN FOR A TRACK CHAIN
- [54] CONCEPTION DE RETENUE DE BROCHE POUR CHAINE DE CHENILLE
- [72] DE LA TORRE, JOSE G., US
- [71] CATERPILLAR INC., US
- [85] 2019-11-01
- [86] 2018-05-03 (PCT/US2018/030809)
- [87] (WO2018/204588)
- [30] US (62/501,189) 2017-05-04
- [30] US (15/943,823) 2018-04-03

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[25] EN  
[54] SYSTEM FOR GENERATING AND TRANSMITTING INDICATIONS OF INTEREST  
[54] SYSTEME DE GENERATION ET DE TRANSMISSION D'INDICATIONS D'INTERET  
[72] KELLEY, CHRISTOPHER, US  
[72] BLUMENFELD, JED HARRIS, US  
[71] FIDESSA TRADING UK LIMITED, GB  
[85] 2019-11-01  
[86] 2018-05-02 (PCT/US2018/030715)  
[87] (WO2018/204529)  
[30] US (15/585,367) 2017-05-03

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[13] A1

[51] Int.Cl. B62D 55/21 (2006.01)  
[25] EN  
[54] ROLLER PATH OF A TRACK PAD FOR A TRACK CHAIN  
[54] TRAJECTOIRE DE ROULEAUX D'UN PATIN DE CHENILLE POUR UNE CHAINE DE CHENILLE  
[72] ACOSTA, GUSTAVO, US  
[72] HAKES, DAVID J., US  
[72] ABELLO, BENOIT, US  
[72] JONES, BENJAMIN I., US  
[72] NOTT, UDO, DE  
[71] CATERPILLAR INC., US  
[85] 2019-11-01  
[86] 2018-05-03 (PCT/US2018/030854)  
[87] (WO2018/204618)  
[30] US (62/501,299) 2017-05-04  
[30] US (15/943,850) 2018-04-03

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[13] A1

[51] Int.Cl. G01N 21/77 (2006.01) G01N 31/22 (2006.01)  
[25] FR  
[54] OPTICAL DEVICE FOR DETECTING AND QUANTIFYING VOLATILE COMPOUNDS  
[54] DISPOSITIF OPTIQUE DE DETECTION ET DE QUANTIFICATION DE COMPOSES VOLATILS  
[72] ALVAREZ, ELSA, FR  
[72] GROSSO, DAVID, FR  
[72] ABBARCHI, MARCO, FR  
[71] UNIVERSITE D'AIX-MARSEILLE, FR  
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR  
[85] 2019-11-01  
[86] 2018-05-15 (PCT/EP2018/062605)  
[87] (WO2018/215247)  
[30] FR (1754533) 2017-05-22

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[13] A1

[51] Int.Cl. B62D 55/20 (2006.01)  
[25] EN  
[54] CONTOURED DOUBLE PASS ROLLER PATH FOR A TRACK CHAIN  
[54] CHEMIN DE ROULEMENT A DOUBLE PASSAGE PROFILE POUR UNE CHAINE DE CHENILLE  
[72] ACOSTA, GUSTAVO, US  
[72] HAKES, DAVID J., US  
[72] ABELLO, BENOIT, US  
[72] JONES, BENJAMIN I., US  
[72] NOTT, UDO, DE  
[71] CATERPILLAR INC., US  
[85] 2019-11-01  
[86] 2018-05-03 (PCT/US2018/030823)  
[87] (WO2018/204600)  
[30] US (62/501,235) 2017-05-04  
[30] US (15/943,838) 2018-04-03

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[13] A1

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[25] FR  
[54] METHOD AND DEVICE FOR FREEZING A MASS OF SOIL  
[54] PROCEDE ET DISPOSITIF DE CONGELATION D'UN MASSIF DE SOL  
[72] NICOLAS, ROMAIN, FR  
[72] THIDET, BERTRAND, FR  
[72] GUEULET, RAPHAEL, FR  
[72] STUBLER, JEROME, FR  
[71] VINCI CONSTRUCTION, FR  
[85] 2019-11-01  
[86] 2018-05-09 (PCT/EP2018/061978)  
[87] (WO2018/206627)  
[30] FR (1754141) 2017-05-11

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[13] A1

[51] Int.Cl. G01N 27/327 (2006.01) C12N 11/02 (2006.01) G01N 33/487 (2006.01) G01N 33/53 (2006.01)  
[25] EN  
[54] BIOSENSORS PRODUCED FROM ENZYMES WITH REDUCED SOLUBILITY AND METHODS OF PRODUCTION AND USE THEREOF  
[54] BIOCAPTEURS PRODUITS A PARTIR D'ENZYME A SOLUBILITE REDUITE ET LEURS PROCEDES DE PRODUCTION ET D'UTILISATION  
[72] WILSON, MICHAEL S., US  
[71] SIEMENS HEALTHCARE DIAGNOSTICS INC., US  
[85] 2019-11-01  
[86] 2018-05-03 (PCT/US2018/030870)  
[87] (WO2018/204627)  
[30] US (62/501,322) 2017-05-04

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  - [25] EN
  - [54] DEVICE FOR COLLECTING A BIOLOGICAL SAMPLE
  - [54] DISPOSITIF POUR LE PRELEVEMENT D'UN ECHANTILLON BIOLOGIQUE
  - [72] MARKOWITZ, SANFORD, US
  - [72] SECREST, DEAN, US
  - [72] CHAK, AMITABH, US
  - [72] WILLIS, JOSEPH, US
  - [72] SIEDLAK, DENNIS, US
  - [71] CASE WESTERN RESERVE UNIVERSITY, US
  - [85] 2019-11-01
  - [86] 2018-05-03 (PCT/US2018/030907)
  - [87] (WO2018/204659)
  - [30] US (62/500,933) 2017-05-03
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[13] A1

- [51] Int.Cl. H04W 56/00 (2009.01)
- [25] EN
- [54] SYNCHRONIZATION SIGNAL TRANSMISSION AND RECEPTION FOR RADIO SYSTEM
- [54] EMISSION ET RECEPTION DE SIGNAUX DE SYNCHRONISATION POUR SYSTEME RADIO
- [72] SHENG, JIA, US
- [72] AIBA, TATSUSHI, US
- [72] NOGAMI, TOSHIZO, JP
- [71] SHARP KABUSHIKI KAISHA, JP
- [71] FG INNOVATION COMPANY LIMITED, CN
- [85] 2019-11-01
- [86] 2018-05-03 (PCT/US2018/030915)
- [87] (WO2018/204665)
- [30] US (62/501,716) 2017-05-04

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[13] A1

- [51] Int.Cl. B61L 3/00 (2006.01)
  - [25] EN
  - [54] VIDEO DATA CREATION AND MANAGEMENT SYSTEM
  - [54] SYSTEME DE CREATION ET DE GESTION DE DONNEES VIDEO
  - [72] HESTERMAN, ERIC SCOTT, US
  - [71] SURVAE INC., US
  - [85] 2019-11-01
  - [86] 2018-05-03 (PCT/US2018/030932)
  - [87] (WO2018/204680)
  - [30] US (62/501,028) 2017-05-03
  - [30] US (62/554,719) 2017-09-06
  - [30] US (62/554,729) 2017-09-06
  - [30] US (62/640,104) 2018-03-08
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  - [25] EN
  - [54] METHODS FOR TREATMENT OF ALPORT SYNDROME
  - [54] METHODES DE TRAITEMENT DU SYNDROME D'ALPORT
  - [72] WRIGHT, TIMOTHY, US
  - [71] SANOFI, FR
  - [85] 2019-11-01
  - [86] 2018-05-04 (PCT/US2018/031094)
  - [87] (WO2018/204788)
  - [30] US (62/501,699) 2017-05-04
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[13] A1

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- [25] EN
- [54] METHOD AND APPARATUS FOR PERFORMING A PERIPHERAL NERVE BLOCK
- [54] PROCEDE ET APPAREIL POUR REALISER UN BLOC NERVEUX PERIPHERIQUE
- [72] HOCHMAN, MARK N., US
- [72] CHOQUET, OLIVIER, FR
- [71] MILESTONE SCIENTIFIC, INC., US
- [85] 2019-11-01
- [86] 2018-05-04 (PCT/US2018/031096)
- [87] (WO2018/204789)
- [30] US (15/587,119) 2017-05-04
- [30] US (62/501,546) 2017-05-04

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[13] A1

- [51] Int.Cl. C12N 9/00 (2006.01) C12N 9/14 (2006.01) C12N 9/24 (2006.01)
  - [25] EN
  - [54] GENETICALLY MODIFIED TREHALASE-EXPRESSING YEASTS AND FERMENTATION PROCESSES USING SUCH GENETICALLY MODIFIED YEASTS
  - [54] LEVURES GENETIQUEMENT MODIFIEES EXPRIMANT LA TREHALASE ET PROCEDES DE FERMENTATION LES UTILISANT
  - [72] JAUERT, PETER ALAN, US
  - [72] POYNTER, GREGORY MICHAEL, US
  - [72] RUSH, BRIAN J., US
  - [71] CARGILL, INCORPORATED, US
  - [85] 2019-11-01
  - [86] 2018-05-04 (PCT/US2018/031110)
  - [87] (WO2018/204798)
  - [30] US (62/501,288) 2017-05-04
  - [30] US (62/636,716) 2018-02-28
  - [30] US (62/648,679) 2018-03-27
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**[21] 3,062,325**

[13] A1

- [51] Int.Cl. A47K 3/28 (2006.01) E03D 1/14 (2006.01) F04F 10/02 (2006.01)
- [25] EN
- [54] MULTIPLE STAGE DISCHARGE SYSTEM FOR A FLUID TANK
- [54] SYSTEME D'EVACUATION A ETAGES MULTIPLES POUR RESERVOIR DE FLUIDE
- [72] MARQUARDT, TERRY L., US
- [71] BRADLEY FIXTURES CORPORATION, US
- [85] 2019-11-01
- [86] 2018-05-10 (PCT/US2018/032111)
- [87] (WO2018/209116)
- [30] US (62/504,949) 2017-05-11

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<p style="text-align: right;"><b>[21] 3,062,326</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. H04L 29/08 (2006.01) G06N 99/00 (2019.01) G06Q 10/10 (2012.01) H04L 12/58 (2006.01)</p> <p>[25] EN</p> <p>[54] DYNAMIC RESPONSE PREDICTION FOR IMPROVED BOT TASK PROCESSING</p> <p>[54] PREDICTION DE REPONSE DYNAMIQUE POUR UN TRAITEMENT AMELIORE DE TACHES DE ROBOT</p> <p>[72] RON, OFER, US</p> <p>[72] VANOUNOU, ERAN, US</p> <p>[72] KONKY, GALI, US</p> <p>[72] AMIR, SEETVUN, US</p> <p>[71] LIVEPERSON, INC., US</p> <p>[71] RON, OFER, US</p> <p>[71] VANOUNOU, ERAN, US</p> <p>[71] KONKY, GALI, US</p> <p>[71] AMIR, SEETVUN, US</p> <p>[85] 2019-11-01</p> <p>[86] 2018-05-04 (PCT/US2018/031181)</p> <p>[87] (WO2018/204841)</p> <p>[30] US (62/502,535) 2017-05-05</p> <p>[30] US (62/502,572) 2017-05-05</p>
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<p style="text-align: right;"><b>[21] 3,062,327</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. C09K 5/04 (2006.01) F25B 9/00 (2006.01)</p> <p>[25] EN</p> <p>[54] HEAT TRANSFER COMPOSITIONS, METHODS AND SYSTEMS</p> <p>[54] COMPOSITIONS, PROCEDES ET SYSTEMES DE TRANSFERT DE CHALEUR</p> <p>[72] ZOU, YANG, US</p> <p>[72] YANA MOTTA, SAMUEL F., US</p> <p>[72] POTTKER, GUSTAVO, US</p> <p>[72] SETHI, ANKIT, US</p> <p>[72] VERA BECERRA, ELIZABET DEL CARMEN, US</p> <p>[72] TANGRI, HENNA, US</p> <p>[71] HONEYWELL INTERNATIONAL INC., US</p> <p>[85] 2019-11-01</p> <p>[86] 2018-05-04 (PCT/US2018/031213)</p> <p>[87] (WO2018/204860)</p> <p>[30] US (62/502,406) 2017-05-05</p> <p>[30] US (15/971,648) 2018-05-04</p>
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<p style="text-align: right;"><b>[21] 3,062,328</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. C07K 16/28 (2006.01) A61K 35/17 (2015.01) C07K 14/725 (2006.01)</p> <p>[25] EN</p> <p>[54] CHIMERIC ANTIGEN RECEPTORS TARGETING FLT3</p> <p>[54] RECEPTEURS D'ANTIGENES CHIMERIQUES CIBLANT FLT3</p> <p>[72] SASU, BARBRA JOHNSON, US</p> <p>[72] DETTLING, DANIELLE ELIZABETH, US</p> <p>[72] SOMMER, CESAR ADOLFO, US</p> <p>[72] YEUNG, YIK ANDY, US</p> <p>[72] HAMZE, MOUSTAFA MARC, FR</p> <p>[71] PFIZER INC., US</p> <p>[85] 2019-11-01</p> <p>[86] 2018-05-31 (PCT/US2018/035492)</p> <p>[87] (WO2018/222935)</p> <p>[30] US (62/514,634) 2017-06-02</p> <p>[30] US (62/514,574) 2017-06-02</p> <p>[30] US (62/660,908) 2018-04-20</p>
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<p style="text-align: right;"><b>[21] 3,062,329</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. C12N 1/00 (2006.01) A01H 5/10 (2018.01) A01N 63/00 (2006.01) A01P 21/00 (2006.01)</p> <p>[25] EN</p> <p>[54] PLANT GROWTH-PROMOTING MICROBES, COMPOSITIONS, AND USES</p> <p>[54] MICROBES FAVORISANT LA CROISSANCE DES PLANTES, COMPOSITIONS ET UTILISATIONS ASSOCIEES</p> <p>[72] ASHBY, MATTHEW N., US</p> <p>[72] JAVAHIGHVILI, TSOTNE, US</p> <p>[72] KOSTECKI, CAROLINE, US</p> <p>[72] KUNIN, VICTOR, US</p> <p>[72] LAFITTE, HONOR RENEE, US</p> <p>[72] LIDSTROM, ULRIKA, US</p> <p>[72] SHESTAKOVA, NATALIA, US</p> <p>[72] WOOD, LAWRENCE KENT, US</p> <p>[71] TAXON BIOSCIENCES INC., US</p> <p>[71] TAXON BIOSCIENCES INC., US</p> <p>[85] 2019-11-01</p> <p>[86] 2018-05-08 (PCT/US2018/031503)</p> <p>[87] (WO2018/208722)</p> <p>[30] US (62/503,377) 2017-05-09</p> <p>[30] US (62/503,448) 2017-05-09</p> <p>[30] US (62/508,514) 2017-05-19</p>
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<p style="text-align: right;"><b>[21] 3,062,330</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A61B 8/08 (2006.01) G16H 50/20 (2018.01) A61B 8/00 (2006.01) G06N 3/02 (2006.01)</p> <p>[25] EN</p> <p>[54] PROBABILITY MAP-BASED ULTRASOUND SCANNING</p> <p>[54] BALAYAGE ULTRASONORE BASE SUR UNE CARTE DE PROBABILITE</p> <p>[72] CHOI, JOON HWAN, US</p> <p>[71] VERATHON INC., US</p> <p>[85] 2019-11-01</p> <p>[86] 2018-05-11 (PCT/US2018/032247)</p> <p>[87] (WO2018/209193)</p> <p>[30] US (62/504,709) 2017-05-11</p>
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<p style="text-align: right;"><b>[21] 3,062,331</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. H01P 1/22 (2006.01) H01P 1/23 (2006.01) H01P 3/00 (2006.01) H01F 10/24 (2006.01) H03G 11/00 (2006.01) H03H 2/00 (2006.01)</p> <p>[25] EN</p> <p>[54] FREQUENCY SELECTIVE LIMITER</p> <p>[54] LIMITEUR SELECTIF DE FREQUENCE</p> <p>[72] MORTON, MATTHEW A., US</p> <p>[72] SOLLNER, GERHARD, US</p> <p>[71] RAYTHEON COMPANY, US</p> <p>[85] 2019-11-01</p> <p>[86] 2018-05-24 (PCT/US2018/034369)</p> <p>[87] (WO2018/236541)</p> <p>[30] US (15/627,913) 2017-06-20</p>
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<p style="text-align: right;"><b>[21] 3,062,332</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A61B 90/50 (2016.01)</p> <p>[25] EN</p> <p>[54] SURGICAL EQUIPMENT HOLDER</p> <p>[54] SUPPORT D'EQUIPEMENT CHIRURGICAL</p> <p>[72] SAUER, JUDE S., US</p> <p>[71] LSI SOLUTIONS, INC., US</p> <p>[85] 2019-11-01</p> <p>[86] 2018-05-17 (PCT/US2018/033288)</p> <p>[87] (WO2018/204937)</p> <p>[30] US (62/507,724) 2017-05-17</p> <p>[30] US (62/526,329) 2017-06-28</p> <p>[30] US (PCT/US18/30846) 2018-05-03</p> <p>[30] US (62/500,972) 2017-05-03</p>
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[13] A1

[51] Int.Cl. C12N 1/21 (2006.01) C12P 7/64 (2006.01)  
[25] EN  
[54] WAX ESTER COMPOSITIONS AND METHODS OF MANUFACTURE  
[54] COMPOSITIONS D'ESTERS CIREUX ET PROCEDES DE FABRICATION  
[72] ADDY, JEFF, US  
[72] BROWN, JAMES STEVEN, US  
[71] INTERNATIONAL FLORA TECHNOLOGIES, LTD., US  
[85] 2019-11-01  
[86] 2018-05-14 (PCT/US2018/032545)  
[87] (WO2018/213177)  
[30] US (15/594,908) 2017-05-15

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[21] **3,062,334**  
[13] A1

[51] Int.Cl. C12Q 1/6844 (2018.01) C12N 15/10 (2006.01) C12P 19/34 (2006.01)  
[25] EN  
[54] PREPARATION OF CONCATENATED POLYNUCLEOTIDES  
[54] PREPARATION DE POLYNUCLEOTIDES CONCATENES  
[72] WELKER, NOAH C., US  
[72] CHU, CLEMENT S., US  
[71] MYRIAD WOMEN'S HEALTH, INC., US  
[85] 2019-11-01  
[86] 2018-05-31 (PCT/US2018/035499)  
[87] (WO2018/222941)  
[30] US (62/513,878) 2017-06-01  
[30] US (62/561,065) 2017-09-20

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[21] **3,062,335**  
[13] A1

[51] Int.Cl. C07K 16/28 (2006.01) A61K 35/17 (2015.01) A61K 51/10 (2006.01)  
[25] EN  
[54] USE OF ANTI-B7H3 ANTIBODIES FOR TREATING CANCER IN THE CENTRAL NERVOUS SYSTEM  
[54] UTILISATION D'ANTICORPS ANTI-B7H3 POUR LE TRAITEMENT DU CANCER DANS LE SYSTEME NERVEUX CENTRAL  
[72] KRAMER, KIM, US  
[72] NAI-KONG, CHEUNG, US  
[72] BAADSGAARD, OLE, DK  
[72] MOLLER SAN-PEDRO, CLAUS J., DK  
[71] Y-MABS THERAPEUTICS, US  
[71] MEMORIAL SLOAN KETTERING CANCER CENTER, US  
[85] 2019-11-01  
[86] 2018-05-14 (PCT/US2018/032559)  
[87] (WO2018/209346)  
[30] US (62/505,558) 2017-05-12

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[21] **3,062,336**  
[13] A1

[51] Int.Cl. G06F 15/00 (2006.01) G06F 9/06 (2006.01) G06F 13/00 (2006.01)  
[25] EN  
[54] APPARATUS AND METHOD FOR CONTROLLING DATA ACCELERATION  
[54] APPAREIL ET PROCEDE DE COMMANDE D'ACCELERATION DE DONNEES  
[72] GIBB, SEAN, CA  
[72] BERTSCHMANN, ROGER, CA  
[71] EIDETIC COMMUNICATIONS INC., CA  
[85] 2019-11-04  
[86] 2018-05-02 (PCT/CA2018/050520)  
[87] (WO2018/201249)  
[30] US (62/500,794) 2017-05-03

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[21] **3,062,339**  
[13] A1

[51] Int.Cl. B65D 81/34 (2006.01) A47J 36/38 (2006.01) B65D 30/24 (2006.01) B65D 33/01 (2006.01) B65D 81/26 (2006.01) B65D 81/38 (2006.01)  
[25] EN  
[54] PACKAGE FOR STORING AND COOKING FOOD WITH TEMPERATURE-ACTIVATED VENTILATION  
[54] EMBALLAGE POUR STOCKER ET CUIRE DES ALIMENTS DOTE D'UNE VENTILATION ACTIVEE PAR LA TEMPERATURE  
[72] VARRIANO-MARSTON, ELIZABETH, US  
[71] MARSTONMAP, LLC, US  
[85] 2019-11-01  
[86] 2018-06-07 (PCT/US2018/036439)  
[87] (WO2019/018077)  
[30] US (62/535,027) 2017-07-20

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[21] **3,062,340**  
[13] A1

[51] Int.Cl. E01B 29/26 (2006.01) B25C 3/00 (2006.01)  
[25] EN  
[54] TOOL FOR RELEASEABLY RETAINING A RAILWAY SPIKE  
[54] OUTIL PERMETTANT DE RETENIR DE MANIERE AMOVIBLE UN CRAMON DE CHEMIN DE FER  
[72] CONKIN, DAVID WILLIAM, CA  
[71] CONKIN, DAVID WILLIAM, CA  
[85] 2019-10-30  
[86] 2018-05-01 (PCT/CA2018/050517)  
[87] (WO2018/201246)  
[30] US (15/583,912) 2017-05-01

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[21] **3,062,344**  
[13] A1

[51] Int.Cl. E04H 3/28 (2006.01) E04F 15/024 (2006.01)  
[25] EN  
[54] PORTABLE STAGE SYSTEM  
[54] SYSTEME DE SCENE PORTATIVE  
[72] DICKEY, CHRISTOPHER C., US  
[72] BURES, JOSEPH A., US  
[72] GOUDREAU, PAUL, US  
[72] FORTE, IAN, US  
[72] SMITH, ANDREW, US  
[71] SICO INCORPORATED, US  
[85] 2019-11-01  
[86] 2018-06-08 (PCT/US2018/036735)  
[87] (WO2018/227141)  
[30] US (62/517,249) 2017-06-09

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[21] **3,062,347**  
[13] A1

[51] Int.Cl. A63B 71/12 (2006.01) A41D 13/015 (2006.01) A41D 13/05 (2006.01) A61F 5/055 (2006.01) F41H 1/00 (2006.01)

[25] EN

[54] PROTECTIVE ARTICLES AND METHODS THEREOF

[54] ARTICLES DE PROTECTION ET PROCEDES ASSOCIES

[72] CORRIGAN, CHARLES RYAN, CA

[71] AEXOS INC., CA

[85] 2019-11-04

[86] 2018-05-04 (PCT/CA2018/000088)

[87] (WO2018/201222)

[30] US (62/502,254) 2017-05-05

[30] US (62/543,854) 2017-08-10

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[21] **3,062,351**  
[13] A1

[51] Int.Cl. A23L 33/12 (2016.01) A23L 29/269 (2016.01) A23P 10/30 (2016.01) A23D 7/00 (2006.01) A61K 9/16 (2006.01) A61K 47/36 (2006.01) A61K 49/18 (2006.01)

[25] EN

[54] ENCAPSULATED NUTRITIONAL AND PHARMACEUTICAL COMPOSITIONS

[54] COMPOSITIONS NUTRITIONNELLES ET PHARMACEUTIQUES ENCAPSULEES

[72] WANG, BO, AU

[72] CHENG, MEK CHU TING, AU

[72] ELLIOTT, GLENN, AU

[71] CLOVER CORPORATION LIMITED, AU

[85] 2019-11-04

[86] 2018-04-27 (PCT/AU2018/050384)

[87] (WO2018/195601)

[30] AU (2017901524) 2017-04-27

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[21] **3,062,352**  
[13] A1

[51] Int.Cl. H02J 1/12 (2006.01) H02J 15/00 (2006.01)

[25] EN

[54] DC VOLTAGE REGULATION BY INDEPENDENT POWER CONVERTERS

[54] REGULATION DE TENSION CONTINUE PAR DES CONVERTISSEURS DE PUissance INDEPENDANTS

[72] ZUBIETA, LUIS, CA

[71] ZUBIETA, LUIS, CA

[85] 2019-11-04

[86] 2018-03-27 (PCT/CA2018/050372)

[87] (WO2018/201224)

[30] US (62/501,158) 2017-05-04

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[21] **3,062,358**  
[13] A1

[51] Int.Cl. H04L 5/00 (2006.01) H04W 72/04 (2009.01) H04L 27/26 (2006.01)

[25] EN

[54] SIGNAL TRANSMISSION METHOD AND APPARATUS

[54] PROCEDE ET DISPOSITIF DE TRANSMISSION DE SIGNAL

[72] LIU, JIN, CN

[72] YUAN, PU, CN

[72] LUO, JUN, CN

[72] XIANG, ZHENGZHENG, CN

[72] RONG, LU, CN

[71] HUAWEI TECHNOLOGIES CO., LTD., CN

[85] 2019-11-04

[86] 2018-05-04 (PCT/CN2018/085707)

[87] (WO2018/202162)

[30] CN (201710313724.5) 2017-05-05

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[21] **3,062,360**  
[13] A1

[51] Int.Cl. H04W 36/00 (2009.01) H04W 24/10 (2009.01)

[25] EN

[54] HANDOVER METHOD, TERMINAL DEVICE, AND NETWORK DEVICE

[54] PROCEDE DE COMMUTATION, TERMINAL ET DISPOSITIF DE RESEAU

[72] WANG, MAN, CN

[72] DAI, MINGZENG, CN

[71] HUAWEI TECHNOLOGIES CO., LTD., CN

[85] 2019-11-04

[86] 2018-05-05 (PCT/CN2018/085743)

[87] (WO2018/202187)

[30] CN (201710313955.6) 2017-05-05

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[21] **3,062,362**  
[13] A1

[51] Int.Cl. H04W 76/20 (2018.01)

[25] EN

[54] WIRELESS CONNECTION CONTROL METHOD, DISTRIBUTED UNIT, CENTRALIZED UNIT, AND BASE STATION SYSTEM

[54] PROCEDE DE COMMANDE DE CONNEXION SANS FIL, UNITE DISTRIBUEE, UNITE CENTRALISEE ET SYSTEME DE STATION DE BASE

[72] WANG, RUI, CN

[72] DAI, MINGZENG, CN

[72] YANG, XUDONG, CN

[72] ZHANG, HONGZHUO, CN

[71] HUAWEI TECHNOLOGIES CO., LTD., CN

[85] 2019-11-04

[86] 2018-05-05 (PCT/CN2018/085745)

[87] (WO2018/202189)

[30] CN (201710313783.2) 2017-05-05

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[13] A1

[51] Int.Cl. E04B 1/41 (2006.01)

[25] EN

[54] ANCHOR ASSEMBLY

[54] ENSEMBLE ANCRE

[72] SOMERFIELD, ALAN, GB

[71] GRIPPLE LIMITED, GB

[85] 2019-11-04

[86] 2018-07-02 (PCT/GB2018/000101)

[87] (WO2019/008307)

[30] GB (1710671.7) 2017-07-03

[30] GB (1810753.2) 2018-06-29

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**[21] 3,062,364**

[13] A1

- [51] Int.Cl. B60P 1/58 (2006.01) B65B 1/22 (2006.01)  
 [25] EN  
**[54] METHOD AND APPARATUS TO REDUCE VOLUME OCCUPIED BY DRY PARTICULATE COMMODITIES DURING TRANSPORTATION OR STORAGE**  
**[54] PROCEDE ET APPAREIL POUR REDUIRE LE VOLUME OCCUPE PAR DES PRODUITS PARTICULAIRES SECS LORS DU TRANSPORT OU DU STOCKAGE**  
 [72] HODGE, WILLIAM E., CA  
 [71] HODGE, WILLIAM E., CA  
 [85] 2019-11-04  
 [86] 2018-06-27 (PCT/CA2018/050792)  
 [87] (WO2018/205040)  
 [30] US (62/503,784) 2017-05-09

**[21] 3,062,366**

[13] A1

- [51] Int.Cl. H04W 52/18 (2009.01) H04W 52/14 (2009.01)  
 [25] EN  
**[54] METHOD OF POWER CONTROL FOR UPLINK TRANSMISSION**  
**[54] PROCEDE DE COMMANDE DE PUISSANCE POUR UNE TRANSMISSION DE LIAISON MONTANTE**  
 [72] GONG, ZHENGWEI, CA  
 [72] MAAREF, AMINE, CA  
 [72] CAO, YU, CA  
 [72] ISLAM, TOUFIQUL, CA  
 [72] XIAO, WEIMIN, US  
 [71] HUAWEI TECHNOLOGIES CO., LTD., CN  
 [85] 2019-11-04  
 [86] 2018-04-28 (PCT/CN2018/085137)  
 [87] (WO2018/202014)  
 [30] US (62/502,396) 2017-05-05

**[21] 3,062,367**

[13] A1

- [51] Int.Cl. G02B 6/48 (2006.01) G02B 6/44 (2006.01) H02G 7/02 (2006.01) H02G 7/20 (2006.01)  
 [25] EN  
**[54] CABLE RETENTION DEVICE**  
**[54] DISPOSITIF DE RETENUE DE CABLES**  
 [72] FABRIS, VALCIR, BR  
 [72] VICENTE, LUIS CARLOS, BR  
 [71] FABRIS, VALCIR, BR  
 [71] VICENTE, LUIS CARLOS, BR  
 [85] 2019-11-04  
 [86] 2018-04-27 (PCT/BR2018/050136)  
 [87] (WO2018/201211)  
 [30] BR (20 2017 009256 4) 2017-05-02

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[13] A1

- [51] Int.Cl. A61K 31/416 (2006.01) A61K 31/555 (2006.01) A61K 33/24 (2019.01)  
 [25] EN  
**[54] MANUFACTURE OF TRANS-[TETRACHLOROBIS(1H-INDAZOLE)RUTHENATE (III)] AND COMPOSITIONS THEREOF**  
**[54] FABRICATION DE TRANS-[TETRACHLOROBIS(1H-INDAZOLE)RUTHENATE (III)] ET COMPOSITIONS DE CEUX-CI**  
 [72] VOJKOVSKY, TOMAS, US  
 [72] SILL, KEVIN, US  
 [72] CARIE, ADAM, US  
 [71] INTEZYNE TECHNOLOGIES, INC., US  
 [71] VOJKOVSKY, TOMAS, US  
 [71] SILL, KEVIN, US  
 [71] CARIE, ADAM, US  
 [85] 2019-10-29  
 [86] 2018-05-07 (PCT/US2018/031436)  
 [87] (WO2018/204930)  
 [30] US (62/501,984) 2017-05-05

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[13] A1

- [51] Int.Cl. H04W 74/00 (2009.01)  
 [25] EN  
**[54] RANDOM ACCESS METHOD, NETWORK DEVICE, AND TERMINAL DEVICE**  
**[54] PROCEDE D'ACCES ALÉATOIRE, DISPOSITIF DE RESEAU ET DISPOSITIF TERMINAL**  
 [72] FEI, YONGQIANG, CN  
 [72] SUN, WEI, CN  
 [72] XIE, XINQIAN, CN  
 [72] GUO, ZHIHENG, CN  
 [71] HUAWEI TECHNOLOGIES CO., LTD., CN  
 [85] 2019-11-04  
 [86] 2018-05-02 (PCT/CN2018/085358)  
 [87] (WO2018/202048)  
 [30] CN (201710314210.1) 2017-05-05  
 [30] CN (201710939568.3) 2017-09-30

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[13] A1

- [51] Int.Cl. C07D 403/12 (2006.01) A61K 31/505 (2006.01) A61P 35/00 (2006.01)  
 [25] EN  
**[54] THE SALTS OF A COMPOUND AND THE CRYSTALLINE FORMS THEREOF**  
**[54] SELS ET FORMES CRISTALLINES D'UN COMPOSE**  
 [72] WU, ZHENPING, CN  
 [72] LIU, BO, CN  
 [72] LI, WENJI, CN  
 [72] CHU, YUPING, CN  
 [72] FENG, LING, CN  
 [72] SHEN, ZHIXIANG, CN  
 [71] HUTCHISON MEDIPHARMA LIMITED, CN  
 [85] 2019-11-04  
 [86] 2018-05-16 (PCT/CN2018/087047)  
 [87] (WO2018/210255)  
 [30] CN (201710343882.5) 2017-05-16

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<p>[21] <b>3,062,372</b> [13] A1</p> <p>[51] Int.Cl. E04G 5/08 (2006.01) E04G 1/15 (2006.01) E04G 7/30 (2006.01) E04G 7/34 (2006.01)</p> <p>[25] EN</p> <p>[54] SCAFFOLDING DECKING AND METHOD FOR ITS PRODUCTION</p> <p>[54] PLATEFORME D'ECHAFAUDAGE ET SON PROCEDE DE FABRICATION</p> <p>[72] GAISER, ANDRE, DE</p> <p>[72] LEDER, CHRISTIAN, DE</p> <p>[72] ANDREE, JURGEN, DE</p> <p>[71] PERI GMBH, DE</p> <p>[85] 2019-11-04</p> <p>[86] 2018-04-27 (PCT/EP2018/060826)</p> <p>[87] (WO2018/202561)</p> <p>[30] DE (10 2017 207 531.7) 2017-05-04</p>
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<p>[21] <b>3,062,373</b> [13] A1</p> <p>[51] Int.Cl. H04W 28/06 (2009.01)</p> <p>[25] EN</p> <p>[54] INFORMATION SENDING AND RECEIVING METHOD, NETWORK DEVICE, AND TERMINAL DEVICE</p> <p>[54] PROCEDE DE TRANSMISSION ET DE RECEPTION D'INFORMATIONS, DISPOSITIF DE RESEAU ET DISPOSITIF TERMINAL</p> <p>[72] LIU, JIN, CN</p> <p>[72] YUAN, PU, CN</p> <p>[72] LUO, JUN, CN</p> <p>[71] HUAWEI TECHNOLOGIES CO., LTD., CN</p> <p>[85] 2019-11-04</p> <p>[86] 2018-05-03 (PCT/CN2018/085499)</p> <p>[87] (WO2018/202093)</p> <p>[30] CN (201710313281.X) 2017-05-05</p>
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<p>[21] <b>3,062,375</b> [13] A1</p> <p>[51] Int.Cl. H04L 1/00 (2006.01)</p> <p>[25] EN</p> <p>[54] TECHNIQUES AND APPARATUSES FOR SIGNALING REGARDING CONTROL REGION SIZE</p> <p>[54] TECHNIQUES ET APPAREILS DE SIGNALISATION CONCERNANT LA TAILLE D'UNE ZONE DE COMMANDE</p> <p>[72] LEE, HEECHOOON, US</p> <p>[72] SUN, JING, US</p> <p>[72] GAAL, PETER, US</p> <p>[71] QUALCOMM INCORPORATED, US</p> <p>[85] 2019-11-04</p> <p>[86] 2018-06-11 (PCT/CN2018/090573)</p> <p>[87] (WO2018/228305)</p> <p>[30] CN (PCT/CN2017/087941) 2017-06-12</p>
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<p>[21] <b>3,062,376</b> [13] A1</p> <p>[51] Int.Cl. A61M 16/04 (2006.01) A61M 25/00 (2006.01)</p> <p>[25] EN</p> <p>[54] INTUBATION DEVICES</p> <p>[54] DISPOSITIFS D'INTUBATION</p> <p>[72] POORMAND, GHASSEM, GB</p> <p>[71] FLEXICARE (GROUP) LIMITED, GB</p> <p>[85] 2019-11-04</p> <p>[86] 2018-05-02 (PCT/EP2018/061216)</p> <p>[87] (WO2018/202720)</p> <p>[30] GB (1707174.7) 2017-05-05</p>
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<p>[21] <b>3,062,379</b> [13] A1</p> <p>[51] Int.Cl. H04W 4/80 (2018.01) H04W 84/18 (2009.01) A24F 47/00 (2006.01)</p> <p>[25] EN</p> <p>[54] A METHOD AND AN AEROSOL DELIVERY DEVICE FOR TRANSMITTING AEROSOL DELIVERY DEVICE INFORMATION</p> <p>[54] DISPOSITIF DE DISTRIBUTION D'AEROSOL ET PROCEDE PERMETTANT DE TRANSMETTRE DES INFORMATIONS RELATIVES AU DISPOSITIF DE DISTRIBUTION D'AEROSOL</p> <p>[72] KERSEY, ROBERT, GB</p> <p>[72] BAKER, DARRYL, GB</p> <p>[72] MOLONEY, PATRICK, GB</p> <p>[72] EZEOKO, MAURICE, GB</p> <p>[71] BRITISH AMERICAN TOBACCO (INVESTMENTS) LIMITED, GB</p> <p>[85] 2019-11-04</p> <p>[86] 2018-05-01 (PCT/EP2018/061086)</p> <p>[87] (WO2018/202651)</p> <p>[30] GB (1707050.9) 2017-05-03</p>
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<p>[21] <b>3,062,380</b> [13] A1</p> <p>[51] Int.Cl. C08G 18/48 (2006.01) C08G 18/22 (2006.01) C08G 18/32 (2006.01) C08G 18/40 (2006.01) C08G 18/42 (2006.01) C08G 18/66 (2006.01) C08G 18/76 (2006.01)</p> <p>[25] EN</p> <p>[54] A POLYISOCYANURATE FOAM FOR SANDWICH PANEL WITH LOW PROCESSING TEMPERATURE AND ENHANCED ADHESION</p> <p>[54] MOUSSE DE POLYISOCYANURATE POUR PANNEAU SANDWICH A BASSE TEMPERATURE DE TRAITEMENT ET ADHERENCE AMELIOREE</p> <p>[72] BOUGUETTAYA, MOHAMED, US</p> <p>[72] ZHAO, LIAN JIANG, CN</p> <p>[72] LI, XUE QING, CN</p> <p>[72] SHENG, YAN, CN</p> <p>[72] ZHOU, WEI JIE, CN</p> <p>[71] BASF SE, DE</p> <p>[85] 2019-11-04</p> <p>[86] 2018-05-09 (PCT/EP2018/061968)</p> <p>[87] (WO2018/206624)</p> <p>[30] CN (PCT/CN2017/083992) 2017-05-11</p>
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<p style="text-align: right;"><b>[21] 3,062,383</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. H04L 12/16 (2006.01) G06Q 20/06 (2012.01) G06Q 20/22 (2012.01) H04L 12/28 (2006.01) H04L 29/06 (2006.01)</p> <p>[25] EN</p> <p>[54] SYSTEM, DEVICES AND METHOD FOR APPROXIMATING A GEOGRAPHIC ORIGIN OF A CRYPTOCURRENCY TRANSACTION</p> <p>[54] SYSTEME, DISPOSITIFS ET PROCEDE D'APPROXIMATION D'UNE ORIGINE GEOGRAPHIQUE D'UNE TRANSACTION EN CRYPTOMONNAIE</p> <p>[72] ANSTEY, MARTY ROBERT, CA</p> <p>[72] SZMIGIELSKI, WOJCIECH, CA</p> <p>[72] ANSTEY, SHONE, CA</p> <p>[71] BLOCKCHAIN TECHNOLOGY GROUP INC. DBA BLOCKCHAIN INTELLIGENCE GROUP, CA</p> <p>[85] 2019-10-31</p> <p>[86] 2018-04-30 (PCT/CA2018/050504)</p> <p>[87] (WO2018/201237)</p> <p>[30] US (62/492,621) 2017-05-01</p>	<p style="text-align: right;"><b>[21] 3,062,385</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. C07K 7/64 (2006.01) A61K 38/12 (2006.01) A61P 29/00 (2006.01) A61P 37/06 (2006.01) C07K 7/00 (2006.01) C07K 7/50 (2006.01) C07K 7/54 (2006.01)</p> <p>[25] EN</p> <p>[54] HOMODETIC CYCLIC PEPTIDES TARGETING A4S7 1INTEGRIN</p> <p>[54] PEPTIDES CYCLIQUES HOMODETIQUES CIBLANT L'INTEGRINE A4S7</p> <p>[72] VAZQUEZ, MANUEL PEREZ, CA</p> <p>[72] MORSHED, MONZUR M., CA</p> <p>[72] KAFAL, ADAM PAUL, CA</p> <p>[72] ROUGHTON, ANDREW, CA</p> <p>[72] HICKEY, JENNIFER L., CA</p> <p>[71] ENCYCLE THERAPEUTICS, INC., CA</p> <p>[85] 2019-11-04</p> <p>[86] 2018-05-10 (PCT/CA2018/000087)</p> <p>[87] (WO2018/205008)</p> <p>[30] US (62/504,309) 2017-05-10</p>	<p style="text-align: right;"><b>[21] 3,062,387</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B32B 27/08 (2006.01) B32B 27/30 (2006.01) B32B 27/32 (2006.01) B32B 27/34 (2006.01)</p> <p>[25] EN</p> <p>[54] RECYCLABLE, EASILY TEARABLE PACKAGING LAMINATE HAVING A GOOD BARRIER EFFECT AND METHOD FOR PRODUCTION THEREOF</p> <p>[54] STRATIFIE D'EMBALLAGE RECYCLABLE, FACILEMENT DECHIRABLE, A EFFET BARRIERE SATISFAISANT, ET SON PROCEDE DE FABRICATION</p> <p>[72] GREFENSTEIN, ACHIM, DE</p> <p>[72] KICK, MARKUS, DE</p> <p>[72] LAMTIGUI, THAMI, DE</p> <p>[71] CONSTANTIA PIRK GMBH &amp; CO. KG, DE</p> <p>[85] 2019-11-04</p> <p>[86] 2018-04-24 (PCT/EP2018/060462)</p> <p>[87] (WO2018/202479)</p> <p>[30] AT (A50372/2017) 2017-05-05</p> <p>[30] AT (A50622/2017) 2017-07-25</p>

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<p><b>[21] 3,062,388</b></p> <p>[13] A1</p> <p>[51] Int.Cl. C07C 233/87 (2006.01) A61K 31/166 (2006.01) A61K 31/18 (2006.01) A61K 31/195 (2006.01) A61K 31/277 (2006.01) A61K 31/41 (2006.01) A61K 31/4465 (2006.01) A61P 1/16 (2006.01) A61P 3/06 (2006.01) C07C 233/73 (2006.01) C07C 233/76 (2006.01) C07C 233/78 (2006.01) C07C 235/52 (2006.01) C07C 237/30 (2006.01) C07C 237/36 (2006.01) C07C 255/60 (2006.01) C07C 275/42 (2006.01) C07C 311/08 (2006.01) C07C 311/46 (2006.01) C07C 311/51 (2006.01) C07C 317/32 (2006.01) C07C 321/28 (2006.01) C07D 211/32 (2006.01) C07D 257/04 (2006.01)</p> <p>[25] EN</p> <p>[54] DUAL MODULATORS OF FARNESEOID X RECEPTOR AND SOLUBLE EPOXIDE HYDROLASE</p> <p>[54] MODULATEURS DOUBLES DU RECEPTEUR FARNEOÏDE X ET DE L'EPOXYDE HYDROLASE SOLUBLE</p> <p>[72] MERK, DANIEL, DE</p> <p>[72] SCHMIDT, JUREMA, DE</p> <p>[72] PROSCHAK, EWGENIJ, DE</p> <p>[72] SCHUBERT-ZSILAVECZ, MANFRED, DE</p> <p>[72] HELMSTADTER, MORITZ, DE</p> <p>[71] JOHANN WOLFGANG GOETHE-UNIVERSITAT FRANKFURT AM MAIN, DE</p> <p>[85] 2019-11-04</p> <p>[86] 2018-05-24 (PCT/EP2018/063699)</p> <p>[87] (WO2018/215610)</p> <p>[30] EP (PCT/EP2017/062692) 2017-05-24</p>
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<p><b>[21] 3,062,389</b></p> <p>[13] A1</p> <p>[51] Int.Cl. G01V 1/00 (2006.01) G01V 1/38 (2006.01)</p> <p>[25] EN</p> <p>[54] NARROW TOW MARINE VIBRATORS FOR SIMULTANEOUS SWEEPS</p> <p>[54] VIBRATEURS MARINS DE REMORQUAGE ETROITS POUR BALAYAGES SIMULTANES</p> <p>[72] STRAND, CHRISTIAN, NO</p> <p>[72] BEITZ, MANUEL, NO</p> <p>[72] ORJI, OKWUDILI, NO</p> <p>[72] MOSTAVAN, AVERROUZ, NO</p> <p>[72] TENGHAMN, STIG RUNE LENNART, NO</p> <p>[72] MATTSSON, ANDERS GORAN, NO</p> <p>[71] PGS GEOPHYSICAL AS, NO</p> <p>[85] 2019-11-04</p> <p>[86] 2018-05-04 (PCT/EP2018/061546)</p> <p>[87] (WO2018/202869)</p> <p>[30] US (62/502,142) 2017-05-05</p> <p>[30] US (15/967,969) 2018-05-01</p>
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<p><b>[21] 3,062,391</b></p> <p>[13] A1</p> <p>[51] Int.Cl. C08G 18/67 (2006.01) C08G 18/10 (2006.01) C08G 18/24 (2006.01) C08G 18/32 (2006.01) C08G 18/76 (2006.01) C08L 75/16 (2006.01)</p> <p>[25] EN</p> <p>[54] BRANCHED URETHANE METHACRYLATE COMPOUNDS AND USE THEREOF</p> <p>[54] COMPOSES METHACRYLATES D'URETHANE RAMIFIES ET LEUR UTILISATION</p> <p>[72] NICKERL, GEORG, DE</p> <p>[72] GNASS, BEATE, DE</p> <p>[72] BUNZEN, JENS, DE</p> <p>[71] HILTI AKTIENGESELLSCHAFT, LI</p> <p>[85] 2019-11-04</p> <p>[86] 2018-06-25 (PCT/EP2018/066882)</p> <p>[87] (WO2019/007725)</p> <p>[30] EP (17179291.4) 2017-07-03</p>
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<p><b>[21] 3,062,390</b></p> <p>[13] A1</p> <p>[51] Int.Cl. B07B 13/18 (2006.01) B07B 1/42 (2006.01) B07B 1/46 (2006.01) B07B 13/16 (2006.01) B07B 1/52 (2006.01) G09B 9/12 (2006.01)</p> <p>[25] EN</p> <p>[54] SIEVING DEVICE AND OPERATING METHOD</p> <p>[54] DISPOSITIF DE TAMISAGE ET PROCEDE DE FONCTIONNEMENT</p> <p>[72] CARRASCO, CESAR, CH</p> <p>[71] A O IDEAS GMBH, CH</p> <p>[85] 2019-11-04</p> <p>[86] 2018-05-27 (PCT/EP2018/063859)</p> <p>[87] (WO2018/219840)</p> <p>[30] EP (17173326.4) 2017-05-29</p>
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<p><b>[21] 3,062,392</b></p> <p>[13] A1</p> <p>[51] Int.Cl. C08G 18/67 (2006.01) C08G 18/24 (2006.01) C08G 18/73 (2006.01) C08G 18/75 (2006.01) C08G 18/76 (2006.01) C08L 75/16 (2006.01)</p> <p>[25] EN</p> <p>[54] REACTIVE RESINS CONTAINING URETHANE METHACRYLATE COMPOUNDS, REACTIVE-RESIN COMPONENTS AND REACTIVE-RESIN SYSTEMS AND USE THEREOF</p> <p>[54] RESINES REACTIVES CONTENANT DES COMPOSES METHACRYLATES D'URETHANE, CONSTITUANTS CONSTITUEES DE RESINE REACTIVE AINSI QUE SYSTEMES A RESINE REACTIVE ET LEUR UTILISATION</p> <p>[72] NICKERL, GEORG, DE</p> <p>[72] GNASS, BEATE, DE</p> <p>[72] BUNZEN, JENS, DE</p> <p>[71] HILTI AKTIENGESELLSCHAFT, LI</p> <p>[85] 2019-11-04</p> <p>[86] 2018-06-21 (PCT/EP2018/066515)</p> <p>[87] (WO2019/007693)</p> <p>[30] EP (17179293.0) 2017-07-03</p>
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[13] A1

- [51] Int.Cl. B60R 9/058 (2006.01) B60R 9/05 (2006.01)
  - [25] EN
  - [54] LOAD CARRIER FOOT
  - [54] PIED DE PORTE-BAGAGES
  - [72] ANDERSSON, STEFAN, SE
  - [72] LARSSON, FREDRIK, SE
  - [71] THULE SWEDEN AB, SE
  - [85] 2019-11-04
  - [86] 2018-12-18 (PCT/EP2018/085449)
  - [87] (WO2019/121651)
  - [30] DE (20 2018 105 171.7) 2018-09-10
  - [30] EP (17208327.1) 2017-12-19
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[21] **3,062,394**  
[13] A1

- [51] Int.Cl. A61K 31/357 (2006.01) A61K 33/00 (2006.01) A61P 33/06 (2006.01)
- [25] EN
- [54] COMPOSITIONS AND TREATMENT PROCEDURES FOR THE TREATMENT OF PATHOGENIC INFECTIONS
- [54] COMPOSITIONS ET PROCEDURES DE TRAITEMENT POUR LE TRAITEMENT D'INFECTIONS PATHOGENES
- [72] SCHAUB, WALTER, CH
- [71] SCHAUB, WALTER, CH
- [85] 2019-11-04
- [86] 2018-05-04 (PCT/EP2018/061607)
- [87] (WO2018/202897)
- [30] CH (00599/17) 2017-05-04

[21] **3,062,395**  
[13] A1

- [51] Int.Cl. C08G 18/67 (2006.01) C08G 18/24 (2006.01) C08G 18/76 (2006.01) C08L 75/16 (2006.01)
  - [25] EN
  - [54] URETHANE METHACRYLATE COMPOUNDS AND USE THEREOF
  - [54] COMPOSES METHACRYLATES D'URETHANE ET LEUR UTILISATION
  - [72] NICKERL, GEORG, DE
  - [72] GNASS, BEATE, DE
  - [72] PARK, NATJA, DE
  - [72] BUNZEN, JENS, DE
  - [72] SCHAEFERS, KLAUS, DE
  - [72] NEUERBURG, RALF, DE
  - [72] STROBEL-SCHMIDT, RAINER, DE
  - [72] GAEFKE, GERALD, DE
  - [71] HILTI AKTIENGESELLSCHAFT, LI
  - [85] 2019-11-04
  - [86] 2018-06-19 (PCT/EP2018/066243)
  - [87] (WO2019/007667)
  - [30] EP (17179287.2) 2017-07-03
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[21] **3,062,396**  
[13] A1

- [51] Int.Cl. A61B 8/00 (2006.01) G10K 11/00 (2006.01) G10K 11/35 (2006.01)
- [25] EN
- [54] HAND HELD ULTRASOUND PROBE
- [54] SONDE ULTRASONORE PORTATIVE
- [72] HUHTAMAKI, JARI, FI
- [72] LIEDES, TUOMO, FI
- [72] ULRIC, TANAR, US
- [72] BOCKENSTEDT, CRAIG, US
- [72] LITTLE, BLAKE, US
- [71] BIIM ULTRASOUND AS, NO
- [85] 2019-11-04
- [86] 2018-05-01 (PCT/IB2018/000627)
- [87] (WO2018/203142)
- [30] US (62/502,323) 2017-05-05

[21] **3,062,397**  
[13] A1

- [51] Int.Cl. G06Q 10/00 (2012.01)
  - [25] EN
  - [54] A SYSTEM FOR IMPROVED DATA STORAGE AND RETRIEVAL
  - [54] SYSTEME DE STOCKAGE ET DE RECUPERATION DE DONNEES AMELIORE
  - [72] APPS, STEPHEN DAVID, GB
  - [72] HOBLEY, ROGER LEONARD, GB
  - [71] BAE SYSTEMS PLC, GB
  - [85] 2019-11-04
  - [86] 2018-05-11 (PCT/GB2018/051275)
  - [87] (WO2018/206975)
  - [30] GB (1707605.0) 2017-05-12
  - [30] EP (17275067.1) 2017-05-12
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[13] A1

- [51] Int.Cl. E21B 21/06 (2006.01) B60P 3/24 (2006.01) E21B 41/00 (2006.01)
- [25] EN
- [54] VEHICLE, METHOD, AND SYSTEM FOR WASTE MATERIALS
- [54] VEHICULE, PROCEDE ET SYSTEME POUR DECHETS
- [72] MCNABB, ANDREW, CA
- [72] HUANG, XIAN MENG, CA
- [72] PIETTE, NOLAN, CA
- [71] METAFLO TECHNOLOGIES INC., CA
- [85] 2019-11-04
- [86] 2018-05-03 (PCT/IB2018/053094)
- [87] (WO2018/203283)
- [30] US (62/501,361) 2017-05-04

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<p style="text-align: right;">[21] <b>3,062,399</b> [13] A1</p> <p>[51] Int.Cl. C08B 37/00 (2006.01) A61K 39/095 (2006.01) C08H 1/00 (2006.01) C08L 5/00 (2006.01)</p> <p>[25] EN</p> <p>[54] <b>METHOD FOR REMOVAL OF IMPURITIES FROM BACTERIAL CAPSULAR POLYSACCHARIDE BASED PREPARATIONS</b></p> <p>[54] <b>PROCEDE D'ELIMINATION D'IMPURETES DE PREPARATIONS A BASE DE POLYSACCHARIDE CAPSULAIRE BACTERIEN</b></p> <p>[72] DHERE, RAJEEV MHALASAKANT, IN</p> <p>[72] PISAL, SAMBAJI SHANKAR, IN</p> <p>[72] ANNAMRAJU, DATTATREYA SARMA, IN</p> <p>[71] SERUM INSTITUTE OF INDIA PRIVATE LIMITED, IN</p> <p>[85] 2019-11-04</p> <p>[86] 2018-05-03 (PCT/IB2018/053069)</p> <p>[87] (WO2018/203268)</p> <p>[30] IN (201721015961) 2017-05-05</p>
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<p style="text-align: right;">[21] <b>3,062,400</b> [13] A1</p> <p>[51] Int.Cl. A61K 39/395 (2006.01) A61K 31/00 (2006.01) A61P 35/00 (2006.01) C07K 16/28 (2006.01)</p> <p>[25] EN</p> <p>[54] <b>TREATMENT PARADIGM FOR AN ANTI-CD19 ANTIBODY AND VENETOCLAX COMBINATION TREATMENT</b></p> <p>[54] <b>PARADIGME DE TRAITEMENT POUR UN TRAITEMENT COMBINE D'ANTICORPS ANTI-CD19 ET DE VENETOCLAX</b></p> <p>[72] KELEMEN, PETER, DE</p> <p>[72] SCHWARZ, MICHAEL, DE</p> <p>[72] WINDERLICH, MARK, DE</p> <p>[72] HEEGER, STEFFEN, DE</p> <p>[72] WEINELT, DOMINIKA, DE</p> <p>[71] MORPHOSYS AG, DE</p> <p>[85] 2019-11-04</p> <p>[86] 2018-05-30 (PCT/EP2018/064229)</p> <p>[87] (WO2018/220040)</p> <p>[30] EP (17173712.5) 2017-05-31</p>
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<p style="text-align: right;">[21] <b>3,062,401</b> [13] A1</p> <p>[51] Int.Cl. C09J 7/50 (2018.01) C09J 7/24 (2018.01)</p> <p>[25] EN</p> <p>[54] <b>ADHESIVE TAPES</b></p> <p>[54] <b>RUBANS ADHESIFS</b></p> <p>[72] EMSLANDER, JEFFREY O., US</p> <p>[72] FORNOF, ANN R., US</p> <p>[72] GARCIA-RAMIREZ, RAFAEL, US</p> <p>[72] KRIEGER, JAY M., US</p> <p>[72] PATNODE, GREGG A., US</p> <p>[72] ROSNER, ROBERT B., US</p> <p>[72] ROTHER, CHRISTOPHER J., US</p> <p>[72] DE SOUZA, JOSE P., US</p> <p>[72] YOUNG, JACOB D., US</p> <p>[71] 3M INNOVATIVE PROPERTIES COMPANY, US</p> <p>[85] 2019-11-04</p> <p>[86] 2018-05-07 (PCT/IB2018/053165)</p> <p>[87] (WO2018/207080)</p> <p>[30] US (62/505,408) 2017-05-12</p>
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<p style="text-align: right;">[21] <b>3,062,402</b> [13] A1</p> <p>[51] Int.Cl. G05D 1/08 (2006.01) B25J 5/00 (2006.01) E04H 4/16 (2006.01)</p> <p>[25] EN</p> <p>[54] <b>AUTOMATIC POOL CLEANER TRACTION CORRECTION</b></p> <p>[54] <b>CORRECTION DE LA TRACTION D'UN NETTOYEUR DE PISCINE AUTOMATIQUE</b></p> <p>[72] TEUSCHER, SCOTT, US</p> <p>[71] HAYWARD INDUSTRIES, INC., US</p> <p>[85] 2019-11-04</p> <p>[86] 2018-05-02 (PCT/US2018/030622)</p> <p>[87] (WO2018/204479)</p> <p>[30] US (15/587,672) 2017-05-05</p>
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<p style="text-align: right;">[21] <b>3,062,403</b> [13] A1</p> <p>[51] Int.Cl. B26D 3/30 (2006.01) A23N 5/00 (2006.01) B26D 1/00 (2006.01) B26D 1/45 (2006.01) B26D 1/553 (2006.01) B26D 1/58 (2006.01) B26D 7/06 (2006.01) B26D 7/08 (2006.01)</p> <p>[25] EN</p> <p>[54] <b>CUTTING DEVICE FOR PROCESSING PRODUCT UNITS</b></p> <p>[54] <b>DISPOSITIF DE COUPE POUR LE TRAITEMENT D'UNITES DE PRODUIT</b></p> <p>[72] CARRASCO, CESAR, CH</p> <p>[71] A O SCHALLINOX GMBH, CH</p> <p>[85] 2019-11-04</p> <p>[86] 2018-06-01 (PCT/EP2018/064540)</p> <p>[87] (WO2018/224410)</p> <p>[30] EP (17174864.3) 2017-06-07</p>
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<p style="text-align: right;">[21] <b>3,062,404</b> [13] A1</p> <p>[51] Int.Cl. B64C 1/26 (2006.01) B64F 5/10 (2017.01)</p> <p>[25] EN</p> <p>[54] <b>AIRCRAFT WING-TO-FUSELAGE INTERFACE PERMITTING POSITIONAL ADJUSTMENT</b></p> <p>[54] <b>INTERFACE AILE-FUSELAGE D'AERONEF PERMETTANT UN AJUSTEMENT DE POSITION</b></p> <p>[72] MURPHY, MICHAEL, CA</p> <p>[72] ARAUJO, JACK, CA</p> <p>[72] SHUM, GARY, CA</p> <p>[72] BRADLEY, GEORGE, CA</p> <p>[71] BOMBARDIER INC., CA</p> <p>[85] 2019-10-29</p> <p>[86] 2018-04-26 (PCT/IB2018/052910)</p> <p>[87] (WO2018/203190)</p> <p>[30] US (62/492,606) 2017-05-01</p>
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<p style="text-align: right;">[21] <b>3,062,405</b> [13] A1</p> <p>[51] Int.Cl. A61M 16/06 (2006.01) A61J 15/00 (2006.01) A61M 16/04 (2006.01) A61M 25/02 (2006.01)</p> <p>[25] EN</p> <p>[54] <b>FACE MASK FOR NON-INVASIVE MECHANICAL VENTILATION WITH LOW VALUE OF CO2 REBREATHING</b></p> <p>[54] <b>MASQUE FACIAL POUR VENTILATION MECANIQUE NON INVASIVE A FAIBLE VALEUR DE REINHALATION DE CO2</b></p> <p>[72] BORSARI, MAURIZIO, IT</p> <p>[71] DIMAR S.R.L., IT</p> <p>[85] 2019-11-04</p> <p>[86] 2018-05-10 (PCT/IB2018/053254)</p> <p>[87] (WO2018/207127)</p> <p>[30] IT (102017000051148) 2017-05-11</p>
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- [51] Int.Cl. C07C 67/26 (2006.01) C04B 40/06 (2006.01) C07C 69/54 (2006.01) C08F 222/10 (2006.01)
  - [25] EN
  - [54] EPOXY METHACRYLATE COMPOUNDS AND USE THEREOF
  - [54] COMPOSES EPOXYMETHACRYLATES ET LEUR UTILISATION
  - [72] NICKERL, GEORG, DE
  - [72] GNASS, BEATE, DE
  - [72] BUNZEN, JENS, DE
  - [72] GAEFKE, GERALD, DE
  - [72] BURGEL, THOMAS, DE
  - [71] HILTI AKTIENGESELLSCHAFT, LI
  - [85] 2019-11-04
  - [86] 2018-06-19 (PCT/EP2018/066215)
  - [87] (WO2019/007666)
  - [30] EP (17179290.6) 2017-07-03
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[13] A1

- [51] Int.Cl. A61F 9/007 (2006.01)
  - [25] EN
  - [54] ELECTRONICALLY ACTUATED RECIPROCATING SURGICAL INSTRUMENT
  - [54] INSTRUMENT CHIRURGICAL A MOUVEMENT ALTERNATIF ACTIONNE ELECTRONIQUEMENT
  - [72] UNDERWOOD, JOHN R., US
  - [71] ALCON INC., CH
  - [85] 2019-11-04
  - [86] 2018-06-11 (PCT/IB2018/054215)
  - [87] (WO2018/234924)
  - [30] US (62/522,974) 2017-06-21
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[13] A1

- [51] Int.Cl. H04L 27/26 (2006.01) H04W 74/08 (2009.01) H04J 13/00 (2011.01)
  - [25] EN
  - [54] METHOD FOR TRANSMITTING RANDOM ACCESS CHANNEL SIGNAL, USER EQUIPMENT, METHOD FOR RECEIVING RANDOM ACCESS CHANNEL SIGNAL, AND BASE STATION
  - [54] PROCEDE D'EMISSION D'UN SIGNAL DE CANAL D'ACCES ALEATOIRE, EQUIPEMENT D'UTILISATEUR, PROCEDE DE RECEPTION DE SIGNAL DE CANAL D'ACCES ALEATOIRE, ET STATION DE BASE
  - [72] KIM, EUNSUN, KR
  - [72] KO, HYUNSOO, KR
  - [72] KIM, KIJUN, KR
  - [72] YOON, SUKHYON, KR
  - [71] LG ELECTRONICS INC., KR
  - [85] 2019-11-04
  - [86] 2018-04-27 (PCT/KR2018/004959)
  - [87] (WO2018/203628)
  - [30] US (62/501,086) 2017-05-03
  - [30] US (62/507,752) 2017-05-17
  - [30] US (62/517,198) 2017-06-09
  - [30] US (62/535,941) 2017-07-23
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[13] A1

- [51] Int.Cl. B08B 9/043 (2006.01) F28G 1/00 (2006.01) F28G 15/04 (2006.01)
  - [25] EN
  - [54] DEVICE FOR DRIVING A FLEXIBLE LANCE
  - [54] DISPOSITIF D'ENTRAINEMENT DE LANCE FLEXIBLE
  - [72] VERSTAETEN, PAUL, NL
  - [71] PEINEMANN EQUIPMENT B.V., NL
  - [85] 2019-11-04
  - [86] 2018-05-02 (PCT/NL2018/050288)
  - [87] (WO2018/203747)
  - [30] NL (2018861) 2017-05-05
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[13] A1

- [51] Int.Cl. F17C 1/06 (2006.01)
  - [25] EN
  - [54] POLAR-CAP-REINFORCED PRESSURE VESSEL
  - [54] RESERVOIR SOUS PRESSION RENFORCE PAR DES CALOTTES POLAIRES
  - [72] SONNEN, MICHAEL, DE
  - [72] OTREMBA, FRANK, DE
  - [72] BAUMER, THOMAS, DE
  - [72] MIDDENDORF, CHRISTIAN, DE
  - [72] BICKENDORF, HEINZ-WILLI, DE
  - [71] NPROXX B.V., NL
  - [85] 2019-11-04
  - [86] 2018-05-08 (PCT/EP2018/061774)
  - [87] (WO2018/210606)
  - [30] DE (10 2017 208 492.8) 2017-05-19
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[13] A1

- [51] Int.Cl. H02G 3/22 (2006.01) F16L 5/02 (2006.01) G01M 3/18 (2006.01)
- [25] EN
- [54] A MONITORING SYSTEM FOR CABLE, PIPE OR WIRE TRANSITS, AND A TRANSIT GUARD UNIT FOR USE THEREIN
- [54] SYSTEME DE SURVEILLANCE DE PASSAGES DE CABLES, CANALISATIONS OU FILS, ET UNITE GARDIENNE DE PASSAGES DESTINEE A ETRE UTILISEE EN SON SEIN
- [72] PERSSON, MATTIAS, SE
- [71] ROXTEC AB, SE
- [85] 2019-11-04
- [86] 2018-05-09 (PCT/SE2018/050484)
- [87] (WO2018/208215)
- [30] SE (1750571-0) 2017-05-09

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[21] **3,062,412**  
[13] A1

- [51] Int.Cl. A61M 31/00 (2006.01) A61M 5/142 (2006.01) C25B 1/04 (2006.01)
  - [25] EN
  - [54] ROBUST, IMPLANTABLE GAS DELIVERY DEVICE AND METHODS, SYSTEMS AND DEVICES INCLUDING SAME
  - [54] DISPOSITIF IMPLANTABLE DE DISTRIBUTION ROBURTE, DE GAZ ET PROCEDES, SYSTEMES ET DISPOSITIFS L'UTILISANT
  - [72] FERRANTE, ANTHONY A., US
  - [72] STONE, SIMON G., US
  - [71] GINER LIFE SCIENCES, INC., US
  - [85] 2019-11-04
  - [86] 2018-05-04 (PCT/US2018/031223)
  - [87] (WO2018/204867)
  - [30] US (62/501,488) 2017-05-04
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[21] **3,062,413**  
[13] A1

- [51] Int.Cl. H01M 2/02 (2006.01) B65D 51/24 (2006.01) B65D 79/02 (2006.01) H01M 2/10 (2006.01) H01M 6/04 (2006.01) H01M 6/40 (2006.01)
  - [25] EN
  - [54] SMART PACKAGING FOR ANY TYPE OF PRODUCT
  - [54] EMBALLAGE INTELLIGENT POUR UN QUELCONQUE TYPE DE PRODUIT
  - [72] THOMPSON, KEENAN, BE
  - [72] HENDERSON, CHARLES, GB
  - [71] ANHEUSER-BUSH INBEV S.A., BE
  - [85] 2019-11-04
  - [86] 2018-05-08 (PCT/EP2018/061792)
  - [87] (WO2018/206543)
  - [30] BE (2017/5346) 2017-05-10
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[21] **3,062,414**  
[13] A1

- [51] Int.Cl. A47J 31/36 (2006.01)
  - [25] EN
  - [54] A BREWING MODULE AND DRINKS PREPARATION MACHINE
  - [54] MODULE D'INFUSION ET MACHINE DE PREPARATION DE BOISSON
  - [72] ZWICKER, DOMINIC, CH
  - [72] SCHULTHEISS, CHRISTIAN, CH
  - [72] FEDERER, JOHANNES, CH
  - [71] TCHIBO GMBH, DE
  - [85] 2019-11-04
  - [86] 2018-05-16 (PCT/EP2018/062648)
  - [87] (WO2018/210897)
  - [30] EP (17172057.6) 2017-05-19
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[21] **3,062,415**  
[13] A1

- [51] Int.Cl. A61K 39/395 (2006.01) A61P 27/14 (2006.01)
  - [25] EN
  - [54] METHODS AND COMPOSITIONS FOR TREATING ALLERGIC OCULAR DISEASES
  - [54] METHODES ET COMPOSITIONS PERMETTANT DE TRAITER DES MALADIES OCULAIRES ALLERGIQUES
  - [72] BEBBINGTON, CHRISTOPHER ROBERT, US
  - [72] YOUNGBLOOD, BRADFORD ANDREW, US
  - [72] TOMASEVIC, NENAD, US
  - [71] ALLAKOS INC., US
  - [85] 2019-11-04
  - [86] 2018-05-04 (PCT/US2018/031226)
  - [87] (WO2018/204868)
  - [30] US (62/502,479) 2017-05-05
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[21] **3,062,416**  
[13] A1

- [51] Int.Cl. B32B 5/02 (2006.01) D04H 1/4374 (2012.01) D04H 1/559 (2012.01) D04H 1/593 (2012.01) B29C 65/00 (2006.01) B32B 3/06 (2006.01) B32B 5/08 (2006.01) B32B 5/14 (2006.01) B32B 5/26 (2006.01) B32B 7/08 (2019.01) B32B 37/00 (2006.01)
  - [25] EN
  - [54] NONWOVEN CARRIER MATERIAL COMPRISING A FIRST PART AND A SECOND PART
  - [54] MATERIAU DE SUPPORT NON TISSE COMPRENANT UNE PREMIERE PARTIE ET UNE SECONDE PARTIE
  - [72] HERMANS, GIJSBERTUS, NL
  - [72] DE JONGE, JOHANNES, NL
  - [71] LOW & BONAR B.V., NL
  - [85] 2019-11-04
  - [86] 2018-05-08 (PCT/EP2018/061825)
  - [87] (WO2018/206554)
  - [30] EP (17170052.9) 2017-05-09
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[21] **3,062,417**  
[13] A1

- [51] Int.Cl. B01D 3/10 (2006.01) C07C 303/44 (2006.01) C07C 309/04 (2006.01)
  - [25] EN
  - [54] PROCESSES AND SYSTEMS FOR RECOVERING METHANESULFONIC ACID IN PURIFIED FORM
  - [54] PROCESSUS ET SYSTEMES POUR LA RECUPERATION DE L'ACIDE METHANE-SULFONIQUE SOUS FORME PURIFIEE
  - [72] MILLER, JAY F., US
  - [72] SMITH, GARY S., US
  - [72] FORTMAN, GEORGE C., US
  - [72] SRINIVAS, VIJAY R., US
  - [71] ARKEMA INC., US
  - [85] 2019-11-04
  - [86] 2018-05-08 (PCT/US2018/031466)
  - [87] (WO2018/208701)
  - [30] US (62/504,577) 2017-05-11
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[21] **3,062,418**  
[13] A1

- [51] Int.Cl. A61K 45/06 (2006.01) A61K 38/17 (2006.01) A61K 39/395 (2006.01) A61P 27/02 (2006.01) C07K 14/71 (2006.01) C07K 16/22 (2006.01)
- [25] EN
- [54] METHODS OF TREATING EYE DISORDERS WITH APLNR ANTAGONISTS AND VEGF INHIBITORS
- [54] METHODES DE TRAITEMENT DE TROUBLES OCULAIRES AVEC DES ANTAGONISTES D'APLNR ET DES INHIBITEURS DE VEGF
- [72] CAO, JINGTAI, US
- [72] CHEUNG, EUNICE, US
- [72] LOBOV, IVAN B., US
- [71] REGENERON PHARMACEUTICALS, INC., US
- [85] 2019-11-04
- [86] 2018-05-04 (PCT/US2018/031255)
- [87] (WO2018/208625)
- [30] US (62/502,621) 2017-05-06

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<b>[21] 3,062,419</b> [13] A1 [51] Int.Cl. B60B 9/18 (2006.01) [25] EN [54] WHEEL MODULE WITH INTEGRATED ACTIVE SUSPENSION [54] MODULE DE ROUE DOTE D'UNE SUSPENSION ACTIVE INTEGREE [72] SIGMAR, AXEL MICHAEL, US [71] SIGMAR, AXEL MICHAEL, US [85] 2019-11-04 [86] 2017-12-30 (PCT/US2017/069161) [87] (WO2018/126241) [30] US (62/440,984) 2016-12-30
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<b>[21] 3,062,420</b> [13] A1 [51] Int.Cl. A61K 33/00 (2006.01) A61K 9/14 (2006.01) A61K 9/50 (2006.01) A61K 9/51 (2006.01) A61P 27/02 (2006.01) [25] EN [54] COMPOSITION CONTAINING CHLORINE DIOXIDE AND METHODS FOR USING SAME [54] COMPOSITION CONTENANT DU DIOXYDE DE CHLORE ET SES METHODES D'UTILISATION [72] PAMEL, GREGORY J., US [71] PAMEL, GREGORY J., US [85] 2019-11-04 [86] 2018-05-07 (PCT/US2018/031318) [87] (WO2018/204905) [30] US (62/502,085) 2017-05-05 [30] US (62/608,889) 2017-12-21
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<b>[21] 3,062,421</b> [13] A1 [51] Int.Cl. G02B 27/01 (2006.01) G02B 26/00 (2006.01) G02B 26/08 (2006.01) G02F 1/13 (2006.01) [25] EN [54] REFLECTIVE LENS HEADSET [54] CASQUE A LENTILLE REFLECHISSANTE [72] REED, MONTANA, US [71] MIRA LABS, INC., US [85] 2019-11-04 [86] 2018-04-03 (PCT/US2018/025959) [87] (WO2018/187379) [30] US (62/480,992) 2017-04-03 [30] US (62/533,606) 2017-07-17 [30] US (62/553,692) 2017-09-01 [30] US (62/560,032) 2017-09-18 [30] US (62/591,760) 2017-11-28
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<b>[21] 3,062,422</b> [13] A1 [51] Int.Cl. B60B 9/18 (2006.01) [25] EN [54] DYNAMIC CAMBER ADJUSTMENT [54] REGLAGE DE CARROSSAGE DYNAMIQUE [72] SIGMAR, AXEL MICHAEL, US [71] SIGMAR, AXEL MICHAEL, US [85] 2019-11-04 [86] 2017-12-30 (PCT/US2017/069162) [87] (WO2018/126242) [30] US (62/440,984) 2016-12-30
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<b>[21] 3,062,425</b> [13] A1 [51] Int.Cl. C10G 9/16 (2006.01) B01J 19/00 (2006.01) B01J 19/24 (2006.01) C10G 9/20 (2006.01) C10G 75/00 (2006.01) F28F 1/40 (2006.01) [25] EN [54] HEAT TRANSFER TUBE FOR HYDROCARBON PROCESSING [54] TUBE DE TRANSFERT DE CHALEUR POUR TRAITEMENT D'HYDROCARBURES [72] SPICER, DAVID B., US [72] KRISHNAMOORTHI, BHARATH, US [71] EXXONMOBIL CHEMICAL PATENTS INC., US [85] 2019-11-04 [86] 2018-04-16 (PCT/US2018/027778) [87] (WO2018/204060) [30] US (62/502,249) 2017-05-05
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<b>[21] 3,062,423</b> [13] A1 [51] Int.Cl. A01B 63/32 (2006.01) A01B 73/04 (2006.01) [25] EN [54] EQUALIZATION MECHANISM OF MULTIPLE INTEGRAL CHASSIS WEIGHT IN AGRICULTURAL MACHINERY AND IMPLEMENTS [54] MECANISME D'EGLALISATION DU POIDS DES MULTIPLES CHASSIS COMPRISE DANS DES MACHINES ET DES OUTILS AGRICOLES [72] TRENNEPohl, ATILA, BR [71] STARA S/A INDUSTRIA DE IMPLEMENTOS AGRICOLAS, BR [85] 2019-11-05 [86] 2018-05-02 (PCT/BR2018/050142) [87] (WO2018/205000) [30] BR (BR1020170096556) 2017-05-08
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<b>[21] 3,062,424</b> [13] A1 [51] Int.Cl. A61K 39/395 (2006.01) A61P 29/00 (2006.01) C07K 16/28 (2006.01) [25] EN [54] ANTI-IL-1R3 ANTIBODIES FOR USE IN INFLAMMATORY CONDITIONS [54] ANTICORPS ANTI-IL-1R3 POUR UTILISATION DANS DES CONDITIONS INFLAMMATOIRES [72] FISCHER, STEPHAN, DE [72] BECKMANN, KARSTEN, DE [71] MAB DISCOVERY GMBH, DE [85] 2019-11-04 [86] 2018-05-08 (PCT/EP2018/061846) [87] (WO2018/206565) [30] EP (17169953.1) 2017-05-08
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<b>[21] 3,062,426</b> [13] A1 [51] Int.Cl. C12N 15/88 (2006.01) A61K 47/00 (2006.01) C12N 5/00 (2006.01) [25] EN [54] COMPOSITIONS FOR FACILITATING MEMBRANE FUSION AND USES THEREOF [54] COMPOSITIONS POUR FACILITER LA FUSION MEMBRANAIRE ET LEURS UTILISATIONS [72] VON MALTZAHN, GEOFFREY A., US [72] MILWID, JOHN MILES, US [72] MEE, MICHAEL TRAVIS, US [72] RUBENS, JACOB ROSENBLUM, US [72] STEBBINS, NATHAN WILSON, US [72] GIBSON, MOLLY KRISANN, US [72] GORDON, NEAL FRANCIS, US [72] ZHANG, BO, US [72] TRUDEAU, KYLE MARVIN, US [72] HARTLEY, BRIGHAM JAY, US [72] PUTIRI, TAMAR ROSE, US [72] MAHDAVIANI, KIANA, US [72] DOBBIN, MATTHEW MILNES, US [71] FLAGSHIP PIONEERING INNOVATIONS V, INC., US [85] 2019-11-04 [86] 2018-05-08 (PCT/US2018/031515) [87] (WO2018/208728) [30] US (62/502,998) 2017-05-08 [30] US (62/575,147) 2017-10-20 [30] US (62/595,862) 2017-12-07
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<p>[21] <b>3,062,427</b> [13] A1</p> <p>[51] Int.Cl. F16L 21/00 (2006.01) E21B 17/042 (2006.01) E21B 17/08 (2006.01) F16L 15/00 (2006.01) F16L 25/00 (2006.01)</p> <p>[25] EN</p> <p>[54] CURVILINEAR SEALING SYSTEM</p> <p>[54] SYSTEME D'ETANCHEITE CURVILIGNE</p> <p>[72] JUAREZ, ALEJANDRO, US</p> <p>[71] ULTRA PREMIUM SERVICES, L.L.C., US</p> <p>[85] 2019-11-04</p> <p>[86] 2018-04-25 (PCT/US2018/029267)</p> <p>[87] (WO2018/208503)</p> <p>[30] US (62/505,262) 2017-05-12</p>
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<p>[21] <b>3,062,428</b> [13] A1</p> <p>[51] Int.Cl. C01F 7/00 (2006.01) C01F 7/56 (2006.01)</p> <p>[25] EN</p> <p>[54] CONCENTRATED AQUEOUS SOLUTIONS OF ALUMINUM CHLOROHYDRATE MONOHYDRATE</p> <p>[54] SOLUTIONS AQUEUSES CONCENTREES DE MONOHYDRATE DE CHLORHYDRATE D'ALUMINIUM</p> <p>[72] DULKO, JAMES M., US</p> <p>[72] WONDER, BRUCE, US</p> <p>[71] USALCO, LLC, US</p> <p>[85] 2019-11-04</p> <p>[86] 2018-05-11 (PCT/US2018/032276)</p> <p>[87] (WO2018/209204)</p> <p>[30] US (62/505,724) 2017-05-12</p> <p>[30] US (62/550,303) 2017-08-25</p>
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<p>[21] <b>3,062,429</b> [13] A1</p> <p>[51] Int.Cl. H03M 13/13 (2006.01) H03M 13/00 (2006.01) H04L 1/00 (2006.01) H04L 5/00 (2006.01)</p> <p>[25] EN</p> <p>[54] SYNCHRONIZATION SIGNAL FOR A BROADCAST CHANNEL</p> <p>[54] SIGNAL DE SYNCHRONISATION POUR UN CANAL DE DIFFUSION</p> <p>[72] SADIQ, BILAL, US</p> <p>[72] CEZANNE, JUERGEN, US</p> <p>[72] KUDEKAR, SHRINIVAS, US</p> <p>[72] ABEDINI, NAVID, US</p> <p>[72] ISLAM, MUHAMMAD NAZMUL, US</p> <p>[71] QUALCOMM INCORPORATED, US</p> <p>[85] 2019-11-04</p> <p>[86] 2018-04-27 (PCT/US2018/029910)</p> <p>[87] (WO2018/231348)</p> <p>[30] US (62/518,589) 2017-06-12</p> <p>[30] US (15/926,884) 2018-03-20</p>
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<p>[21] <b>3,062,430</b> [13] A1</p> <p>[51] Int.Cl. A61K 39/395 (2006.01) A61P 1/00 (2006.01) A61P 37/00 (2006.01) C07K 16/28 (2006.01)</p> <p>[25] EN</p> <p>[54] METHODS AND COMPOSITIONS FOR TREATING INFLAMMATORY GASTROINTESTINAL DISORDERS</p> <p>[54] METHODES ET COMPOSITIONS POUR LE TRAITEMENT DE TROUBLES GASTRO-INTESTINAUX INFLAMMATOIRES</p> <p>[72] BEBBINGTON, CHRISTOPHER ROBERT, US</p> <p>[72] YOUNGBLOOD, BRADFORD ANDREW, US</p> <p>[72] TOMASEVIC, NENAD, US</p> <p>[72] BROCK, EMILY C., US</p> <p>[71] ALLAKOS INC., US</p> <p>[85] 2019-11-04</p> <p>[86] 2018-05-04 (PCT/US2018/031231)</p> <p>[87] (WO2018/204871)</p> <p>[30] US (62/502,480) 2017-05-05</p> <p>[30] US (62/572,337) 2017-10-13</p>
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<p>[21] <b>3,062,431</b> [13] A1</p> <p>[51] Int.Cl. G01N 33/542 (2006.01) C07K 14/00 (2006.01) G01N 33/84 (2006.01)</p> <p>[25] EN</p> <p>[54] GENETICALLY ENCODED POTASSIUM ION INDICATORS</p> <p>[54] INDICATEURS D'IONS POTASSIUM GENETIQUEMENT CODES</p> <p>[72] EROGLU, EMRAH, AT</p> <p>[72] BISCHOF, HELMUT, AT</p> <p>[72] GRAIER, WOLFGANG, AT</p> <p>[72] MALLI, ROLAND, AT</p> <p>[72] WALDECK-WEIERMAIR, MARKUS, AT</p> <p>[71] MEDIZINISCHE UNIVERSITAT GRAZ, AT</p> <p>[85] 2019-11-04</p> <p>[86] 2018-05-09 (PCT/EP2018/061972)</p> <p>[87] (WO2018/206625)</p> <p>[30] AT (A50400/2017) 2017-05-11</p>
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<p>[21] <b>3,062,432</b> [13] A1</p> <p>[51] Int.Cl. A61K 8/66 (2006.01) A61K 8/64 (2006.01) A61Q 5/00 (2006.01) A61Q 15/00 (2006.01) A61Q 19/00 (2006.01)</p> <p>[25] EN</p> <p>[54] COSMETIC COMPOSITIONS FOR SKIN HEALTH AND METHODS OF USING SAME</p> <p>[54] COMPOSITIONS COSMETIQUES POUR LA SANTE DE LA PEAU ET LEURS PROCEDES D'UTILISATION</p> <p>[72] FARMER, SEAN, US</p> <p>[72] ALIBEK, KEN, US</p> <p>[72] MAZUMDER, SHARMISTHA, US</p> <p>[71] LOCUS IP COMPANY, LLC, US</p> <p>[85] 2019-11-04</p> <p>[86] 2018-04-30 (PCT/US2018/030229)</p> <p>[87] (WO2018/208530)</p> <p>[30] US (62/502,714) 2017-05-07</p> <p>[30] US (62/537,057) 2017-07-26</p>
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[21] 3,062,433  
[13] A1

[51] Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 35/00 (2006.01)  
[25] EN  
[54] BICISTRONIC CHIMERIC ANTIGEN RECEPTORS AND THEIR USES  
[54] RECEPTEURS D'ANTIGENES CHIMERIQUES BICISTRONIQUES ET LEURS UTILISATIONS  
[72] QIN, HAIYING, US  
[72] MACKALL, CRYSTAL L., US  
[72] FRY, TERRY J., US  
[71] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMT OF HEALTH AND HUMAN SERVICES, US  
[85] 2019-11-04  
[86] 2018-05-15 (PCT/US2018/032809)  
[87] (WO2018/213337)  
[30] US (62/506,268) 2017-05-15

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[21] 3,062,435  
[13] A1

[51] Int.Cl. G01N 33/543 (2006.01)  
[25] EN  
[54] METHOD FOR DETERMINATION OF MEMBERS OF THE S100 FAMILY OF CALCIUM BINDING PROTEINS BY IMMUNOTURBIDIMETRY  
[54] PROCEDE DE DETERMINATION DE MEMBRE DE LA FAMILLE S100 DE PROTEINES LIANT LE CALCIUM PAR IMMUNOTURBIDIMETRIE  
[72] ARMBRUSTER, FRANZ-PAUL, DE  
[72] GRIMMLER, MATTHIAS, DE  
[72] SCHU, PIA, DE  
[72] BECKER, TOBIAS, DE  
[72] WALZER, FELIX, DE  
[71] IMMUNDIAGNOSTIK AG, DE  
[71] DIASYS DIAGNOSTIC SYSTEMS GMBH, DE  
[85] 2019-11-04  
[86] 2018-05-09 (PCT/EP2018/062159)  
[87] (WO2018/206737)  
[30] EP (17170291.3) 2017-05-09

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[21] 3,062,436  
[13] A1

[51] Int.Cl. B03D 1/00 (2006.01) B03D 1/004 (2006.01) C12N 1/20 (2006.01)  
[25] EN  
[54] MINERAL BENEFICIATION METHOD USING BIOREAGENT EXTRACTED FROM GRAM POSITIVE BACTERIA  
[54] PROCEDE DE FLOTTATION DE MINERAUX FAISANT INTERVENIR UN BIOREACTIF EXTRAIT DE BACTERIES GRAM POSITIVES  
[72] TOREM, MAURICIO LEONARDO, BR  
[72] PUELLES, JHONATAN GERARDO SOTO, PE  
[72] MERMA, ANTONIO GUTIERREZ, BR  
[72] OLIVERA, CARLOS ALBERTO CASTANEDA, BR  
[72] DO ROSARIO, LISA MARINHO, BR  
[72] SILVAS, FLAVIA PAULUCCI CIANGA, BR  
[71] VALE S.A., BR  
[85] 2019-11-05  
[86] 2018-05-16 (PCT/BR2018/050158)  
[87] (WO2018/209416)  
[30] US (62/507,028) 2017-05-16

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[21] 3,062,438  
[13] A1

[51] Int.Cl. C07F 1/08 (2006.01) C09K 11/06 (2006.01) C09K 11/61 (2006.01) H01L 51/54 (2006.01)  
[25] EN  
[54] LUMINESCENT AND DISPERSIBLE HYBRID MATERIALS COMBINING IONIC AND COORDINATE BONDS IN MOLECULAR CRYSTALS  
[54] MATERIAUX HYBRIDES LUMINESCENTS ET DISPERSIBLES COMBINANT DES LIAISONS IONIQUES ET DES LIAISONS DE COORDINATION DANS DES CRISTAUX MOLECULAIRES  
[72] LI, JING, US  
[72] LIU, WEI, US  
[72] ZHU, KUN, US  
[71] RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY, US  
[85] 2019-11-04  
[86] 2018-05-02 (PCT/US2018/030596)  
[87] (WO2018/204461)  
[30] US (62/501,517) 2017-05-04

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[21] 3,062,439  
[13] A1

[51] Int.Cl. G01N 33/50 (2006.01) A61K 47/66 (2017.01) A61K 49/00 (2006.01) A61K 51/08 (2006.01) A61P 35/00 (2006.01)  
[25] EN  
[54] MODULAR SELF ASSEMBLY DISASSEMBLY (SADA) TECHNOLOGIES  
[54] TECHNOLOGIES D'AUTO-ASSEMBLAGE/DESASSEMBLAGE MODULAIRE (SADA)  
[72] SANTICH, BRIAN H., US  
[72] AHMED, MAHIUDDIN, US  
[72] CHEUNG, NAI-KONG V., US  
[71] MEMORIAL SLOAN KETTERING CANCER CENTER, US  
[85] 2019-11-04  
[86] 2018-05-04 (PCT/US2018/031235)  
[87] (WO2018/204873)  
[30] US (62/502,151) 2017-05-05

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[21] 3,062,441  
[13] A1

[51] Int.Cl. C25B 1/00 (2006.01) C25B 1/04 (2006.01)  
[25] EN  
[54] A METHOD FOR GENERATING SYNGAS FOR USE IN HYDROFORMYLATION PLANTS  
[54] PROCEDE DE GENERATION DE GAZ DE SYNTHESE DESTINE A ETRE UTILISE DANS DES USINES D'HYDROFORMYLATION  
[72] SCHJODT, NIELS CHRISTIAN, DK  
[72] HINNEMANN, BERIT, DK  
[72] KUNGAS, RAINER, DK  
[72] BLENNOW, BENGT PETER GUSTAV, DK  
[71] HALDOR TOPSOE A/S, DK  
[85] 2019-11-05  
[86] 2018-04-16 (PCT/EP2018/059657)  
[87] (WO2018/206235)  
[30] DK (PA 2017 00298) 2017-05-11  
[30] DK (PA 2017 00418) 2017-07-18

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[21] **3,062,442**  
[13] A1

[51] Int.Cl. G06Q 50/28 (2012.01) G06Q 10/08 (2012.01) G06Q 50/02 (2012.01) G06Q 50/10 (2012.01)

[25] EN

[54] **TAGGED CONTAINER TRACKING**

[54] **SUIVI DE RECIPIENT ETIQUETTE**

[72] WINTEMUTE, ERIC G., US

[72] RICE, RICHARD L., US

[72] JAMES, KENT, US

[72] RICHARDSON, JOHN J., US

[71] AMVAC C.V., US

[85] 2019-11-04

[86] 2018-05-16 (PCT/US2018/032941)

[87] (WO2018/213428)

[30] US (62/508,145) 2017-05-18

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[21] **3,062,444**  
[13] A1

[51] Int.Cl. C08G 18/10 (2006.01) C08G 59/02 (2006.01)

[25] EN

[54] **METHODS FOR MAKING FUNCTIONALIZED FLUORINATED MONOMERS, FLUORINATED MONOMERS, AND COMPOSITIONS FOR MAKING THE SAME**

[54] **PROCEDES DE PREPARATION DE MONOMERES FLUORES FONCTIONNALISES, MONOMERES FLUORES ET COMPOSITIONS POUR LES PREPARER**

[72] GREUEL, MICHAEL P., US

[71] ETNA-TEC, LTD, US

[85] 2019-11-04

[86] 2018-05-21 (PCT/US2018/033753)

[87] (WO2018/213850)

[30] US (62/508,835) 2017-05-19

[30] US (62/560,641) 2017-09-19

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[21] **3,062,445**  
[13] A1

[51] Int.Cl. F16H 55/08 (2006.01) F16H 1/20 (2006.01) F16H 55/18 (2006.01) H01F 5/00 (2006.01) H02K 7/16 (2006.01)

[25] EN

[54] **ACTUATOR WITH SPEED REDUCER**

[54] **ACTIONNEUR A REDUCTEUR DE VITESSE**

[72] KLASSEN, JAMES BRENT, CA

[71] GENESIS ROBOTICS AND MOTION TECHNOLOGIES CANADA, ULC, CA

[85] 2019-11-05

[86] 2018-05-31 (PCT/CA2018/050646)

[87] (WO2018/218363)

[30] US (62/513,431) 2017-05-31

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[21] **3,062,446**  
[13] A1

[51] Int.Cl. A61L 27/18 (2006.01) A61L 27/38 (2006.01) A61L 27/54 (2006.01) A61L 27/56 (2006.01) A61L 27/58 (2006.01)

[25] EN

[54] **POST-3D PRINTING FUNCTIONALIZATION OF POLYMER SCAFFOLDS FOR ENHANCED BIOACTIVITY**

[54] **FONCTIONNALISATION D'IMPRESSION POST-3D D'ECHAFAUDAGES POLYMERES DESTINES A UNE BIOACTIVITE AMELIOREE**

[72] BECKER, MATTHEW, US

[72] XU, YANYI, US

[71] THE UNIVERSITY OF AKRON, US

[85] 2019-11-04

[86] 2018-05-03 (PCT/US2018/030845)

[87] (WO2018/204611)

[30] US (62/500,777) 2017-05-03

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[13] A1

[51] Int.Cl. F16M 13/00 (2006.01) A45F 3/44 (2006.01) A47G 7/00 (2006.01) A47G 29/00 (2006.01)

[25] EN

[54] **STANDING HOOK**

[54] **CROCHET VERTICAL**

[72] LAWSON, CRAIG, CA

[71] PEAK INNOVATIONS INC., CA

[85] 2019-11-05

[86] 2018-05-09 (PCT/CA2018/000092)

[87] (WO2018/205011)

[30] US (62/503,607) 2017-05-09

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[21] **3,062,448**  
[13] A1

[51] Int.Cl. C11D 3/39 (2006.01) C11D 3/50 (2006.01) C11D 17/04 (2006.01)

[25] EN

[54] **MULTI COMPOSITION SYSTEMS COMPRISING A BLEACHING AGENT AND ENCAPSULATES**

[54] **SYSTEMES MULTI-COMPOSITIONS COMPRENANT UN AGENT DE BLANCHIMENT ET DES PRODUITS ENCAPSULES**

[72] BECKHOLT, DENNIS ALLEN, US

[72] CHAWLA, NALINI, US

[72] TREMBLAY, MARIO ELMEN, US

[72] OMNITZ, JEFFREY FRANK, US

[72] SONG, XINBEI, US

[71] THE PROCTER & GAMBLE COMPANY, US

[85] 2019-11-04

[86] 2018-06-18 (PCT/US2018/037980)

[87] (WO2018/236700)

[30] US (62/522,129) 2017-06-20

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[21] **3,062,449**  
[13] A1

[51] Int.Cl. B01J 8/38 (2006.01) B01J 8/00 (2006.01) B01J 8/14 (2006.01) B01J 8/36 (2006.01)

[25] EN

[54] **DEVICE FOR TREATING PARTICLES IN A ROTATING FLUIDIZED BED**

[54] **DISPOSITIF DE TRAITEMENT DE PARTICULES DANS UN LIT FLUIDISE ROTATIF**

[72] DE BROQUEVILLE , AXEL, BE

[72] DE WILDE, JURAY, BE

[72] TOURNEUR, THOMAS, BE

[71] UNIVERSITE CATHOLIQUE DE LOUVIN, BE

[85] 2019-10-30

[86] 2018-05-01 (PCT/NL2018/050284)

[87] (WO2018/203745)

[30] EP (17168898.9) 2017-05-01

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[21] 3,062,450  
[13] A1

- [51] Int.Cl. C12N 7/00 (2006.01)
  - [25] EN
  - [54] IMPROVED LENTIVIRUSES FOR TRANSDUCTION OF HEMATOPOIETIC STEM CELLS
  - [54] LENTIVIRUS AMELIORES POUR LA TRANSDUCTION DE CELLULES SOUCHES HEMATOPOIETIQUES
  - [72] LOCHRIE, MICHAEL, US
  - [72] YONEMOTO, WES, US
  - [72] ANKALA, RAMYA, US
  - [72] LUNA, JAC MICHAEL, US
  - [71] BIOMARIN PHARMACEUTICAL INC., US
  - [85] 2019-11-04
  - [86] 2018-05-03 (PCT/US2018/030956)
  - [87] (WO2018/204694)
  - [30] US (62/500,874) 2017-05-03
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[21] 3,062,451  
[13] A1

- [51] Int.Cl. F16D 65/14 (2006.01) F16D 27/01 (2006.01) F16D 27/102 (2006.01) F16D 27/112 (2006.01) F16D 27/14 (2006.01) F16D 63/00 (2006.01) F16D 67/06 (2006.01)
- [25] EN
- [54] MAGNETICALLY ACTUATED BRAKE
- [54] FREIN A ACTIONNEMENT MAGNETIQUE
- [72] KLASSEN, JAMES BRENT, CA
- [72] SPASOV, DAMIAN, CA
- [72] ESTERER, CHRISTOPHER, CA
- [71] GENESIS ROBOTICS AND MOTION TECHNOLOGIES CANADA, ULC, CA
- [85] 2019-11-05
- [86] 2018-05-31 (PCT/CA2018/050651)
- [87] (WO2018/218367)
- [30] US (62/514,003) 2017-06-01
- [30] US (62/599,685) 2017-12-15

[21] 3,062,452  
[13] A1

- [51] Int.Cl. A61K 31/135 (2006.01) A61K 31/138 (2006.01) A61K 31/215 (2006.01) A61K 31/485 (2006.01) A61P 25/00 (2006.01)
  - [25] EN
  - [54] TARGETED DRUG RESCUE WITH NOVEL COMPOSITIONS, COMBINATIONS, AND METHODS THEREOF
  - [54] TARGETED DRUG RESCUE AVEC DE NOUVELLES COMPOSITIONS, ASSOCIATIONS ET PROCEDES CORRESPONDANTS
  - [72] VEPACHEDU, SREENIVASARAO, US
  - [72] MOEBIUS, HANS J., CH
  - [72] BESPALOV, ANTON, DE
  - [71] EXCIVA GMBH, DE
  - [71] VEPACHEDU, SREENIVASARAO, US
  - [85] 2019-11-04
  - [86] 2018-05-03 (PCT/US2018/030978)
  - [87] (WO2018/204713)
  - [30] US (62/501,696) 2017-05-04
  - [30] US (PCT/US2017/048748) 2017-08-25
  - [30] TW (106129169) 2017-08-28
  - [30] US (62/634,162) 2018-02-22
  - [30] US (62/635,554) 2018-02-27
  - [30] US (62/636,099) 2018-02-27
  - [30] US (62/636,171) 2018-02-28
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[13] A1

- [51] Int.Cl. G01P 13/00 (2006.01) G01M 99/00 (2011.01) E21B 47/001 (2012.01) E21B 7/12 (2006.01) E21B 43/01 (2006.01) G01H 9/00 (2006.01) G01H 17/00 (2006.01) G01K 11/00 (2006.01) G01M 3/00 (2006.01) G01M 3/38 (2006.01)
- [25] EN
- [54] SYSTEMS AND METHODS FOR MONITORING UNDERWATER STRUCTURES
- [54] SYSTEMES ET PROCEDES POUR SURVEILLER DES STRUCTURES SOUS-MARINES
- [72] EMBRY, CARL W., US
- [72] HARDY, MARK, US
- [72] NICKERSON, BRETT, US
- [72] MANNING, NEIL, US
- [71] 3D AT DEPTH, INC., US
- [85] 2019-11-04
- [86] 2018-05-04 (PCT/US2018/031021)
- [87] (WO2018/204742)
- [30] US (62/501,487) 2017-05-04

[21] 3,062,454  
[13] A1

- [51] Int.Cl. A61H 3/00 (2006.01)
  - [25] EN
  - [54] FOLDABLE WALKER
  - [54] DEAMBULATEUR PLIABLE
  - [72] MASS, PAIGE, US
  - [72] SHAH, NIRJA, US
  - [72] AGRAWAL, VASUNDHARA, US
  - [72] TONG, YIXUAN, US
  - [71] MEDLINE INDUSTRIES, INC., US
  - [85] 2019-11-04
  - [86] 2018-05-04 (PCT/US2018/031036)
  - [87] (WO2018/213021)
  - [30] US (62/508,813) 2017-05-19
  - [30] US (62/516,814) 2017-06-08
  - [30] US (62/518,957) 2017-06-13
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[21] 3,062,455  
[13] A1

- [51] Int.Cl. A61K 31/498 (2006.01) A61F 9/00 (2006.01) A61K 9/00 (2006.01) A61K 9/50 (2006.01) A61K 47/34 (2017.01) A61P 27/02 (2006.01)
- [25] EN
- [54] BRIMONIDINE FOR USE AND CLINICAL TRIAL DESIGN FOR GEOGRAPHIC ATROPHY DUE TO AGE-RELATED MACULAR DEGENERATION
- [54] BRIMONIDINE DESTINEE A ETRE UTILISEE ET CONCEPTION D'ESSAI CLINIQUE POUR UNE ATROPHIE GEOGRAPHIQUE DUE A UNE DEGENERESCENCE MACULAIRE LIEE A L'AGE
- [72] KERR, KEVIN, US
- [72] LOPEZ, FRANCISCO, US
- [71] ALLERGAN, INC., US
- [85] 2019-11-04
- [86] 2018-05-04 (PCT/US2018/031048)
- [87] (WO2018/204759)
- [30] US (62/502,375) 2017-05-05

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[21] **3,062,456**

[13] A1

- [51] Int.Cl. C08J 5/04 (2006.01) C08G 63/183 (2006.01) C08G 63/672 (2006.01)  
 [25] FR  
**THERMOPLASTIC COMPOSITE**  
**COMPOSITE**  
**THERMOPLASTIQUE**  
 [72] AMEDRO, HELENE, FR  
 [72] CORPART, JEAN-MARC, FR  
 [72] JACQUEL, NICOLAS, FR  
 [72] SAINT-Loup, RENE, FR  
 [71] ROQUETTE FRERES, FR  
 [85] 2019-11-04  
 [86] 2018-05-07 (PCT/EP2018/061723)  
 [87] (WO2018/202917)  
 [30] FR (17 54004) 2017-05-05
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[21] **3,062,457**

[13] A1

- [51] Int.Cl. B60K 7/00 (2006.01) B60B 9/18 (2006.01) H02K 7/00 (2006.01)  
 [25] EN  
**ACTIVE SERIES HYBRID INTEGRATED ELECTRIC VEHICLE**  
**VEHICULE ELECTRIQUE INTEGRE HYBRIDE EN SERIE ACTIF**  
 [72] SIGMAR, AXEL MICHAEL, US  
 [71] SIGMAR, AXEL MICHAEL, US  
 [85] 2019-11-04  
 [86] 2017-12-30 (PCT/US2017/069163)  
 [87] (WO2018/126243)  
 [30] US (62/440,984) 2016-12-30
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[13] A1

- [51] Int.Cl. A63B 23/04 (2006.01) A63B 22/02 (2006.01) A63B 23/08 (2006.01) A63B 23/10 (2006.01)  
 [25] EN  
**PHYSICAL THERAPY APPARATUS AND METHOD OF USE**  
**APPAREIL DE PHYSIOTHERAPIE ET PROCEDE D'UTILISATION**  
 [72] TARAS, BRADFORD, US  
 [72] JAYAKUMAR, UDAI, US  
 [71] SUREFOOTED LLC, US  
 [85] 2019-11-04  
 [86] 2018-05-04 (PCT/US2018/031118)  
 [87] (WO2018/204804)  
 [30] US (62/501,886) 2017-05-05
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[21] **3,062,459**

[13] A1

- [51] Int.Cl. G08B 13/196 (2006.01) G08B 25/01 (2006.01)  
 [25] EN  
**SYSTEM AND METHOD FOR THREAT MONITORING, DETECTION, AND RESPONSE**  
**SYSTEME ET PROCEDE DE SURVEILLANCE ET DETECTION DE MENACE ET DE REPONSE AUX MENACES**  
 [72] KEMPEL, DORON, US  
 [72] ASHER, RON, IL  
 [71] TG-17, LLC, US  
 [85] 2019-11-04  
 [86] 2018-05-04 (PCT/US2018/031121)  
 [87] (WO2018/204807)  
 [30] US (62/501,881) 2017-05-05  
 [30] US (62/516,407) 2017-06-07  
 [30] US (62/543,490) 2017-08-10  
 [30] US (15/956,456) 2018-04-18
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[21] **3,062,465**

[13] A1

- [51] Int.Cl. G06F 11/36 (2006.01)  
 [25] EN  
**METHOD FOR A COMPUTER-AIDED AUTOMATED VERIFICATION OF REQUIREMENTS**  
**PROCEDE POUR LE CONTROLE AUTOMATISE ASSISTE PAR ORDINATEUR DE DESCRIPTIONS**  
 [72] SCHILLING, GERHARD, DE  
 [71] SCHILLING, GERHARD, DE  
 [85] 2019-11-05  
 [86] 2018-05-08 (PCT/EP2018/000246)  
 [87] (WO2018/206146)  
 [30] DE (10 2017 004 348.5) 2017-05-08
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[21] **3,062,468**

[13] A1

- [51] Int.Cl. H02K 11/21 (2016.01) H02P 6/10 (2016.01)  
 [25] EN  
**ADAPTIVE POLYPHASE MOTOR**  
**MOTEUR POLYPHASE ADAPTATIF**  
 [72] SIGMAR, AXEL MICHAEL, US  
 [71] SIGMAR, AXEL MICHAEL, US  
 [85] 2019-11-04  
 [86] 2017-12-30 (PCT/US2017/069165)  
 [87] (WO2018/126245)  
 [30] US (62/440,984) 2016-12-30
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[13] A1

- [51] Int.Cl. C03C 17/23 (2006.01) G02B 1/116 (2015.01) C03C 17/34 (2006.01) C03C 17/36 (2006.01)  
 [25] EN  
**PANE HAVING AN ELECTRICALLY CONDUCTIVE COATING, WITH REDUCED VISIBILITY OF FINGERPRINTS**  
**DISQUE PRESENTANT UN REVETEMENT ELECTROCONDUCTEUR ET UNE VISIBILITE REDUITE DES TRACES DE DOIGTS**  
 [72] HAGEN, JAN, DE  
 [72] LINGNER, JULIAN, DE  
 [72] RUFF, JULIE, DE  
 [72] BESLER, ROBERT, DE  
 [72] MANZ, FLORIAN, DE  
 [71] SAINT-GOBAIN GLASS FRANCE, FR  
 [85] 2019-11-05  
 [86] 2018-04-16 (PCT/EP2018/059658)  
 [87] (WO2018/206236)  
 [30] EP (17170130.3) 2017-05-09
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[13] A1

- [51] Int.Cl. H02J 3/38 (2006.01) H02J 3/48 (2006.01) H02J 3/50 (2006.01) H02M 5/451 (2006.01) H02J 3/36 (2006.01) H02M 1/00 (2007.10)  
 [25] EN  
**METHOD FOR OPERATING A WIND FARM**  
**PROCEDE DE FONCTIONNEMENT D'UN PARC EOLIEN**  
 [72] BROMBACH, JOHANNES, DE  
 [72] MACKENSEN, INGO, DE  
 [72] BUSKER, KAI, DE  
 [71] WOBBEN PROPERTIES GMBH, DE  
 [85] 2019-11-05  
 [86] 2018-06-07 (PCT/EP2018/065031)  
 [87] (WO2018/224596)  
 [30] DE (10 2017 112 491.8) 2017-06-07

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[51] Int.Cl. C12Q 1/68 (2018.01)
[25] EN
[54] RECOMBINANT MODIFIED FIBROBLAST GROWTH FACTORS AND THERAPEUTIC USES THEREOF
[54] FACTEURS DE CROISSANCE FIBROBLASTIQUE MODIFIES RECOMBINES ET LEURS UTILISATIONS THERAPEUTIQUES
[72] EVELETH, DAVID, US
[72] JENKINS-EVELETH, JENNIFER, US
[72] SUBRAMANIAM, AMUTHAKANNAN, US
[72] BRADSHAW, RALPH, US
[71] TREFOIL THERAPEUTICS, INC., US
[85] 2019-11-04
[86] 2018-05-04 (PCT/US2018/031189)
[87] (WO2018/204847)
[30] US (62/502,540) 2017-05-05
[30] US (62/584,624) 2017-11-10
[30] US (62/502,529) 2017-05-05

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[21] 3,062,475 [13] A1
[51] Int.Cl. C12N 15/82 (2006.01) A01H 1/00 (2006.01)
[25] EN
[54] METHODS FOR ISOLATING CELLS WITHOUT THE USE OF TRANSGENIC MARKER SEQUENCES
[54] PROCEDES POUR ISOLER DES CELLULES SANS UTILISER DE SEQUENCES DE MARQUEURS TRANSGENIQUES
[72] GAO, CAIXIA, CN
[72] ZHANG, RUI, CN
[72] LIU, JINXING, CN
[72] HUMMEL, AARON, US
[72] VAGHCHHIPAWALA, ZARIR, US
[72] LABS, MATHIAS, US
[71] INSTITUTE OF GENETICS AND DEVELOPMENTAL BIOLOGY, CHINESE ACADEMY OF SCIENCES, CN
[85] 2019-11-05
[86] 2018-05-07 (PCT/CN2018/085829)
[87] (WO2018/202199)
[30] US (62/502,418) 2017-05-05
[30] CN (201710778196.0) 2017-09-01

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[21] 3,062,477 [13] A1
[51] Int.Cl. G06T 7/00 (2017.01)
[25] EN
[54] CREATION OF A DECISION SUPPORT MATERIAL INDICATING DAMAGE TO AN ANATOMICAL JOINT
[54] CREATION D'UN MATERIAU D'AIDE A LA DECISION INDIQUANT UNE LESION D'UNE ARTICULATION ANATOMIQUE
[72] LILLIESTRALE, RICHARD, SE
[72] KARLSSON, ANDERS, SE
[72] SPANGBERG, JEANETTE, SE
[72] BAKE, NINA, SE
[72] BRATT, INGRID, SE
[71] EPISURF IP-MANAGEMENT AB, SE
[85] 2019-11-05
[86] 2018-06-15 (PCT/EP2018/066012)
[87] (WO2018/229275)
[30] EP (17176394.9) 2017-06-16

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[21] 3,062,480 [13] A1
[51] Int.Cl. G21C 1/20 (2006.01)
[25] EN
[54] GAS-COOLED PRESSURE TUBE REACTOR
[54] REACTEUR A TUBES DE FORCE REFROIDI AU GAZ
[72] CHEATHAM, JESSE R., III, US
[72] COHEN, MICHAEL E., US
[72] JOHNSON, BRIAN C., US
[72] PETROSKI, ROBERT C., US
[72] TOURAN, NICHOLAS W., US
[72] TRUONG, BAO H., US
[71] TERRAPOWER, LLC, US
[85] 2019-11-04
[86] 2018-05-04 (PCT/US2018/031208)
[87] (WO2018/204857)
[30] US (62/501,833) 2017-05-05

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[21] 3,062,481 [13] A1
[51] Int.Cl. B25B 23/08 (2006.01) B25B 15/00 (2006.01) B25B 21/00 (2006.01) B25B 23/02 (2006.01) E04D 15/00 (2006.01)
[25] EN
[54] FLUSH POSITION INDICATOR FOR FASTENER INSTALLATION TOOL FOR ROOF TRUSS FRAMING AND CONSTRUCTION SYSTEM
[54] INDICATEUR DE POSITION D'ALIGNEMENT POUR OUTIL D'INSTALLATION D'ELEMENT DE FIXATION DESTINE A UNE OSSATURE DE FERME ET SYSTEME DE CONSTRUCTION
[72] DICAIRO, MARK A., US
[72] IRWIN, R. TIMOTHY, US
[72] GILLIS, TIMOTHY F., US
[72] GUTHRIE, MARK J., US
[72] CANUP, KENNETH D., US
[72] FITZGERALD, CHRISTOPHER F., US
[71] OMG, INC., US
[85] 2019-11-04
[86] 2018-07-25 (PCT/US2018/043660)
[87] (WO2019/023329)
[30] US (15/660,280) 2017-07-26

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[13] A1

[51] Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61P 25/02 (2006.01) C07K 7/08 (2006.01)

[25] EN

[54] NAV1.9 TARGET POLYPEPTIDE, ANTIBODY AND ANTIBODY FRAGMENT COMBINED WITH SAME, AND RELATED PHARMACEUTICAL COMPOSITION

[54] POLYPEPTIDE CIBLE NAV1.9, ANTICORPS ET FRAGMENT D'ANTICORPS COMBINES A CELUI-CI, ET COMPOSITION PHARMACEUTIQUE ASSOCIEE

[72] YANG, DAICHANG, CN

[71] WUHAN UNIVERSITY, CN

[85] 2019-11-05

[86] 2018-02-07 (PCT/CN2018/075597)

[87] (WO2018/157710)

[30] CN (201710124693.9) 2017-03-03

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[21] **3,062,484**

[13] A1

[51] Int.Cl. A01D 34/00 (2006.01) A01G 3/06 (2006.01)

[25] EN

[54] COUPLER FOR SPLIT-BOOM POWER TOOL

[54] COUPLEUR POUR OUTIL ELECTRIQUE A FLECHE DIVISEE

[72] HOFFMAN, RONALD J., US

[71] TTI (MACAO COMMERCIAL OFFSHORE) LIMITED, CN

[85] 2019-11-04

[86] 2019-03-01 (PCT/US2019/020333)

[87] (WO2019/169286)

[30] US (62/637,167) 2018-03-01

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[21] **3,062,486**

[13] A1

[51] Int.Cl. C07K 16/18 (2006.01) A61K 39/395 (2006.01) A61P 25/02 (2006.01)

[25] EN

[54] NAV1.9 TARGET POLYPEPTIDE, ANTIBODY AND ANTIBODY FRAGMENT COMBINED WITH SAME, AND RELATED PHARMACEUTICAL COMPOSITION

[54] POLYPEPTIDE CIBLE DE NAV1.9, ANTICORPS ET FRAGMENT D'ANTICORPS COMBINES A CELUI-CI, ET COMPOSITION PHARMACEUTIQUE ASSOCIEE

[72] YANG, DAICHANG, CN

[71] WUHAN UNIVERSITY, CN

[85] 2019-11-05

[86] 2018-02-07 (PCT/CN2018/075603)

[87] (WO2018/153262)

[30] CN (201710093290.2) 2017-02-21

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[21] **3,062,487**

[13] A1

[51] Int.Cl. A61K 39/395 (2006.01) A61P 35/00 (2006.01)

[25] EN

[54] PD-L1 ANTIBODY PHARMACEUTICAL COMPOSITION AND USE THEREOF

[54] COMPOSITION PHARMACEUTIQUE A BASE D'ANTICORPS ANTI-PD-L1 ET SON UTILISATION

[72] YAN, ZHEN, CN

[72] YANG, JIANJIAN, CN

[72] YAN, XIAODAN, CN

[72] WU, SHAN, CN

[72] LIU, XUN, CN

[71] JIANGSU HENGRI MEDICINE CO., LTD., CN

[71] SHANGHAI HENGRI PHARMACEUTICAL CO., LTD., CN

[85] 2019-11-05

[86] 2018-05-15 (PCT/CN2018/086866)

[87] (WO2018/210230)

[30] CN (201710341680.7) 2017-05-16

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[21] **3,062,488**

[13] A1

[51] Int.Cl. H04W 28/06 (2009.01)

[25] EN

[54] DATA TRANSMISSION METHOD, APPARATUS, AND SYSTEM, AND DEVICE

[54] PROCEDE, DISPOSITIF, EQUIPEMENT ET SYSTEME DE TRANSMISSION DE DONNEES

[72] XU, BIN, CN

[72] CAO, ZHENZHEN, CN

[72] LI, BINGZHAO, CN

[72] WANG, XUELONG, CN

[71] HUAWEI TECHNOLOGIES CO., LTD., CN

[85] 2019-11-05

[86] 2018-05-04 (PCT/CN2018/085530)

[87] (WO2018/202110)

[30] CN (201710314173.4) 2017-05-05

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[13] A1

[51] Int.Cl. B65G 65/40 (2006.01) B65D 88/26 (2006.01) B65G 3/04 (2006.01)

[25] EN

[54] DISPENSING APPARATUS FOR PACKAGING A MATERIAL

[54] APPAREIL DE DISTRIBUTION DESTINE A L'EMBALLAGE D'UN MATERIAU

[72] TERVONEN, JARKKO, FI

[72] UURTOMIES, TERJE, FI

[71] VUMOS OY, FI

[85] 2019-11-05

[86] 2018-05-30 (PCT/FI2018/050410)

[87] (WO2018/220279)

[30] FI (20175494) 2017-06-01

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- [51] Int.Cl. H04W 28/16 (2009.01)
  - [25] EN
  - [54] COMMUNICATION METHOD, BASE STATION, AND TERMINAL DEVICE
  - [54] PROCEDE DE COMMUNICATION, STATION DE BASE ET DISPOSITIF TERMINAL
  - [72] DAI, MINGZENG, CN
  - [72] OLOFSSON, HENRIK, CN
  - [72] ZHANG, HONGZHUO, CN
  - [72] YANG, XUDONG, CN
  - [72] ZENG, QINGHAI, CN
  - [71] HUAWEI TECHNOLOGIES CO., LTD., CN
  - [85] 2019-11-05
  - [86] 2018-05-04 (PCT/CN2018/085605)
  - [87] (WO2018/202129)
  - [30] CN (201710314208.4) 2017-05-05
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[13] A1

- [51] Int.Cl. C07D 471/04 (2006.01) A61K 31/55 (2006.01) A61P 31/20 (2006.01)
- [25] EN
- [54] HEPATITIS B VIRUS SURFACE ANTIGEN INHIBITOR
- [54] INHIBITEUR D'ANTIGENE DE SURFACE DU VIRUS DE L'HEPATITE B
- [72] DING, CHARLES Z., CN
- [72] SUN, FEI, CN
- [72] HU, YANBIN, CN
- [72] CHEN, SHUHUI, CN
- [71] FUJIAN COSUNTER PHARMACEUTICAL CO., LTD., CN
- [71] MEDSHINE DISCOVERY INC., CN
- [85] 2019-11-05
- [86] 2018-05-22 (PCT/CN2018/087852)
- [87] (WO2018/214875)
- [30] CN (201710365328.7) 2017-05-22

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**[21] 3,062,501**  
[13] A1

- [51] Int.Cl. B60K 35/00 (2006.01) G02B 27/01 (2006.01)
  - [25] EN
  - [54] HUD SYSTEM AND METHOD FOR HUD IMAGE GENERATION
  - [54] SYSTEME HUD ET PROCEDE SERVANT A GENERER DES IMAGES HUD
  - [72] CAPPUCCILLI, MICHELE, DE
  - [72] ARNDT, MARTIN, DE
  - [71] SAINT-GOBAIN GLASS FRANCE, FR
  - [85] 2019-11-05
  - [86] 2018-04-27 (PCT/EP2018/060859)
  - [87] (WO2018/206314)
  - [30] EP (17170525.4) 2017-05-11
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**[21] 3,062,502**  
[13] A1

- [51] Int.Cl. G01B 11/06 (2006.01)
- [25] EN
- [54] METHOD AND DEVICE FOR MEASURING A LAYER THICKNESS OF AN OBJECT
- [54] PROCEDE ET DISPOSITIF POUR MESURER UNE EPAISSEUR DE COUCHE D'UN OBJET
- [72] LITTAU, BENJAMIN, DE
- [72] SCHÖBER, GIOVANNI, DE
- [72] KREMLING, STEFAN, DE
- [71] SKZ-KFE GGMBH, DE
- [85] 2019-11-05
- [86] 2018-05-02 (PCT/EP2018/061182)
- [87] (WO2018/202696)
- [30] DE (10 2017 207 648.8) 2017-05-05

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**[21] 3,062,506**  
[13] A1

- [51] Int.Cl. C07K 14/00 (2006.01) A61K 35/17 (2015.01) A61K 39/00 (2006.01) C07K 14/705 (2006.01) C07K 14/725 (2006.01) C12N 15/10 (2006.01) C12N 15/60 (2006.01) C12N 15/62 (2006.01) C12N 15/63 (2006.01) C12N 15/90 (2006.01)
  - [25] EN
  - [54] MATERIALS AND METHODS FOR ENGINEERING CELLS AND USES THEREOF IN IMMUNO-ONCOLOGY
  - [54] MATERIAUX ET PROCEDES DE GENIE CELLULAIRE ET LEURS UTILISATIONS EN IMMUNO-ONCOLOGIE
  - [72] TERRETT, JONATHAN ALEXANDER, US
  - [72] KALAITZIDIS, DEMETRIOS, US
  - [72] KLEIN, LAWRENCE, US
  - [71] CRISPR THERAPEUTICS AG, CH
  - [85] 2019-11-05
  - [86] 2018-05-11 (PCT/IB2018/001619)
  - [87] (WO2019/097305)
  - [30] US (62/505,649) 2017-05-12
  - [30] US (62/508,862) 2017-05-19
  - [30] US (62/538,138) 2017-07-28
  - [30] US (62/567,008) 2017-10-02
  - [30] US (62/567,012) 2017-10-02
  - [30] US (62/583,793) 2017-11-09
  - [30] US (62/639,332) 2018-03-06
  - [30] US (62/648,138) 2018-03-26
  - [30] US (62/655,510) 2018-04-10
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[13] A1

- [51] Int.Cl. A61M 1/00 (2006.01) H01H 9/00 (2006.01)
- [25] EN
- [54] REDUNDANT CONTROLS FOR NEGATIVE PRESSURE WOUND THERAPY SYSTEMS
- [54] COMMANDES REDONDANTES POUR SYSTEMES DE TRAITEMENT DE PLAIES PAR PRESSION NEGATIVE
- [72] QUINTANAR, FELIX CLARENCE, GB
- [71] SMITH & NEPHEW PLC, GB
- [85] 2019-11-05
- [86] 2018-05-04 (PCT/EP2018/061476)
- [87] (WO2018/206420)
- [30] US (62/503,697) 2017-05-09

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[13] A1

[51] Int.Cl. A61F 2/24 (2006.01) A61F 2/01 (2006.01)  
[25] EN  
[54] TRANSCATHETER VALVE PROSTHESIS FOR BLOOD VESSEL  
[54] PROTHESE VALVULAIRE TRANSCATHETER POUR VAISSEAU SANGUIN  
[72] PASQUINO, ENRICO, CH  
[72] BONETTI, FRANCESCO, IT  
[72] OSTA, FRANCO, IT  
[72] OSTA, STEFANO, IT  
[71] AORTICLAB ITALY SRL, IT  
[85] 2019-11-05  
[86] 2018-04-23 (PCT/IB2018/052807)  
[87] (WO2018/211344)  
[30] EP (17171583.2) 2017-05-17

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[13] A1

[51] Int.Cl. C08J 5/04 (2006.01) C08G 63/183 (2006.01) C08G 63/672 (2006.01)  
[25] FR  
[54] METHOD FOR PRODUCING A COMPOSITE MATERIAL  
[54] PROCEDE DE FABRICATION D'UN MATERIAU COMPOSÉ  
[72] AMEDRO, HELENE, FR  
[72] CORPART, JEAN-MARC, FR  
[72] JACQUEL, NICOLAS, FR  
[72] SAINT-Loup, RENE, FR  
[71] ROQUETTE FRERES, FR  
[85] 2019-11-05  
[86] 2018-05-07 (PCT/EP2018/061725)  
[87] (WO2018/202918)  
[30] FR (1754008) 2017-05-05

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[21] **3,062,510**  
[13] A1

[51] Int.Cl. A61K 38/17 (2006.01) A61K 48/00 (2006.01) A61P 25/00 (2006.01) C12N 15/86 (2006.01)  
[25] EN  
[54] CONSTITUTIVELY ACTIVE PROFILIN-1 FOR USE IN THE THERAPY AND/OR TREATMENT OF A NEUROLOGICAL DISORDER AND/OR FOR PROMOTING NEURONAL REGENERATION, KIT AND PRODUCTS THEREOF  
[54] PROFILINE-1 CONSTITUTIVEMENT ACTIVE DESTINEE A ETRE UTILISEE EN THERAPIE ET/OU DANS LE TRAITEMENT D'UN TROUBLE NEUROLOGIQUE ET/OU POUR FAVORISER LA REGENERESCENCE NEURONALE, KIT ET PRODUITS ASSOCIES  
[72] RIBEIRO MENDES DE SOUSA, MONICA LUISA, PT  
[72] CARVALHO LEITE, SERGIO RICARDO, PT  
[72] PINTO COSTA, ANA RITA, PT  
[72] ALBUQUERQUE SIMOES BAETA MENDES, RAQUEL, PT  
[72] ANTUNES MOREIRA CARVALHO MARQUES, JOANA BEATRIZ, PT  
[71] INSTITUTO DE BIOLOGIA MOLECULAR E CELULAR - IBMC, PT  
[85] 2019-11-05  
[86] 2018-05-07 (PCT/IB2018/053158)  
[87] (WO2018/203313)  
[30] PT (110059) 2017-05-05  
[30] PT (110593) 2018-02-26

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[13] A1

[51] Int.Cl. C09D 189/00 (2006.01) D04H 1/4209 (2012.01) D04H 1/4218 (2012.01) D04H 3/002 (2012.01) D04H 3/004 (2012.01) C03C 25/10 (2018.01) C03C 25/26 (2018.01) C08L 89/00 (2006.01) C09J 189/00 (2006.01) D04H 1/64 (2012.01)  
[25] EN  
[54] MINERAL WOOL BINDER  
[54] LIANT POUR LAINE MINERALE  
[72] HJELMGAARD, THOMAS, DK  
[71] ROCKWOOL INTERNATIONAL A/S, DK  
[85] 2019-11-01  
[86] 2017-11-13 (PCT/EP2017/079093)  
[87] (WO2018/206132)  
[30] EP (PCT/EP2017/061418) 2017-05-11  
[30] EP (PCT/EP2017/061419) 2017-05-11

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[21] **3,062,513**  
[13] A1

[51] Int.Cl. E21B 34/14 (2006.01)  
[25] EN  
[54] SHIFTING TOOL RESETTABLE DOWNHOLE  
[54] OUTIL DE DECALAGE POUVANT ETRE REGLE A NOUVEAU EN FOND DE TROU  
[72] CROWLEY, SCOTT, US  
[71] WEATHERFORD TECHNOLOGY HOLDINGS, LLC, US  
[85] 2019-11-05  
[86] 2018-04-17 (PCT/US2018/027931)  
[87] (WO2018/217328)  
[30] US (15/602,275) 2017-05-23

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[21] **3,062,511**  
[13] A1

[51] Int.Cl. H02G 1/08 (2006.01) H02G 1/10 (2006.01)  
[25] EN  
[54] PULL-IN HEAD FOR A HIGH VOLTAGE CABLE  
[54] TETE DE TRACTION POUR UN CABLE A HAUTE TENSION  
[72] HANSSON, STEFAN, SE  
[71] NKT HV CABLES AB, SE  
[85] 2019-11-05  
[86] 2018-05-07 (PCT/EP2018/061726)  
[87] (WO2018/206509)  
[30] EP (17169879.8) 2017-05-08

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[13] A1

- [51] Int.Cl. G01V 1/28 (2006.01) G01V 1/34 (2006.01)
- [25] EN
- [54] **SYSTEM AND METHOD FOR ASSESSING THE PRESENCE OF HYDROCARBONS IN A SUBTERRANEAN RESERVOIR BASED ON SEISMIC DATA**
- [54] **SISTÈME ET PROCÉDÉ D'EVALUATION DE LA PRÉSENCE D'HYDROCARBURES DANS UN RESERVOIR SOUTERRAIN SUR LA BASE DE DONNÉES SISMIQUES**
- [72] MAGILL, JAMES R., US
- [71] CHEVRON U.S.A. INC., US
- [85] 2019-11-05
- [86] 2018-05-08 (PCT/IB2018/053185)
- [87] (WO2018/207090)
- [30] US (62/503,427) 2017-05-09

**[21] 3,062,517**  
[13] A1

- [51] Int.Cl. C09D 5/28 (2006.01) C09D 7/40 (2018.01) C09D 7/42 (2018.01) C09D 7/45 (2018.01)
- [25] EN
- [54] **COATING MATERIALS PRODUCING STRUCTURED SURFACES**
- [54] **AGENT DE REVETEMENT PRODUISANT DES SURFACES STRUCTUREES**
- [72] WEGENER, ELKE, DE
- [72] JANSEN, ANDREAS, DE
- [72] MAGARINOS, MARIA DEL ROSARIO, ES
- [71] BASF COATINGS GMBH, DE
- [85] 2019-10-29
- [86] 2018-04-10 (PCT/EP2018/059141)
- [87] (WO2018/189166)
- [30] EP (17165903.0) 2017-04-11

**[21] 3,062,518**  
[13] A1

- [51] Int.Cl. C12P 17/18 (2006.01) C07D 491/048 (2006.01)
- [25] EN
- [54] **PROCESS FOR PRODUCING AN AZAPHILONE IN TALAROMYCES ATROROSEUS**
- [54] **PROCEDE DE PRODUCTION D'UNE AZAPHILONE DANS TALAROMYCES ATROROSEUS**
- [72] TOLBORG, GERIT, DK
- [72] PETERSEN, THOMAS ISBRANDT, DK
- [72] LARSEN, THOMAS OSTENFELD, DK
- [72] WORKMAN, MHAIRI, DK
- [71] DANMARKS TEKNISKE UNIVERSITET, DK
- [85] 2019-11-05
- [86] 2018-05-08 (PCT/EP2018/061898)
- [87] (WO2018/206590)
- [30] EP (17169959.8) 2017-05-08

**[21] 3,062,521**  
[13] A1

- [51] Int.Cl. H04L 29/06 (2006.01) H04W 12/02 (2009.01)
- [25] EN
- [54] **PRIVACY INDICATORS FOR CONTROLLING AUTHENTICATION REQUESTS**
- [54] **INDICATEURS DE CONFIDENTIALITE POUR COMMANDER DES DEMANDES D'AUTHENTIFICATION**
- [72] NAIR, SURESH, US
- [72] JERICHOW, ANJA, DE
- [72] SEEFELDT, ANNETH, DE
- [71] NOKIA TECHNOLOGIES OY, FI
- [85] 2019-11-05
- [86] 2018-04-30 (PCT/US2018/030143)
- [87] (WO2018/204235)
- [30] US (62/502,266) 2017-05-05
- [30] US (15/794,856) 2017-10-26

**[21] 3,062,522**  
[13] A1

- [51] Int.Cl. G01F 11/06 (2006.01)
- [25] EN
- [54] **DOSING DEVICE FOR A LIQUID SUPPLY WITH NECK**
- [54] **DISPOSITIF DE DOSAGE POUR L'ALIMENTATION EN LIQUIDE AVEC BUSE**
- [72] WOHLGENANN, HERBERT, CH
- [71] CAPARTIS AG, CH
- [85] 2019-11-05
- [86] 2018-05-18 (PCT/EP2018/063227)
- [87] (WO2018/211125)
- [30] EP (17172085.7) 2017-05-19

**[21] 3,062,523**  
[13] A1

- [51] Int.Cl. H04B 7/06 (2006.01) H04B 7/08 (2006.01)
- [25] EN
- [54] **USER EQUIPMENT, BASE STATION AND METHODS IN A RADIO COMMUNICATIONS NETWORK**
- [54] **EQUIPEMENT UTILISATEUR, STATION DE BASE ET PROCEDES DANS UN RESEAU DE COMMUNICATION RADIO**
- [72] DA SILVA, ICARO L. J., SE
- [72] TIDESTAV, CLAES, SE
- [71] TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE
- [85] 2019-11-05
- [86] 2018-02-27 (PCT/SE2018/050186)
- [87] (WO2018/203785)
- [30] US (62/501,823) 2017-05-05

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<p>[21] <b>3,062,525</b>  [13] A1</p> <p>[51] Int.Cl. B03C 1/02 (2006.01)</p> <p>[25] EN</p> <p>[54] MAGNETIC BEARING APPARATUS FOR SEPARATING SOLIDS, LIQUIDS AND GASES HAVING DIFFERENT SPECIFIC GRAVITIES, WITH ENHANCED SOLIDS SEPARATION MEANS</p> <p>[54] APPAREIL DE PALIER MAGNETIQUE POUR SEPARER DES SOLIDES, DES LIQUIDES ET DES GAZ AYANT DES DENSITES DIFFERENTES, AVEC DES MOYENS DE SEPARATION DE SOLIDES AMELIORES</p> <p>[72] DI BELLA, JOHN A., US</p> <p>[72] DI BELLA, ALBERTO, US</p> <p>[71] SCHLUMBERGER CANADA LIMITED, CA</p> <p>[85] 2019-11-05</p> <p>[86] 2018-05-04 (PCT/US2018/031026)</p> <p>[87] (WO2018/204747)</p> <p>[30] US (15/588,132) 2017-05-05</p>
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<p>[21] <b>3,062,527</b>  [13] A1</p> <p>[51] Int.Cl. A01G 25/16 (2006.01) B05B 12/08 (2006.01) G05B 19/43 (2006.01) G05D 7/06 (2006.01) H02J 3/14 (2006.01)</p> <p>[25] EN</p> <p>[54] SYSTEM AND METHOD FOR INTERACTIVE DEMAND RESPONSE IN ENERGY GENERATION AND ROUTING</p> <p>[54] SYSTEME ET PROCEDE DE REPONSE INTERACTIVE A UNE DEMANDE DANS LA PRODUCTION ET L'ACHEMINEMENT D'ENERGIE</p> <p>[72] HOME, JESSE, US</p> <p>[72] MEYER, MICHAEL D., US</p> <p>[71] VALMONT INDUSTRIES, INC., US</p> <p>[85] 2019-11-05</p> <p>[86] 2018-05-04 (PCT/US2018/031106)</p> <p>[87] (WO2018/208598)</p> <p>[30] US (62/505,215) 2017-05-12</p>
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<p>[21] <b>3,062,535</b>  [13] A1</p> <p>[51] Int.Cl. E04H 15/54 (2006.01) B63B 17/02 (2006.01) D03D 1/00 (2006.01) G02B 6/00 (2006.01) E04H 15/10 (2006.01)</p> <p>[25] FR</p> <p>[54] FLEXIBLE COVERING ITEM</p> <p>[54] ARTICLE DE COUVERTURE FLEXIBLE</p> <p>[72] PLAGUE, THIERRY, FR</p> <p>[71] SELLERIE NAUTIQUE AEREC, FR</p> <p>[85] 2019-11-05</p> <p>[86] 2018-05-04 (PCT/FR2018/051139)</p> <p>[87] (WO2018/206892)</p> <p>[30] FR (1754144) 2017-05-11</p>
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<p>[21] <b>3,062,536</b>  [13] A1</p> <p>[51] Int.Cl. F21S 8/00 (2006.01) F21V 7/00 (2006.01) F21V 21/00 (2006.01) F21V 21/02 (2006.01)</p> <p>[25] EN</p> <p>[54] LUMINAIRE UPLIGHT</p> <p>[54] LUMINAIRE A ECLAIRAGE DIRIGE VERS LE HAUT</p> <p>[72] VENHAUS, DAVID, US</p> <p>[71] HUBBELL INCORPORATED, US</p> <p>[85] 2019-11-05</p> <p>[86] 2018-05-04 (PCT/US2018/031115)</p> <p>[87] (WO2018/204801)</p> <p>[30] US (62/502,190) 2017-05-05</p>
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<p>[21] <b>3,062,537</b>  [13] A1</p> <p>[51] Int.Cl. H04L 12/28 (2006.01) H04W 4/02 (2018.01)</p> <p>[25] EN</p> <p>[54] LIGHTING CONTROL WITH LOCATION BASED COMMUNICATION</p> <p>[54] COMMANDE D'ECLAIRAGE A COMMUNICATION BASEE SUR L'EMPLACEMENT</p> <p>[72] HAMMETT, GEOFFREY GRANVILLE, US</p> <p>[72] LUNN, MICHAEL ALAN, US</p> <p>[72] DOUGLAS, BRUCE ANDREW CARL, US</p> <p>[72] MATUTE, LEONARDO ENRIQUE, US</p> <p>[71] EATON INTELLIGENT POWER LIMITED, IE</p> <p>[85] 2019-11-05</p> <p>[86] 2018-05-08 (PCT/IB2018/000552)</p> <p>[87] (WO2018/207017)</p> <p>[30] US (62/503,190) 2017-05-08</p>
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  - [25] EN
  - [54] ACTIVATABLE WRAP MATERIALS AND RELATED METHODS
  - [54] MATERIAUX D'EMBALLAGE ACTIVABLES ET PROCEDES ASSOCIES
  - [72] BERGMAN, CARL L., US
  - [72] RUSNAK, JOHN, US
  - [72] JOHNSON, MICHAEL O., US
  - [72] CHANG, SEAN, US
  - [72] PSZCZOLKOWSKI, MARK D., US
  - [72] MACK-ROBLES, NANCY M., US
  - [71] THE GLAD PRODUCTS COMPANY, US
  - [85] 2019-11-05
  - [86] 2018-05-02 (PCT/US2018/030580)
  - [87] (WO2018/204448)
  - [30] US (62/502,513) 2017-05-05
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- [51] Int.Cl. F21K 9/20 (2016.01) F21S 2/00 (2016.01) F21S 8/00 (2006.01) F21V 15/01 (2006.01) F21V 19/00 (2006.01) F21V 23/00 (2015.01) F21V 29/00 (2015.01)
- [25] EN
- [54] WALL PACK LUMINAIRE
- [54] LUMINAIRE A BLOC MURAL
- [72] ELMORE, MARK, US
- [72] DUCKWORTH, JASON, US
- [71] HUBBELL INCORPORATED, US
- [85] 2019-11-05
- [86] 2018-05-04 (PCT/US2018/031133)
- [87] (WO2018/204815)
- [30] US (62/501,851) 2017-05-05

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[13] A1

- [51] Int.Cl. G09G 5/00 (2006.01)
  - [25] EN
  - [54] CONTEXTUAL APPLICATIONS IN A MIXED REALITY ENVIRONMENT
  - [54] APPLICATIONS CONTEXTUELLES DANS UN ENVIRONNEMENT DE REALITE MIXTE
  - [72] DROUIN, SYLVIO HERVE, US
  - [72] PALMARO, GREGORY LIONEL XAVIER JEAN, US
  - [72] ROSILLO, DIOSELIN ALEJANDRA GONZALEZ, US
  - [71] UNITY IPR APS, DK
  - [85] 2019-11-05
  - [86] 2018-05-04 (PCT/US2018/031245)
  - [87] (WO2018/204879)
  - [30] US (62/502,349) 2017-05-05
  - [30] US (62/561,017) 2017-09-20
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[13] A1

- [51] Int.Cl. B07B 1/24 (2006.01) B07B 1/42 (2006.01)
- [25] EN
- [54] APPARATUS FOR SEPARATING SOLIDS, LIQUIDS AND GASES WITH INTEGRAL DRIVE MOTOR HAVING A HOLLOW MOTOR SHAFT DEFINING AN IMPELLER DRUM
- [54] APPAREIL POUR SEPARER DES SOLIDES, DES LIQUIDES ET DES GAZ AVEC UN MOTEUR D'ENTRAINEMENT INTEGRÉ AYANT UN ARBRE DE MOTEUR CREUX DEFINISSANT UN TAMBOUR DE ROUE
- [72] DI BELLA, JOHN A., US
- [72] DI BELLA, ALBERTO, US
- [71] SCHLUMBERGER CANADA LIMITED, CA
- [85] 2019-11-05
- [86] 2018-05-04 (PCT/US2018/031146)
- [87] (WO2018/204821)
- [30] US (15/588,168) 2017-05-05

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[13] A1

- [51] Int.Cl. F16L 33/207 (2006.01) F16L 53/37 (2018.01) F16L 11/127 (2006.01) F16L 25/01 (2006.01)
  - [25] EN
  - [54] HEATED FLUID CONDUIT
  - [54] CONDUIT DE FLUIDE CHAUFFE
  - [72] MOSS, THOMAS, III, US
  - [72] WARNEKE, ALEX, US
  - [72] SAUPE, TIM, US
  - [71] GATES CORPORATION, US
  - [85] 2019-11-05
  - [86] 2018-03-30 (PCT/US2018/025564)
  - [87] (WO2018/212838)
  - [30] US (15/597,488) 2017-05-17
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**[21] 3,062,544**

[13] A1

- [51] Int.Cl. G01V 1/28 (2006.01) G01V 1/34 (2006.01)
- [25] EN
- [54] SYSTEM AND METHOD FOR ASSESSING THE PRESENCE OF HYDROCARBONS IN A SUBTERRANEAN RESERVOIR BASED ON SEISMIC DATA
- [54] SYSTEME ET PROCEDE D'EVALUATION DE LA PRESENCE D'HYDROCARBURES DANS UN RESERVOIR SOUTERRAIN SUR LA BASE DE DONNEES SISMIQUES
- [72] MAGILL, JAMES R., US
- [71] CHEVRON U.S.A. INC., US
- [85] 2019-11-05
- [86] 2018-05-08 (PCT/IB2018/053186)
- [87] (WO2018/207091)
- [30] US (62/503,663) 2017-05-09

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<p>[21] <b>3,062,545</b> [13] A1</p> <p>[51] Int.Cl. F21V 17/06 (2006.01) F21V 29/74 (2015.01) F21V 29/83 (2015.01) F21S 8/06 (2006.01) F21V 15/01 (2006.01) F21V 23/00 (2015.01)</p> <p>[25] EN</p> <p>[54] <b>HIGH LUMEN HIGH-BAY LUMINAIRE</b></p> <p>[54] <b>LUMINAIRE DE GRANDE HAUTEUR A LUMINOSITE ELEVEE</b></p> <p>[72] JENSON, TAYLOR, US</p> <p>[72] HOLSCHER, THOMAS, US</p> <p>[72] ENGLE, JOSEPH, US</p> <p>[71] HUBBELL INCORPORATED, US</p> <p>[85] 2019-11-05</p> <p>[86] 2018-05-02 (PCT/US2018/030630)</p> <p>[87] (WO2018/204485)</p> <p>[30] US (62/502,003) 2017-05-05</p>
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<p>[21] <b>3,062,547</b> [13] A1</p> <p>[51] Int.Cl. D02G 3/10 (2006.01) D02G 3/44 (2006.01)</p> <p>[25] EN</p> <p>[54] <b>COLLAGEN FIBERS AND ARTICLES FORMED THEREFROM</b></p> <p>[54] <b>FIBRES DE COLLAGENE ET ARTICLES FORMES A PARTIR DESDITES FIBRES DE COLLAGENE</b></p> <p>[72] TOD, TARA J., US</p> <p>[71] EDWARDS LIFESCIENCES CORPORATION, US</p> <p>[85] 2019-11-05</p> <p>[86] 2018-05-21 (PCT/US2018/033703)</p> <p>[87] (WO2018/222434)</p> <p>[30] US (62/513,169) 2017-05-31</p>
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<p>[21] <b>3,062,548</b> [13] A1</p> <p>[51] Int.Cl. A45D 42/08 (2006.01) A45D 42/24 (2006.01)</p> <p>[25] EN</p> <p>[54] <b>ILLUMINATED MIRROR</b></p> <p>[54] <b>MIROIR ECLAIRE</b></p> <p>[72] VELTRI, THOMAS, US</p> <p>[72] PATEL, DHAVALKAMAR, US</p> <p>[71] HUBBELL INCORPORATED, US</p> <p>[85] 2019-11-05</p> <p>[86] 2018-05-03 (PCT/US2018/030822)</p> <p>[87] (WO2018/204599)</p> <p>[30] US (62/502,135) 2017-05-05</p>
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<p>[21] <b>3,062,550</b> [13] A1</p> <p>[51] Int.Cl. C12N 9/00 (2006.01) C12N 15/09 (2006.01) C12N 15/31 (2006.01) C12N 15/52 (2006.01)</p> <p>[25] EN</p> <p>[54] <b>ENGINEERED LIGASE VARIANTS</b></p> <p>[54] <b>VARIANTS DE LIGASE MODIFIES</b></p> <p>[72] MILLER, MATHEW G., US</p> <p>[72] VROOM, JONATHAN, US</p> <p>[72] DELLAS, NIKKI, US</p> <p>[72] BASKERVILLE, DONALD S., US</p> <p>[72] GOMES, SANDY M., US</p> <p>[72] ELGART, DAVID, US</p> <p>[72] VIDUYA, JUDY VICTORIA ANTONIO, US</p> <p>[71] CODEXIS, INC., US</p> <p>[85] 2019-11-05</p> <p>[86] 2018-05-07 (PCT/US2018/031376)</p> <p>[87] (WO2018/208665)</p> <p>[30] US (62/503,075) 2017-05-08</p> <p>[30] US (62/540,734) 2017-08-03</p> <p>[30] US (62/587,030) 2017-11-16</p>
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<p>[21] <b>3,062,552</b> [13] A1</p> <p>[51] Int.Cl. A61K 31/517 (2006.01) A61P 35/00 (2006.01)</p> <p>[25] EN</p> <p>[54] <b>PLATINUM-RESISTANT CANCER TREATMENT</b></p> <p>[54] <b>TRAITEMENT D'UN CANCER RESISTANT AU PLATINE</b></p> <p>[72] BANERJI, UDAI, GB</p> <p>[71] BTG INTERNATIONAL LIMITED, GB</p> <p>[85] 2019-11-05</p> <p>[86] 2018-05-16 (PCT/IB2018/053428)</p> <p>[87] (WO2018/211433)</p> <p>[30] GB (1707864.3) 2017-05-16</p> <p>[30] US (62/513,627) 2017-06-01</p>
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<p>[21] <b>3,062,553</b>  [13] A1</p> <p>[51] Int.Cl. C07C 229/16 (2006.01) C07F 7/10 (2006.01) C07F 19/00 (2006.01)</p> <p>[25] EN</p> <p>[54] PHARMACOKINETIC ENHANCEMENTS OF BIFUNCTIONAL CHELATES AND USES THEREOF</p> <p>[54] AMELIORATIONS PHARMACOCINETIQUES DE CHELATES BIFONCTIONNELS ET LEURS UTILISATIONS</p> <p>[72] BURAK, ERIC STEVEN, CA</p> <p>[72] MAHONEY, STUART JAMES, CA</p> <p>[72] SIMMS, RYAN WAYNE, CA</p> <p>[72] VALLIANT, JOHN FITZMAURICE, CA</p> <p>[71] FUSION PHARMACEUTICALS INC., CA</p> <p>[71] BURAK, ERIC STEVEN, CA</p> <p>[85] 2019-11-05</p> <p>[86] 2018-05-04 (PCT/US2018/031228)</p> <p>[87] (WO2018/204869)</p> <p>[30] US (62/502,260) 2017-05-05</p>
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<p>[21] <b>3,062,554</b>  [13] A1</p> <p>[51] Int.Cl. B01J 2/06 (2006.01) B01J 13/02 (2006.01) B01F 3/08 (2006.01) B01L 3/00 (2006.01) C08J 3/12 (2006.01)</p> <p>[25] EN</p> <p>[54] SYSTEMS AND METHODS FOR PREPARING WAX AND LIPID PARTICLES</p> <p>[54] SYSTEMES ET PROCEDES POUR LA PREPARATION DE PARTICULES DE CIRE ET DE LIPIDES</p> <p>[72] LOKE, SIEW KEONG, SG</p> <p>[72] SOO, KIT YING, SG</p> <p>[71] MATRALIX PTE LTD, SG</p> <p>[85] 2019-11-05</p> <p>[86] 2018-06-13 (PCT/IB2018/054328)</p> <p>[87] (WO2018/229685)</p> <p>[30] US (16/006,474) 2018-06-12</p> <p>[30] US (62/521,062) 2017-06-16</p>
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<p>[21] <b>3,062,556</b>  [13] A1</p> <p>[51] Int.Cl. B01D 61/14 (2006.01) A61K 31/728 (2006.01) C08B 37/08 (2006.01)</p> <p>[25] EN</p> <p>[54] PROCESS FOR THE PURIFICATION OF HYALURONIC ACID</p> <p>[54] PROCESSUS POUR LA PURIFICATION DE L'ACIDE HYALURONIQUE</p> <p>[72] CORSA, VINCENZA, IT</p> <p>[72] CARPANESE, GIANCARLO, IT</p> <p>[71] FIDIA FARMACEUTICI S.P.A., IT</p> <p>[85] 2019-11-05</p> <p>[86] 2018-07-17 (PCT/IB2018/055291)</p> <p>[87] (WO2019/016699)</p> <p>[30] IT (102017000081449) 2017-07-18</p> <p>[30] US (62/533,798) 2017-07-18</p>
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<p>[21] <b>3,062,558</b>  [13] A1</p> <p>[51] Int.Cl. G06F 3/01 (2006.01) G02B 27/64 (2006.01)</p> <p>[25] EN</p>
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<p>[54] A METHOD AND SYSTEM FOR REGISTERING BETWEEN AN EXTERNAL SCENE AND A VIRTUAL IMAGE</p> <p>[54] PROCEDE ET SYSTEME D'ENREGISTREMENT ENTRE UNE SCENE EXTERNE ET UNE IMAGE VIRTUELLE</p> <p>[72] GREENBERG, BORIS, IL</p> <p>[71] EYEWAY VISION LTD., IL</p> <p>[85] 2019-11-05</p> <p>[86] 2018-05-29 (PCT/IL2018/050589)</p> <p>[87] (WO2018/220631)</p> <p>[30] IL (252582) 2017-05-29</p>
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<p>[21] <b>3,062,559</b>  [13] A1</p> <p>[51] Int.Cl. C23F 13/20 (2006.01)</p> <p>[25] EN</p>
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<p>[54] CATHODIC CORROSION PROTECTION WITH CURRENT LIMITER</p> <p>[54] PROTECTION CONTRE LA CORROSION CATHODIQUE COMPORANT UN LIMITEUR DE COURANT</p> <p>[72] WHITMORE, DAVID WILLIAM, CA</p> <p>[72] CHILD, GEOFFREY RICHARD, CA</p> <p>[71] VECTOR REMEDIATION LTD., CA</p> <p>[85] 2019-11-06</p> <p>[86] 2018-04-26 (PCT/CA2018/050489)</p> <p>[87] (WO2019/006539)</p> <p>[30] US (15/644,064) 2017-07-07</p>
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<p>[21] <b>3,062,560</b>  [13] A1</p> <p>[51] Int.Cl. B65B 9/12 (2006.01)</p> <p>[25] EN</p> <p>[54] METHOD AND SYSTEM FOR MANUFACTURE AND FILLING WITH A STERILE LIQUID OF A TUBULAR PACKAGING</p> <p>[54] PROCEDE ET SYSTEME DE FABRICATION ET DE REMPLISSAGE AVEC UN LIQUIDE STERILE D'UN EMBALLAGE TUBULAIRE</p> <p>[72] HILBRINK, HUBERTUS EDUARD, NL</p> <p>[72] LAMMERS, LEONARDUS HUBERTUS MARIA, NL</p> <p>[71] SPARKLE INNOVATIONS B.V., NL</p> <p>[85] 2019-11-05</p> <p>[86] 2018-05-08 (PCT/NL2018/050301)</p> <p>[87] (WO2018/208152)</p> <p>[30] NL (2018872) 2017-05-08</p> <p>[30] NL (2019093) 2017-06-19</p>
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<p>[21] <b>3,062,561</b>  [13] A1</p> <p>[51] Int.Cl. E04F 15/02 (2006.01) E04F 15/10 (2006.01)</p> <p>[25] EN</p> <p>[54] MULTI-PURPOSE TILE SYSTEM</p> <p>[54] SYSTEME DE CARREAUX A USAGES MULTIPLES</p> <p>[72] BOUCKE, EDDY ALBERIC, BE</p> <p>[72] SONG, JINCHENG, CN</p> <p>[71] INNOVATIONS 4 FLOORING HOLDING N.V., DE</p> <p>[71] TOWER IPCO COMPANY LIMITED, IE</p> <p>[85] 2019-11-01</p> <p>[86] 2018-05-23 (PCT/EP2018/063520)</p> <p>[87] (WO2018/215550)</p> <p>[30] NL (2018970) 2017-05-23</p>
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<p>[21] <b>3,062,562</b>  [13] A1</p> <p>[51] Int.Cl. A63B 69/00 (2006.01) A63B 22/00 (2006.01)</p> <p>[25] EN</p> <p>[54] PERSONAL TRAINING DEVICE</p> <p>[54] DISPOSITIF D'ENTRAIEMENT INDIVIDUEL</p> <p>[72] KADOIC, DAVID, CA</p> <p>[72] LICHAA, JOSEPH, CA</p> <p>[71] HEADS UP TRAINER INC., CA</p> <p>[85] 2019-11-06</p> <p>[86] 2018-04-27 (PCT/CA2018/050498)</p> <p>[87] (WO2018/205014)</p> <p>[30] US (62/504,814) 2017-05-11</p>
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<b>[21] 3,062,563</b> [13] A1 [51] Int.Cl. G08B 23/00 (2006.01) [25] EN [54] DEVICE AND METHOD FOR CONTROLLING BLUETOOTH ENABLED OCCUPANCY SENSORS [54] DISPOSITIF ET PROCEDE DE COMMANDE DE CAPTEURS DE PRESENCE ACTIVES PAR BLUETOOTH [72] WEBER, THEODORE, US [72] MUECKE, MICHAEL, US [72] ARBOUW, TERENCE, US [71] HUBBELL INCORPORATED, US [85] 2019-11-05 [86] 2018-05-03 (PCT/US2018/030890) [87] (WO2018/204643) [30] US (62/501,911) 2017-05-05
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<b>[21] 3,062,564</b> [13] A1 [51] Int.Cl. A47J 31/60 (2006.01) [25] EN [54] BEVERAGE BREWING APPARATUS WITH NOZZLE EXTERIOR CLEANING [54] APPAREIL D'INFUSION DE BOISSON A NETTOYAGE EXTERIEUR DE BEC VERSEUR [72] DESSING, JACOBUS PETRUS MARIA, NL [72] STANDAAR, KOEN, NL [72] DEES, HENDRIK JOHAN, NL [71] KONINKLIJKE DOUWE EGBERTS B.V., NL [85] 2019-11-05 [86] 2018-05-09 (PCT/NL2018/050307) [87] (WO2018/208156) [30] NL (2018884) 2017-05-10 [30] NL (2018886) 2017-05-10
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<b>[21] 3,062,566</b> [13] A1 [51] Int.Cl. G01D 18/00 (2006.01) G01D 1/18 (2006.01) G01D 5/32 (2006.01) [25] EN [54] METHOD AND SYSTEM FOR DETECTING EVENTS IN A CONDUIT [54] PROCEDE ET SYSTEME DE DETECTION D'EVENEMENTS DANS UN CONDUIT [72] ADEYEMI, ADEKUNLE, CA [72] JALILIAN, SEYED, CA [71] HIFI ENGINEERING INC., CA [85] 2019-11-06 [86] 2019-01-08 (PCT/CA2019/050025) [87] (WO2019/136556) [30] US (62/615,871) 2018-01-10
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  - [25] EN
  - [54] LIPO-GLYCOPEPTIDE CLEAVABLE DERIVATIVES AND USES THEREOF
  - [54] DERIVES CLIVABLES DE LIPO-GLYCOPEPTIDES ET LEURS UTILISATIONS
  - [72] HECKLER, RYAN, US
  - [72] KONICEK, DONNA, US
  - [72] PLAUNT, ADAM, US
  - [72] MALININ, VLADIMIR, US
  - [72] PERKINS, WALTER, US
  - [71] INSMED INCORPORATED, US
  - [85] 2019-11-05
  - [86] 2018-05-22 (PCT/US2018/033963)
  - [87] (WO2018/217808)
  - [30] US (62/509,378) 2017-05-22
  - [30] US (62/518,280) 2017-06-12
  - [30] US (62/560,413) 2017-09-19
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[13] A1

- [51] Int.Cl. C12Q 1/68 (2018.01) G01N 33/50 (2006.01)
- [25] EN
- [54] PROSTATE CANCER GENE PROFILES AND METHODS OF USING THE SAME
- [54] PROFILS DE GENES DU CANCER DE LA PROSTATE ET LEURS METHODES D'UTILISATION
- [72] SRIVASTAVA, SHIV K., US
- [72] PETROVICS, GYORGY, US
- [72] KOHAAR, INDU, US
- [71] THE HENRY M. JACKSON FOUNDATION FOR THE ADVANCEMENT OF MILITARY MEDICI, INC., US
- [85] 2019-11-05
- [86] 2018-05-08 (PCT/US2018/031550)
- [87] (WO2018/208749)
- [30] US (62/505,798) 2017-05-12

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[13] A1

- [51] Int.Cl. C08F 8/14 (2006.01) B01F 17/52 (2006.01) C08F 8/46 (2006.01) C08F 110/10 (2006.01) E21B 37/06 (2006.01)
  - [25] EN
  - [54] ESTER POLYMER, PRODUCTION METHOD THEREFOR AND USE THEREOF
  - [54] POLYMER D'ESTER, PROCEDE DE PREPARATION ET APPLICATION ASSOCIES
  - [72] LI, CHENG, CN
  - [72] TIAN, SONGBAI, CN
  - [72] WANG, XIAOWEI, CN
  - [72] ZHANG, QUNDAN, CN
  - [72] LI, HU, CN
  - [72] ZHU, XINYU, CN
  - [71] CHINA PETROLEUM & CHEMICAL CORPORATION, CN
  - [71] RESEARCH INSTITUTE OF PETROLEUM PROCESSING, SINOPEC, CN
  - [85] 2019-11-06
  - [86] 2018-05-16 (PCT/CN2018/087068)
  - [87] (WO2018/210262)
  - [30] CN (201710346651.X) 2017-05-17
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[13] A1

- [51] Int.Cl. A61B 17/80 (2006.01)
- [25] EN
- [54] ACROMIOCLAVICULAR HOOK PLATE
- [54] PLAQUE A CROCHET ACROMIO-CLAVICULAIRE
- [72] ZENKER, MARTIN, CH
- [72] GALM, ANDRE, CH
- [72] ANDERMATT, DANIEL, CH
- [72] BAMMERLIN, MARTIN, CH
- [72] TORDI, GIANLUCA, IT
- [72] JAEGER, MARTIN, DE
- [71] DEPUY SYNTHES PRODUCTS, INC., US
- [85] 2019-11-05
- [86] 2018-05-23 (PCT/US2018/034034)
- [87] (WO2018/222449)
- [30] US (15/608,876) 2017-05-30

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- [51] Int.Cl. G05D 1/10 (2006.01) G01C 21/00 (2006.01) G08G 5/04 (2006.01)
  - [25] EN
  - [54] SYSTEMS AND METHODS FOR SENSING AND AVOIDING EXTERNAL OBJECTS FOR AIRCRAFT
  - [54] SYSTEMES ET PROCEDES DE DETECTION ET D'EVITEMENT D'OBJETS EXTERNES POUR AERONEF
  - [72] STOSCHEK, ARNE, US
  - [72] LOVERING, ZACHARY THOMAS, US
  - [72] NAIMAN, ALEXANDER DEAN, US
  - [72] COCAUD, CEDRIC, US
  - [71] A^3 BY AIRBUS, LLC, US
  - [85] 2019-11-05
  - [86] 2018-05-08 (PCT/US2018/031610)
  - [87] (WO2018/208784)
  - [30] US (62/503,311) 2017-05-08
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[13] A1

- [51] Int.Cl. B42D 25/41 (2014.01) B42D 25/23 (2014.01) B42D 25/24 (2014.01) B42D 25/29 (2014.01) B42D 25/324 (2014.01) B42D 25/342 (2014.01) B42D 25/351 (2014.01) B42D 25/355 (2014.01) B42D 25/425 (2014.01) B42D 25/43 (2014.01) B42D 25/45 (2014.01) G02B 3/00 (2006.01) G02B 27/22 (2018.01)
- [25] EN
- [54] AN OPTICAL DEVICE THAT PROVIDES FLICKER-LIKE OPTICAL EFFECTS
- [54] DISPOSITIF OPTIQUE QUI FOURNIT DES EFFETS OPTIQUES DE TYPE SCINTILLEMENT
- [72] BLEIMAN, BENJAMIN E., US
- [72] CAPE, SAMUEL M., US
- [72] COTE, PAUL F., US
- [72] JORDAN, GREGORY R., US
- [72] PALM, SCOTT K., US
- [72] GOSNELL, JANATHAN D., US
- [71] CRANE & CO., INC., US
- [85] 2019-11-05
- [86] 2018-05-30 (PCT/US2018/035183)
- [87] (WO2018/226484)
- [30] US (62/515,179) 2017-06-05

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[13] A1

[51] Int.Cl. H04L 12/18 (2006.01)  
[25] EN  
[54] CREATION OF ENTERPRISE GROUP  
[54] CREATION D'UN GROUPE D'ENTREPRISE  
[72] LIU, PINGCHUAN, CN  
[72] MI, XINFENG, CN  
[72] ZHANG, XU, CN  
[72] CAO, HUIYUAN, CN  
[71] 10353744 CANADA LTD., CA  
[85] 2019-11-06  
[86] 2017-12-18 (PCT/CN2017/116987)  
[87] (WO2018/233245)  
[30] CN (201710485010.2) 2017-06-22

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[21] **3,062,581**  
[13] A1

[51] Int.Cl. G05B 19/042 (2006.01) G08C 17/02 (2006.01) H02J 13/00 (2006.01)  
[25] EN  
[54] WIRELESS HIERARCHICAL POWER MANAGEMENT SYSTEM, AND REMOTE CONTROL DEVICE, CONTROLLED DEVICE, AND REMOTE CONTROL METHOD THEREOF  
[54] SYSTEME DE GESTION D'ENERGIE HIERARCHIQUE SANS FIL, ET DISPOSITIF DE COMMANDE A DISTANCE, DISPOSITIF COMMANDE ET PROCEDE DE COMMANDE A DISTANCE ASSOCIES  
[72] LAI, CHIEN-CHOU, CN  
[72] LIN, TZ-MIN, CN  
[72] FAN, KE-FAN, CN  
[72] WANG, DY-CHENG, CN  
[71] TEAM YOUNG TECHNOLOGY CO., LTD., CN  
[85] 2019-11-06  
[86] 2018-05-10 (PCT/CN2018/086248)  
[87] (WO2018/210174)  
[30] CN (201710355113.7) 2017-05-19  
[30] CN (201710719242.X) 2017-08-21

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[21] **3,062,582**  
[13] A1

[51] Int.Cl. A61F 2/06 (2013.01) A61F 2/24 (2006.01)  
[25] EN  
[54] AORTIC GRAFT OCCLUDER  
[54] DISPOSITIF D'OCCLUSION DE GREFFE AORTIQUE  
[72] DINGES, CHRISTIAN, AT  
[72] FIERLBECK, JOHANN, AT  
[71] PMU INNOVATIONS GMBH, AT  
[85] 2019-11-06  
[86] 2018-05-07 (PCT/EP2018/061703)  
[87] (WO2018/206495)  
[30] EP (17169992.9) 2017-05-08

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[21] **3,062,583**  
[13] A1

[51] Int.Cl. F03D 1/06 (2006.01)  
[25] EN  
[54] WIND TURBINE BLADE AND METHOD OF ASSEMBLY OF BLADE ELEMENTS TO FORM A WIND TURBINE BLADE  
[54] PALE D'EOLIENNE ET PROCEDE D'ASSEMBLAGE D'ELEMENTS DE PALE POUR FORMER UNE PALE D'EOLIENNE  
[72] LUND-LAVERICK, MICHAEL, DK  
[72] MINNEE, HANS, DK  
[71] LM WIND POWER INTERNATIONAL TECHNOLOGY II APS, DK  
[85] 2019-11-06  
[86] 2018-05-22 (PCT/EP2018/063371)  
[87] (WO2018/215457)  
[30] EP (17172187.1) 2017-05-22

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[21] **3,062,584**  
[13] A1

[51] Int.Cl. A47J 31/60 (2006.01)  
[25] EN  
[54] BEVERAGE DISPENSING DEVICE WITH CLEANING MODULE AND METHOD OF CLEANING SAID DEVICE  
[54] DISPOSITIF DE DISTRIBUTION DE BOISSONS POURVU D'UN MODULE DE NETTOYAGE ET PROCEDE DE NETTOYAGE DUDIT DISPOSITIF  
[72] DESSING, JACOBUS PETRUS MARIA, NL  
[72] STANDAAR, KOEN, NL  
[72] DEES, HENDRIK JOHAN, NL  
[71] KONINKLIJKE DOUWE EGBERTS B.V., NL  
[85] 2019-11-05  
[86] 2018-05-09 (PCT/NL2018/050308)  
[87] (WO2018/208157)  
[30] NL (2018886) 2017-05-10  
[30] NL (2018884) 2017-05-10

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[21] **3,062,585**  
[13] A1

[51] Int.Cl. C12Q 1/68 (2018.01) A61B 5/15 (2006.01) A61M 5/142 (2006.01) A61M 5/168 (2006.01) C12M 3/00 (2006.01)  
[25] EN  
[54] METHODS AND SYSTEMS FOR ANALYTE INFORMATION PROCESSING  
[54] PROCEDES ET SYSTEMES POUR LE TRAITEMENT D'INFORMATIONS SUR DES ANALYTES  
[72] KRISHNAN, RAJARAM, US  
[72] CLARK, IRYNA, US  
[72] TURNER, ROBERT, US  
[72] KOVELMAN, ROBERT, US  
[72] HINESTROSA SALAZAR, JUAN PABLO, US  
[72] LIU, DAVID, US  
[71] BIOLOGICAL DYNAMICS, INC., US  
[85] 2019-11-05  
[86] 2018-05-08 (PCT/US2018/031652)  
[87] (WO2018/208820)  
[30] US (62/503,174) 2017-05-08

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<p>[21] 3,062,588 [13] A1</p> <p>[51] Int.Cl. A24F 47/00 (2006.01)</p> <p>[25] EN</p> <p>[54] ATOMIZER AND ATOMIZATION CORE OF AN ELECTRONIC CIGARETTE</p> <p>[54] ATOMISEUR ET NOYAU D'ATOMISATION DE CIGARETTE ELECTRONIQUE</p> <p>[72] LENG, ZHAOYANG, CN</p> <p>[71] LENG, ZHAOYANG, CN</p> <p>[85] 2019-11-06</p> <p>[86] 2018-03-29 (PCT/CN2018/080991)</p> <p>[87] (WO2018/205763)</p> <p>[30] CN (201710314621.0) 2017-05-06</p>
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<p>[21] 3,062,589 [13] A1</p> <p>[51] Int.Cl. A01K 61/80 (2017.01)</p> <p>[25] EN</p> <p>[54] FEEDING DEVICE FOR A CLOSED PEN AND METHOD FOR DISTRIBUTION OF FEED IN A CLOSED PEN</p> <p>[54] DISPOSITIF D'ALIMENTATION POUR UN ENCLOS FERME ET PROCEDE DE DISTRIBUTION D'ALIMENT DANS UN ENCLOS FERME</p> <p>[72] NÆSS, ANDERS, NO</p> <p>[72] JOHNSEN, TROND OTTO, NO</p> <p>[71] AKVADESIGN AS, NO</p> <p>[85] 2019-11-05</p> <p>[86] 2018-05-16 (PCT/NO2018/050129)</p> <p>[87] (WO2018/212666)</p> <p>[30] NO (20170822) 2017-05-19</p>
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<p>[21] 3,062,590 [13] A1</p> <p>[51] Int.Cl. C12N 15/113 (2010.01) A61K 31/712 (2006.01) A61K 31/7125 (2006.01) A61P 27/02 (2006.01)</p> <p>[25] EN</p> <p>[54] ANTISENSE OLIGONUCLEOTIDES FOR MODULATING HTRA1 EXPRESSION</p> <p>[54] OLIGONUCLEOTIDES ANTISENS POUR MODULER L'EXPRESSION DE HTRA1</p> <p>[72] IACONE, ROBERTO, CH</p> <p>[72] HAGEDORN, PETER, DK</p> <p>[72] KAMMLER, SUSANNE, DK</p> <p>[72] OTTOSEN, SOREN, DK</p> <p>[72] TRAUSTASON, SINDRI, DK</p> <p>[72] HUDLEBUSCH, HEIDI RYE, DK</p> <p>[72] PEDERSEN, LYKKE, DK</p> <p>[72] BERRERA, MARCO, CH</p> <p>[72] DIECKMANN, ANDREAS, CH</p> <p>[72] SANCHES, RUBEN ALVAREZ, CH</p> <p>[71] F.HOFFMANN-LA ROCHE AG, CH</p> <p>[85] 2019-11-06</p> <p>[86] 2018-05-30 (PCT/EP2018/064221)</p> <p>[87] (WO2018/220034)</p> <p>[30] EP (17209407.0) 2017-12-21</p> <p>[30] EP (17209535.8) 2017-12-21</p> <p>[30] EP (17173964.2) 2017-06-01</p>
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  - [54] THIENOPYRIDINES AND BENZOTHIOPHENES USEFUL AS IRAK4 INHIBITORS
  - [54] THIENOPYRIDINES ET BENZOTHIOPHENES UTILES EN TANT QU'INHIBITEURS D'IRAK4
  - [72] AHMAD, SALEEM, US
  - [72] LI, LING, US
  - [72] NEGASH, LIDET A., US
  - [72] HYNES, JOHN, US
  - [71] BRISTOL-MYERS SQUIBB COMPANY, US
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- [25] EN
- [54] A METHOD OF MANUFACTURING A FILM HAVING LOW OXYGEN TRANSMISSION RATE VALUES
- [54] PROCEDE DE FABRICATION D'UN FILM AYANT DE FAIBLES VALEURS DE TAUX DE TRANSMISSION A L'OXYGENE
- [72] SAUKKONEN, ESA, FI
- [72] HEISKANEN, ISTO, FI
- [72] LYYTIKAINEN, KATJA, FI
- [72] BACKFOLK, KAJ, FI
- [71] STORA ENSO OYJ, FI
- [85] 2019-11-06
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  - [54] A SYSTEM FOR IMPROVED DATA STORAGE AND RETRIEVAL
  - [54] SYSTEME DE STOCKAGE ET DE RECUPERATION DE DONNEES AMELIOREES
  - [72] APPS, STEPHEN DAVID, GB
  - [72] HOBLEY, ROGER LEONARD, GB
  - [71] BAE SYSTEMS PLC, GB
  - [85] 2019-11-06
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  - [54] CAMERA NAVIGATION TRAINING SYSTEM
  - [54] SYSTEME D'APPRENTISSAGE DE LA NAVIGATION D'UNE CAMERA
  - [72] HOFSTETTER, GREGORY K., US
  - [72] MEHTA, CHARIT, US
  - [72] CARTER, BRIAN, US
  - [71] APPLIED MEDICAL RESOURCES CORPORATION, US
  - [85] 2019-11-05
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- [25] EN
- [54] METHOD FOR PRODUCING A TEXTILE OBJECT HAVING ELECTROSTATICALLY CHARGED FIBRES, AND TEXTILE OBJECT
- [54] PROCEDE DE FABRICATION D'UNE STRUCTURE TEXTILE POURVUE DE FIBRES A CHARGES ELECTROSTATIQUES ET STRUCTURE TEXTILE
- [72] BERKEMANN, RALPH, DE
- [72] STAUSS, FABIAN, DE
- [72] ENDRISS, FRANK, US
- [71] GROZ-BECKERT KG, DE
- [85] 2019-11-06
- [86] 2019-03-19 (PCT/EP2019/056778)
- [87] (WO2019/192837)
- [30] DE (10 2018 108 228.2) 2018-04-06
- [72] GOTO, KUNIO, JP
- [71] NIPPON STEEL CORPORATION, JP
- [71] VALLOUREC OIL AND GAS FRANCE, FR
- [85] 2019-11-06
- [86] 2018-05-10 (PCT/JP2018/018221)
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 [54] COMPOSITIONS COMPRISING NAPHTHYRIDINE DERIVATIVES AND ALUMINIUM ADJUVANT FOR USE IN TREATING SOLID TUMORS  
 [54] COMPOSITIONS COMPRENANT DES DERIVES DE NAPHTYRIDINE ET UN ADJUVANT D'ALUMINIUM DESTINEES A ETRE UTILISEES DANS LE TRAITEMENT DE TUMEURS SOLIDES  
 [72] COOKE, MICHAEL, US  
 [72] KASIBHATLA, SHAILAJA, US  
 [72] MILLER, ANDREW T., US  
 [72] WU, TOM YAO-HSIANG, US  
 [71] NOVARTIS AG, CH  
 [85] 2019-11-06  
 [86] 2018-05-17 (PCT/IB2018/053481)  
 [87] (WO2018/211453)  
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 [25] EN  
 [54] LIGNIN CONTAINING MICROCELLULOSE AS AN ANIMAL FEED ADDITIVE  
 [54] MICROCELLULOSE CONTENANT DE LA LIGNINE UTILISEE EN TANT QU'ADDITIF ALIMENTAIRE POUR ANIMAUX  
 [72] VANHALATO, KARI, FI  
 [72] HANNUKAINEN, HEIKKI, FI  
 [72] KOSKIMAKI, ASKO, FI  
 [72] DAHL, OLLI, FI  
 [71] AALTO UNIVERSITY FOUNDATION SR, FI  
 [85] 2019-11-06  
 [86] 2018-05-09 (PCT/FI2018/050352)  
 [87] (WO2018/206852)  
 [30] FI (20175420) 2017-05-10

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 [25] EN  
 [54] IMPLANTABLE FLUID EXTRACTION SYSTEM  
 [54] SYSTEME IMPLANTABLE D'EXTRACTION DE FLUIDE  
 [72] HANANI, NITAI, IL  
 [72] GILBOA, HADAR, IL  
 [72] ALTMAN, HERNAN, IL  
 [71] PARAGATE MEDICAL LTD., IL  
 [85] 2019-11-06  
 [86] 2018-05-14 (PCT/IL2018/050525)  
 [87] (WO2018/211500)  
 [30] US (62/505,931) 2017-05-14
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 [25] EN  
 [54] PACKAGING FOR SURGICAL IMPLANT  
 [54] EMBALLAGE POUR IMPLANT CHIRURGICAL  
 [72] HEBERT, STEPHEN J., US  
 [72] BOJANOWSKI, BARTOSZ, US  
 [71] NEUROGAMI MEDICAL, INC., US  
 [85] 2019-11-06  
 [86] 2018-04-27 (PCT/US2018/030033)  
 [87] (WO2018/208519)  
 [30] US (62/502,663) 2017-05-06  
 [30] US (62/622,869) 2018-01-27  
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 [25] EN  
 [54] WORK VEHICLE, CONTROL DEVICE, AND METHOD FOR CONTROLLING WORK VEHICLE  
 [54] VEHICULE DE CHANTIER, DISPOSITIF DE COMMANDE ET PROCEDE PERMETTANT DE COMMANDER UN VEHICULE DE CHANTIER  
 [72] MINAGAWA, MASANORI, JP  
 [72] MORINAGA, JUN, JP  
 [72] OHYAMA, YASUHIRO, JP  
 [72] DING, QI, JP  
 [71] KOMATSU LTD., JP  
 [85] 2019-11-06  
 [86] 2018-10-03 (PCT/JP2018/037014)  
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 [25] EN  
 [54] COMPOSITIONS AND METHODS OF USE OF ARC CAPSIDS  
 [54] COMPOSITIONS ET PROCEDES D'UTILISATION DE CAPSIDES ARC  
 [72] SHEPHERD, JASON D., US  
 [72] DAY, CAMERON, US  
 [72] PASTUZYN, ELISSA, US  
 [71] UNIVERSITY OF UTAH RESEARCH FOUNDATION, US  
 [71] SHEPHERD, JASON D., US  
 [71] DAY, CAMERON, US  
 [71] PASTUZYN, ELISSA, US  
 [85] 2019-11-05  
 [86] 2018-05-10 (PCT/US2018/032105)  
 [87] (WO2018/209113)  
 [30] US (62/504,370) 2017-05-10  
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<p style="text-align: right;"><b>[21] 3,062,616</b> [13] A1</p> <p>[51] Int.Cl. A61K 9/70 (2006.01) A61K 9/00 (2006.01) A61K 31/445 (2006.01) A61K 47/36 (2006.01)</p> <p>[25] EN</p> <p>[54] <b>MICroneedle Percutaneous Patch Containing Donepezil</b></p> <p>[54] <b>Timbre Percutane a Micro-Aiguilles Contenant du Donepezil</b></p> <p>[72] KIM, TAE HYUNG, KR</p> <p>[72] LEE, BOOYONG, KR</p> <p>[72] KIM, JUNG DONG, KR</p> <p>[72] JEONG, DO HYEON, KR</p> <p>[72] SHIN, DONGCHUL, KR</p> <p>[72] HWANG, YONGYOUN, KR</p> <p>[72] NAM, YUN-SUN, KR</p> <p>[72] LEE, JOO HAN, KR</p> <p>[72] AN, EUN JIN, KR</p> <p>[71] BORYUNG PHARMACEUTICAL CO., LTD, KR</p> <p>[71] RAPHAS CO., LTD., KR</p> <p>[85] 2019-11-06</p> <p>[86] 2018-05-16 (PCT/KR2018/005614)</p> <p>[87] (WO2018/212592)</p> <p>[30] KR (10-2017-0062465) 2017-05-19</p>	<p style="text-align: right;"><b>[21] 3,062,618</b> [13] A1</p> <p>[51] Int.Cl. H01F 1/44 (2006.01) E21B 47/005 (2012.01) B06B 1/00 (2006.01) C09K 8/50 (2006.01)</p> <p>[25] EN</p> <p>[54] <b>Logging with Selective Solidification of Annular Material</b></p> <p>[54] <b>Diagraphie avec Solidification Selective de Materiau Annulaire</b></p> <p>[72] CROMAR, STEPHEN, GB</p> <p>[72] MILNE, IAN, GB</p> <p>[71] CONOCOPHILLIPS COMPANY, US</p> <p>[85] 2019-11-06</p> <p>[86] 2018-04-13 (PCT/US2018/027487)</p> <p>[87] (WO2018/204051)</p> <p>[30] US (62/492,510) 2017-05-01</p> <p>[30] US (15/952,499) 2018-04-13</p>	<p style="text-align: right;"><b>[21] 3,062,620</b> [13] A1</p> <p>[51] Int.Cl. G01N 30/90 (2006.01) G01N 30/91 (2006.01)</p> <p>[25] EN</p> <p>[54] <b>The Method of Liquid Delivery to the Adsorbent Layer</b></p> <p>[54] <b>Procede de Distribution de Liquide a la Couche Adsorbante</b></p> <p>[72] DZIDO, TADEUSZ H., PL</p> <p>[72] HALKA-GRYSINSKA, ANETA, PL</p> <p>[72] KLIMEK-TUREK, ANNA, PL</p> <p>[72] GWARDA, RADOSLAW L., PL</p> <p>[71] DZIDO, TADEUSZ H., PL</p> <p>[85] 2019-11-06</p> <p>[86] 2018-05-08 (PCT/PL2018/000046)</p> <p>[87] (WO2018/208180)</p> <p>[30] PL (P.421538) 2017-05-09</p>

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  - [54] SUBSTITUTION DE FLUIDE
  - [72] DRAGE, ANDERS, NO
  - [71] EQUINOR ENERGY AS, NO
  - [85] 2019-11-06
  - [86] 2018-05-11 (PCT/NO2018/050123)
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  - [25] EN
  - [54] CIRCULATING RNA FOR DETECTION, PREDICTION, AND MONITORING OF CANCER
  - [54] ARN CIRCULANT POUR LA DETECTION, LA PREDICTION ET LA SURVEILLANCE DU CANCER
  - [72] RABIZADEH, SHAHROOZ, US
  - [72] SOON-SHIONG, PATRICK, US
  - [72] DANENBERG, KATHLEEN, US
  - [71] NANTOMICS, LLC, US
  - [85] 2019-11-06
  - [86] 2018-05-09 (PCT/US2018/031764)
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- [72] GIBB, JOHN, US
- [71] CONOCOPHILLIPS COMPANY, US
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  - [72] XU, JUN, US
  - [71] PURDUE RESEARCH FOUNDATION, US
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- [54] MACHINE D'APPLICATION D'ENDUIT POUR PNEU ET PROCEDE D'APPLICATION
- [72] ANDERSON, PETER J., US
- [72] HOWARD, CHARLES ANDREW, US
- [71] HOWCO, INC., US
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  - [54] ELEMENT DE FIXATION ET PROCEDE D'INSTALLATION POUR FEUILLES TRES MINCES
  - [72] MALONEY, MICHAEL J., US
  - [72] BENTRIM, BRIAN G., US
  - [71] PENN ENGINEERING & MANUFACTURING CORP., US
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- [54] APPAREIL ET PROCEDE POUR ENROULER UNE BOBINE
- [72] KOTZUR, FRANK W., US
- [71] REELEX PACKAGING SOLUTIONS, INC., US
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- [54] **FORMULATIONS DE COMPLEXES METAL-ACIDE ASCORBIQUE, LEUR OBTENTION ET LEUR UTILISATION**
- [72] AMBROZIAK, KRZYSZTOF, PL  
[72] CZAJA, TADEUSZ, PL  
[72] KARDASZ, HUBERT, PL  
[71] INTERMAG SP. Z O.O., PL  
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- [54] **PROCEDES, SYSTEMES ET SUPPORTS D'AUTHENTIFICATION D'UTILISATEURS A L'AIDE DE SIGNATURES BIOMETRIQUES**
- [72] PHAM, THIEN VAN, US  
[71] SYNERGEX GROUP, US  
[71] TAYLOR, WAYNE, US  
[71] PHAM HOLDINGS, INC., US  
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- [72] DSILVA, SEAN, US  
[72] HYDER, MD NASIM, US  
[72] WIERCINSKI, ROBERT A., US  
[72] SETH, JYOTI, US  
[72] AUSTIN, GREG, US  
[72] FORGEY, CHRISTIAN A., US  
[71] GCP APPLIED TECHNOLOGIES INC., US  
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- [72] CHINNASAMY, CHINS, US  
[72] KERNION, SAMUEL J., US  
[72] FITTERLING, ERIC, US  
[72] POLAR-ROSAS, ALBERTO, US  
[72] WANG, TAO, US  
[71] CRS HOLDINGS, INC., US  
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- [54] **BIOMATERIAUX MEDICAUX ET DENTAIRES MULTIPHASES INTEGRES POUR LA RECONSTRUCTION/REGENERATION D'UN SEUL TISSU OU DE PLUSIEURS TISSUS**
- [72] TAYEBI, LOBAT, US  
[72] DASHTIMOOGHADAM, ERFAN, US  
[72] FAHIMIPOUR, FARAHNAZ, US  
[71] MARQUETTE UNIVERSITY, US  
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- [72] STARKEY, MICHAEL M., US  
[72] LOSAW, JEREMY, US  
[72] PHILPOTT, THOMAS J., US  
[71] BRADLEY FIXTURES CORPORATION, US  
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[54] SYSTEME ET PROCEDE DE CAPTURE D'UN COMPORTEMENT, D'UNE UTILISATION OU D'UNE EXPOSITION D'UN CONTENU D'UN DISPOSITIF MOBILE  
[72] GUNTHER, STEVEN, US  
[72] TILLITT, RUSSELL, US  
[71] EMBEE MOBILE, INC., US  
[85] 2019-11-06  
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[72] PARK, SONHEE C., US  
[72] KYROU, CHRISTOS, US  
[72] IANIRO, TEODORO, US  
[71] SHAKLEE CORPORATION, US  
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[72] ROBBINS, SPENCER W., US  
[72] DORIN, RACHEL M., US  
[71] TERAPORE TECHNOLOGIES, INC., US  
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[72] VAN AROIAN, RAFFI, US  
[72] OSTROFF, GARY, R., US  
[71] UNIVERSITY OF MASSACHUSETTS, US  
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[72] SHEN, JIAN-PING, US  
[72] NORMAN, JASON S., US  
[72] TURK, BRIAN S., US  
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[71] RESEARCH TRIANGLE INSTITUTE, US  
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[71] VINYL TECHNOLOGY, INC., US  
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[72] MARLOWE, CHARLES K., US  
[72] SUN, JIAPING, US  
[71] BAYMEDICA, INC., US  
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[54] COMPOSES POUR LA PREVENTION ET LE TRAITEMENT DE MALADIES ET LEUR UTILISATION  
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[72] TRABER, PETER G., US  
[72] NIR, RAPHAEL, US  
[72] SHECHTER, SHARON, US  
[72] JOHNSON, JOSEPH M., US  
[72] GEORGE, RYAN, US  
[71] GALECTIN SCIENCES, LLC, US  
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[54] COMPOSES POUR LE TRAITEMENT DE TROUBLES DE LA RESISTANCE SYSTEMIQUE A L'INSULINE ET LEUR UTILISATION  
[72] TRABER, PETER G., US  
[72] ZOMER, ELIEZER, US  
[72] SLATE, DEIRDRE, US  
[72] JOHNSON, JOSEPH M., US  
[72] GEORGE, RYAN, US  
[72] SHECHTER, SHARON, US  
[72] NIR, RAPHAEL, US  
[71] GALECTIN SCIENCES, LLC, US  
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[72] AMBROZE, WAYNE, US  
[71] ELLENIAL SURGICAL, LLC, US  
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[72] FINKE, ALAN, US  
[72] ZHOU, XIAOMENG, US  
[72] BUCHBINDER, JOHN ERIC, US  
[72] MOELLER, SCOTT, US  
[72] OFFICER, ROBERT, US  
[71] MSHIFT, INC., US  
[85] 2019-11-06  
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[54] DISPOSITIF, SYSTEME ET MÉTHODES DE SURVEILLANCE D'UN ÉTAT NEUROLOGIQUE FONCTIONNEL  
[72] TSAI, NANCY TREVANIAN, US  
[72] SEMLER, MARK E., US  
[71] MUSC FOUNDATION FOR RESEARCH DEVELOPMENT, US  
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[54] ROCK BOLT WITH RELEASEABLY FIXABLE BUNG  
[54] BOULON D'ANCRAGE A BONDE POUVANT ETRE FIXEE AMOVIBLE  
[72] CROMPTON, BRENDAN ROBERT, ZA  
[71] EPIROC HOLDINGS SOUTH AFRICA (PTY) LTD, ZA  
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[86] 2018-05-30 (PCT/ZA2018/050028)  
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[25] EN  
[54] FILM DOSAGE FORM WITH EXTENDED RELEASE MUCOADHESIVE PARTICLES  
[54] FORME POSOLOGIQUE SOUS FORME DE FILM DOTEE DE PARTICULES MUCOADHESIVES A LIBERATION PROLONGEE  
[72] OBEID, RODOLPHE, CA  
[72] PAIEMENT, NADINE, CA  
[72] GONZALEZ, ERICK, CA  
[71] INTELEGENX CORP., CA  
[85] 2019-11-07  
[86] 2018-05-08 (PCT/CA2018/050542)  
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[25] EN  
[54] LIGNIN DEPOLYMERIZATION PROCESS USING CHEMICALS RECOVERABLE BY THE KRAFT RECOVERY CYCLE  
[54] PROCEDE DE DEPOLYMERISATION DE LIGNINE A L'AIDE DE PRODUITS CHIMIQUES RECUPERABLES PAR LE CYCLE DE RECUPERATION KRAFT  
[72] PALEOLOGOU, MICHAEL, CA  
[72] AHMAD, ZAID, CA  
[72] XU, CHUNBAO, CA  
[71] FPINNOVATIONS, CA  
[85] 2019-11-07  
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[54] PROCEDES POUR DIAGNOSTIQUER UN CANCER A HAUT RISQUE A L'AIDE D'ACIDE POLYSIALIQUE ET D'UN OU DE PLUSIEURS BIOMARQUEURS SPECIFIQUES DE TISSUS  
[72] WILLIAMS, KARLA, CA  
[72] LEONG, HON SING, US  
[71] GLYCA INC., CA  
[85] 2019-11-07  
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[25] EN  
[54] MONITORING SYSTEM FOR GROUNDING APPARATUS  
[54] SYSTEME DE SURVEILLANCE D'UN APPAREIL DE MISE A LA TERRE  
[72] JAHNKE, DAVID A., US  
[72] CUTSFORTH, ROBERT S., US  
[72] CUTSFORTH, DUSTIN L., US  
[71] CUTSFORTH, INC., US  
[85] 2019-11-06  
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[25] EN  
[54] TARGET MEDIATED IN SITU SIGNAL AMPLIFICATION WITH DUAL INTERACTING HAIRPIN PROBES  
[54] AMPLIFICATION DE SIGNAUX IN SITU MEDIEE PAR UNE CIBLE AVEC DES SONDES EN EPINGLE A CHEVEUX A DOUBLE INTERACTION  
[72] TYAGI, SANJAY, US  
[72] MARRAS, SALVATORE A. E., US  
[71] RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY, US  
[85] 2019-11-06  
[86] 2018-05-23 (PCT/US2018/034150)  
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- [25] EN
- [54] SYSTEMS AND METHODS FOR SPECTRAL IDENTIFICATION AND OPTICAL SORTING OF MATERIALS
- [54] SYSTEMES ET PROCEDES D'IDENTIFICATION SPECTRALE ET DE TRI OPTIQUE DE MATERIAUX
- [72] NEIGE, JULIEN, CA
- [72] LORTIE, NATHANIEL, CA
- [72] BRASSARD, ALAIN, CA
- [71] 6511660 CANADA INC., CA
- [85] 2019-11-07
- [86] 2018-05-09 (PCT/CA2018/050552)
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- [25] EN
- [54] EXTRACTION SYSTEM AND APPARATUS AND METHOD THEREOF
- [54] APPAREIL D'EXTRACTION ET APPAREIL ET PROCEDE ASSOCIES
- [72] MARTIN, SEAN HAYDEN, AU
- [72] BARIKBIN, JAMALEDDIN, AU
- [72] PYPER, NICHOLAS JAMES, AU
- [71] GEOGRAPHE ENTERPRISES PTY LTD, AU
- [85] 2019-11-07
- [86] 2018-05-08 (PCT/AU2018/050422)
- [87] (WO2018/204972)
- [30] AU (2017901721) 2017-05-09
- [30] AU (2017903907) 2017-09-26
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- [25] FR
- [54] METHOD FOR THE CONTINUOUS COATING OF FOOD PRODUCTS, IN PARTICULAR FROZEN FOOD PRODUCTS, WITH CONTROLLED ROTOR HEATING
- [54] PROCEDE D'ENROBAGE CONTINU DE PRODUITS ALIMENTAIRES, NOTAMMENT SURGELES, AVEC CHAUFFAGE MAITRISE DE ROTOR(S)
- [72] FABOZZI, SALVATORE, FR
- [72] SENECHAL, SEBASTIEN, FR
- [71] BONDUELLE, FR
- [85] 2019-11-07
- [86] 2018-04-27 (PCT/FR2018/051069)
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- [25] EN
- [54] APPARATUS AND METHOD FOR IN-MOLD SUBSTRATE BINDING TO ARTICLES MANUFACTURED BY INJECTION MOLDING
- [54] APPAREIL ET PROCEDE DE LIAISON D'UN SUBSTRAT DANS LE MOULE A DES ARTICLES FABRIQUES PAR MOULAGE PAR INJECTION
- [72] LONGPRE, YANNICK, CA
- [72] NADEAU, NICOLAS, CA
- [72] THERRIEN, JEAN, CA
- [71] MI INTEGRATION S.E.N.C., CA
- [85] 2019-11-07
- [86] 2017-12-22 (PCT/CA2017/051591)
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- [25] FR
- [54] PHOTONIC CHIP WITH INTEGRATED COLLIMATION STRUCTURE
- [54] PUCE PHOTONIQUE A STRUCTURE DE COLLIMATION INTEGREE
- [72] MENEZO, SYLVIE, FR
- [71] COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES, FR
- [85] 2019-11-07
- [86] 2018-05-16 (PCT/FR2018/051177)
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- [25] EN
- [54] USE OF PHOSPHORYLATED HEPTOSE COMPOUNDS
- [54] UTILISATION DE COMPOSES D'HEPTOSE PHOSPHORYLES
- [72] GRAY-OWEN, SCOTT, CA
- [72] GUO, XINYI, CA
- [72] COX, ANDREW, CA
- [72] SAUVAGEAU, JANELLE, CA
- [71] NATIONAL RESEARCH COUNCIL OF CANADA, CA
- [71] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA
- [85] 2019-11-07
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[54] DYNAMIC SEPARATION SYSTEMS AND METHODS FOR 3D PRINTERS  
[54] SYSTEMES ET PROCEDES DE SEPARATION DYNAMIQUE POUR IMPRIMANTES 3D  
[72] SHEPPARD, DYLAN JAMES, CA  
[72] MARTIN, NICHOLAS, CA  
[72] MILLS, BARRY ALAN, CA  
[71] 3D CURRAX SOLUTIONS INC., CA  
[85] 2019-11-07  
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[25] EN  
[54] METHOD AND APPARATUS FOR DETECTING MODEL SECURITY AND ELECTRONIC DEVICE  
[54] PROCEDE ET APPAREIL DE DETECTION DE SECURITE DE MODELE ET DISPOSITIF ELECTRONIQUE  
[72] XIA, JUPENG, CN  
[72] LI, CAIWEI, CN  
[71] ALIBABA GROUP HOLDING LIMITED, KY  
[85] 2019-11-07  
[86] 2018-09-03 (PCT/CN2018/103730)  
[87] (WO2019/047795)  
[30] CN (201710798683.3) 2017-09-07

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[13] A1

[51] Int.Cl. C23C 4/02 (2006.01) C23C 4/131 (2016.01) C23C 4/08 (2016.01) C23C 4/18 (2006.01)  
[25] EN  
[54] METHOD OF COATING A WORKPIECE  
[54] PROCEDE DE REVETEMENT D'UNE PIECE A USINER  
[72] WALLACE, MICHAEL, GB  
[71] SAFRAN NACELLES LIMITED, GB  
[85] 2019-11-07  
[86] 2018-05-11 (PCT/GB2018/051271)  
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[30] GB (1707690.2) 2017-05-12

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[13] A1

[51] Int.Cl. C12N 15/113 (2010.01) A61P 9/00 (2006.01)  
[25] EN  
[54] LNCRNAs GADLOR 1 AND 2 FOR USE IN TREATING AND PREVENTING CARDIAC REMODELLING  
[54] ARNINC GADLOR 1 ET 2 DANS LE TRAITEMENT ET LA PREVENTION DU REMODELAGE CARDIAQUE  
[72] HEINEKE, JORG, DE  
[72] FROESE, NATALI, DE  
[71] MEDIZINISCHE HOCHSCHULE HANNOVER, DE  
[85] 2019-11-07  
[86] 2018-05-30 (PCT/EP2018/064226)  
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[30] EP (17173818.0) 2017-05-31

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[13] A1

[51] Int.Cl. C08L 23/12 (2006.01) C08L 23/14 (2006.01)  
[25] EN  
[54] LONG CARBON FIBRE REINFORCED POLYPROPYLENE COMPOSITION  
[54] COMPOSITION DE POLYPROPYLENE RENFORCEE PAR DES FIBRES DE CARBONE LONGUES  
[72] LUMMERSTORFER, THOMAS, AT  
[72] STOCKREITER, WOLFGANG, AT  
[72] JERABEK, MICHAEL, AT  
[72] HOCHRADL, STEFAN, AT  
[72] TRANNINGER, MICHAEL, AT  
[71] BOREALIS AG, AT  
[85] 2019-11-07  
[86] 2018-07-26 (PCT/EP2018/070301)  
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[51] Int.Cl. C07K 14/725 (2006.01) C12N 5/0783 (2010.01) A61K 35/17 (2015.01) A61K 31/436 (2006.01) C07K 14/705 (2006.01) C07K 16/28 (2006.01)  
[25] EN  
[54] A CELL COMPRISING A CHIMERIC ANTIGEN RECEPTOR (CAR)  
[54] CELLULE COMPRENANT UN RECEPTEUR ANTIGENIQUE CHIMERIQUE (CAR)  
[72] CORDOBA, SHAUN, GB  
[72] KOKALAKI, EVANGELIA, GB  
[72] PULE, MARTIN, GB  
[72] THOMAS, SIMON, GB  
[72] ONUOHA, SHIMOBI, GB  
[71] AUTOLUS LIMITED, GB  
[85] 2019-11-07  
[86] 2018-05-14 (PCT/GB2018/051293)  
[87] (WO2018/211244)  
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[25] EN  
[54] APPARATUS AND METHOD  
[54] APPAREIL ET PROCEDE  
[72] BOWIE, MALCOLM, GB  
[71] SLLP 134 LIMITED, GB  
[85] 2019-11-07  
[86] 2018-05-15 (PCT/GB2018/051305)  
[87] (WO2018/211254)  
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[25] EN  
[54] METHOD AND APPARATUS WITH AT LEAST TWO EJECTOR STAGES FOR PURIFYING GAS AND USE  
[54] PROCEDE ET APPAREIL COMPRENANT AU MOINS DEUX ETAGES D'EJECTEUR POUR LA PURIFICATION DE GAZ ET UTILISATION  
[72] MELIN, KRISTIAN, FI  
[72] SIMELL, PEKKA, FI  
[72] KURKELA, ESA, FI  
[72] SUOMALAINEN, MARJUT, FI  
[71] TEKNOLOGIAN TUTKIMUSKESKUS VTT OY, FI  
[85] 2019-11-07  
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[25] EN  
[54] PRECIPITATION CATALYST FOR THE HYDROGENATION OF ETHYL ACETATE CONTAINING COPPER ON ZIRCONIA  
[54] CATALYSEUR DE PRECIPITATION POUR L'HYDROGENATION D'ACETATE D'ETHYLE CONTENANT DU CUIVRE SUR DE LA ZIRCONIE  
[72] BORCHERS, SABINE, DE  
[72] SCHROETER, MARIE KATRIN, DE  
[72] MUHLER, MARTIN, DE  
[72] TOELLE, KATHARINA, DE  
[72] POLIERER, SABRINA, DE  
[72] ANKE, SVEN, DE  
[72] SCHITTKOWSKI, JULIAN, DE  
[71] BASF SE, DE  
[85] 2019-11-07  
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[13] A1

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[25] EN  
[54] STABILIZED TWO-PART HEMATOXYLIN SOLUTION UTILIZING PH ADJUSTMENT  
[54] SOLUTION D'HEMATOXYLINE BIPARTITE STABILISEE UTILISANT UN AJUSTEMENT DE PH  
[72] DURRANT, EDWARD E., US  
[72] KOERBER, CHRISTOPHER A., US  
[71] VENTANA MEDICAL SYSTEMS, INC., US  
[85] 2019-11-07  
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[13] A1

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[25] EN  
[54] PRESSURE INTEGRITY TESTING OF ONE-TRIP COMPLETION ASSEMBLY  
[54] ESSAI DE RESISTANCE A LA PRESSION D'UN ENSEMBLE DE COMPLETION A UN SEUL TRAJET  
[72] FRANKLIN, ANDREW, GB  
[72] MURDOCH, EUAN, GB  
[72] MUNRO, CHRISTOPHER, GB  
[71] WEATHERFORD TECHNOLOGY HOLDINGS LLC, US  
[85] 2019-11-07  
[86] 2018-05-22 (PCT/GB2018/051376)  
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[13] A1

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[25] EN  
[54] METHOD OF PRODUCING A PLANT GROWTH SUBSTRATE  
[54] PROCEDE DE PRODUCTION D'UN SUBSTRAT DE CROISSANCE VEGETALE  
[72] LIND, CHARLOTTE, DK  
[72] HJELMGAARD, THOMAS, DK  
[71] ROCKWOOL INTERNATIONAL A/S, DK  
[85] 2019-11-06  
[86] 2017-11-13 (PCT/EP2017/079087)  
[87] (WO2018/206128)  
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[30] EP (PCT/EP2017/061419) 2017-05-11

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<p style="text-align: right;">[21] 3,062,744</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A61K 38/18 (2006.01) A61P 27/16 (2006.01)</p> <p>[25] EN</p> <p>[54] NEUROTROPHINS FOR USE IN THE TREATMENT OF HEARING LOSS</p> <p>[54] NEUROTROPHINES A UTILISER DANS LE TRAITEMENT DE LA PERTE AUDITIVE</p> <p>[72] DE PIZZOL, MARIA, IT</p> <p>[72] ARAMINI, ANDREA, IT</p> <p>[72] SIRICO, ANNA, IT</p> <p>[72] ZIPPOLI, MARA, IT</p> <p>[72] ACERRA, GIUSEPPINA, IT</p> <p>[72] MATTIOLI, SIMONE LUCA, IT</p> <p>[71] DOMPE FARMACEUTICI S.P.A., IT</p> <p>[85] 2019-11-07</p> <p>[86] 2018-05-22 (PCT/EP2018/063310)</p> <p>[87] (WO2018/215414)</p> <p>[30] EP (17172659.9) 2017-05-24</p>
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<p>[72] MEURLING, FREDRIK, SE</p> <p>[72] BERGLUND, TOMAS, SE</p> <p>[72] SUNDSTROM, JOHAN, SE</p> <p>[71] SANDVIK INTELLECTUAL PROPERTY AB, SE</p> <p>[85] 2019-11-07</p> <p>[86] 2018-05-24 (PCT/EP2018/063686)</p> <p>[87] (WO2018/215608)</p> <p>[30] EP (17172708.4) 2017-05-24</p>
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<p style="text-align: right;">[21] 3,062,751</p> <p style="text-align: right;">[13] A1</p> <p>[25] EN</p> <p>[54] A SYSTEM AND METHOD FOR PLAYING MUSIC</p> <p>[54] SYSTEME ET PROCEDE DE LECTURE DE MUSIQUE</p> <p>[72] MUDALIAR, AVINASH, IN</p> <p>[72] WADHWANI, JAI, NA</p> <p>[72] BANERJEE, SIDDHARTH, IN</p> <p>[72] IMCHEN, SUNEP, IN</p> <p>[71] SAREGAMA INDIA LIMITED, IN</p> <p>[85] 2019-10-25</p> <p>[86] 2017-11-02 (PCT/IN2017/050507)</p> <p>[87] (WO2018/167799)</p> <p>[30] IN (201731008787) 2017-03-14</p>
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<p style="text-align: right;">[21] 3,062,752</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A61J 3/06 (2006.01) B29C 64/20 (2017.01)</p> <p>[25] EN</p> <p>[54] SYSTEM AND METHOD FOR PRODUCING PHARMACUTICAL OBJECTS VIA 3D PRINTING</p> <p>[54] SYSTEME ET PROCEDE DE PRODUCTION D'OBJETS PHARMACEUTIQUES PAR IMPRESSION 3D</p> <p>[72] FREIDERIKOS, ACHILLEFS, GR</p> <p>[72] THEODOSOPOULOS, KONSTANTINOS, GR</p> <p>[72] HEINZE, ARNE-PATRIK, DE</p> <p>[71] PHARMAPRINT LIMITED LLC, CH</p> <p>[85] 2019-11-07</p> <p>[86] 2018-05-07 (PCT/EP2018/061707)</p> <p>[87] (WO2018/206497)</p> <p>[30] GR (20170100219) 2017-05-11</p>
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<p>[21] <b>3,062,756</b> [13] A1</p> <p>[51] Int.Cl. C09K 3/00 (2006.01) C08L 1/02 (2006.01) C08L 101/00 (2006.01) D21H 11/18 (2006.01)</p> <p>[25] EN</p> <p>[54] THICKENER, COMPOSITION, AND SHEET</p> <p>[54] AGENT EPAISSANT, COMPOSITION ET FEUILLE</p> <p>[72] FUSHIMI, HAYATO, JP</p> <p>[72] TANAKA, RINA, JP</p> <p>[71] OJI HOLDINGS CORPORATION, JP</p> <p>[85] 2019-10-24</p> <p>[86] 2017-10-03 (PCT/JP2017/035968)</p> <p>[87] (WO2018/198399)</p> <p>[30] JP (PCT/JP2017/016179) 2017-04-24</p>
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<p>[21] <b>3,062,757</b> [13] A1</p> <p>[51] Int.Cl. G01S 13/28 (2006.01) G01S 7/282 (2006.01)</p> <p>[25] EN</p> <p>[54] RADAR DEVICE</p> <p>[54] DISPOSITIF RADAR</p> <p>[72] KITSUKAWA, YUSUKE, JP</p> <p>[72] TAKAHASHI, TORU, JP</p> <p>[71] MITSUBISHI ELECTRIC CORPORATION, JP</p> <p>[85] 2019-10-25</p> <p>[86] 2017-06-08 (PCT/JP2017/021307)</p> <p>[87] (WO2018/225211)</p>
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<p>[21] <b>3,062,758</b> [13] A1</p> <p>[51] Int.Cl. C22C 16/00 (2006.01) B82Y 30/00 (2011.01) B82Y 40/00 (2011.01) C04B 14/04 (2006.01)</p> <p>[25] EN</p> <p>[54] METHODS AND SYSTEMS FOR MAKING NANOCARBON PARTICLE ADMIXTURES AND CONCRETE</p> <p>[54] PROCEDES ET SYSTEMES DE FABRICATION D'ADJUVANTS A PARTICULES DE NANOCARBONE ET DE BETON</p> <p>[72] FULTON, JUSTIN, US</p> <p>[72] SOLOMON, GREGORY H., AU</p> <p>[72] MARMARO, ROGER W., US</p> <p>[72] CAVALIERO, ROBERT, US</p> <p>[72] LARSEN, ALLAN GODSK, DK</p> <p>[72] MEREDITH, SHAWN, US</p> <p>[72] ABATELLI, CHRISTOPHER FLATLEY, US</p> <p>[71] EDEN INNOVATIONS LLC, AU</p> <p>[85] 2019-11-07</p> <p>[86] 2018-04-18 (PCT/US2018/028054)</p> <p>[87] (WO2018/212889)</p> <p>[30] US (15/597,198) 2017-05-17</p>
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<p>[21] <b>3,062,760</b> [13] A1</p> <p>[51] Int.Cl. A61B 5/145 (2006.01) A61B 5/1473 (2006.01) A61B 5/1486 (2006.01) C12Q 1/00 (2006.01) G01N 27/327 (2006.01)</p> <p>[25] EN</p> <p>[54] ANALYTE SENSORS AND METHODS FOR FABRICATING ANALYTE SENSORS</p> <p>[54] CAPTEURS D'ANALYTE ET PROCEDES DE FABRICATION DE CAPTEURS D'ANALYTE</p> <p>[72] VADDIRAJU, SANTHISAGAR, US</p> <p>[72] SLOMSKI, DENNIS, US</p> <p>[72] GIFFORD, RAEANN, US</p> <p>[71] MEDTRONIC MINIMED, INC., US</p> <p>[85] 2019-11-07</p> <p>[86] 2018-02-23 (PCT/US2018/019540)</p> <p>[87] (WO2018/208357)</p> <p>[30] US (62/504,670) 2017-05-11</p> <p>[30] US (15/900,630) 2018-02-20</p> <p>[30] US (15/900,639) 2018-02-20</p>
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<p>[21] <b>3,062,761</b> [13] A1</p> <p>[51] Int.Cl. F01L 7/02 (2006.01) F01L 7/00 (2006.01) F01L 7/06 (2006.01) F16K 7/00 (2006.01) F16K 7/18 (2006.01) F16K 31/04 (2006.01)</p> <p>[25] EN</p> <p>[54] BUCKLING LOOP ROTARY MOTOR</p> <p>[54] MOTEUR ROTATIF A BOUCLE DE FLAMBAGE</p> <p>[72] SHAN, BAOXIANG, US</p> <p>[71] SHAN, BAOXIANG, US</p> <p>[85] 2019-11-07</p> <p>[86] 2018-04-28 (PCT/US2018/030059)</p> <p>[87] (WO2018/212968)</p> <p>[30] US (62/506,199) 2017-05-15</p> <p>[30] US (62/507,300) 2017-05-17</p> <p>[30] US (62/509,102) 2017-05-20</p> <p>[30] US (15/897,334) 2018-02-15</p> <p>[30] US (62/506,828) 2017-05-16</p>
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<p style="text-align: right;"><b>[21] 3,062,762</b> [13] A1</p> <p>[51] Int.Cl. C22C 14/00 (2006.01) C22F 1/18 (2006.01) [25] EN [54] TITANIUM ALLOY SHEET MATERIAL FOR LOW TEMPERATURE SUPERPLASTIC FORMING [54] MATERIAU EN FEUILLE A BASE D'ALLIAGE DE TITANE POUR DEFORMATION SUPERPLASTIQUE A BASSE TEMPERATURE [72] LEDER, MIKHAIL OTTOVICH, RU [72] PUZAKOV, IGOR YURIEVICH, RU [72] TARENKOVA, NATALIA YURYEVNA, RU [72] BERESTOV, ALEXANDER VLADIMIROVICH, RU [72] MITROPOLSKAYA, NATALIA GEORGIEVNA, RU [72] BRIGGS, ROBERT DAVID, US [71] PUBLIC STOCK COMPANY "VSMPO-AVISMA CORPORATION", RU [71] THE BOEING COMPANY, US [85] 2019-10-24 [86] 2017-04-25 (PCT/RU2017/000266) [87] (WO2018/199791)</p>	<p style="text-align: right;"><b>[21] 3,062,764</b> [13] A1</p> <p>[51] Int.Cl. A61K 31/4188 (2006.01) A61K 9/00 (2006.01) [25] EN [54] TEMOZOLOMIDE POWDER FORMULATION [54] FORMULATION DE POUDRE DE TEMOZOLOMIDE [72] PAYTON, GARY, US [72] BRYANT, JEFF, US [71] AMPLIPHARM PHARMACEUTICALS, LLC, US [85] 2019-10-25 [86] 2017-04-28 (PCT/US2017/030112) [87] (WO2017/189995) [30] US (62/328,929) 2016-04-28</p>	<p style="text-align: right;"><b>[21] 3,062,769</b> [13] A1</p> <p>[51] Int.Cl. H04H 20/22 (2009.01) H04H 60/40 (2009.01) H04N 21/2343 (2011.01) [25] EN [54] RECEPTION APPARATUS, RECEPTION METHOD, TRANSMISSION APPARATUS, AND TRANSMISSION METHOD [54] APPAREIL DE RECEPTION, PROCEDE DE RECEPTION, APPAREIL DE TRANSMISSION ET PROCEDE DE TRANSMISSION [72] KITAHARA, JUN, JP [71] SONY CORPORATION, JP [85] 2019-11-07 [86] 2018-05-02 (PCT/JP2018/017494) [87] (WO2018/211989) [30] JP (2017-098085) 2017-05-17</p>
<p style="text-align: right;"><b>[21] 3,062,763</b> [13] A1</p> <p>[51] Int.Cl. G01N 33/50 (2006.01) G01N 33/53 (2006.01) [25] EN [54] DIAGNOSTIC BIOMARKERS FOR DETECTING, SUBTYPING, AND/OR ASSESSING PROGRESSION OF MULTIPLE SCLEROSIS [54] BIOMARQUEURS DE DIAGNOSTIC POUR LA DETECTION, LE SOUS-TYPAGE ET/OU L'EVALUATION DE LA PROGRESSION DE LA SCLEROSE EN PLAQUES [72] NAGELE, ROBERT G., US [71] ROWAN UNIVERSITY, US [85] 2019-11-07 [86] 2018-05-10 (PCT/US2018/032130) [87] (WO2018/209126) [30] US (62/504,130) 2017-05-10</p>	<p style="text-align: right;"><b>[21] 3,062,765</b> [13] A1</p> <p>[51] Int.Cl. B60T 17/10 (2006.01) B60T 13/26 (2006.01) B60T 15/18 (2006.01) B60T 15/24 (2006.01) B60T 15/36 (2006.01) [25] EN [54] TRACTOR PROTECTION VALVE [54] VALVE DE SECURITE DU TRACTEUR [72] KOELZER, ROBERT L., US [72] YOUNG, RANDY, US [71] HALDEX BRAKE PRODUCTS CORPORATION, US [85] 2019-11-07 [86] 2018-04-30 (PCT/US2018/030180) [87] (WO2018/208525) [30] US (15/590,388) 2017-05-09</p>	<p style="text-align: right;"><b>[21] 3,062,775</b> [13] A1</p> <p>[51] Int.Cl. G06F 21/30 (2013.01) G06F 21/60 (2013.01) H04L 29/06 (2006.01) H04L 29/08 (2006.01) [25] EN [54] MANAGING VERIFICATION REPOSITORIES TO FACILITATE REAL-TIME SERVICING OF VERIFICATION QUERIES [54] GESTION DE REFERENTIELS DE VERIFICATION PERMETTANT DE FACILITER UN TRAITEMENT EN TEMPS REEL D'INTERROGATIONS DE VERIFICATION [72] BLOOMQUIST, ERIC, US [72] WHITTENBERG, CHAD, US [72] BERTOLINO, MARTIN, US [71] EQUIFAX, INC., US [71] BLOOMQUIST, ERIC, US [71] WHITTENBERG, CHAD, US [71] BERTOLINO, MARTIN, US [85] 2019-10-25 [86] 2017-04-28 (PCT/US2017/030196) [87] (WO2018/199992)</p>
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[21] **3,062,777**  
[13] A1

[51] Int.Cl. A61F 9/08 (2006.01) H04N 13/20 (2018.01) G02B 27/01 (2006.01)  
[25] EN  
[54] EYE PROJECTION SYSTEMS AND METHODS WITH FOCUSING MANAGEMENT  
[54] SYSTEMES ET PROCEDES DE PROJECTION OCULAIRE AVEC GESTION DE MISE AU POINT  
[72] GREENBERG, BORIS, IL  
[71] EYEWAY VISION LTD., IL  
[85] 2019-11-07  
[86] 2018-05-28 (PCT/IL2018/050582)  
[87] (WO2018/220625)  
[30] IL (252585) 2017-05-29

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[21] **3,062,778**  
[13] A1

[51] Int.Cl. G01N 27/30 (2006.01) G01N 27/333 (2006.01) G01N 27/416 (2006.01)  
[25] EN  
[54] INTERNAL ELECTROLYTE LAYER COMPRISING CARBON PASTE FOR POTENTIOMETRIC ION SELECTIVE ELECTRODE  
[54] COUCHE D'ELECTROLYTE INTERNE COMPRENANT UNE PATE DE CARBONE POUR ELECTRODE SELECTIVE D'IONS POTENTIOMETRIQUE  
[72] ZHANG, WEI, US  
[72] BERGQUIST, ROBERT, US  
[72] DOLATY, AMIR, US  
[72] ANDRADE, TODD, US  
[72] WHITTAKER, AMANDA, US  
[71] SIEMENS HEALTHCARE DIAGNOSTICS INC., US  
[85] 2019-11-07  
[86] 2018-05-08 (PCT/US2018/031541)  
[87] (WO2018/208742)  
[30] US (62/503,588) 2017-05-09

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[21] **3,062,779**  
[13] A1

[51] Int.Cl. B60C 23/00 (2006.01) B60C 23/10 (2006.01) F16K 15/04 (2006.01) F16K 17/36 (2006.01) B60C 23/04 (2006.01) B60C 23/16 (2006.01)  
[25] EN  
[54] AIR INDUCTION SYSTEM FOR A WHEEL BASED SELF INFLATION TIRE SYSTEM  
[54] SYSTEME D'INDUCTION D'AIR POUR UN SYSTEME DE PNEU A GONFLAGE AUTOMATIQUE REPOSANT SUR UNE ROUE  
[72] ABDEL-BASET, TAREK, CA  
[71] FCA US LLC, US  
[85] 2019-11-07  
[86] 2018-05-08 (PCT/US2018/031607)  
[87] (WO2018/208781)  
[30] US (62/503,062) 2017-05-08

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[21] **3,062,780**  
[13] A1

[51] Int.Cl. G01C 21/34 (2006.01) G06Q 50/30 (2012.01) B60W 30/06 (2006.01) G08G 1/00 (2006.01)  
[25] EN  
[54] MOBILE DEVICE FOR AUTONOMOUS VEHICLE ENHANCEMENT SYSTEM  
[54] DISPOSITIF MOBILE POUR SYSTEME D'AMELIORATION DE VEHICULE AUTONOME  
[72] CHASE, ARNOLD, US  
[72] CHASE, WILLIAM, US  
[71] CHASE, ARNOLD, US  
[71] CHASE, WILLIAM, US  
[85] 2019-11-07  
[86] 2018-05-08 (PCT/US2018/031647)  
[87] (WO2018/208815)  
[30] US (62/502,817) 2017-05-08

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[21] **3,062,781**  
[13] A1

[51] Int.Cl. C12N 5/0735 (2010.01)  
[25] EN  
[54] ACCELERATION OF STEM CELL DIFFERENTIATION  
[54] ACCELERATION DE LA DIFFERENCIATION DE CELLULES SOUCHES  
[72] WALSH, PATRICK JOSEPH, US  
[72] DUTTON, JAMES ROBERT, US  
[72] PARR, ANN MARGARET, US  
[71] REGENTS OF THE UNIVERSITY OF MINNESOTA, US  
[85] 2019-11-07  
[86] 2018-05-08 (PCT/US2018/031673)  
[87] (WO2018/208836)  
[30] US (62/503,088) 2017-05-08

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[21] **3,062,782**  
[13] A1

[51] Int.Cl. C01B 13/11 (2006.01)  
[25] EN  
[54] OZONE GENERATOR  
[54] PRODUCTEUR D'OZONE  
[72] MORITANI, KANAKO, JP  
[72] MURATA, TAKAAKI, JP  
[72] OKITA, YUJI, JP  
[72] KUBO, KIE, JP  
[71] KABUSHIKI KAISHA TOSHIBA, JP  
[71] TOSHIBA INFRASTRUCTURE SYSTEMS & SOLUTIONS CORPORATION, JP  
[85] 2019-11-07  
[86] 2018-03-19 (PCT/JP2018/010837)  
[87] (WO2018/207467)  
[30] JP (2017-092379) 2017-05-08

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[21] **3,062,784**  
[13] A1

[51] Int.Cl. H01P 5/18 (2006.01) H01P 1/213 (2006.01) H01P 3/12 (2006.01)  
[25] EN  
[54] DIRECTIONAL COUPLER, WAVEGUIDE DEVICE, AND DIPLEXER  
[54] COUPLEUR DIRECTIONNEL, DISPOSITIF DE GUIDE D'ONDES ET DIPLEXEUR  
[72] UEMICHI, YUSUKE, JP  
[71] FUJIKURA LTD., JP  
[85] 2019-11-07  
[86] 2018-04-27 (PCT/JP2018/017133)  
[87] (WO2018/207655)  
[30] JP (2017-093048) 2017-05-09

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[21] <b>3,062,785</b> [13] A1 [51] Int.Cl. B01D 17/04 (2006.01) [25] EN [54] DEMULSIFIER OR WATER CLARIFIER ACTIVITY MODIFIERS [54] MODIFICATEURS D'ACTIVITE DE DESEMULSIONNEUR OU DE CLARIFICATEUR D'EAU [72] BENNETT, GEOFF, CA [72] BEHLES, JACQUELINE, CA [72] STEWART, SEAN, CA [71] BAKER HUGHES, A GE COMPANY, LLC, US [85] 2019-11-07 [86] 2018-05-09 (PCT/US2018/031805) [87] (WO2018/208918) [30] US (62/503,698) 2017-05-09 [30] US (15/974,383) 2018-05-08
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[21] <b>3,062,789</b> [13] A1 [51] Int.Cl. C07C 227/16 (2006.01) C07C 229/48 (2006.01) [25] EN [54] PRODUCTION METHOD FOR 1-AMINO CYCLOPROPANE CARBOXYLIC ACID NONHYDRATE [54] PROCEDE DE FABRICATION D'UN ANHYDRATE D'ACIDE 1-AMINOCYCLOPROPANE CARBOXYLIQUE [72] KAWAMURA, MITSUNOBU, JP [72] OKAMOTO, HIROAKI, JP [71] SUMITOMO CHEMICAL COMPANY, LIMITED, JP [85] 2019-11-07 [86] 2018-05-02 (PCT/JP2018/017481) [87] (WO2018/207693) [30] JP (2017-092614) 2017-05-08
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[21] <b>3,062,807</b> [13] A1 [51] Int.Cl. H04W 24/00 (2009.01) [25] EN [54] METHOD FOR TRANSMITTING SIGNAL, NETWORK DEVICE AND TERMINAL DEVICE [54] PROCEDE DE TRANSMISSION DE SIGNAL, DISPOSITIF DE RESEAU ET DISPOSITIF TERMINAL [72] TANG, HAI, CN [72] XU, HUA, CA [71] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN [85] 2019-10-24 [86] 2017-05-02 (PCT/CN2017/082767) [87] (WO2018/201295)
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[21] <b>3,062,808</b> [13] A1 [51] Int.Cl. H04L 1/16 (2006.01) H04W 72/04 (2009.01) [25] EN [54] CONTROL INFORMATION TRANSMISSION METHOD, TERMINAL DEVICE, AND NETWORK DEVICE [54] PROCEDE DE COMMANDE DE TRANSMISSION D'INFORMATIONS, DISPOSITIF TERMINAL ET DISPOSITIF RESEAU [72] LI, CHAOJUN, CN [72] CHENG, YAN, CN [72] SHAO, JIAFENG, CN [72] MA, SHA, CN [71] HUAWEI TECHNOLOGIES CO., LTD., CN [85] 2019-10-24 [86] 2017-05-04 (PCT/CN2017/082988) [87] (WO2018/201369)
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[21] <b>3,062,809</b> [13] A1 [51] Int.Cl. A24F 47/00 (2006.01) [25] EN [54] COMPOSITE CERAMIC ATOMIZER AND METHOD OF PREPARING THE SAME [54] ATOMISEUR CERAMIQUE COMPOSITE ET SON PROCEDE DE PREPARATION [72] LIU, BING, CN [72] CHEN, YIKUN, CN [72] LUO, CHENGHAO, CN [72] LIU, HUACHEN, CN [72] KE, WEICHANG, CN [72] QI, FUYOU, CN [72] DENG, TENGFEI, CN [71] HUBEI CHINA TOBACCO INDUSTRY CO., LTD., CN [85] 2019-10-24 [86] 2017-06-14 (PCT/CN2017/088245) [87] (WO2018/201561) [30] CN (201710310965.4) 2017-05-05
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[21] <b>3,062,812</b> [13] A1 [51] Int.Cl. A61K 9/107 (2006.01) A61K 9/51 (2006.01) [25] EN [54] METHOD FOR SOLUBILIZING POORLY WATER-SOLUBLE DIETARY SUPPLEMENTS AND PHARMACEUTICALLY ACTIVE AGENTS [54] PROCEDE DE SOLUBILISATION DE COMPLEMENTS ALIMENTAIRES PEU SOLUBLES DANS L'EAU ET D'AGENTS PHARMACEUTIQUEMENT ACTIFS [72] SAAR, INGO, DE [72] BRYSCHE, WOLFGANG, DE [72] VON WEGERER, JORG, DE [71] ATHENION AG, CH [85] 2019-10-24 [86] 2017-08-30 (PCT/EP2017/001028) [87] (WO2018/046120) [30] EP (16001941.0) 2016-09-06
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# **Canadian Divisional and Previously Unavailable Applications Open to Public Inspection**

## **Demandes canadiennes apparentées par division et demandes mises à la disponibilité du public non disponibles auparavant**

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[21] **3,042,356**

[13] A1

[51] Int.Cl. H04L 12/24 (2006.01) H04W 8/16 (2009.01) H04W 76/14 (2018.01) A23L 2/00 (2006.01) A23L 3/00 (2006.01) C12M 1/34 (2006.01) G06F 15/00 (2006.01) H04L 9/06 (2006.01) H04L 12/22 (2006.01)

[25] EN

[54] FAMS

[54]

[72] UNKNOWN, XX

[71] MARSHALL, JASON, CA

[22] 2019-05-06

[41] 2019-11-07

[30] US (62/667,626) 2018-05-07

[30] US (62/844,092) 2019-05-06

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[21] **3,058,994**

[13] A1

[51] Int.Cl. H01M 4/64 (2006.01) H01G 11/08 (2013.01) H01G 4/232 (2006.01) H01M 2/26 (2006.01) H01M 6/02 (2006.01) H01M 10/02 (2006.01)

[25] EN

[54] RESERVE POWER SUPPLY WITH ELECTRODE PLATES CLIPPING WITH AUXILIARY CONDUCTORS

[54] ALIMENTATION DE SECOURS AVEC PLAQUES D'ELECTRODE CLIPSEES A DES CONDUCTEURS AUXILIAIRES

[72] YANG, TAI-HER, CN

[71] YANG, TAI-HER, CN

[22] 2010-11-23

[41] 2011-05-30

[62] 2,722,712

[30] US (12/627,181) 2009-11-30

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[21] **3,058,998**

[13] A1

[51] Int.Cl. G10L 21/0364 (2013.01) G10L 19/032 (2013.01) G10L 21/038 (2013.01)

[25] EN

[54] SYSTEMS AND METHODS OF PERFORMING NOISE MODULATION AND GAIN ADJUSTMENT

[54] SYSTEMES ET PROCEDES D'EXECUTION D'UNE MODULATION DE BRUIT ET D'UN REGLAGE DE PUISSANCE

[72] ATTI, VENKATRAMAN SRINIVASA, US

[72] KRISHNAN, VENKATESH, US

[71] QUALCOMM INCORPORATED, US

[22] 2013-08-29

[41] 2014-08-14

[62] 2,896,965

[30] US (61/762810) 2013-02-08

[30] US (14/012749) 2013-08-28

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[21] **3,060,768**

[13] A1

[51] Int.Cl. F16B 37/00 (2006.01) F16B 5/00 (2006.01) F16B 37/08 (2006.01) F16B 33/02 (2006.01)

[25] EN

[54] FASTENING DEVICES FOR EXPLOSION-PROOF ENCLOSURES

[54] DISPOSITIFS DE FIXATION POUR ENCEINTES ANTIDEFLAGRANTES

[72] MANAHAN, JOSEPH MICHAEL, US

[71] EATON INTELLIGENT POWER LIMITED, IE

[22] 2013-03-11

[41] 2013-11-07

[62] 2,871,884

[30] US (61/640,827) 2012-05-01

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AHMAD, SALEEM	3,062,602	ALMOHSIN, AYMAN	3,062,722	RESOURCES	
AHMAD, ZAID	3,062,705	MOHAMMED	3,062,432	CORPORATION	3,062,607
		ALON, MERON	3,062,415	APPS, STEPHEN DAVID	3,062,118
			3,062,430	APPS, STEPHEN DAVID	3,062,397
			3,062,455	APPS, STEPHEN DAVID	3,062,604
				ARAMINI, ANDREA	3,062,744
				ARAUJO, JACK	3,062,404
			3,062,132	ARAZOE, TAKAYUKI	3,057,432
			3,062,254		

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ARIXA PHARMACEUTICALS, INC.	3,062,619	BAVARIAN NORDIC A/S	3,062,549	BLENNOW, BENGT PETER GUSTAV	3,062,441
ARKEMA INC.	3,062,417	BAYER	3,061,988	BLIN, PATRICK	3,061,951
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ARNDT, MARTIN	3,060,329	BAYER CROPSCIENCE	3,062,225	GROUP INC. DBA	
ARNDT, MARTIN	3,062,501	AKTIENGESELLSCHAFT	3,062,645	BLOCKCHAIN	
ASCENSIA DIABETES CARE HOLDINGS AG	3,062,586	BAYMEDICA, INC.	3,062,174	INTELLIGENCE GROUP	3,062,383
ASHAB, HUSSAM AL-DEEN	3,062,716	BEAN, GORDON	3,062,698	BLOOMQUIST, ERIC	3,062,775
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ASHER, RON	3,062,459	BEATSON, RICHARD		BOCCAZZI, PAOLO	3,061,984
ASOCIACION CENTRO DE INVESTIGACION COOPERATIVA EN BIOCIENCIAS-CIC BIOGE	3,062,736	BEBBINGTON, CHRISTOPHER ROBERT	3,062,415	BOCKENSTEDT, CRAIG	3,062,396
ASSAF, GEORGES	3,062,533	BEBBINGTON, CHRISTOPHER ROBERT	3,062,430	BOEHME, DAVID JOHN	3,062,204
ATHENION AG	3,062,812	BECKER, MATTHEW	3,062,446	BOEHMER, NICO	3,062,384
ATLAS COPCO AIRPOWER, NAAMLOZE VENNOOTSCHAP	3,062,264	BECKER, TOBIAS	3,062,435	BOGAERT, THEOPHILUS	3,061,640
AUGMANITY NANO LTD	3,062,250	BECKHOLT, DENNIS ALLEN	3,062,448	BOGART, ELIJAH	3,062,067
AULD, JACK ROBERT	3,061,882	BECKMAN, NATHAN THOMAS	3,062,182	BOHL, MICHAEL	3,062,268
AUSTIN, GREG	3,062,630	BECKMANN, KARSTEN	3,062,424	BOJANOWSKI, BARTOSZ	3,062,613
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A^3 BY AIRBUS, LLC	3,062,578	BEITZ, MANUEL	3,062,389	BONDARENKO, PAVEL	3,062,194
B CELL DESIGN	3,062,233	BENJAMIN, WENDY	3,062,160	BONETTI, FRANCESCO	3,062,711
BAADSGAARD, OLE	3,062,335	BENNETT, ERIC M.	3,061,986	BORCHERS, SABINE	3,062,508
BABAEI, ALIREZA	3,061,958	BENNETT, GEOFF	3,062,785	BOREALIS AG	3,062,731
BABAEI, ALIREZA	3,061,962	BENTRIM, BRIAN G.	3,062,626	BORODY, THOMAS JULIUS	3,062,726
BACHELET, IDO	3,062,250	BERASI, STEPHEN	3,061,986	BORSARI, MAURIZIO	3,062,103
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BAE SYSTEMS PLC	3,062,604	BERGMAN, CARL L.	3,062,539	BOSCO, VALENTINO	3,062,162
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BAKER, DARRYL	3,062,379	BERRERA, MARCO	3,062,590	CORPORATION	3,061,986
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BALDI, GIOVANNI	3,062,596	BERTINI, PAOLO	3,061,969	VLASTIMIL	3,062,202
BAMMERLIN, MARTIN	3,062,576	BERTOLINO, MARTIN	3,062,775	BOUCHAL, ROBERT	
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BANERJI, UDAI	3,062,552	BESLER, ROBERT	3,062,469	BOUCKE, EDDY ALBERIC	3,062,561
BAPTISTA DE REZENDE NETO, JOAO	3,062,568	BESPALOV, ANTON	3,062,452	BOGUETTAYA, MOHAMED	3,062,380
BARATZ, ADAM	3,062,068	BETTERGUARDS		BOWIE, MALCOLM	3,062,729
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BARIKBIN, JAMALEDDIN	3,062,710	BETULIUM OY	3,062,261	BOYE, SANFORD L.	3,061,955
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		BL TECHNOLOGIES, INC.	3,062,599	BREUNINGER, JAMES M.	3,062,074
		BLAIR, WADE	3,062,591	BRIGGS, ROBERT DAVID	3,062,762
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BUSCHINGER, OSCAR	3,062,715	CHAN, MIN LI	3,062,061	COLOROBBIA CONSULTING S.R.L.	3,062,596
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BUSKER, KAI	3,062,472	CHANG, FAKUEN FRANK	3,062,206	ATOMIQUE ET AUX ENERGIES	
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CAI, HONG	3,062,287	CHANNELFIX.COM LLC	3,061,948	CONOCOPHILLIPS COMPANY	3,062,569
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EID, ELLIOT D.	3,061,953	FAN, XUEPING	3,061,986	FPINNOVATIONS	3,062,705
EIDETIC COMMUNICATIONS INC.	3,062,336	FAN, YI	3,062,479	FRAMPTON, CHAD S.	3,061,966
EKUNDAYO, OLUFUNMILAYO R.	3,062,189	FARMER, ROB	3,062,077	FRANCHEK, MATTHEW ALBERT	3,062,058
EL SAYED, KARYM	3,061,988	FARMER, SEAN	3,062,432	FRANKE TECHNOLOGY AND TRADEMARK LTD	3,062,597
ELGART, DAVID	3,062,550	FARR, STEPHEN J.	3,062,247	FRANKLIN, ANDREW	3,062,734
ELIASSEN, SIVERT	3,062,095	FAXER, SEBASTIAN	3,062,569	FREDLUND, JENNIFER	3,061,984
ELLENIAL SURGICAL, LLC	3,062,650	FCA US LLC	3,062,197	FREIDERIKOS, ACHILLEFS	3,062,752
ELLIOTT, GLENN	3,062,351	FEDERER, JOHANNES	3,062,779	FRENNE, MATTIAS	3,062,197
ELMORE, MARK	3,062,540	FEI, YONGQIANG	3,062,414	FREUND, JOHN	3,062,619
ELTIS, LINDSAY	3,062,593	FENG, LING	3,062,370	FRIEDRICH-SCHILLER- UNIVERSITAT JENA	3,062,038
ELWELL, ROBERT	3,062,274	FERNANDEZ CARVAJAL, ASIA	3,062,592	FRIEHAUF, KYLE	3,062,569
EMBEE MOBILE, INC.	3,062,634	FERRANTE, ANTHONY A.	3,062,412	FROESE, NATALI	3,062,724
EMBRY, CARL W.	3,062,453	FERRER MONTIEL, ANTONIO VICENTE	3,062,592	FRY, TERRY J.	3,062,433
EMSLANDER, JEFFREY O.	3,062,401	FG INNOVATION COMPANY LIMITED	3,062,278	FRYDRYCHEWICZ, ARTUR	3,062,759
ENAJARVI, JUKKA	3,062,257	FG INNOVATION COMPANY LIMITED	3,062,307	FUJIAN COSUNTER PHARMACEUTICAL CO., LTD.	3,062,499
ENCYCLE THERAPEUTICS, INC.	3,062,385	FIDESSA TRADING UK LIMITED	3,062,293	FUJIKURA LTD.	3,062,784
ENDRISS, FRANK	3,062,606	FIDIA FARMACEUTICI S.P.A.	3,062,556	FUJIMURA, YASUSHI	3,062,753
ENGLE, JOSEPH	3,062,545	FIERLBECK, JOHANN	3,062,582	FUKUTA, AKIKO	3,062,753
ENGLERT, CHRISTOPH	3,062,038	FINAN, DANIEL	3,062,078	FULLER, TIMOTHY	3,062,168
EPIROC HOLDINGS SOUTH AFRICA (PTY) LTD	3,062,703	FINKE, ALAN	3,062,651	FULTON, JUSTIN	3,062,758
EPISURF IP-MANAGEMENT AB	3,062,477	FIORENTINO, LUIGI	3,062,164	FUMAGALLI, MATTEO	3,061,969
EPSTEIN, MICHAEL	3,062,615	FISCHER, JEAN-BERNARD	3,062,231	FUNCH-NIELSEN, HELLE	3,056,858
EQUIFAX, INC.	3,062,775	FISCHER, STEPHAN	3,062,424	FUSHIMI, HAYATO	3,062,756
EQUINOR ENERGY AS	3,062,621	FISHER CONTROLS		FUSION PHARMACEUTICALS INC.	3,062,553
ERCA	3,062,088	FITTERLING, ERIC	3,062,273	GAAL, PETER	3,062,375
ERHO, NICHOLAS	3,062,716	FITZGERALD, CHRISTOPHER F.	3,062,631	GABBIADINI, SERENA	3,061,969
ERICHSEN, GLENN A.	3,062,081	FIVE PRIME THERAPEUTICS, INC.	3,062,481	GABRILOVICH, SHLOMO	3,062,063
ERNST, MARTIN	3,061,843	FLAGSHIP PIONEERING	3,062,177	GAEFKE, GERALD	3,062,395
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ESOPTRA, N.V.	3,062,252	FMC CORPORATION	3,062,426	GAISER, ANDRE	3,062,372
ESTERER, CHRISTOPHER	3,062,451	FOLLCUM AB	3,062,268	GALECTIN SCIENCES, LLC	3,062,648
ETNA-TEC, LTD	3,062,444	FONDATION ISTITUTO ITALIANO DI	3,062,376	GALECTIN SCIENCES, LLC	3,062,649
EVELETH, DAVID	3,062,473	FORGEY, CHRISTIAN A.	3,062,081	GALER, BRADLEY	3,062,247
EXCIVA GMBH	3,062,452	FONTEINE ENGINEERING	3,062,159	GALLOP, MARK A.	3,062,619
EXCONDE, ELIZALDE	3,062,073	FONTEINE, DOMINIQUE	3,062,135	GALLUP, COURTNEY	3,061,944
EXHALATION TECHNOLOGY LIMITED	3,056,858	FONTEINE, PASCAL	3,061,935	GALLUP, COURTNEY	3,061,947
EXXONMOBIL CHEMICAL PATENTS INC.	3,062,425	FORNERA, TAZIO	3,062,260	GALLUP, COURTNEY	3,062,162
EXXONMOBIL RESEARCH AND ENGINEERING COMPANY	3,061,843	FORNOF, ANN R.	3,061,984	GALM, ANDRE	3,062,576
EYEWAY VISION LTD	3,062,740	FORREST, WILLIAM P., JR.	3,062,376	GAMMADELTA	
EYEWAY VISION LTD.	3,062,558	FORTE, IAN	3,062,081	THERAPEUTICS LIMITED	3,062,386
EYEWAY VISION LTD.	3,062,777	Fontaine, Dominique	3,062,159	GANDOLFI, NICOLA	3,062,253
EZEOKE, MAURICE	3,062,379	Fontaine, Pascal	3,062,135	GANDOLFI, NICOLA	3,062,256
F.HOFFMANN-LA ROCHE AG	3,062,590	Forgey, Christian A.	3,061,935	GANDOLFI, NICOLA	3,062,258
FABOZZI, SALVATORE	3,062,711	Fontaine, Arthur Muir, III	3,062,260	GANESAN, ANAND	3,062,260
FABRIS, VALCIR	3,062,367	Fontaine, Engineering	3,061,984	GAO, CAIXIA	3,062,475
FAHIMPOUR, FARAHNAZ	3,062,632	Fontaine, Dominique	3,062,106	GAO, HUILAN	3,061,986
FAIRCHILD FASTENERS EUROPE - VSD GMBH	3,062,221	Fontaine, Pascal	3,062,106	GAO, SHIWEI	3,062,197
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		Fornof, Ann R.	3,062,401	GARCIA-RAMIREZ, RAFAEL	3,062,401
		Forrest, William P., Jr.	3,062,160	GARRIGUS, PETER	3,061,989
		Fontaine, Ian	3,062,344	GASS, JENNIFER L.	3,062,586
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				GAUDETTE, DARRELL	3,062,036

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GE OIL & GAS PRESSURE CONTROL LP	3,062,168	GOTTSCHALK, KLAUS	3,062,092	HAMILTON, MICHAEL	3,062,700
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GEN-PROBE INCORPORATED	3,062,075	GRANGER, COLIN	3,062,274	HANANI, NITAI	3,062,611
GENAZZANI, ARMANDO	3,062,592	GRANT, SARAH SCHMIDT	3,062,179	HANDEREK TECHNOLOGIES	
GENERAL FUSION INC.	3,062,209	GRANT, STEPHEN	3,062,197	SP. Z O.O.	3,062,270
GENERAL FUSION, INC.	3,062,202	GRAY-OWEN, SCOTT	3,062,714	HANDEREK, ADAM	3,062,270
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GENESIS ROBOTICS AND MOTION TECHNOLOGIES CANADA, ULC	3,062,451	GREENBERG, BORIS	3,062,558	HANNUKAINEN, HEIKKI	3,062,610
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GIBSON, MOLLY KRISANN	3,062,426	GRIMMLER, MATTHIAS	3,062,435	HARDY, MARK	3,062,453
GIFFORD, RAEANN	3,062,760	GRIPPLE LIMITED	3,062,363	HARKESS, ROGER A.	3,061,953
GILBARCO INC.	3,062,079	GRISONI, LAURENT	3,062,288	HARRISON, DORIAN	3,062,599
GILBOA, HADAR	3,062,611	GRITSTONE ONCOLOGY, INC.	3,062,591	HARRISON, ROBERT MARK	3,062,197
GILL, ADRIAN LIAM	3,061,907	GROSSO, DAVID	3,062,301	HARTLEY, BRIGHAM JAY	3,062,426
GILL, MATT	3,062,045	GROVES, WILLIAM H., JR.	3,062,178	HASEGAWA, HIROAKI	3,062,753
GILLIS, TIMOTHY F.	3,062,481	GROZ-BECKERT KG	3,062,606	HASHISH, MOHAMED	3,062,081
GINER LIFE SCIENCES, INC.	3,062,412	GRUBER, LEWIS S.	3,062,082	HAUSLADEN, KYLE	
GIRAUD, FREDERIC	3,062,288	GRUEEBLER, RETO	3,062,114	ANTHONY	3,062,273
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GNASS, BEATE	3,062,391	GUNTHER, STEVEN	3,062,634	HECKLER, RYAN	3,062,567
GNASS, BEATE	3,062,392	GUO, XINYI	3,062,807	HECKLER, RYAN	3,062,570
GNASS, BEATE	3,062,395	GUO, ZHIHENG	3,062,714	HEADS UP TRAINER INC.	3,062,562
GNASS, BEATE	3,062,406	GUPTA, RAGHUBIR	3,062,639	HEEGER, STEFFEN	3,062,400
GOJO INDUSTRIES, INC.	3,061,904	GUPTA, SAGAR	3,062,660	HEILAND, TERI	3,062,950
GOLDMAN SACHS & CO. LLC	3,062,137	GUTHRIE, MARK J.	3,062,481	HEINE, VIVI MAJELLA	3,062,255
GOMES, BARBARA	3,062,050	GWARDA, RADOSLAW L.	3,062,620	HEINEKE, JORG	3,062,724
GOMES, SANDY M.	3,062,550	HAGEDORN, PETER	3,062,384	HEINZE, ARNE-PATRIK	3,062,752
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GONZALEZ, ALEXANDER	3,062,274	HAGER, BENGT	3,062,469	HEJL, ANDREW	3,062,163
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GORDON, ERIC M.	3,062,619	HAKANSSON, OLA	3,062,753	HENDERSON, CHARLES	3,062,241
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GORSHKOV, ALEXANDER	3,061,917	HALBERT, PHILLIP	3,062,295	HERMANSON, KEVIN DAVID	3,062,615
GOSNELL, JANATHAN D.	3,062,579	HALDEX BRAKE PRODUCTS CORPORATION	3,062,296	HERMANSON, ERLAND	3,062,416
		HALDOR TOPSOE A/S	3,062,045	HESTERMAN, ERIC SCOTT	3,062,113
		HALKA-GRYSINSKA, ANETA	3,062,045	HHELI, LLC	3,062,104
		HALL, DAVID S.	3,062,765	HICKEY, JENNIFER L.	3,062,310
		HALL, JASON	3,062,441	HIFI ENGINEERING INC.	3,062,617
		HALLEN, PAUL R.	3,062,620	HIGGINSON, SEAN	3,062,385
		HALME, TIMO	3,062,701	HIGGINSON-SCOTT, NATHAN	3,062,566
		HALONEN, TOMMI	3,062,244	HILBRINK, HUBERTUS	3,062,045
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			3,062,041	HILDING, KLAS	3,062,560
			3,062,041	HILL, MARCELO	3,061,990
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HILTI AKTIENGESELLSCHAFT	3,062,392	HUAWEI TECHNOLOGIES CO., LTD.	3,062,358	ILLUMINA, INC. IMCHEN, SUNEP	3,062,174 3,062,751
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HIROSE, SATOSHI HITRON, MATTHEW	3,061,988	HUAWEI TECHNOLOGIES	3,062,373	INSMED INCORPORATED INSMED INCORPORATED	3,062,570
HJELMGAARD, THOMAS HJELMGAARD, THOMAS	3,062,601	HUAWEI TECHNOLOGIES CO., LTD.	3,062,381	INSTITUTO DE BIOLOGIA MOLECULAR E CELULAR - IBMC	3,062,510
HJELMGAARD, THOMAS HNATYSZYN, JAMES	3,062,656	HUAWEI TECHNOLOGIES	3,062,488	INSTITUT PASTEUR DE MONTEVIDEO	3,062,262
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HOCHMAN, MARK N. HOCHRADL, STEFAN	3,062,718	HUAWEI TECHNOLOGIES CO., LTD.	3,062,144	HUBBELL INCORPORATED	3,062,704
HODGE, WILLIAM E. HODGES, DOUGLAS S.	3,062,735	HUAWEI TECHNOLOGIES	3,062,276	HUBBELL INCORPORATED	3,062,628
HOERNIG, SOEREN HOFF, BIRGIT	3,062,177	HUAWEI TECHNOLOGIES CO., LTD.	3,062,286	HUBBELL INCORPORATED	3,062,536
HOFFMAN, RONALD J. HOFFMANN, JOHN ERIC	3,062,188	HUAWEI TECHNOLOGIES	3,062,540	HUBBELL INCORPORATED	3,062,333
HOFSTETTER, GREGORY K. HOLEN, ROY	3,062,118	HUAWEI TECHNOLOGIES CO., LTD.	3,062,545	HUBBELL INCORPORATED	3,062,369
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HU, DANQING HU, DANQING	3,062,527	HUMMEL, AARON	3,061,935	HOHMEL, AARON	3,062,199
HU, DANQING HU, DANQING	3,062,327	HUNACEK, DIDIER	3,062,475	HUNACEK, DIDIER	3,062,112
HU, DANQING HU, DANQING	3,062,081	HURLEY, DAVID	3,062,231	HURLEY, DAVID	3,061,582
HU, DANQING HU, DANQING	3,062,269	HUSBAND, BRIAN	3,062,175	HUSBAND, BRIAN	3,061,904
HU, DANQING HU, DANQING	3,062,107	HUTCHISON MEDIPHARMA LIMITED	3,061,947	HUTCHISON MEDIPHARMA LIMITED	3,062,700
HU, DANQING HU, DANQING	3,062,625	I.A.M. INDUSTRIA MACCHINE AUTOMATICHE S.P.A.	3,062,371	JACCOMA, ANDREW	3,062,173
HU, DANQING HU, DANQING	3,062,625	I.A.M. INDUSTRIA MACCHINE AUTOMATICHE S.P.A.	3,062,253	JACCOMA, EDWARD	3,062,173
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HU, DANQING HU, DANQING	3,061,946	I.A.M. INDUSTRIA MACCHINE AUTOMATICHE S.P.A.	3,062,256	JACQUEL, NICOLAS	3,062,509
HU, DANQING HU, DANQING	3,045,552	I.A.M. INDUSTRIA MACCHINE AUTOMATICHE S.P.A.	3,062,602	JAEGER, JAN	3,062,743
HU, DANQING HU, DANQING	3,045,571	I.A.M. INDUSTRIA MACCHINE AUTOMATICHE S.P.A.	3,062,630	JAEGER, MARTIN	3,062,576
HU, DANQING HU, DANQING	3,045,575	I.A.M. INDUSTRIA MACCHINE AUTOMATICHE S.P.A.	3,062,602	JAHID, SOHAIL	3,062,260
HU, DANQING HU, DANQING	3,045,629	I.A.M. INDUSTRIA MACCHINE AUTOMATICHE S.P.A.	3,062,253	JAHNKE, DAVID A.	3,062,707
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HU, DANQING HU, DANQING	3,045,725	I.A.M. INDUSTRIA MACCHINE AUTOMATICHE S.P.A.	3,062,258	JANSSEN VACCINES & PREVENTION B.V.	3,062,549
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HUARD, CHRISTINE HUAWEI TECHNOLOGIES CO., LTD.	3,061,947	ICHIKAWA, MAKIKO	3,062,753	JARSKY, STEVEN	3,062,169
HUARD, CHRISTINE HUAWEI TECHNOLOGIES CO., LTD.	3,061,986	ICHINOSE, KOUKI	3,062,117	JASIOBEDZKI, PIOTR	3,062,036
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TANGRI, HENNA	3,062,327	UNIVERSITY OF		SERVICES
TANIGUCHI, YOHEI	3,061,582	CALIFORNIA	3,061,955	3,062,719
TANSKANEN, ANTTI	3,062,041	THE REGENTS OF THE		TOURAN, NICHOLAS W.
TARAS, BRADFORD	3,062,458	UNIVERSITY OF		TOURNEUR, THOMAS
TARENKOVA, NATALIA		CALIFORNIA	3,062,260	3,062,449
YURYEVNA	3,062,762	THE REGENTS OF THE		TOWER IPCO COMPANY
TAXON BIOSCIENCES INC.	3,062,329	UNIVERSITY OF		LIMITED
TAYEBI, LOBAT	3,062,632	CALIFORNIA	3,062,595	3,062,561
TAYLOR, ALEX	3,062,199	THE TRUSTEES OF THE		TRABER, PETER G.
TAYLOR, STEVEN J.	3,062,067	UNIVERSITY OF		3,062,648
TAYLOR, WAYNE	3,062,629	PENNSYLVANIA	3,062,165	3,062,649
TCHIBO GMBH	3,062,414	THE UNITED STATES OF		TRAN, MILLER
TEAL, SIMON, ALEXANDER	3,061,988	AMERICA, AS		3,061,940
TEAM YOUNG TECHNOLOGY CO., LTD.	3,062,581	REPRESENTED BY THE		TRAN, VIVIAN
TEKNOLOGIAN		SECRETARY, DEPARTMT		TRANNINGER, MICHAEL
TUTKIMUSKESKUS VTT OY	3,062,730	OF HEALTH AND HUMAN SERVICES	3,062,433	TRAUSTASON, SINDRI
TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	3,062,197	THE UNIVERSITY OF AKRON	3,062,446	3,062,590
TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	3,062,523	THE UNIVERSITY OF BRITISH COLUMBIA	3,062,593	TREFOIL THERAPEUTICS, INC.
TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	3,062,526	THEODOSOPOULOS, KONSTANTINOS	3,062,752	3,062,473
TENGHAMN, STIG RUNE LENNART	3,062,389	THEODOULOU, MICHAEL DAVID	3,062,599	TREMBLAY, MARIO ELMEN
TENHUNEN, JOUKO	3,062,041	THERRIEN, JEAN	3,062,712	TRENNEPOHL, ATILA
TERAPORE TECHNOLOGIES, INC.	3,062,637	THIDET, BERTRAND	3,062,299	TRITON ALGAE INNOVATIONS
TERRAPOWER, LLC	3,062,480	THOMAS, ABRAHAM	3,062,185	3,061,940
TERRETT, JONATHAN ALEXANDER	3,062,506	THOMAS, ANDREW	3,062,745	TRUDEAU, KYLE MARVIN
TERVONEN, JARKKO	3,062,489	THOMAS, DONALD J.	3,062,287	3,062,426
TEUNISSEN, THEODORUS GIJSBERTUS GERARDUS	3,062,042	THOMAS, SIMON	3,062,727	TRUONG, BAO H.
TEUSCHER, SCOTT	3,062,402	THOMPSON, KEENAN	3,062,413	TRUSTEES OF BOSTON UNIVERSITY
TG-17, LLC	3,062,459	THORNTON-WELLS, TRICIA ANN		TSAI, CHANG-HAI
THE BOARD OF SUPERVISORS OF LOUISIANA STATE UNIVERSITY AND AGRICULTURAAND MECHANICAL COLLEGE	3,061,900	THORWID, PETER	3,061,990	TSAI, NANCEY TREVANIAN
THE BOEING COMPANY	3,062,762	THOTTUMKARA, ARUN P.	3,061,907	TSaur, SHENG LIANG
THE CURATORS OF THE UNIVERSITY OF MISSOURI	3,062,660	THULE SWEDEN AB	3,062,393	TTI (MACAO COMMERCIAL OFFSHORE) LIMITED
THE GILLETTE COMPANY LLC	3,061,983	THUMANN, GABRIELE	3,062,170	3,062,191
THE GLAD PRODUCTS COMPANY	3,062,539	TIAN, SONGBAI	3,062,575	TUORINIEMI, VEIJO
THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO	3,062,714	TIBREWAL, NIDHI	3,061,907	TURK, BRIAN S.
THE HENRY M. JACKSON FOUNDATION FOR THE ADVANCEMENT OF MILITARY MEDICI, INC.	3,062,573	TIDESTAV, CLAES	3,062,523	TURKKI, TARJA
		TIEBES, JORG	3,062,225	TURNER, ROBERT
		TIELEMANN, THOMAS	3,062,718	TURNERY, TERENCE WILLIAM
		TILLITT, RUSSELL	3,062,634	TYAGI, SANJAY
		TIMPE, TORSTEN	3,062,221	TYCO FIRE & SECURITY GMBH
		TINLEY, JASON	3,061,948	3,062,063
		TITTL, JESSICA RAE	3,061,904	TYLER, TROY NICKOLAS
		TKACHEVA, ANASTASIA	3,062,155	3,062,202
		TLC PRODUCTS	3,062,125	TYLER, TROY NICKOLAS
		TOD, TARA J.	3,062,547	3,062,209
		TOELLE, KATHARINA	3,062,731	UBER TECHNOLOGIES, INC.
		TOLBORG, GERIT	3,062,518	3,062,254
		TOMASEVIC, NENAD	3,062,415	UCCELLANI, MARCO
		TOMASEVIC, NENAD	3,062,430	3,062,533
		TONG, YIXUAN	3,062,454	ULTRA PREMIUM SERVICES, L.L.C.
		TONNIS, WOUTER FRANK	3,062,549	3,062,427
		TORDI, GIANLUCA	3,062,576	UMEDA, AIKO
		TOREM, MAURICIO	3,062,436	3,062,194
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				UNDERWOOD, JOHN R.
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				UNILEVER PLC
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				3,061,993
				3,062,238

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UNIVERSITY OF MASSACHUSETTS	3,062,638	VICENTE, LUIS CARLOS VIDUYA, JUDY VICTORIA	3,062,367	WEBER, THEODORE WEGENER, ELKE
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VACCINEX, INC.	3,061,963	VON MALTZAHN, GEOFFREY A.	3,062,426	WHITTENBERG, CHAD WIERCINSKI, ROBERT A.
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VALMONT INDUSTRIES, INC.	3,062,527	VUMOS OY	3,062,489	WINTEMUTE, ERIC G.
VAN AROIAN, RAFFI	3,062,638	WADHWANI, JAI	3,062,751	WITTMANN, CHRISTOPH
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