



Canadian  
Intellectual Property  
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Un organisme  
d'Industrie Canada

ISSN-1712-4034

# The Patent Office Record

# La Gazette du Bureau des brevets



Vol. 150 No. 48 November 29, 2022 Vol. 150 No. 48 le 29 novembre 2022

Canada

CIPO OPIC

# THE CANADIAN PATENT OFFICE RECORD

# LA GAZETTE DU BUREAU DES 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:

None

## 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 :

Aucun

## 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.

## 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 June 3, 2020

<b>1. Transmittal Fee (Rule 14)</b>	<b>\$300</b>
<b>2. International Filing Fee</b>	<b>\$1961*</b>
For each additional sheet over 30	<b>\$22</b>
<b>3. International Search Fee</b>	<b>\$1600</b>

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

## 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. 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 3 juin 2020

<b>1. Taxe de transmission (Règle 14)</b>	<b>300 \$</b>
<b>2. Taxe de dépôt internationale</b>	<b>1961 \$*</b>
Pour chaque feuille au delà de 30	<b>22 \$</b>
<b>3. Taxe de recherche internationale</b>	<b>1600 \$</b>

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))** **\$295**

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

\* International fees will be reduced by:

- **\$295** for all applications filed electronically using PCT-SAFE or ePCT (The request in character coded format).
- **\$442** 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)** **295 \$**

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

\* Les frais seront réduits de:

- **295 \$** pour toutes les demandes déposées en utilisant PCT-SAFE ou ePCT (La requête étant en format à codage de caractères).
- **442 \$** 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

### On this page:

1. Physical Delivery of Correspondence and Written Communications to CIPO
2. Electronic Correspondence
3. Details Concerning the Electronic Formats Accepted
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5. Time Period Extensions
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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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 discréTION 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.

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.

## Avis

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 November 29, 2022 contains applications open to public inspection from November 13, 2022 to November 19, 2022.

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

La *Gazette du bureau des brevets* du 29 novembre 2022 contient les demandes disponibles au public pour consultation pour la période du 13 novembre 2022 au 19 novembre 2022.

## Notices

### 16. Dedication to the Public

The Commissioner of Patents  
Gatineau, Quebec, Canada

Commissioner.

Re: Canadian Patent No. 2718277  
Issued: 2015-02-03  
Present Owner: ALLERGAN SALES, LLC

**Title: COMPOSITIONS AND METHODS FOR  
TRANSDERMAL OXYBUTYNIN THERAPY**

Subject to the terms of this document, ALLERGAN SALES, LLC, as the owner of Canadian Patent No. 2,718,277, entitled "COMPOSITIONS AND METHODS FOR TRANSDERMAL OXYBUTYNIN THERAPY" (inventor Ebert, Charles D.; Sanders, Steven W.) hereby irrevocably dedicates to the public all rights that it may hold in and to Canadian Patent No. 2,718,277 for the entirety of the term of the Patent.

The present dedication of the Canadian Patent No. 2,718,277 is made without any prejudice to the rights of ALLERGAN SALES, LLC in and to any other patent or pending patent applications.

The present dedication shall apply to all subsequent owners of Canadian Patent No. 2,718,277 and to all persons who now or in the future may hold any rights under Canadian Patent No. 2,718,277.

The patentee, ALLERGAN SALES, LLC, also requests that this dedication be registered and recorded in all relevant places in the Patent Office, to provide notice of its dedication to the public, including its attachment to any printed copies of the Canadian patent which may hereinafter be distributed to the public.

SIGNED at Toronto, Ontario, Canada this 26<sup>th</sup> day of August, 2022.

[signature]

Name: Eileen McMahon at Torys LLP  
Title: Agent for the Patentee

### 16. Cession au Domaine Public

Le Commissaire des brevets  
Gatineau (Québec) Canada

Commissaire.

Objet : Brevet canadien no: 2718277  
Delivré : 2015-02-03  
Titulaire actuel : ALLERGAN SALES, LLC

**Titre : COMPOSITIONS ET PROCÉDÉS DESTINÉS À  
LA THÉRAPIE PAR OXYBUTYNINE  
TRANSDERMIQUE**

Par la présente et sous réserve des dispositions du présent document, ALLERGAN SALES, LLC, à titre de propriétaire du brevet canadien no 2,718,277, intitulé «COMPOSITIONS ET PROCÉDÉS DESTINÉS À LA THÉRAPIE PAR OXYBUTYNINE TRANSDERMIQUE» (inventeur Ebert, Charles D.; Sanders, Steven W.) cède au domaine public, de façon irrévocable, tous les droits qu'il pourrait détenir sur le brevet canadien no 2,718,277 pour toute la durée du brevet. La présente cession du brevet canadien no 2,718,277 se fait sans préjudice des droits ALLERGAN SALES, LLC sur l'ensemble des brevets et des demandes de brevet en instance. La présente cession s'applique à tous les titulaires subséquents du brevet canadien no 2,718,277 et à toutes les personnes qui détiennent à l'heure actuelle, ou qui pourraient détenir dans l'avenir, des droits sur le brevet canadien no 2,718,277.

Le breveté, ALLERGAN SALES, LLC demande également que la présente cession soit enregistrée et inscrite dans tous les lieux et registres pertinents du Bureau des brevets, afin qu'un avis public soit donné de la cession du brevet, en englobant tout lien avec des copies papier du brevet canadien qui pourraient être transmises au public après cette date.

SIGNÉ à Toronto, en Ontario, au Canada ce 26e jour du mois de août 2022.

[signature]

Nom : Eileen McMahon à Torys LLP  
Titre : Agente du breveté

## **17. Dedication to the Public**

The Commissioner of Patents  
Gatineau, Quebec, Canada

Commissioner.

Re: Canadian Patent No. 2504021  
Issued: 2013-08-13  
Present Owner: ALLERGAN SALES, LLC

**Title: COMPOSITIONS AND METHODS FOR  
TRANSDERMAL OXYBUTYNIN THERAPY**

Subject to the terms of this document, ALLERGAN SALES, LLC, as the owner of Canadian Patent No. 2,504,021, entitled "COMPOSITIONS AND METHODS FOR TRANSDERMAL OXYBUTYNIN THERAPY" (inventor Ebert, Charles D.; Sanders, Steven W.) hereby irrevocably dedicates to the public all rights that it may hold in and to Canadian Patent No. 2,504,021 for the entirety of the term of the Patent.

The present dedication of the Canadian Patent No. 2,504,021 is made without any prejudice to the rights of ALLERGAN SALES, LLC in and to any other patent or pending patent applications.

The present dedication shall apply to all subsequent owners of Canadian Patent No. 2,504,021 and to all persons who now or in the future may hold any rights under Canadian Patent No. 2,504,021.

The patentee, ALLERGAN SALES, LLC, also requests that this dedication be registered and recorded in all relevant places in the Patent Office, to provide notice of its dedication to the public, including its attachment to any printed copies of the Canadian patent which may hereinafter be distributed to the public.

SIGNED at Toronto, Ontario, Canada this 26<sup>th</sup> day of August, 2022.

[signature]

Name: Eileen McMahon at Torys LLP  
Title: Agent for the Patentee

## **17. Cession au Domaine Public**

Le Commissaire des brevets  
Gatineau (Québec) Canada

Commissaire.

Objet : Brevet canadien no: 2504021  
Delivré : 2013-08-13  
Titulaire actuel : ALLERGAN SALES, LLC

**Titre : COMPOSITIONS ET PROCÉDÉS DESTINÉS À  
LA THÉRAPIE PAR OXYBUTYNINE  
TRANSDERMIQUE**

Par la présente et sous réserve des dispositions du présent document, ALLERGAN SALES, LLC, à titre de propriétaire du brevet canadien no 2,504,021, intitulé «COMPOSITIONS ET PROCÉDÉS DESTINÉS À LA THÉRAPIE PAR OXYBUTYNINE TRANSDERMIQUE» (inventeur Ebert, Charles D.; Sanders, Steven W.) cède au domaine public, de façon irrévocable, tous les droits qu'il pourrait détenir sur le brevet canadien no 2,504,021 pour toute la durée du brevet. La présente cession du brevet canadien no 2,504,021 se fait sans préjudice des droits ALLERGAN SALES, LLC sur l'ensemble des brevets et des demandes de brevet en instance. La présente cession s'applique à tous les titulaires subséquents du brevet canadien no 2,504,021 et à toutes les personnes qui détiennent à l'heure actuelle, ou qui pourraient détenir dans l'avenir, des droits sur le brevet canadien no 2,504,021.

Le breveté, ALLERGAN SALES, LLC demande également que la présente cession soit enregistrée et inscrite dans tous les lieux et registres pertinents du Bureau des brevets, afin qu'un avis public soit donné de la cession du brevet, en englobant tout lien avec des copies papier du brevet canadien qui pourraient être transmises au public après cette date.

SIGNÉ à Toronto, en Ontario, au Canada ce 26e jour du mois de août 2022.

[signature]

Nom : Eileen McMahon à Torys LLP  
Titre : Agente du breveté

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November 29, 2022

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[72] CHICH, ADEM, US  
[72] ZARATE, WALTER, US  
[73] BUILDING MATERIALS INVESTMENT CORPORATION, US  
[86] (2837807)  
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[72] HARKIN, RICHARD LEE, GB  
[73] EDWARDS LIMITED, GB  
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INHIBITORS  
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[72] BABICH, JOHN W., US  
[72] ZIMMERMAN, CRAIG, US  
[72] JOYAL, JOHN L., US  
[72] LU, GENLIANG, US  
[73] MOLECULAR INSIGHT  
PHARMACEUTICALS, INC., US  
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[25] EN  
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[54] PRODUIT DE CONSTRUCTION  
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[72] SHAW, ROBERT D., US  
[72] STUCKY, DAVID J., US  
[72] ARBOGAST, TRAVIS R., US  
[72] ELINSKI, RANDALL M., US  
[72] STEFFES, STEPHEN W., US  
[73] CERTAINTEED LLC, US  
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[54] A METHOD OF  
MANUFACTURING A  
COMPOSITE MATERIAL  
INCLUDING A THERMOPLASTIC  
COATED REINFORCING  
ELEMENT  
[54] PROCEDE DE FABRICATION  
D'UN MATERIAU COMPOSITE  
COMPRENANT UN ELEMENT DE  
RENFORT REVETU DE  
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[72] JEVONS, MATTHEW PAUL, GB  
[73] ROLLS-ROYCE PLC, GB  
[86] (2848260)  
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[54] CAPTURE DE CO<sub>2</sub> POUR LES  
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[72] FRADETTE, LOUIS, CA  
[72] FRADETTE, SYLVIE, CA  
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  - [72] WALENSKY, LOREN D., US
  - [72] GAVATHIOTIS, EVRIDIPIS, US
  - [73] DANA-FARBER CANCER INSTITUTE, INC., US
  - [85] 2014-04-10
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  - [54] INFRARED THERMOGRAPHY AND BEHAVIOUR INFORMATION FOR IDENTIFICATION OF BIOLOGICALLY IMPORTANT STATES IN ANIMALS
  - [54] INFORMATIONS DE THERMOGRAPHIE INFRAROUGE ET DE COMPORTEMENT POUR DETERMINER DES ETATS BIOLOGIQUEMENT IMPORTANTS CHEZ DES ANIMAUX
  - [72] COOK, NIGEL, CA
  - [72] BENCH, CLOVER, CA
  - [72] SCHAEFER, ALLAN, CA
  - [73] COOK, NIGEL, CA
  - [73] BENCH, CLOVER, CA
  - [73] SCHAEFER, ALLAN, CA
  - [86] (2854344)
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  - [54] MANAGING PATIENT CONSENT IN A MASTER PATIENT INDEX
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  - [72] CRAPO, JARED, US
  - [72] COYLE, DAVID M., US
  - [72] OWEN, CAROL L., US
  - [72] PEARSON, PRESTON, US
  - [72] MCRAE, KRISTEN, US
  - [73] HEALTH CATALYST, INC., US
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  - [25] EN
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  - [54] CLAPET DE REFOULEMENT ACTIONNE MECANIQUEMENT
  - [72] VADASZ, AMNON, VE
  - [73] MAXFLU PUMPS CORP., CA
  - [86] (2864569)
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  - [54] DISPOSITIF DE TRAITEMENT DE SIGNAL AUDIO ET PROCEDE DE TRAITEMENT DE SIGNAL AUDIO
  - [72] OKIMOTO, KOYURU, JP
  - [72] YAMADA, YUUJI, JP
  - [73] SONY CORPORATION, JP
  - [86] (2865596)
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  - [22] 2014-10-01
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  - [54] PORT DE CHARGE DE BUS SERIE UNIVERSEL A ALIMENTATION ELECTRIQUE PAR CABLE ETHERNET
  - [72] LAUBY, WILLIAM J., US
  - [72] MOORE, RYAN, US
  - [72] LIPKE, DEAN S., US
  - [73] LEVITON MANUFACTURING CO., INC., US
  - [86] (2867400)
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- [54] CONSTRUCTION D'ACIDE NUCLEIQUE ET SON UTILISATION
- [72] KOCHANEK, STEFAN, DE
- [72] LUCAS, TANJA, DE
- [72] KUEPPERS, CLAUDIA, DE
- [73] KOCHANEK, STEFAN, DE
- [85] 2014-10-24
- [86] 2013-05-07 (PCT/EP2013/001356)
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[54] PROCEDES PERMETTANT DE DIAGNOSTIQUER L'AFFECTION VALVULAIRE CHRONIQUE  
[72] LI, QINGHONG, US  
[72] LAFLAMME, DOROTHY P., US  
[72] HANNAH, STEVEN S., US  
[73] SOCIETE DES PRODUITS NESTLE S.A., CH  
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[25] EN  
[54] A PHARMACEUTICAL COMPOSITION CONTAINING NICOTINIC ACID AND/OR NICOTINAMIDE AND/OR TRYPTOPHAN FOR POSITIVELY INFLUENCING THE INTESTINAL MICROBIOTA  
[54] COMPOSITION PHARMACEUTIQUE CONTENANT UN ACIDE NICOTINIQUE ET/OU DE LA NICOTINAMIDE ET/OU DU TRYPTOPHANE POUR INFLUENCER POSITIVEMENT LE MICROBIOTE INTESTINAL  
[72] WAETZIG, GEORG, DE  
[72] SEEGERT, DIRK, DE  
[73] CONARIS RESEARCH INSTITUTE AG, DE  
[85] 2014-12-12  
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[54] FUSION PROTEINS AND METHODS THEREOF  
[54] PROTEINES DE FUSION ET LEURS PROCEDES ASSOCIES  
[72] IAVARONE, ANTONIO, US  
[72] LASORELLA, ANNA, US  
[72] RABADAN, RAUL, US  
[73] THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK, US  
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[54] METHODS FOR OPTIMIZING IDENTIFICATION, CROSS-CORRELATION, BUILDING, AND UTILIZATION OF MEDIA CONTENT OF MOTORIZED TRANSPORT INVENTORY AND DEVICES THEREOF  
[54] PROCEDES D'OPTIMISATION DE L'IDENTIFICATION, DE LA CORRELATION CROISEE, DE LA CREATION ET DE L'UTILISATION DE CONTENU MULTIMEDIA RELATIF A UN INVENTAIRE DES MOYENS DE TRANSPORT MOTORISES ET DISPOSITIFS ASSOCIES  
[72] AGOR, MARK, US  
[72] DIGIORGIO, FRANK, US  
[72] WHEELER, DENNIS, US  
[73] TRU IMAGES, INC., US  
[86] (2881541)  
[87] (2881541)  
[22] 2015-02-09  
[30] US (61/936,927) 2014-02-07
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[25] EN  
[54] ANTIBODIES TO RISPERIDONE HAPTENS AND USE THEREOF  
[54] ANTICORPS DIRIGES CONTRE DES HAPTENES DE RISPERIDONE ET LEUR UTILISATION  
[72] HRYHORENKO, ERIC, US  
[72] SANKARAN, BANUMATHI, US  
[72] DECORY, THOMAS R., US  
[72] TUBBS, THERESA, US  
[72] COLT, LINDA, US  
[72] VLIEGEN, MAARTEN, BE  
[72] HASPELAGH, PIETER RIK, BE  
[73] SALADAX BIOMEDICAL INC., US  
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  - [54] MECANISME DE DISTRIBUTION D'ASSEMBLAGE D'ENCLUME
  - [72] WILLIAMS, JUSTIN, US
  - [73] COVIDIEN LP, US
  - [86] (2883248)
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  - [54] PARTICULES CHARGEES PAR UN LYSAT TUMORAL
  - [72] WAGNER, THOMAS E., US
  - [73] ORBIS HEALTH SOLUTIONS LLC, US
  - [85] 2015-03-04
  - [86] 2013-10-02 (PCT/US2013/063091)
  - [87] (WO2014/040089)
  - [30] US (14/019,025) 2013-09-05
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  - [54] EBAUCHES ET PROCEDES DE FACONNAGE DE CONTENANTS A PLATEFORMES D'EMPILEMENT
  - [72] BRUNDAGE, DAVID JOE, US
  - [73] ROCK-TENN SHARED SERVICES, LLC, US
  - [86] (2884992)
  - [87] (2884992)
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  - [54] PREPARATIONS OPHTALMIQUES, INTERARTICULAIRES OU INTRAVESICALES CONTENANT DES N-ACYL-ETHANOLAMINES
  - [72] DELLA VALLE, FRANCESCO, IT
  - [72] MANGIAFICO, SEBASTIANO, IT
  - [72] DELLA VALLE, MARIA FEDERICA, IT
  - [73] EPITECH GROUP S.R.L., IT
  - [86] (2885443)
  - [87] (2885443)
  - [22] 2015-03-20
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  - [54] SYSTEME DE COLLECTE DE PREUVES PORTATIF
  - [72] KIRK, TIMOTHY C., US
  - [73] SMITHS DETECTION - WATFORD LTD., GB
  - [85] 2015-04-09
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  - [25] EN
  - [54] VANILLIN SYNTHASE
  - [54] VANILLINE SYNTHASE
  - [72] LINDBERG MOLLER, BIRGER, DK
  - [72] HALKAER HANSEN, ESBEN, DK
  - [72] HANSEN, JORGEN, CH
  - [72] JANESHAWARI GALLAGE, NETHAJI, DK
  - [73] EVOLVA SA, CH
  - [73] UNIVERSITY OF COPENHAGEN, DK
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  - [54] LIQUID POLYMER SUSPENSIONS
  - [54] SUSPENSIONS LIQUIDES DE POLYMERES
  - [72] BALASTRE, MARC, FR
  - [72] PINOT, FLORENT, FR
  - [73] RHODIA OPERATIONS, FR
  - [85] 2015-04-17
  - [86] 2013-11-07 (PCT/EP2013/073302)
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  - [30] FR (12 02998) 2012-11-08
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- [54] PROCEDE DE TRAITEMENT D'UNE IMAGE INFRAROUGE POUR UNE CORRECTION DES NON UNIFORMITES
- [72] SARAGAGLIA, AMAURY, FR
- [72] DURAND, ALAIN, FR
- [73] LYNRED, FR
- [86] (2889654)
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- [22] 2015-04-28
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- [54] **OPACITY MODIFYING AGENTS FOR EDIBLE PRODUCTS**
- [54] **AGENTS DE MODIFICATION DE L'OPACITE POUR DES PRODUITS COMESTIBLES**
- [72] JELAVICH, MICHAEL CHARLES, US
- [72] MYERS, GALE DENISE, US
- [72] KLINGENBERG, ANDREAS, DE
- [73] SENSIENT COLORS LLC, US
- [85] 2015-05-06
- [86] 2013-11-08 (PCT/US2013/069284)
- [87] (WO2014/074909)
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- [54] **IMPACT BIOPSY DEVICE AND METHOD OF USE**
- [54] **DISPOSITIF DE BIOPSIE A IMPACT ET PROCEDE D'UTILISATION**
- [72] SNOW, JEREMY W., US
- [73] MERIT MEDICAL SYSTEMS, INC., US
- [85] 2015-05-06
- [86] 2014-01-17 (PCT/US2014/012043)
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[11] **2,891,017**

[13] C

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- [25] EN
- [54] **CALIBRATION METHODS FOR VOLTAGE SENSING DEVICES**
- [54] **METHODES D'ETALONNAGE POUR DISPOSITIFS DETECTEURS DE TENSION**
- [72] KOLWALKAR, AMOL RAJARAM, US
- [72] VARTAK, SAMEER DINKAR, US
- [72] RAGHUNATHAN, ARUN KUMAR, US
- [72] KULKARNI, ABHIJEET ARVIND, US
- [72] O'SULLIVAN, CHARLES BRENDAN, US
- [73] GENERAL ELECTRIC COMPANY, US
- [86] (2891017)
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- [22] 2015-05-07
- [30] US (14/276,253) 2014-05-13
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- [51] Int.Cl. A61M 5/315 (2006.01)
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- [54] **LOCKABLE SYRINGE ASSEMBLIES AND RELATED DEVICES AND METHODS**
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- [72] MOTTOLA, JIM, US
- [72] GILL, DARLA, US
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- [73] MERIT MEDICAL SYSTEMS, INC., US
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- [54] **LOCALISATION DE DEFAILLANCES EN MATIERE D'ECARTS D'ALTITUDE**
- [72] EGBERG, JAMES B., US
- [72] BRAUN, SCOTT J., US
- [72] MATHEIS, BRIAN D., US
- [73] ROSEMOUNT AEROSPACE, INC., US
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- [22] 2015-06-08
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- [25] EN
- [54] **SILICONE FILM FOR IMPROVING ADHESION OF MEDICAL DEVICES**
- [54] **PELLICULE DE SILICONE POUR AMELIORER L'ADHERENCE DE DISPOSITIFS MEDICAUX**
- [72] HANSSON, DENNIS, SE
- [73] MOLNLYCKE HEALTH CARE AB, SE
- [85] 2015-06-11
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- [25] EN
- [54] NUTRIENT COMBINATION, PROCESS AND SYSTEM FOR ENHANCING BIOGENIC METHANE PRODUCTION FROM A CARBONACEOUS MATERIAL
- [54] COMPOSITION DE NUTRIMENTS, PROCEDE ET SYSTEME POUR AMELIORER LA PRODUCTION BIOGENE DE METHANE A PARTIR D'UNE MATIERE CARBONEE
- [72] HENDRY, PHILIP, AU
- [72] MIDGLEY, DAVID, AU
- [73] COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION, AU
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- [72] SUN, DAVID D., US
- [72] EULER, JOHN B., US
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- [54] EMBALLAGE D'AIGUILLE STYLO
- [72] LIMAYE, AMIT, US
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- [25] EN
- [54] SYSTEM AND METHOD OF MEASURING DISTANCES RELATED TO AN OBJECT
- [54] SYSTEME ET PROCEDE DE MESURE DE DISTANCES RELATIVES A UN OBJET
- [72] WEXLER, RONALD M., US
- [73] WEXENERGY INNOVATIONS LLC, US
- [85] 2015-07-06
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- [25] EN
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- [72] GAO, LIJUN, US
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- [72] LIU, SHENGYI, US
- [73] THE BOEING COMPANY, US
- [86] (2898137)
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- [25] EN
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- [54] SYSTEME MEDICAL, DISPOSITIF POUR COLLECTER DES CORDAGES ET/OU DES FEUILLETS ET PROCEDE POUR CELUI-CI.
- [72] KERANEN, OLLI, SE
- [72] VIRTANEN, JANI, FI
- [72] PUGH, MARK, IE
- [72] O'CARROLL, GER, IE
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[72] LACAUX, FREDERIC, FR  
[72] BRUZY, CHRISTOPHE, FR  
[72] THALIN,PASCAL, FR  
[73] THALES, FR  
[86] (2899254)  
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[54] DISPOSITIF DE BIOPSIE PORTABLE ASSISTE PAR ASPIRATION  
[72] LINDERMAN, EVAN, US  
[72] KRUEGER, JOHN A., US  
[72] QIAN, PHILLIP, US  
[72] PLISHKA, MICHAEL, US  
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[54] PROCEDES POUR PREPARER LES DERIVES D'IBRUTINIB ET LEURS INTERMEDIAIRES  
[72] PYE, PHILIP, BE  
[72] BEN HAIM, CYRIL, BE  
[72] CONZA, MATTEO, CH  
[72] HOUPIS, IOANNIS NICOLAOS, BE  
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[54] TRAITEMENT DE MALADIES AUTO-IMMUNES  
[72] ESCHER, ALAN P., US  
[73] LOMA LINDA UNIVERSITY, US  
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[25] EN  
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[54] PRODUCTION IN VITRO DE CELLULES PROGENITRICES EPITHELIALES THYMIQUES  
[72] PARENT, AUDREY, US  
[72] HEBROK, MATTHIAS, US  
[72] ANDERSON, MARK STUART, US  
[73] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US  
[85] 2015-08-27  
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[25] EN  
[54] METHOD FOR GENERATING A FILTER BANK FOR RECEIVING A SIGNAL MODULATED BY CONTINUOUS PHASE MODULATION, AND METHOD FOR RECEIVING SAID SIGNAL  
[54] PROCEDE DE PRODUCTION D'UNE BANQUE DE FILTRES DESTINEE A RECEVOIR UN SIGNAL MODULE PAR MODULATION EN PHASE CONTINUE, ET PROCEDE DE PRODUCTION DUDIT SIGNAL  
[72] BENADDI, TARIK, FR  
[72] GADAT, BENJAMIN, FR  
[72] POULLIAT, CHARLY, FR  
[72] BOUCHERET, MARIE-LAURE, FR  
[73] THALES, FR  
[86] (2903065)  
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- [25] EN
- [54] **SUBSTITUTED ORGANOFLUOROBORATES AS IMAGING AGENTS**
- [54] **ORGANOFLUOROBORATES SUBSTITUES A TITRE D'AGENTS D'IMAGERIE**
- [72] PERRIN, DAVID, CA
- [72] LIU, ZHIBO, CA
- [73] THE UNIVERSITY OF BRITISH COLUMBIA, CA
- [85] 2015-09-01
- [86] 2014-03-07 (PCT/CA2014/000200)
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- [25] EN
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- [54] **COMPOSITIONS DE CONTROLE DE LA CORROSION ET PROCEDES D'ATTENUATION DE LA CORROSION**
- [72] GILL, JASBIR S., US
- [72] ZIM, DANILO, BR
- [72] PASCHOALINO, MATHEUS PAES, BR
- [73] ECOLAB USA INC., US
- [85] 2015-09-08
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- [54] **MECANISME CHIRURGICAL ELECTROMECANIQUE MANUEL**
- [72] ZERGIEBEL, EARL M., US
- [72] CHOWANIEC, MATTHEW, US
- [73] COVIDIEN LP, US
- [86] (2905662)
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- [30] US (62/060,734) 2014-10-07
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- [54] **ANTISENSE OLIGONUCLEOTIDES FOR TREATMENT OF CANCER STEM CELLS**
- [54] **OLIGONUCLEOTIDES ANTISENS POUR LE TRAITEMENT DE CELLULES SOUCHES CANCEREUSES**
- [72] BURZIO ERIZ, LUIS O., CL
- [72] BURZIO MENENDEZ, VERONICA A., CL
- [72] VILLEGAS OLAVARRIA, JAIME E., CL
- [73] ANDES BIOTECHNOLOGIES GLOBAL, INC., US
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- [54] **UNE METHODE DE SUPPRESSION DE LA DECOLORATION THERMIQUE DE LA LECITHINE**
- [72] FUJIMOTO, YUKI, JP
- [72] HAYASHI, AKIHITO, JP
- [72] HAMAGUCHI, NOBUTOSHI, JP
- [73] TSUJI OIL MILLS CO., LTD., JP
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- [54] **TRAITEMENT ET SUIVI DU PRONOSTIC DES TROUBLÉS DE PROLIFERATION A L'AIDE D'INHIBITEURS DE LA VOIE HEDGEHOG**
- [72] VIRCA, NICHOLAS J., US
- [72] O'DONNELL, FRANCIS E., JR., US
- [73] MAYNE PHARMA INTERNATIONAL PTY LTD, AU
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[72] HORTON, DAVID P., CA  
[72] BRASHEAR, KIM, US  
[73] CESH INTERNATIONAL TECHNOLOGY KFT, HU  
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[72] LITTLEJOHN, MARK B., US  
[72] BREINING, MICHAEL A., US  
[73] GPCP IP HOLDINGS LLC, US  
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[54] RADIANT A UTILISER DANS LA SECTION DE RADIANTS D'UN GENERATEUR A FEU DIRECT  
[72] PETELA, GRAZYNA, CA  
[72] BENUM, LESLIE WILFRED, CA  
[72] CROWE, JEFFREY STEPHEN, CA  
[72] HOSEINI, SEYED MAJID, CA  
[73] NOVA CHEMICALS CORPORATION, CA  
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[54] ANTIBACTERIENS HYBRIDES A BASE D'OXAZOLIDINONE-QUINOLONE POUR LE TRAITEMENT PARENTERAL OU LA PROPHYLAXIE DE MALADIES BACTERIENNES  
[72] KAPSNER, THOMAS, DE  
[72] DALHOFF, AXEL, DE  
[72] GRAMATTE, THOMAS, DE  
[73] MORPHOCHEM GMBH, DE  
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[72] WELSCHINGER, THOMAS, DE  
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[73] SULZER MANAGEMENT AG, CH  
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[54] PROTEINES DE LIAISON A L'ANTIGENE QUI SE LIENT A PD-1  
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[72] SWANSON, BARBARA A., US  
[72] GRAY, JOHN DIXON, US  
[72] KAUFMANN, GUNNAR F., US  
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- [25] EN
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- [54] COMPOSITION POUR AMELIORER LA QUALITE DU SPERME CHEZ UN SUJET MASCULIN
- [72] JAKOBSEN, HENRIK BYRIAL, DK
- [72] GIVERSEN, INA, DK
- [73] NERTHUS APS, DK
- [85] 2015-11-30
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- [54] ADMINISTRATION ET UTILISATION DE SYSTEMES CRISPR-CAS, VECTEURS ET COMPOSITIONS POUR LE CIBLAGE ET LE TRAITEMENT DU FOIE
- [72] ZHANG, FENG, US
- [72] CONG, LE, US
- [72] RAN, FEI, US
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- [73] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US
- [73] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US
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[72] KRUPKA, CHRISTINA, DE  
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[54] TOOL FOR HOT STAMPING AND METHOD FOR MAKING THE TOOL  
[54] OUTIL D'ESTAMPAGE A CHAUD ET PROCEDE DE FABRICATION DE L'OUTIL  
[72] SCHLEICHERT, EDWARD, DE  
[72] WILSON, JASON, CA  
[72] FABISCHECK, MARK, CA  
[72] METZ, JIM, US  
[72] ADAM, NICK, CA  
[73] MAGNA AUTOMOTIVE SERVICES GMBH, DE  
[85] 2016-05-10  
[86] 2014-12-08 (PCT/CA2014/000877)  
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[30] DE (102014200234.6) 2014-01-09
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[11] **2,930,393**  
[13] C

- [51] Int.Cl. C12N 15/113 (2010.01) A61K 47/54 (2017.01) A61K 31/713 (2006.01) C07H 21/00 (2006.01) C12N 15/87 (2006.01)  
[25] EN  
[54] CARBOHYDRATE CONJUGATES AS DELIVERY AGENTS FOR OLIGONUCLEOTIDES  
[54] CONJUGUES GLUCIDIQUES UTILISES EN TANT QU'AGENTS D'ADMINISTRATION POUR DES OLIGONUCLEOTIDES  
[72] MANOHARAN, MUTHIAH, US  
[72] RAJEEV, KALLANTHOTTATHIL G., US  
[72] NARAYANANNAIR, JAYAPRAKASH K., US  
[72] MAIER, MARTIN, US  
[73] ALNYLAM PHARMACEUTICALS, INC., US  
[86] (2930393)  
[87] (2930393)  
[22] 2008-12-04  
[62] 2,708,153  
[30] US (60/992,309) 2007-12-04  
[30] US (61/013,597) 2007-12-13  
[30] US (61/127,751) 2008-05-14  
[30] US (61/091,093) 2008-08-22  
[30] US (61/097,261) 2008-09-16
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[11] **2,930,707**  
[13] C

- [51] Int.Cl. G01M 7/02 (2006.01) H04B 11/00 (2006.01) H04B 17/00 (2015.01)  
[25] EN  
[54] STANDING WAVE REDUCTION IN DIRECT FIELD ACOUSTIC TESTING  
[54] REDUCTION DES ONDES STATIONNAIRES LORS D'ESSAIS ACOUSTIQUES EN CHAMP DIRECT  
[72] LARKIN, PAUL, US  
[72] POLK, MATTHEW, US  
[72] HAYES, DANN, US  
[72] SULLIVAN, MICHAEL, US  
[72] ISAACS, ARTHUR, US  
[73] MSI DFAT LLC, US  
[85] 2016-05-13  
[86] 2014-11-17 (PCT/US2014/065990)  
[87] (WO2015/073985)  
[30] US (61/904,931) 2013-11-15

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[13] C

[51] Int.Cl. A61K 33/00 (2006.01) A61P  
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[25] EN

[54] PROPHYLACTIC USE OF  
BROMIDE TO PREVENT STRESS  
OR ANXIETY-INDUCED  
INANITION IN AN ANIMAL  
PRIOR TO SUBJECTING THE  
ANIMAL TO A MARKETING OR  
MANAGEMENT PRACTICE

[54] UTILISATION  
PROPHYLACTIQUE DE  
BROMURE POUR PREVENIR  
L'INANITION CAUSEE PAR LE  
STRESS OU L'ANXIETE DANS UN  
ANIMAL AVANT DE SOUMETTRE  
L'ANIMAL A UNE PRATIQUE DE  
COMMERCIALISATION OU DE  
GESTION

[72] QUINN, JANE, AU  
[72] EDWARDS, SCOTT, AU  
[72] COMBS, MARTIN, AU  
[73] CHARLES STURT UNIVERSITY, AU  
[85] 2016-05-18  
[86] 2014-11-20 (PCT/AU2014/050362)  
[87] (WO2015/074114)  
[30] AU (2013904516) 2013-11-20

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[11] **2,931,044**

[13] C

[51] Int.Cl. F01D 21/04 (2006.01) F01D  
25/16 (2006.01)

[25] FR

[54] DEVICE FOR CENTERING AND  
GUIDING IN ROTATION WITH A  
TURBOMACHINE SHAFT AND  
COMPRISING METHODS FOR  
RETAINING THE BEARING  
OUTER RACE

[54] DISPOSITIF POUR LE CENTRAGE  
ET LE GUIDAGE EN ROTATION  
D'UN ARBRE DE  
TURBOMACHINE COMPRENANT  
DES MOYENS DE RETENTION DE  
BAGUE EXTERIEURE DE PALIER

[72] SERVANT, REGIS EUGENE HENRI,  
FR  
[72] ANTUNES, SERGE LOUIS, FR  
[72] BELLAY, JULIE, FR  
[72] CRETIN, FABRICE, FR  
[72] LOURIT, DAMIEN, FR  
[73] SNECMA, FR  
[85] 2016-05-18  
[86] 2014-11-25 (PCT/FR2014/053020)  
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[13] C

[51] Int.Cl. C22B 9/05 (2006.01) C22B  
21/06 (2006.01)

[25] EN

[54] ULTRASONIC PROBES WITH GAS  
OUTLETS FOR DEGASSING OF  
MOLTEN METALS

[54] SONDES A ULTRASONS AVEC  
SORTIES DE GAZ POUR LE  
DEGAZAGE DE METAUX EN  
FUSION

[72] RUNDQUIST, VICTOR F., US  
[73] SOUTHWIRE COMPANY, LLC, US  
[85] 2016-05-18  
[86] 2014-11-17 (PCT/US2014/065912)  
[87] (WO2015/073951)  
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[11] **2,931,300**

[13] C

[51] Int.Cl. B01D 53/00 (2006.01) B01D  
53/04 (2006.01)

[25] EN

[54] A RTSA METHOD USING  
ADSORBENT STRUCTURE FOR  
CO<sub>2</sub> CAPTURE FROM LOW  
PRESSURE AND LOW  
CONCENTRATION SOURCES

[54] PROCEDE RTSA FAISANT APPEL  
A UNE STRUCTURE  
ADSORBANTE POUR CAPTURER  
LE CO<sub>2</sub> ISSU DE SOURCES A  
FAIBLE CONCENTRATION ET A  
BASSE PRESSION

[72] CHEN, YUDONG, US  
[72] MONEREAU, CHRISTIAN, FR  
[72] SANDERS, EDGAR S., JR., US  
[72] TESSIER, PASCAL, US  
[73] L'AIR LIQUIDE, SOCIETE  
ANONYME POUR L'ETUDE ET  
L'EXPLOITATION DES PROCEDES  
GEORGES CLAUDE, FR  
[85] 2016-05-20  
[86] 2014-11-20 (PCT/US2014/066721)  
[87] (WO2016/003484)  
[30] US (14/084,945) 2013-11-20

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[13] C

[51] Int.Cl. G01N 33/50 (2006.01) G16H  
50/30 (2018.01) G01N 33/92 (2006.01)

[25] EN

[54] MULTIPLE-MARKER RISK  
PARAMETERS PREDICTIVE OF  
CONVERSION TO DIABETES

[54] PARAMETRES DE RISQUE A  
MARQUEUR MULTIPLE  
PREDICTIFS DE CONVERSION  
AU DIABETE

[72] OTVOS, JAMES D., US  
[72] SHALAUROVA, IRINA Y., US  
[73] LIPOSCIENCE, INC., US  
[85] 2016-05-25  
[86] 2015-01-05 (PCT/US2015/010184)  
[87] (WO2015/103553)  
[30] US (61/923,855) 2014-01-06

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[13] C

[51] Int.Cl. G01N 33/50 (2006.01) G01N  
33/68 (2006.01) G01N 33/74 (2006.01)

[25] EN

[54] QUANTIFICATION OF  
GLUCOCORTICOIDS IN FISH  
SCALES AS BIOMARKERS FOR  
CHRONIC STRESS

[54] QUANTIFICATION DE  
GLUCOCORTICOIDES DANS DES  
ECAILLES DE POISSON EN TANT  
QUE BIOMARQUEURS POUR LE  
STRESS CHRONIQUE

[72] AERTS, JOHAN, BE  
[72] DE SAEGER, SARAH, BE  
[73] UNIVERSITEIT GENT, BE  
[73] INSTITUUT VOOR LANDBOUW- EN  
VISSERIJONDERZOEK (ILVO), BE  
[85] 2016-06-01  
[86] 2014-12-17 (PCT/EP2014/078117)  
[87] (WO2015/091591)  
[30] EP (13198450.2) 2013-12-19  
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[13] C

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[25] EN  
[54] CONCURRENT TREATMENT OF ORAL AND SYSTEMIC MALADIES IN ANIMALS USING ELECTRICAL CURRENT  
[54] TRAITEMENT CONCOMITANT DE MALADIES BUCCALES ET SYSTEMIQUES CHEZ LES ANIMAUX AU MOYEN D'UN COURANT ELECTRIQUE  
[72] AZLEIN, JAMES G., US  
[72] NEMEH, ISSAM, US  
[72] LEIMKUEHLER, WILLIAM J., US  
[73] BIOELECTRICS LLC, US  
[85] 2016-06-01  
[86] 2014-12-03 (PCT/US2014/068361)  
[87] (WO2015/088858)  
[30] US (14/102,171) 2013-12-10
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[11] **2,932,893**  
[13] C

- [51] Int.Cl. H04N 21/431 (2011.01)  
[25] EN  
[54] USER INTERFACE TECHNIQUES FOR TELEVISION CHANNEL CHANGES  
[54] TECHNIQUES D'INTERFACE UTILISATEUR DESTINEES AU CHANGEMENT DE CHAINES DE TELEVISION  
[72] PARK, JOONYOUNG, US  
[72] PARK, JIHYUN, KR  
[72] MEHTA, SAMIR, US  
[73] OPENTV, INC., US  
[85] 2016-06-06  
[86] 2014-12-04 (PCT/US2014/068565)  
[87] (WO2015/085067)  
[30] US (14/099,805) 2013-12-06
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[13] C

- [51] Int.Cl. C22B 1/20 (2006.01) C22B 7/02 (2006.01) C22B 23/02 (2006.01)  
[25] EN  
[54] METHOD FOR EXPLOITING DUSTS GENERATED IN A FERRONICKEL PROCESS AND SINTERED PELLETS PRODUCED BY THE METHOD  
[54] PROCEDE D'EXPLOITATION DE POUSSIERES PRODUITES AU COURS D'UN PROCESSUS AU FERRONICKEL ET PASTILLES FRITTEES PRODUISES PAR LE PROCEDE  
[72] KROGERUS, HELGE, FI  
[72] MAKELA, PASI, FI  
[72] KIVINEN, VISA, FI  
[73] OUTOTEC (FINLAND) OY, FI  
[85] 2016-06-08  
[86] 2014-12-16 (PCT/FI2014/051004)  
[87] (WO2015/092132)  
[30] FI (20136274) 2013-12-17
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[11] **2,933,441**  
[13] C

- [51] Int.Cl. A23L 2/60 (2006.01) A23L 27/00 (2016.01) A23L 27/20 (2016.01) A23L 27/30 (2016.01) A23L 33/12 (2016.01) A23L 2/52 (2006.01) A23L 2/56 (2006.01)  
[25] EN  
[54] MODULATION OF BITTERNESS AND MOUTHFEEL VIA SYNERGISTIC MIXTURES OF LONG CHAIN FATTY ACIDS  
[54] MODULATION DE L'AMERTUME ET DE LA SENSATION EN BOUCHE PAR DES MELANGES SYNERGIQUES D'ACIDES GRAS A LONGUE CHAINE  
[72] AGLIONE, ANTHONY, US  
[72] CASSUTT, KELLY J., US  
[72] DRAGAN, SOFYA, US  
[72] GRAVINA, STEPHEN, US  
[72] KURASH, YULIYA, US  
[72] JOHNSON, WINSOME, US  
[73] PEPSICO, INC., US  
[85] 2016-06-09  
[86] 2014-12-08 (PCT/US2014/068996)  
[87] (WO2015/094729)  
[30] US (61/918,709) 2013-12-20
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[11] **2,933,846**  
[13] C

- [51] Int.Cl. C07C 229/36 (2006.01) C07C 251/24 (2006.01) C07C 271/22 (2006.01) C07F 5/02 (2006.01) C07F 7/22 (2006.01) C07B 59/00 (2006.01)  
[25] EN  
[54] A METHOD FOR PRODUCING 2-FLUORO-4-BORONO-L-PHENYLALANINE, AND PRECURSOR OF 2-FLUORO-4-BORONO-L-PHENYLALANINE  
[54] UNE METHODE DE PRODUCTION DE 2-FLUORO-4-BORONO-L-PHENYLALANINE ET D'UN PRECURSEUR DE 2-FLUORO-4-BORONO-L-PHENYLALANINE  
[72] TAKENAKA, HIROSHI, JP  
[72] OHTA, YOICHIRO, JP  
[72] TAGUCHI, YUSUKE, JP  
[72] UEDA, SAYURI, JP  
[72] ISHINO, YUKO, JP  
[72] YOSHIKAWA, TOMOHIRO, JP  
[72] NAKASHIMA, HIDEKI, JP  
[72] UEHARA, KOHKI, JP  
[72] KIRIHATA, MITSUNORI, JP  
[73] STELLA PHARMA CORPORATION, JP  
[73] OSAKA PREFECTURE UNIVERSITY PUBLIC CORPORATION, JP  
[85] 2016-06-14  
[86] 2014-12-16 (PCT/JP2014/083243)  
[87] (WO2015/093469)  
[30] JP (2013-260451) 2013-12-17

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[13] C

- [51] Int.Cl. C07D 401/14 (2006.01) A61K 31/506 (2006.01) A61K 31/5377 (2006.01) A61K 31/541 (2006.01) A61P 7/00 (2006.01) A61P 9/00 (2006.01) A61P 17/02 (2006.01) C07D 413/14 (2006.01) C07D 417/14 (2006.01) C07D 491/107 (2006.01)
- [25] EN
- [54] **SUBSTITUTED PIPERIDINYL-TETRAHYDROQUINOLINES AND THEIR USE AS ALPHA-2C ADRENORECEPTOR ANTAGONISTS**
- [54] **PIPERIDINYL-TETRAHYDROQUINOLINES SUBSTITUES ET LEUR UTILISATION COMME ANTAGONISTES DE L'ADRENORECEPTEUR ALPHA-2C**
- [72] BECKER-PELSTER, EVA MARIA, DE
- [72] BUCHGRABER, PHILIPP, DE
- [72] BUCHMULLER, ANJA, DE
- [72] ENGEL, KAREN, DE
- [72] GEISS, VOLKER, DE
- [72] GOLLER, ANDREAS, DE
- [72] HIMMEL, HERBERT, DE
- [72] KAST, RAIMUND, DE
- [72] KNORR, ANDREAS, DE
- [72] LANG, DIETER, DE
- [72] REDLICH, GORDEN, DE
- [72] SCHMECK, CARSTEN, DE
- [72] TINEL, HANNA, DE
- [72] WUNDER, FRANK, DE
- [73] BAYER PHARMA AKTIENGESELLSCHAFT, DE
- [85] 2016-06-16
- [86] 2014-12-16 (PCT/EP2014/077862)
- [87] (WO2015/091414)
- [30] EP (13198385.0) 2013-12-19
- [30] EP (14192877.0) 2014-11-12

[11] **2,935,286**  
[13] C

- [51] Int.Cl. B65G 21/00 (2006.01)
- [25] EN
- [54] **CLEANABLE CONVEYOR FRAME ASSEMBLY INCLUDING SNAP-ON COMPONENTS**
- [54] **ENSEMBLE CADRE DE TRANSPORTEUR A COURROIE NETTOYABLE COMPRENANT DES COMPOSANTS ENCLIQUEABLES**
- [72] BATCHELDER, JEFF, US
- [72] DEGROOT, MICHAEL HENDRIK, US
- [72] OONK, FRISO ANTONIUS MARIA, NL
- [72] WOLTERS, LAURENTIUS G.J., NL
- [72] HONEYCUTT, JAMES R., JR., US
- [72] MOL, EDWARD T., US
- [72] MARSHALL, ANGELA LONGO, US
- [72] MACLACHLAN, GILBERT J., US
- [72] DEPASO, JOSEPH M., US
- [72] DEROCHE, TIMOTHY J., US
- [73] LAITRAM, L.L.C., US
- [85] 2016-06-27
- [86] 2015-01-23 (PCT/US2015/012560)
- [87] (WO2015/112782)
- [30] US (61/931,066) 2014-01-24

[11] **2,936,325**  
[13] C

- [51] Int.Cl. B65D 17/32 (2006.01)
- [25] EN
- [54] **LID FOR CONTAINERS OF SUBSTANCES AND CONTAINER OF SUBSTANCES COMPRISING SAID LID**
- [54] **COUVERCLE CONTENANTS DE SUBSTANCES ET CONTENANT DE SUBSTANCES COMPRENANT CE COUVERCLE**
- [72] MENTASTI GRANELLI, KERRY, GB
- [73] INTERNATIONAL PATENTS AND BRANDS CORPORATION, PA
- [85] 2016-07-08
- [86] 2015-01-07 (PCT/IB2015/050115)
- [87] (WO2015/104659)
- [30] IT (UD2014A000003) 2014-01-08
- [30] IT (UD2014A000145) 2014-08-22

[11] **2,936,617**  
[13] C

- [51] Int.Cl. G01N 27/453 (2006.01)
- [25] EN
- [54] **CASSETTES FOR USE IN AUTOMATED PARALLEL ELECTROPHORETIC ASSAYS AND METHODS FOR MANUFACTURING AND USING SAME**
- [54] **CASSETTES A UTILISER LORS D'ANALYSES ELECTROPHORETIQUES PARALLELES AUTOMATISEES ET LEURS PROCEDES DE FABRICATION ET D'UTILISATION**
- [72] SLOBODAN, JARED, CA
- [72] NESBITT, MATTHEW, CA
- [72] NOBLES, ANDREW, CA
- [72] BAILLIE, KEVIN, CA
- [73] YOURGENE HEALTH CANADA INC., CA
- [85] 2016-07-12
- [86] 2015-01-16 (PCT/CA2015/050031)
- [87] (WO2015/106356)
- [30] US (61/929,009) 2014-01-17

[11] **2,935,726**  
[13] C

- [51] Int.Cl. B65G 23/06 (2006.01) F16H 7/02 (2006.01)
- [25] EN
- [54] **SNAP-ON POSITION LIMITER FOR A CONVEYOR BELT**
- [54] **LIMITEUR DE POSITION A ENCLIQUEAGE POUR UNE COURROIE TRANPORTEUSE**
- [72] BATCHELDER, JEFF, US
- [72] DEGROOT, MICHAEL HENDRIK, US
- [72] OONK, FRISO ANTONIUS MARIA, NL
- [72] WOLTERS, LAURENTIUS G.J., NL
- [72] MOL, EDWARD T., US
- [72] MA, RUIZHE, US
- [72] MELLINK, ROEL MARCEL, NL
- [72] HULSHOF, GERKO, NL
- [73] LAITRAM, L.L.C., US
- [85] 2016-06-30
- [86] 2015-01-22 (PCT/US2015/012385)
- [87] (WO2015/112674)
- [30] US (61/931,058) 2014-01-24
- [30] US (62/006,427) 2014-06-02
- [30] US (62/061,346) 2014-10-08

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**[11] 2,937,068**  
[13] C

- [51] Int.Cl. H05B 6/10 (2006.01) A24F 40/465 (2020.01)  
 [25] EN  
 [54] INDUCTIVE HEATING DEVICE, AEROSOL-DELIVERY SYSTEM COMPRISING AN INDUCTIVE HEATING DEVICE, AND METHOD OF OPERATING SAME  
 [54] DISPOSITIF DE CHAUFFAGE PAR INDUCTION, SYSTEME DE DISTRIBUTION D'AEROSOL COMPRENANT UN DISPOSITIF DE CHAUFFAGE PAR INDUCTION ET PROCEDE D'UTILISATION CORRESPONDANT  
 [72] FURSA, OLEG, CH  
 [72] MIRONOV, OLEG, CH  
 [72] ZINOVIK, IHAR NIKOLAEVICH, CH  
 [73] PHILIP MORRIS PRODUCTS S.A., CH  
 [85] 2016-07-15  
 [86] 2015-05-21 (PCT/EP2015/061202)  
 [87] (WO2015/177257)  
 [30] EP (14169191.5) 2014-05-21
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**[11] 2,937,820**  
[13] C

- [51] Int.Cl. G06F 21/57 (2013.01) G06F 9/455 (2018.01)  
 [25] EN  
 [54] EFFICIENT VULNERABILITY MANAGEMENT AND VERIFICATION SERVICE  
 [54] SERVICE DE VERIFICATION ET DE GESTION DE VULNERABILITE EFFICACE  
 [72] LIETZ, M. SHANNON, US  
 [72] CABRERA, LUIS FELIPE, US  
 [72] NISLY, BARRY J., US  
 [72] NEHER, TED R., III, US  
 [72] GODINEZ, JAVIER, US  
 [73] INTUIT INC., US  
 [85] 2016-07-22  
 [86] 2015-02-26 (PCT/US2015/017674)  
 [87] (WO2015/130897)  
 [30] US (14/192,529) 2014-02-27

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[13] C

- [51] Int.Cl. A61K 9/16 (2006.01) A61P 33/14 (2006.01)  
 [25] EN  
 [54] ECTOPARASITE FORMULATION  
 [54] FORMULATION ECTOPARASITAIRE  
 [72] CLEVERLY, DOUGLAS ROBERT, NZ  
 [72] GILL, DAVID ANTHONY, NZ  
 [72] MORROW, DESMOND IAN JOHN, NZ  
 [73] ARGENTA INNOVATION LIMITED, NZ  
 [85] 2016-08-02  
 [86] 2015-02-04 (PCT/IB2015/050857)  
 [87] (WO2015/118468)  
 [30] US (61/935,835) 2014-02-04
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[13] C

- [51] Int.Cl. A01N 43/653 (2006.01) A01N 25/02 (2006.01) A01N 25/30 (2006.01) A01N 43/56 (2006.01) A01P 3/00 (2006.01) A01P 7/00 (2006.01) A01P 13/00 (2006.01) A01P 21/00 (2006.01)  
 [25] EN  
 [54] EMULSIFIABLE CONCENTRATE COMPRISING PESTICIDE, FATTY AMIDE AND LACTAMIDE  
 [54] CONCENTRAT EMULSIONNABLE RENFERMANT UN PESTICIDE, DE L'AMIDE GRAS ET DU LACTAMIDE  
 [72] MERTOGLU, MURAT, BR  
 [72] BECHTEL, STEFAN, DE  
 [72] ANNAWALD, NATASCHA, DE  
 [72] ANNAWALD, MARCUS, DE  
 [73] BASF AGRO B.V., NL  
 [85] 2016-08-04  
 [86] 2015-02-10 (PCT/EP2015/052695)  
 [87] (WO2015/121219)  
 [30] EP (14155251.3) 2014-02-14

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[13] C

- [51] Int.Cl. A41D 13/08 (2006.01) A61F 5/02 (2006.01) A61F 13/10 (2006.01)  
 [25] EN  
 [54] WRIST JOINT BANDAGE  
 [54] BANDAGE D'ARTICULATION DE POIGNET  
 [72] TSUCHIYA, AKIHARU, JP  
 [72] OJIMA, HITOSHI, JP  
 [72] KASENO, HIDENORI, JP  
 [73] KOWA COMPANY, LTD., JP  
 [85] 2016-08-16  
 [86] 2015-03-03 (PCT/JP2015/056223)  
 [87] (WO2015/133480)  
 [30] JP (2014-040936) 2014-03-03
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[13] C

- [51] Int.Cl. C07K 14/435 (2006.01) C07K 14/47 (2006.01) C12N 9/12 (2006.01)  
 [25] EN  
 [54] TATK-CDKL5 FUSION PROTEINS, COMPOSITIONS, FORMULATIONS, AND USE THEREOF  
 [54] PROTEINES DE FUSION TATK-CDKL5, COMPOSITIONS, FORMULATIONS ET UTILISATION DE CELLES-CI  
 [72] CIANI, ELISABETTA, IT  
 [72] LACCONI, FRANCO, AT  
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 [72] GAINES, CHARLES, US  
 [73] INTERNATIONAL BUSINESS MACHINES CORPORATION, US  
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  - [72] MANASAS, MARK A., US
  - [72] COATS, ANDREW, US
  - [72] CAPLAN, JAY, US
  - [72] RAJAGOPALAN, HARITH, US
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- [54] MOUSSE POLYETHYLENE NON RETICULEE A TEMPERATURE ELEVEE ET SES PROCEDES DE FABRICATION
- [72] KUNDU, DEBABRATA, US
- [73] HICKORY SPRINGS MANUFACTURING COMPANY, US
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  - [54] PROCEDE AMELIORE POUR LA PREPARATION D'EXAMETAZIME
  - [72] BISWAS, SUJAY, IN
  - [72] BANSAL, VIKAS, IN
  - [72] CHAKRAVARTY, ROHIT, IN
  - [72] PRASAD, MOKKAPATI UMAMAHESHWAR, IN
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  - [73] JUBILANT GENERICS LIMITED, IN
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- [72] TAN, SEK YEE, US
- [72] SHEETS, JOEL J., US
- [72] GLANCY, TODD P., US
- [72] MC LAUGHLIN, KAREN C., US
- [72] WOOSLEY, AARON T., US
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  - [25] EN
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  - [54] LOGICIEL, SYSTEME ET PROCEDE AMELIORES POUR LA RECHERCHE, L'IDENTIFICATION, LA RECUPERATION ET LA PRESENTATION DE DOCUMENTS ELECTRONIQUES
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  - [72] Suvorova, Ekaterina, US
  - [73] CAMELOT UK BIDCO LIMITED, GB
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- [54] NOUVEAUX COMPOSES DE SUCCINATE PERMEABLES A TRAVERS LES CELLULES
- [72] ELMER, ESKIL, SE
- [72] HANSSON, MAGNUS JOAKIM, SE
- [72] EHINGER, KARL HENRIK JOHANNES, SE
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[54] CONTROLES POUR LA MISE EN OEUVRE DE PROCEDES D'ANALYSE MULTIPLEXE  
[72] VEDRINE, CHRISTOPHE RENE ROGER, FR  
[72] LAMBERT, NADINE MARIE RENEE, FR  
[73] BIO-RAD EUROPE GMBH, CH  
[85] 2016-10-03  
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[54] DERIVE D'ACIDE PHOSPHONIQUE DE PHENANTHROLINE ET SON PROCEDE DE PREPARATION ET D'UTILISATION  
[72] ZHU, YUE, CN  
[72] LIAO, YUZHEN, CN  
[72] ZHANG, LI, CN  
[72] BAI, XU, CN  
[73] XIAMEN BERYL THERAPEUTICS, INC., CN  
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[25] EN  
[54] METHOD, SYSTEM, AND COMPUTER PROGRAM PRODUCT FOR ESTABLISHING A TEMPORARY REMOTE CONTROL ASSOCIATION BETWEEN A MOBILE DEVICE AND A PERIPHERAL DEVICE  
[54] PROCEDE, SYSTEME ET PROGRAMME INFORMATIQUE POUR L'ETABLISSEMENT D'UN COUPLAGE TEMPORAIRE A DISTANCE D'UN DISPOSITIF MOBILE A UN DISPOSITIF PERIPHERIQUE  
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[73] DORMAKABA CANADA INC., CA  
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[25] FR  
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[72] RAMBAUD, PASCAL, FR  
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[72] PICARD, LIONEL, FR  
[72] PRAS, OLIVIER, FR  
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[72] KARSIDAG, SULEYMAN TARKAN, CA  
[72] DESY, PHILIPPE, CA  
[73] BOMBARDIER INC., CA  
[73] AIRBUS CANADA LIMITED PARTNERSHIP, CA  
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  - [73] ILLUMINA CAMBRIDGE LIMITED, GB
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- [54] PROCEDES ET COMPOSITIONS POUR LE TRAITEMENT DE LA FIBROSE KYSTIQUE
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  - [54] DISPOSITIF DE TRAITEMENT DE DONNEES ET METHODE POUR DIMINUER LE RAPPORT DE PUISSANCES DU SIGNAL/BRUIT PAR SYMBOLE POUR UN TAUX D'ERREURS SUR LESBITS SELECTIONNE D'UN SIGNAL DE DIFFUSION DE TELEVISION NUMERIQUE
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  - [72] YAMAMOTO, MAKIKO, JP
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  - [73] SONY CORPORATION, JP
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- [54] LUMINAIRE AYANT UNE POSITION ANGULAIRE FIXE ET MODULE DE LAMPE POUR DES LUMINAIRES
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- [73] HUBBELL LIGHTING, INC., US
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  - [54] INTEGRATED FILTER AND GRATING IN AN AIMING SIGHT
  - [54] FILTRE ET RESEAU INTEGRES DANS UN VISEUR
  - [72] DEHMLOW, BRIAN PAUL, US
  - [72] VENTOLA, DAVID EDWIN, US
  - [72] RYZI, ZBYNEK, US
  - [73] EOTECH, LLC, US
  - [85] 2016-11-09
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- [25] EN
- [54] DEVICE FOR ANALYSING AN OXIDISABLE MOLTEN METAL USING A LIBS TECHNIQUE
- [54] DISPOSITIF D'ANALYSE D'UN METAL EN FUSION OXYDABLE PAR TECHNIQUE LIBS
- [72] BENMANSOUR, MALEK, FR
- [72] BENRABBAH, RAFIK, FR
- [72] GARANDET, JEAN-PAUL, FR
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- [73] COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES, FR
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- [54] AGENCEMENT DE CAPTEUR POUR MESURER L'HUMIDITE ET LA PRESENCE D'UNE PERSONNE SUR UNE BASE
- [72] LINDSTROM, JUHA, FI
- [72] PIIPPONEN, ATTE, FI
- [72] SUNDHOLM, GORAN, FI
- [73] MARICARE OY, FI
- [85] 2016-12-12
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- [30] FI (20145680) 2014-07-18
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- [54] APPAREIL DE BOITE A EAU ET METHODE
- [72] MCRAE, RALPH DOUGLAS, CA
- [73] REVOLUTION RESOURCE RECOVERY INC., CA
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- [72] WANG, YE-KUI, US
- [73] QUALCOMM INCORPORATED, US
- [85] 2016-12-15
- [86] 2015-06-15 (PCT/US2015/035853)
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- [25] EN
- [54] PRODUCTION METHOD OF MARINE PRODUCT-DERIVED FREE MONOUNSATURATED FATTY ACIDS OR LOWER ALCOHOL ESTERS THEREOF
- [54] METHODE DE PRODUCTION D'ACIDES GRAS MONO-INSATURES LIBRES DERIVES DE PRODUITS DE LA MER OU D'ESTERS A FAIBLE TENEUR EN ALCOOL DE CEUX-CI
- [72] SATO, SEIZO, JP
- [72] FUKAE, TAKURO, JP
- [72] OHTSUKA, NAOMI, JP
- [72] YAMAGUCHI, HIDEAKI, JP
- [73] NIPPON SUISAN KAISHA, LTD., JP
- [85] 2016-12-21
- [86] 2015-07-02 (PCT/JP2015/069090)
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- [54] PROCEDE DE PURIFICATION DE PEROXYDE D'HYDROGENE ET SOLUTION DE PEROXYDE D'HYDROGENE
- [72] ZYDOWICZ, PHILIPPE, FR
- [72] REQUIEME, BENOIT, FR
- [72] JAUFFRET, MICHEL, FR
- [73] ARKEMA FRANCE, FR
- [85] 2016-12-22
- [86] 2015-06-26 (PCT/FR2015/051732)
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- [54] DERIVES DE PIPERAZINE COMME MODULATEURS DE RORY
- [72] LEI, HUI, CN
- [72] MA, XIN, CN
- [72] REN, FENG, CN
- [72] LIN, XICHEN, CN
- [72] MARQUIS, ROBERT W., JR., US
- [73] GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED, GB
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- [86] 2015-05-26 (PCT/CN2015/079755)
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[25] EN  
[54] METHOD AND APPARATUS FOR TRANSMISSION AND RECEPTION OF MEDIA DATA  
[54] PROCEDE ET APPAREIL D'EMISSION ET DE RECEPTION DE DONNEES MULTIMEDIA  
[72] CHAMPEL, MARY-LUC, FR  
[72] DECENEUX, ALEXANDRE, FR  
[72] GUEDE, CELINE, FR  
[72] RICARD, JULIEN, FR  
[72] LLACH PINSACH, JOAN, FR  
[72] AUMONT, FRANCK, FR  
[73] INTERDIGITAL CE PATENT HOLDINGS, SAS, FR  
[85] 2016-12-28  
[86] 2015-06-25 (PCT/EP2015/064358)  
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[25] EN  
[54] METHODS FOR AND APPARATUS FOR INTERACTIVE YEARBOOKER  
[54] PROCEDES ET APPAREIL POUR ANNUAIRE INTERACTIF  
[72] DAVIDSON, FANNY CHUNG, US  
[72] DAVIDSON, ROBERT, US  
[73] YEARBOOKER, INC., US  
[85] 2016-12-29  
[86] 2015-06-12 (PCT/US2015/035489)  
[87] (WO2015/195472)  
[30] US (62/012,386) 2014-06-15  
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[25] EN  
[54] 6,7-DIHYDROPYRAZOLO[1,5-A]PYRAZIN-4(5H)-ONE COMPOUNDS AND THEIR USE AS NEGATIVE ALLOSTERIC MODULATORS OF MGLUR2 RECEPTORS  
[54] COMPOSES DE 6,7-DIHYDROPYRAZOLO [1,5-A]PYRAZIN-4(5H)-ONE ET LEUR UTILISATION EN TANT QUE MODULATEURS NEGATIFS ALLOSTÉRIQUES DES RECEPTEURS METABOTROPIQUES DU GLUTAMATE  
[72] ALONSO-DE DIEGO, SERGIO-ALVAR, ES  
[72] VAN GOOL, MICHAEL LUC MARIA, ES  
[72] DELGADO-GONZALEZ, OSCAR, ES  
[72] ANDRES-GIL, JOSE IGNACIO, ES  
[72] TRABANCO-SUAREZ, ANDRES AVELINO, ES  
[73] JANSSEN PHARMACEUTICA NV, BE  
[85] 2017-01-03  
[86] 2015-07-30 (PCT/EP2015/067530)  
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[54] 6,7-DIHYDROPYRAZOLO[1,5-A]PYRAZIN-4(5H)-ONE COMPOUNDS AND THEIR USE AS NEGATIVE ALLOSTERIC MODULATORS OF MGLUR2 RECEPTORS  
[54] 6,7-DIHYDROPYRAZOLO [1,5-A]PYRAZIN-4(5H)-ONE COMPOSES ET LEUR UTILISATION COMME MODULATEURS ALLOSTÉRIQUES NEGATIFS DES RECEPTEURS MGLUR2  
[72] ANDRES-GIL, JOSE IGNACIO, ES  
[72] VAN GOOL, MICHAEL LUC MARIA, ES  
[72] TRABANCO-SUAREZ, ANDRES AVELINO, ES  
[72] DE LUCAS OLIVARES, ANA ISABEL, ES  
[72] ALONSO-DE DIEGO, SERGIO-ALVAR, ES  
[72] DELGADO-GONZALEZ, OSCAR, ES  
[73] JANSSEN PHARMACEUTICA NV, BE  
[85] 2017-01-04  
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[54] **6,7-DIHYDROPYRAZOLO[1,5-A]PYRAZIN-4(5H)-ONE COMPOUNDS AND THEIR USE AS NEGATIVE ALLOSTERIC MODULATORS OF MGLUR2 RECEPTORS**  
[54] **COMPOSES DE 6,7-DIHYDROPYRAZOLO[1,5-A]PYRAZIN-4(5H)-ONE ET LEUR UTILISATION EN TANT QUE MODULATEURS NEGATIFS ALLOSTERIQUES DES RECEPTEURS METABOTROPIQUES DU MGLUR2**  
[72] CONDE-CEIDE, SUSANA, ES  
[72] VAN GOOL, MICHAEL LUC MARIA, ES  
[72] MARTIN-MARTIN, MARIA LUZ, ES  
[73] JANSSEN PHARMACEUTICA NV, BE  
[85] 2017-01-04  
[86] 2015-07-30 (PCT/EP2015/067538)  
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[25] EN  
[54] **MODULAR COMPOSTING GARDEN CONTAINER, SYSTEM, AND METHOD OF USE**  
[54] **CONTENANT DE JARDIN DE COMPOSTAGE MODULAIRE, SYSTEME ET PROCEDE D'UTILISATION**  
[72] CUDMORE, COLIN, US  
[72] GRANT, JOEL BAUCHAT, US  
[73] CUDMORE, COLIN, US  
[73] GRANT, JOEL BAUCHAT, US  
[85] 2017-01-12  
[86] 2015-07-09 (PCT/US2015/039628)  
[87] (WO2016/010795)  
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[25] EN  
[54] **METHOD AND SYSTEM FOR WELDING**  
[54] **PROCEDE ET SYSTEME DE SOUDAGE**  
[72] RAJAGOPALAN, SHANKAR, US  
[73] CRC-EVANS PIPELINE INTERNATIONAL INC., US  
[85] 2017-01-25  
[86] 2015-08-28 (PCT/US2015/047603)  
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[25] EN  
[54] **MICROBIOCIDES COMPRISING MMDTC AND DMDTC OR SALTS THEREOF, AND USES THEREOF**  
[54] **MICROBIOCIDES COMPRENANT MMDTC ET DMDTC OU DES SELS CONNEXES, ET UTILISATIONS CONNEXES**  
[72] SUMRALL, THEODORE S., US  
[72] MCNEEL, THOMAS E., US  
[73] BUCKMAN LABORATORIES INTERNATIONAL, INC., US  
[85] 2017-01-26  
[86] 2015-07-30 (PCT/US2015/042793)  
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- [51] Int.Cl. A61M 1/16 (2006.01)  
[25] EN  
[54] **DEVICE FOR DETECTING THE DIRECTION OF FLUID FLOW THROUGH A DIALYSER**  
[54] **DISPOSITIF DE DETECTION DU SENS DE L'ECOULEMENT DU LIQUIDE A TRAVERS UN DIALYSEUR**  
[72] MAIERHOFER, ANDREAS, DE  
[73] FRESENIUS MEDICAL CARE DEUTSCHLAND GMBH, DE  
[85] 2017-01-27  
[86] 2015-07-20 (PCT/EP2015/066577)  
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[25] EN  
[54] **SEMI-SEALED ROTARY DRILL TOOL**  
[54] **OUTIL DE FORAGE ROTATIF SEMI-ETANCHE**  
[72] FINNMAN, KARL-OSKAR, SE  
[73] SANDVIK INTELLECTUAL PROPERTY AB, SE  
[85] 2017-01-27  
[86] 2015-08-24 (PCT/EP2015/069314)  
[87] (WO2016/030309)  
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[25] FR  
[54] **DEVICE AND METHOD FOR TRAPPING FLYING INSECT PESTS**  
[54] **APPAREIL ET PROCEDE POUR PRENDRE AU PIEGE DES INSECTES VOLANTS NUISIBLES**  
[72] LILLAMAND, SIMON, FR  
[72] BELLAGAMBI, PIERRE, FR  
[73] TECHNO BAM, FR  
[85] 2017-02-06  
[86] 2015-08-07 (PCT/FR2015/052180)  
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- [25] EN
- [54] BANKNOTES HAVING  
INTERRELATED FEATURES
- [54] BILLETS DE BANQUE  
PRESENTANT DES ELEMENTS  
INTERDEPENDANTS
- [72] KERKAR, BRAHIM, CH
- [72] AMON, PHILLIPPE, CH
- [73] SICPA HOLDING SA, CH
- [85] 2017-02-15
- [86] 2015-09-01 (PCT/EP2015/069919)
- [87] (WO2016/037895)
- [30] EP (14184057.9) 2014-09-09
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- [25] EN
- [54] ARRANGEMENT IN BOOM  
SYSTEM
- [54] AGENCEMENT DANS UN  
SYSTEME DE FLECHE
- [72] AUVINEN, TONI, FI
- [72] HALONEN, MARKO, FI
- [73] PONSSE OYJ, FI
- [85] 2017-02-17
- [86] 2015-08-25 (PCT/FI2015/050546)
- [87] (WO2016/030575)
- [30] FI (20145740) 2014-08-26
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- [25] EN
- [54] SPINNER FOR A PARTICULATE  
MATERIAL SPREADER
- [54] CENTRIFUGEUSE POUR  
EPANDEUSE DE MATIERE  
PARTICULAIRE
- [72] OWENBY, STEVE, US
- [73] SALFORD BBI INC., US
- [85] 2017-02-21
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- [25] EN
- [54] METHOD FOR SYNTHESIZING  
SILICOALUMINOPHOSPHATE-34  
MOLECULAR SIEVES USING  
MONOISOPROPANOLAMINE
- [54] PROCEDE DE SYNTHESE DE  
TAMIS MOLECULAIRES EN  
SILICOLUMINOPHOSPHATE-34  
EN UTILISANT DE LA MONO-  
ISOPROPANOLAMINE
- [72] ZHANG, QIUHUA, US
- [72] KORANNE, MANOJ M., US
- [73] W. R. GRACE & CO.-CONN., US
- [85] 2017-02-21
- [86] 2015-08-21 (PCT/US2015/046212)
- [87] (WO2016/029076)
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A61P 27/06 (2006.01)
- [25] EN
- [54] NITRIC OXIDE DONATING  
CARNOSINE COMPOUNDS
- [54] COMPOSES DE CARNOSINE  
DONNEURS D'OXYDE NITRIQUE
- [72] ALMIRANTE, NICOLETTA, IT
- [72] STORONI, LAURA, IT
- [72] BASTIA, ELENA, IT
- [72] BRAMBILLA, STEFANIA, IT
- [72] ROMEO, SERGIO, IT
- [73] NICOX SA, FR
- [85] 2017-03-01
- [86] 2015-09-02 (PCT/EP2015/070040)
- [87] (WO2016/034619)
- [30] EP (14183478.8) 2014-09-04
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(2006.01) F01D 5/32 (2006.01) F01D  
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- [25] FR
- [54] VANE WITH SPOILER
- [54] AUBE A BECQUET
- [72] JABLONSKI, LAURENT, FR
- [72] BARDIN, PIERRE-GUILLAUME, FR
- [72] JOLY, PHILIPPE GERARD  
EDMOND, FR
- [73] SAFRAN AIRCRAFT ENGINES, FR
- [85] 2017-03-03
- [86] 2015-09-03 (PCT/FR2015/052326)
- [87] (WO2016/038280)
- [30] FR (1458400) 2014-09-08
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E21B 43/26 (2006.01) E21B 49/00  
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- [25] EN
- [54] APPARATUS AND METHOD  
USING MEASUREMENTS TAKEN  
WHILE DRILLING TO MAP  
MECHANICAL BOUNDARIES  
AND MECHANICAL ROCK  
PROPERTIES ALONG A  
BOREHOLE
- [54] APPAREIL ET PROCEDE  
UTILISANT DES MESURES  
PRISES PENDANT LE FORAGE  
POUR CARTOGRAPHIER DES  
LIMITES MECANIQUES ET DES  
PROPRIETES MECANIQUES DE  
LA ROCHE LE LONG D'UN TROU  
DE FORAGE
- [72] NEALE, R. CHRISTOPHER, US
- [72] LAKINGS, JAMES D., US
- [73] FRACTURE ID, INC., US
- [85] 2017-03-06
- [86] 2015-09-10 (PCT/US2015/049474)
- [87] (WO2016/040669)
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AND FASTENER  
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DISPOSITIF DE FIXATION  
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[54] A CONTROL VALVE TO PERMIT  
ADJUSTABILITY OF A SHOCK  
ABSORBER  
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[25] EN  
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NON-WOVEN FABRIC AND  
TEXTILE POLYMER NET  
[54] TAMPON CHIRURGICAL  
COMPOSE DE TEXTILE NON  
TISSE ET DE FILET DE  
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[25] EN  
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CHANNEL MEMBER FOR FUEL  
CELL  
[54] METHODE DE PRODUCTION  
D'ELEMENT DE CANAL DESTINE  
A UNE PILE A COMBUSTIBLE  
[72] IMAIZUMI, TAKUZO, JP  
[72] GOTO, NAOMI, JP  
[72] SHIBA, NAOKI, JP  
[73] FUTAMURA KAGAKU KABUSHIKI  
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[72] TIPTON, JON, US  
[72] HORSFALL, ANDREW, US  
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[54] COATED COMPOSITES OF  
AL2O3-CEO2/ZRO2 AND A  
METHOD FOR THEIR  
PRODUCTION  
[54] COMPOSITES REVETUS  
D'AL2O3-CEO2/ZRO2 ET  
PROCEDE POUR LEUR  
PRODUCTION  
[72] SCHONEBORN, MARCOS, DE  
[72] GUILLEN-HURTADO, NOELIA, ES  
[72] HARNENING, THOMAS, DE  
[72] NIEMEYER, DIRK, DE  
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[25] FR  
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IN HOOKS HAVING SENSORY  
EFFECT  
[54] DISPOSITIF DE FERMETURE A  
CROCHETS DANS CROCHETS A  
EFFET SENSORIEL  
[72] FREULON, ARNAUD THIERRY  
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PATRICK, FR  
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[25] EN  
[54] PROCESS FOR THE REMOVAL  
OF ACID GASES FROM GASEOUS  
MIXTURES USING AN AQUEOUS  
SOLUTION OF 2-  
DIMETHYLAMINO-2-  
HYDROXYMETHYL-1,3-  
PROPANEDIOL  
[54] PROCEDE DESTINE A  
L'ELIMINATION DE GAZ ACIDES  
DE MELANGES GAZEUX EN  
UTILISANT UNE SOLUTION  
AQUEUSE DE 2-  
DIMETHYLAMINO-2-  
HYDROXYMETHYL-1,3-  
PROPANEDIOL  
[72] LAROCHE, CHRISTOPHE R., US  
[72] DOWDLE, JOHN R., US  
[73] DOW GLOBAL TECHNOLOGIES  
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C10L 3/10 (2006.01) C09K 15/20  
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[54] AQUEOUS SOLUTION OF 2-  
DIMETHYLAMINO-2-  
HYDROXYMETHYL-1,3-  
PROPANEDIOL USEFUL FOR  
ACID GAS REMOVAL FROM  
GASEOUS MIXTURES  
[54] SOLUTION AQUEUSE DE 2-  
DIMETHYLAMINO-2-  
HYDROXYMETHYL-1,3-  
PROPANEDIOL UTILE POUR  
L'ELIMINATION DE GAZ ACIDES  
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TREATMENT AND  
PROPHYLAXIS OF  
RESPIRATORY SYNCYTIAL  
VIRUS INFECTION (RSV)  
[54] SPIRO-INDOLINES POUR LE  
TRAITEMENT ET LA  
PROPHYLAXIE DE L'INFECTION  
PAR LE VIRUS RESPIRATOIRE  
SYNCYTIAL (RSV)  
[72] COCKERILL, STUART, GB  
[72] MATHEWS, NEIL, GB  
[72] WARD, SIMON, GB  
[72] LUNN, GRAHAM, GB  
[72] PARADOWSKI, MICHAEL, GB  
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[85] 2017-04-05  
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[25] EN  
[54] SYSTEM AND METHOD FOR  
AUTOMATICALLY FILLING  
FLUID CYLINDERS  
[54] SYSTEME ET PROCEDE DE  
REMPILISSAGE AUTOMATIQUE  
DE CYLINDRES DE FLUIDE  
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[73] MUNICIPAL EMERGENCY  
SERVICES, INC., US  
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AND METHODS OF USE  
[54] COMPOSITIONS DE  
TRYPTAMIDE ET PROCEDES  
D'UTILISATION  
[72] STOCK, JEFFRY, US  
[72] STOCK, MAXWELL, US  
[72] VORONKOV, MICHAEL, US  
[72] FERNANDEZ, JOSE, US  
[72] HUBER, KRISTEN, US  
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[25] EN  
[54] CONTAINER COMPRISING A  
SINGLE-PIECE HEAD SECTION  
[54] RECIPIENT POURVU D'UN  
ELEMENT DE TETE D'UNE  
SEULE PIECE  
[72] HANSEN, BERND, DE  
[73] KOCHER-PLASTIK  
MASCHINENBAU GMBH, DE  
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[25] EN

[54] BREAKING A  
METHANOL/METHYL  
METHACRYLATE AZEOTROPE  
USING PRESSURE SWING  
DISTILLATION  
[54] DEGRADATION D'UN  
AZEOTROPE  
METHANOL/METHACRYLATE  
DE METHYLE PAR  
DISTILLATION MODULEE EN  
PRESSION

[72] PENDERGAST, JOHN G., US  
[72] WORLEY, WILLIAM G., US  
[72] HOY, STACY W., US  
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F04C 2/107 (2006.01) F04C 15/00  
(2006.01) F04C 15/06 (2006.01)

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[54] ROTARY FLUID PRESSURE  
DEVICE WITH DRIVE-IN-DRIVE  
VALVE ARRANGEMENT  
[54] DISPOSITIF ROTATIF A  
PRESSION DE FLUIDE  
COMPRENANT UN  
AGENCEMENT DE SOUPAPE DE  
COMMANDE D'ENTRAINEMENT  
[72] LUCAS, JAY PAUL, US  
[72] DEGLER, TODD DEAN, US  
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[25] EN  
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[54] INSTALLATION DE CHAUFFAGE  
[72] GORANSSON, HANS-GORAN, MT  
[73] ENERGY MACHINES APS, DK  
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[25] EN

[54] PROCESS FOR MAKING A  
LITHIATED TRANSITION METAL  
OXIDE  
[54] PROCEDE DE FABRICATION  
D'UN OXYDE DE METAL DE  
TRANSITION LITHIE  
[72] GARELLA, DOMINIK, DE  
[72] KALO, BENEDIKT, DE  
[73] BASF SE, DE  
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C02F 1/72 (2006.01) C02F 1/74  
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[25] EN

[54] PROCESS FOR THE TREATMENT  
OF WASTE PRODUCTS, IN  
PARTICULAR, DEPURATION  
SLUDGES  
[54] PROCEDE DE TRAITEMENT DE  
PRODUITS DE DECHETS,  
NOTAMMENT, DES BOUES DE  
DEPURATION  
[72] MARINI, ROBERTO, IT  
[73] NEWLISI S.P.A., IT  
[85] 2017-05-10  
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DIATOM FRUSTULES AND  
APPLICATIONS THEREOF  
[54] COMPOSITIONS COMPRENANT  
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[72] LAMPERT, LESTER, US

[73] PORTLAND STATE UNIVERSITY,  
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LIGANDS  
[54] LIGANDS RADIOMARQUES DES  
RECEPTEURS MGLUR2 UTILISES  
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[72] VAN GOOL, MICHAEL LUC MARIA,  
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[72] ANDRES-GIL, JOSE IGNACIO, ES  
[72] ALCAZAR-VACA, MANUEL JESUS,  
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[72] BORMANS, GUY MAURITS R., BE  
[72] CELEN, SOFIE JEANNE  
LEOPOLDINE, BE  
[72] VERBEEK, JOOST, BE  
[73] JANSEN PHARMACEUTICA NV,  
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[54] DETECTEUR D'IONISATION SODIUM-CESIUM  
[72] CORBIN, ROBERT ALAN, US  
[72] REGAN, CHRISTOPHER M., US  
[72] NASH, DAVID, US  
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[25] EN  
[54] WELLHEAD SYSTEM AND JOINTS  
[54] SYSTEME ET RACCORDS DE TETE DE PUITS  
[72] HOEL, KARL-WILLIE, NO  
[73] HOEL, KARL-WILLIE, NO  
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[25] EN  
[54] FLUID COMPOSITION CONTAINING A SOURCE OF IRON IN NON-IONIC FORM AND METHODS OF USE  
[54] COMPOSITION DE FLUIDE CONTENANT UNE SOURCE DE FER SOUS FORME NON IONIQUE ET PROCEDES D'UTILISATION ASSOCIES  
[72] WRZOSEK, ARTUR, PL  
[72] KLYS, PIOTR, PL  
[72] CIECIARA, MARIUSZ, PL  
[73] WRZOSEK, ARTUR, PL  
[73] KLYS, PIOTR, PL  
[73] CIECIARA, MARIUSZ, PL  
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[25] EN  
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[54] NANOParticules pour l'encapsulation de composés, leur préparation et leurs utilisations  
[72] IRACHE GARRETA, JUAN MANUEL, ES  
[72] HUARTE CIGANDA, JUDIT, ES  
[72] INCHAURRAGA CASADAMON, LAURA, ES  
[72] RUIZ GATON, LUISA FERNANDA, ES  
[72] MARTIN ARBELLA, NEKANE, ES  
[73] INNOUP FARMA, S.L., ES  
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[54] COMPOSITION ALIMENTAIRE GRANULEUSE CONTENANT DU GAZ  
[72] EWALD, RON KAI JURGEN, DE  
[72] GRUN, CHRISTIAN HUGO, NL  
[72] MUTSCH, HOLGER JULIUS, DE  
[72] RUPP, WINFRIED, DE  
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[25] EN  
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[54] FORMULATIONS TOPIQUES DE SOINS DE BEAUTE COMPORtant DES EXTRAITS DE PLANTES  
[72] FLORENCE, TIFFANY, US  
[72] GAN, DAVID, US  
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[73] MARY KAY INC., US  
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[54] MILD FRACTIONATION OF FUNCTIONAL ISOLATES DERIVED FROM GRAINS AND OILSEEDS  
[54] FRACTIONNEMENT MENAGE D'ISOLATS FONCTIONNELS DERIVES DE CEREALES ET D'OLEAGINEUX  
[72] WNUKOWSKI, PIOTR, NL  
[72] KOZLOWSKA, MAGDALENA, PL  
[73] NAPIFERYN BIOTECH SP. Z O.O., PL  
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[54] COMPOSITION ADHESIVE PHOTO-DURCISSABLE, SA PREPARATION ET UTILISATION ASSOCIEE  
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[72] YANG, JUNWEI, CN  
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[54] METHOD FOR TREATMENT OF A HOPS PRODUCT, AND USE OF A HOPS PRODUCT  
[54] PROCEDE DE TRAITEMENT D'UN PRODUIT A BASE DE HOUBLON ET UTILISATION D'UN PRODUIT A BASE DE HOUBLON  
[72] SCHMAILZL, MARTIN, DE  
[73] SCHMAILZL, MARTIN, DE  
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[25] EN  
[54] METHOD FOR RECOVERING OIL BY HEATING, STIRRING AND CENTRIFUGATION OF A CRUDE OIL SLUDGE  
[54] METHODE DE RECUPERATION D'HUILE PAR CHAUFFAGE, MELANGE ET CENTRIFUGATION D'UNE BOUE DE PETROLE BRUT  
[72] KOBAYASHI, SHUICHI, JP  
[72] MORIYAMA, TAKU, JP  
[73] COSMO OIL CO., LTD., JP  
[85] 2017-12-11  
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[25] EN  
[54] SYSTEMS, METHODS, AND APPARATUS FOR AGRICULTURAL LIQUID APPLICATION  
[54] SYSTEMES, PROCEDES ET APPAREIL POUR APPLICATION DE LIQUIDE AGRICOLE  
[72] LEVY, KENT, US  
[72] RADTKE, IAN, US  
[72] LEMAN, TRACY, US  
[73] PRECISION PLANTING LLC, US  
[85] 2017-12-12  
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[30] US (62/175,920) 2015-06-15  
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[25] EN  
[54] PHYSICAL TOPOLOGY FOR A POWER CONVERTER  
[54] TOPOLOGIE PHYSIQUE POUR CONVERTISSEUR DE PUISSEANCE  
[72] CYR, JEAN-MARC, CA  
[72] AMAR, MOHAMMED, CA  
[72] EL YACOUBI, MAALAININE, CA  
[72] FLEURY, PASCAL, CA  
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[54] SURFACE DISPLAY INTERFACE FOR DATA FROM DOWNHOLE SYSTEMS  
[54] INTERFACE D'AFFICHAGE DE SURFACE DE DONNEES DE SYSTEMES DE FOND DE TROU  
[72] SWITZER, DAVID A., CA  
[72] LOGAN, AARON W., CA  
[72] WEST, KURTIS K. L., CA  
[72] FRANCOEUR, ANGELICA J. B., CA  
[72] PELLETIER, GILLES A., CA  
[72] XU, SHENG, CA  
[72] MEN, ANQUAN, CA  
[72] BUTERNOWSKY, BARRY D., CA  
[72] HUSTON, SABRINA M., CA  
[72] HARDING, GRANT E., CA  
[73] EVOLUTION ENGINEERING INC., CA  
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[54] COMPRESSION ET DE SECHAGE DE GAZ AVEC COMPRESSEUR MULTI-ETAGES  
[72] KITCHENER, ANTHONY JOHN, AU  
[73] ATELIERS FRANCOIS BRASSEUR, BE  
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[25] EN  
[54] COMPOSITIONS AND METHODS FOR MAKING CROSSLINKED POLYOLEFINS WITH PEROXIDE INITIATOR  
[54] COMPOSITIONS ET PROCEDES DE PREPARATION DE POLYOLEFINES RETICULEES AVEC UN INITIAUTEUR DE TYPE PEROXYDE  
[72] REN, DAKAI, US  
[72] KOH, KYOUNG MOO, US  
[72] PETERSON, THOMAS H., US  
[72] SINGH-RACHFORD, TANYA N., US  
[72] RICKARD, MARK A., US  
[72] COGEN, JEFFREY M., US  
[72] SUN, YABIN, CN  
[73] DOW GLOBAL TECHNOLOGIES LLC, US  
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[54] FENESTRATION ASSEMBLY OPERATION HARDWARE AND METHODS FOR SAME  
[54] QUINCAILLERIE FONCTIONNELLE D'ASSEMBLAGE DE FENETRE ET METHODES ASSOCIEES  
[72] HOLLERMANN, ROSS MICHAEL, US  
[72] DEBOER, NATHAN H., US  
[72] CURTIS, DANIEL JON, US  
[73] MARVIN LUMBER AND CEDAR COMPANY, D/B/A MARVIN WINDOWS AND DOORS, US  
[86] (2992217)  
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[54] SECONDARY ION MASS SPECTROMETER AND SECONDARY ION MASS SPECTROMETRIC METHOD  
[54] SPECTROMETRE DE MASSE A IONISATION SECONDAIRE, ET PROCEDE DE SPECTROMETRIE DE MASSE A IONISATION SECONDAIRE  
[72] MOLLERS, RUDOLF, DE  
[72] NIEHUIS, EWALD, DE  
[73] ION-TOF TECHNOLOGIES GMBH, DE  
[85] 2018-02-27  
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[25] EN  
[54] LOGGING TOOL FERRITES AND METHODS OF MANUFACTURE  
[54] FERRITES D'OUTIL DE DIAGRAPHIE ET PROCEDES DE FABRICATION  
[72] GRIFFING, MATTHEW CHASE, US  
[73] HALLIBURTON ENERGY SERVICES, INC., US  
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[54] MOLLUSK-KILLING BIOPESTICIDE  
[54] BIOPESTICIDE DE DESTRUCTION DE MOLLUSQUES  
[72] DE LEY, IRMA TANDINGAN, US  
[72] McDONNELL, RORY, US  
[72] PAINE, TIMOTHY, US  
[73] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US  
[85] 2018-04-03  
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[25] EN  
[54] VENTED GARMENT  
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[72] PEZZIMENTI, LUKE A., US  
[73] NIKE INNOVATE C.V., US  
[85] 2018-04-06  
[86] 2016-10-06 (PCT/US2016/055626)  
[87] (WO2017/062539)  
[30] US (14/877,199) 2015-10-07
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[25] EN  
[54] SYSTEM AND METHODS FOR VALIDATING AND PERFORMING OPERATIONS ON HOMOMORPHICALLY ENCRYPTED DATA  
[54] SYSTEME ET PROCEDES DE VALIDATION ET D'EXECUTION D'OPERATIONS SUR DES DONNEES CHIFFREES DE MANIERE HOMOMORPHIQUE  
[72] GULAK, GLENN, CA  
[72] KHEDR, ALHASSAN, CA  
[73] LORICA CYBERSECURITY INC., CA  
[85] 2018-04-19  
[86] 2017-03-27 (PCT/CA2017/050382)  
[87] (WO2017/177313)  
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[25] EN  
[54] EMULSION, PROCESS FOR MAKING SAME AND FOOD PRODUCTS COMPRISING THE EMULSION  
[54] EMULSION, PROCEDE DE FABRICATION ET PRODUITS ALIMENTAIRES COMPRENANT L'EMULSION  
[72] DE CLERCQ, NATHALIE, BE  
[72] DE PAEPE, JEROEN, BE  
[72] HUIZENGA, ELLEN, BE  
[73] CARGILL, INCORPORATED, US  
[85] 2018-04-24  
[86] 2016-10-26 (PCT/US2016/058795)  
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[30] EP (15191487.6) 2015-10-26  
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[25] EN  
[54] SYSTEMS AND DEVICES FOR SETTING AN ANCHOR  
[54] SYSTEMES ET DISPOSITIFS DE POSE D'UN ANCRAJE  
[72] TYLIS, ARIE, US  
[72] GUROVICH, NIKOLAY, US  
[72] GOLDBERG, ERAN, US  
[72] MANASH, BOAZ, US  
[72] ROTTENBERG, DAN, US  
[72] ADIKA, HAGAR, US  
[72] REGEV, TAL, US  
[72] KERSH, DIKLA, US  
[72] GARNABI, DANNY M., US  
[72] ALTMAN, HERNAN, IL  
[72] BLUMENFELD, AMIR, US  
[73] EDWARDS LIFESCIENCES CORPORATION, US  
[85] 2018-04-30  
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- [25] EN
- [54] **DEVICES AND SYSTEMS FOR PURIFYING SILICON**
- [54] **SILICIUM PURIFIE, DISPOSITIFS ET SYSTEMES PERMATTANT SA PRODUCTION**
- [72] SHOWALTER, ROBERT M., US
- [73] MILWAUKEE SILICON, LLC, US
- [85] 2018-05-10
- [86] 2016-10-06 (PCT/US2016/055678)
- [87] (WO2017/062571)
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- [25] EN
- [54] **DEVICES, SYSTEMS AND METHODS FOR TREATING MEDICAL DEVICES HAVING PASSAGEWAYS WITH OZONE GAS**
- [54] **DISPOSITIFS, SYSTEMES ET PROCEDES DE TRAITEMENT DE DISPOSITIFS MEDICAUX COMPRENANT DES VOIES DE PASSAGE D'OZONE GAZEUX**
- [72] LEYVA, TIMOTHY, US
- [72] OLSZTA, WILLIAM E., US
- [73] SOCLEAN, INC., US
- [85] 2018-05-22
- [86] 2017-04-27 (PCT/US2017/029950)
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- [25] EN
- [54] **LASER-BASED ADDITIVE MANUFACTURING SYSTEM WITH TEMPERATURE GRADIENT CONTROL FOR ENSURING SINGLE CRYSTAL GROWTH**
- [54] **SYSTEME DE FABRICATION ADDITIVE A BASE DE LASER COMPRENANT UN CONTROLE DU GRADIENT DE TEMPERATURE POUR GARANTIR UNE CROISSANCE MONOCRISTALLINE**
- [72] XIAO, ZHIGANG, US
- [73] HOBART BROTHERS COMPANY, US
- [85] 2018-05-22
- [86] 2016-11-10 (PCT/US2016/061381)
- [87] (WO2017/091363)
- [30] US (14/949,298) 2015-11-23
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[13] C

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- [25] EN
- [54] **USE OF AGONISTS OF TYPE-2 DOPAMINERGIC RECEPTORS IN TREATMENT OF CONDITIONS CAUSED BY Elevated VASCULAR ENDOTHELIAL GROWTH FACTOR LEVELS**
- [54] **UTILISATION D'AGONISTES DES RECEPTEURS DOPAMINERGIQUES DE TYPE 2 DANS LE TRAITEMENT DE PATHOLOGIES LIEES A DES TAUX ELEVES DU FACTEUR DE CROISSANCE ENDOTHELIAL VASCULAIRE**
- [72] OSEKA, MACIEJ, PL
- [73] OSEKA, MACIEJ, PL
- [85] 2018-06-08
- [86] 2016-12-09 (PCT/IB2016/057483)
- [87] (WO2017/098461)
- [30] PL (PL415170) 2015-12-09
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[13] C

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- [25] EN
- [54] **LOCATION DETERMINATION OF AN EMITTER USING FREQUENCY-OF-ARRIVAL (FOA) MEASURED FROM A SINGLE MOVING PLATFORM**
- [54] **DETERMINATION D'EMPLACEMENT D'UN EMETTEUR EMPLOYANT UNE FREQUENCE D'ARRIVEE MESUREE A PARTIR D'UNE PLATEFORME MOBILE UNIQUE**
- [72] PHEIFFER, BRIAN K., US
- [72] EDEWAARD, DAVID O., US
- [72] SUMMERS, DANIEL S., US
- [72] CARLSON, NEAL, US
- [73] THE BOEING COMPANY, US
- [86] (3008370)
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- [22] 2018-06-13
- [30] US (62/571,155) 2017-10-11
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[13] C

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- [25] EN
- [54] **USE OF PLASMINOGEN FOR PREVENTING OR TREATING DIABETIC NERVE INJURY AND RELATED DISORDERS THEREOF**
- [54] **UTILISATION DU PLASMINOGENE POUR PREVENIR OU TRAITER LA NEUROPATHIE DIABETIQUE ET DES AFFECTATIONS ASSOCIEES**
- [72] LI, JINAN, CN
- [73] TALENGEN INTERNATIONAL LIMITED, CN
- [85] 2018-06-15
- [86] 2016-12-16 (PCT/CN2016/110449)
- [87] (WO2017/101867)
- [30] CN (PCT/CN2015/097943) 2015-12-18

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[25] EN
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[54] UTILISATION D'AMIDON POUR AMELIORER LA PREPARATION D'UN PRODUIT LAITIER FERMENTE FILTRE
[72] BILBAO CALABUIG, MARIA ALMUDENA, ES
[72] FLABBI, PAOLA, ES
[73] DANONE S.A., ES
[85] 2018-06-21
[86] 2015-12-24 (PCT/EP2015/081235)
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[25] EN
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[54] SYSTEME DE COLONNE MONTANTE
[72] HATTON, STEPHEN ANTHONY, GB
[73] MAGMA GLOBAL LIMITED, GB
[85] 2018-06-26
[86] 2015-12-31 (PCT/GB2015/054179)
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[25] EN
[54] TUMBLER CELL FOR MINERAL RECOVERY USING ENGINEERED MEDIA
[54] CELLULE A TAMBOUR ROTATIF POUR LA RECUPERATION DE MINERAUX AU MOYEN DE LIANTS MODIFIES
[72] ROTHMAN, PAUL J., US
[72] FERNALD, MARK R., US
[72] DOLAN, PAUL, US
[72] BAILEY, TIMOTHY J., US
[72] RYAN, MICHAEL, US
[72] AMELUNXEN, PETER A., US
[73] CIDRA CORPORATE SERVICES LLC, US
[85] 2018-06-26
[86] 2016-12-28 (PCT/US2016/068843)
[87] (WO2017/117200)
[30] US (62/272,026) 2015-12-28
[30] US (62/276,051) 2016-01-07
[30] US (62/405,569) 2016-10-07

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[25] EN
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[54] SYSTEME DE REFRIGERATION AYANT DES VALVES ET DES ACTIONNEURS DE COMMANDE DE VALVE
[72] MORAN, THOMAS JOSEPH, US
[73] THE BOEING COMPANY, US
[86] (3011013)
[87] (3011013)
[22] 2018-07-10
[30] US (15/708344) 2017-09-19

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[11] 3,011,171 [13] C
[51] Int.Cl. H05K 3/08 (2006.01) A47F 11/06 (2006.01) G02F 1/167 (2019.01) G09F 1/00 (2006.01) H05K 1/03 (2006.01) H05K 1/09 (2006.01)
[25] EN
[54] FLEXIBLE PRINTED CIRCUIT
[54] CIRCUIT IMPRIME SOUPLE

[72] CAREL, ALAIN, CA
[73] TF MASSIF TECHNOLOGIES LTD., CA
[85] 2018-07-09
[86] 2017-01-27 (PCT/CA2017/050102)
[87] (WO2017/127943)
[30] CA (2919293) 2016-01-29

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[25] EN
[54] TEAT OPENING PROTECTION PATCH FOR LIVESTOCK
[54] PIECE DE PROTECTION D'OUVERTURE DE MAMELLE DESTINEE AU BETAILE
[72] INUI, YOJI, JP
[72] KONDO, HITOSHI, JP
[72] SHIRAI, KATSUHIRO, JP
[73] TOKUYAMA CORPORATION, JP
[85] 2018-07-23
[86] 2017-02-16 (PCT/JP2017/005756)
[87] (WO2017/150203)
[30] JP (2016-037458) 2016-02-29
[30] JP (2016-081396) 2016-04-14

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[11] 3,014,955 [13] C
[51] Int.Cl. G01N 33/28 (2006.01)
[25] EN
[54] METHOD AND APPARATUS FOR MEASURING A COMPOSITION OF A MULTIPHASE FLUID
[54] PROCEDE ET APPAREIL DE MESURE D'UNE COMPOSITION D'UN FLUIDE MULTIPHASICHE
[72] PARKER, ALAN DAVID, GB
[72] EDWARD, GILES, GB
[72] TREMOLET, ARNAULT, GB
[72] WALL-CLARKE, ALEX, GB
[73] M-FLOW TECHNOLOGIES LIMITED, GB
[85] 2018-08-13
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[25] EN  
[54] AIR FILTER DEVICE FOR HVAC  
AND/OR FURNACE SYSTEMS  
[54] DISPOSITIF DE FILTRE A AIR  
DESTINE A DES SYSTEMES CVCA  
ET DES CHAUDIERES  
[72] TABCHOURI, GEORGE, CA  
[73] TABCHOURI, GEORGE, CA  
[86] (3014978)  
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[22] 2018-08-17  
[30] CA (2,999,686) 2018-03-29
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15/52 (2006.01) C12N 15/70 (2006.01)  
C12P 19/02 (2006.01)  
[25] EN  
[54] NOVEL POLYPHOSPHATE-  
DEPENDENT GLUCOKINASE  
AND METHOD FOR PREPARING  
GLUCOSE 6-PHOSPHATE BY  
USING SAME  
[54] NOUVELLE GLUCOKINASE  
DEPENDANTE DU  
POLYPHOSPHATE ET PROCEDE  
DE PREPARATION DE GLUCOSE  
6-PHOSPHATE L'UTILISANT  
[72] YANG, SUNG JAE, KR  
[72] CHO, HYUN KUG, KR  
[72] LEE, YOUNG MI, KR  
[72] KIM, SEONG BO, KR  
[72] PARK, SEUNG WON, KR  
[73] CJ CHEILJEDANG CORPORATION,  
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[30] KR (10-2016-0024293) 2016-02-29

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[25] EN  
[54] COUNTERMASS LIQUID FOR A  
SHOULDER LAUNCHED  
MUNITION PROPULSION  
SYSTEM  
[54] LIQUIDE DE CONTREPOIDS  
POUR SYSTEME DE  
PROPULSION DE MUNITIONS  
TIRE A L'EPAULE  
[72] JEZIERSKI, DOMINIC, US  
[72] LAMBERT, JERRY, US  
[72] BLOMQUIST, HARRY, US  
[72] EARLY, STEPHEN JOSEPH, US  
[72] GOODWIN, BILL, US  
[73] NAMMO DEFENSE SYSTEMS INC.,  
US  
[85] 2018-08-28  
[86] 2017-02-27 (PCT/US2017/019749)  
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[25] EN  
[54] ELECTRIC MOTOR STRUCTURE  
[54] STRUCTURE DE MOTEUR  
ELECTRIQUE  
[72] HSU, YUNG-SHUN, TW  
[72] HSU, MING-CHUN, TW  
[72] HSU, WEN-YU, TW  
[73] YUZEN SUSTAINABLE ENERGY  
CO., LTD, CN  
[73] YUZEN (HK) SUSTAINABLE  
ENERGY CO., LTD, CN  
[73] YUZEN SUSTAINABLE ENERGY  
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C07K 16/24 (2006.01)  
[25] EN  
[54] METHODS OF TREATMENT OF  
DISEASES IN WHICH IL-13  
ACTIVITY IS DETRIMENTAL  
USING ANTI-IL-13 ANTIBODIES  
[54] METHODES DE TRAITEMENT DE  
MALADIES DANS LESQUELLES  
L'ACTIVITE DE L'IL-13 EST  
PREJUDICIALE A L'AIDE  
D'ANTICORPS ANTI-IL-13  
[72] TIMONY, GREGG, US  
[72] GUJRATHI, SHEILA, US  
[72] PEACH, ROBERT, US  
[72] OLSON, ALLAN, US  
[73] ABBVIE INC., US  
[85] 2018-10-17  
[86] 2017-04-27 (PCT/US2017/029768)  
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[25] EN  
[54] AN ELECTRICAL POWER  
SUPPLY SYSTEM AND PROCESS  
[54] SYSTEME ET PROCEDE  
D'ALIMENTATION ELECTRIQUE  
[72] WILLIAMS, MATTHEW, AU  
[72] SCOBIE, ANDREW, AU  
[73] THIRD EQUATION LTD, GB  
[85] 2018-10-19  
[86] 2017-08-07 (PCT/AU2017/050832)  
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[25] EN  
[54] ARRANGEMENT OF SINGLE-  
PHASE TRANSFORMERS  
[54] ENSEMBLE DE  
TRANSFORMATEURS  
MONOPHASÉS  
[72] ETTL, CHRISTIAN, AT  
[73] SIEMENS ENERGY AUSTRIA  
GMBH, AT  
[85] 2018-10-25  
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[25] EN
[54] SELECTIVELY ALTERING REFERENCES WITHIN ENCRYPTED PAGES USING MAN IN THE MIDDLE
[54] ALTERATION SELECTIVE DE REFERENCES A L'INTERIEUR DE PAGES CHIFFREES A L'AIDE D'UNE INTERPOSITION
[72] MARTINI, PAUL MICHAEL, US
[73] IBOSS, INC., US
[85] 2018-11-02
[86] 2017-05-02 (PCT/US2017/030639)
[87] (WO2017/192587)
[30] US (15/145,672) 2016-05-03

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[25] EN
[54] USING CONTEXT INFORMATION TO FACILITATE PROCESSING OF COMMANDS IN A VIRTUAL ASSISTANT
[54] UTILISATION DE L'INFORMATION DE CONTEXTE POUR FACILITER LE TRAITEMENT DES COMMANDES DANS UN ASSISTANT VIRTUEL
[72] GRUBER, THOMAS ROBERT, US
[72] BRIGHAM, CHRISTOPHER DEAN, US
[72] KEEN, DANIEL S., US
[72] NOVICK, GREGORY, US
[72] PHIPPS, BENJAMIN S., US
[73] APPLE INC., US
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[62] 2,791,277
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[25] EN
[54] SOFT CHEWABLE COMPOSITION COMPRISING PSYLLIUM
[54] COMPOSITION MOLLE A MACHER COMPRENANT DU PSYLLIUM
[72] VILLAGRAN, MARIA DELORES MARTINEZ SERNA, US
[72] BUND, RAJESH K., US
[72] HEPP, JAMES, US
[72] SWIGART, ERIN NICOLE, US
[72] NAUGHTON, VALERIE JEAN, US
[73] THE PROCTER & GAMBLE COMPANY, US
[85] 2018-11-22
[86] 2017-06-06 (PCT/US2017/036039)
[87] (WO2017/218230)
[30] US (62/351,680) 2016-06-17
[30] US (62/417,359) 2016-11-04

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[25] EN
[54] BIOREMEDIALATION COMPOSITION WITH A TIME RELEASE MATERIAL FOR REMOVING HYDROCARBONS FROM CONTAMINATED ENVIRONMENTS
[54] COMPOSITION DE BIOREHABILITATION AVEC UN MATERIAU A LIBERATION PROLONGEE POUR L'ELIMINATION D'HYDROCARBURES DANS DES ENVIRONNEMENTS CONTAMINES
[72] NOLAND, SCOTT, US
[73] REMEDIATION PRODUCTS, INC., US
[85] 2018-12-03
[86] 2017-05-03 (PCT/US2017/030853)
[87] (WO2017/200749)
[30] US (15/159,274) 2016-05-19

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[13] C
[51] Int.Cl. B23K 26/60 (2014.01) B23K 26/322 (2014.01) B23K 26/26 (2014.01)
[25] FR
[54] METHOD AND DEVICE FOR PREPARING ALUMINIUM-COATED STEEL SHEETS INTENDED FOR BEING WELDED AND THEN HARDENED UNDER A PRESS; CORRESPONDING WELDED BLANK
[54] PROCEDE ET DISPOSITIF DE PREPARATION DE TOLES D'ACIER ALUMINIEES DESTINEES A ETRE SOUDEES PUIS DURCIES SOUS PRESSE; FLAN SOUDE CORRESPONDANT
[72] SCHMIT, FRANCIS, FR
[72] VIERSTRAETE, RENE, FR
[72] YIN, QINGDON, FR
[72] EHLING, WOLFRAM, FR
[73] ARCELORMITTAL, LU
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[87] (3026934)
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[51] Int.Cl. G01F 15/00 (2006.01)
[25] EN
[54] WATER METER WITH MAGNETICALLY DRIVEN FLOW RESTRICTION VALVE
[54] APPAREIL DE MESURE D'EAU A VANNE DE RESTRICTION DE DEBIT A ENTRAINEMENT MAGNETIQUE
[72] STUYVENBERG, MATTHEW, US
[72] DELLEMANN, MATTHEW, US
[73] BADGER METER, INC., US
[85] 2018-12-11
[86] 2017-06-13 (PCT/US2017/037129)
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[25] EN  
[54] PRESSURE ULCER RISK MAPPING METHOD  
[54] PROCEDE DE CARTOGRAPHIE DU RISQUE D'ESCARRE  
[72] HOLLOPETER, MICHAEL, US  
[72] NARDO, RICHARD P., US  
[72] SOLTANI, SOHRAB, US  
[73] AMERICAN STERILIZER COMPANY, US  
[85] 2018-12-17  
[86] 2017-05-04 (PCT/US2017/031019)  
[87] (WO2018/013201)  
[30] US (15/210,331) 2016-07-14

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[13] C

[51] Int.Cl. B01D 15/10 (2006.01) G01N 30/02 (2006.01) G01N 30/38 (2006.01) G01N 30/46 (2006.01)  
[25] EN  
[54] ALTERNATING FLOW COLUMN CHROMATOGRAPHY APPARATUS AND METHOD OF USE  
[54] APPAREIL DE CHROMATOGRAPHIE SUR COLONNE A ECOULEMENT ALTERNATIF ET PROCEDE D'UTILISATION  
[72] LE, VAN SO, AU  
[72] LE, MINH KHOI, AU  
[73] LE, VAN SO, AU  
[73] LE, MINH KHOI, AU  
[85] 2018-12-18  
[86] 2018-01-11 (PCT/AU2018/050013)  
[87] (WO2018/129587)  
[30] AU (2017900091) 2017-01-13

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[13] C

[51] Int.Cl. C11D 3/48 (2006.01) A61L 2/18 (2006.01) C11D 1/66 (2006.01)  
[25] EN  
[54] NON-STREAKING DURABLE COMPOSITION FOR CLEANING AND DISINFECTION HARD SURFACES  
[54] COMPOSITION DURABLE NE LAISSANT PAS DE TRAINEES POUR LE NETTOYAGE ET LA DESINFECTION DE SURFACES DURES  
[72] KARANDIKAR, YAMINI, US  
[72] LEVITT, MARK DENNIS, US  
[72] WEGNER, JOSEPH R., US  
[72] SOLOMON, KIM R., US  
[73] ECOLAB USA INC., US  
[85] 2019-01-10  
[86] 2017-07-11 (PCT/US2017/041465)  
[87] (WO2018/013523)  
[30] US (15/207,132) 2016-07-11

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[13] C

[51] Int.Cl. C12N 15/42 (2006.01) A61K 39/135 (2006.01) A61P 31/14 (2006.01) A61P 37/04 (2006.01) C07K 14/09 (2006.01) C12N 15/63 (2006.01) C12N 15/85 (2006.01) G01N 33/569 (2006.01) C12N 15/87 (2006.01)  
[25] EN  
[54] FOOT AND MOUTH DISEASE VIRUS (FMDV) CONSENSUS PROTEINS, CODING SEQUENCES THEREFOR AND VACCINES MADE THEREFROM  
[54] PROTEINES CONSENSUS DU VIRUS DE LA FIEVRE APHTHEUSE (FMDV), SEQUENCES CODANT POUR CELLES-CI ET VACCINS OBTENUS DE CELLES-CI  
[72] WEINER, DAVID B., US  
[72] FERRARO, BERNADETTE, US  
[72] YAN, JIAN, US  
[72] BROWN, PATRICIA A., US  
[72] BOWLING, RODNEY A., US  
[72] KERN, DOUGLAS R., US  
[72] RAMANATHAN, MATHURA P., US  
[72] SARDESAI, NIRANJAN Y., US  
[72] MUTHUMANI, KARUPPIAH, US  
[73] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US  
[73] INOVIO PHARMACEUTICALS, INC., US  
[86] (3030893)  
[87] (3030893)  
[22] 2010-11-02  
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[30] US (61/257,461) 2009-11-02  
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[13] C

[51] Int.Cl. C07H 1/00 (2006.01) C07H 7/033 (2006.01)  
[25] EN  
[54] METHOD OF PREPARING OLIGOMANNURONIC DIACIDS  
[54] PROCEDE DE PREPARATION DE DIACIDE MANNURONIQUE OLIGOMERE  
[72] XIAO, ZHONGPING, CN  
[72] ZHANG, ZHENQING, CN  
[72] GENG, MEIYU, CN  
[72] DING, JIAN, CN  
[73] SHANGHAI GREEN VALLEY PHARMACEUTICAL CO., LTD., CN  
[85] 2019-02-14  
[86] 2016-08-15 (PCT/CN2016/095368)  
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[54] HOLE-CLEANING METHOD AND APPARATUS  
[54] METHODE DE NETTOYAGE DE TROU ET APPAREIL  
[72] CAIRNS, IAN DAHL, US  
[73] THE BOEING COMPANY, US  
[86] (3034083)  
[87] (3034083)  
[22] 2019-02-15  
[30] US (15/928,035) 2018-03-21
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[25] EN  
[54] A CARBON FIBER COMPOSITE, A MEDIUM INCORPORATING THE CARBON FIBER COMPOSITE, AND A RELATED METHOD  
[54] COMPOSITE DE FIBRES DE CARBONE, MILIEU INCORPORANT LE COMPOSITE DE FIBRES DE CARBONE, ET PROCEDE ASSOCIE  
[72] GROSS, GWEN MARIE LANPHERE, US  
[72] BLAIR, LORI NELSON, US  
[72] TAEGE, DEBORAH ANN, US  
[73] THE BOEING COMPANY, US  
[85] 2019-02-15  
[86] 2017-08-24 (PCT/IB2017/055117)  
[87] (WO2018/037377)  
[30] US (62/380,349) 2016-08-26  
[30] US (15/639,745) 2017-06-30
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[54] MANAGED EMV KERNEL FOR FASTER PROCESSING  
[54] NOYAU EMV GERE POUR UN TRAITEMENT PLUS RAPIDE  
[72] WALL, JONATHAN, US  
[72] FAVERO, ROSS, US  
[72] GLASS, ERIC NELSON, US  
[73] INDEX SYSTEMS, LLC, US  
[85] 2019-03-01  
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[87] (WO2018/049126)  
[30] US (62/385,165) 2016-09-08
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[25] EN  
[54] PEST RESISTANT BIRD FEEDER  
[54] MANGEOIRE A OISEAUX RESISTANT AUX RAVAGEURS  
[72] NIFONG, LINDSEY, US  
[72] COMBS, STEPHEN, US  
[72] BRUNO, JOHN, US  
[72] DONEGAL, ROBERT, US  
[72] KRUEGER, BRYAN, US  
[73] CLASSIC BRANDS, LLC, US  
[86] (3036025)  
[87] (3036025)  
[22] 2019-03-06  
[30] US (15/919,044) 2018-03-12
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[13] C

- [51] Int.Cl. B65D 47/08 (2006.01) B65D 43/08 (2006.01)  
[25] EN  
[54] MULTI-FUNCTION CONTAINER LID  
[54] COUVERCLE DE CONTENANT MULTIFONCTIONNEL  
[72] HARRIS, JOEL S., CA  
[73] HARRIS, JOEL S., CA  
[86] (3037920)  
[87] (3037920)  
[22] 2019-03-25  
[30] US (15/945,771) 2018-04-05
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[25] EN  
[54] MICRO-ARRAY DEVICES FOR CAPTURING CELLS IN BLOOD AND METHODS OF THEIR USE  
[54] DISPOSITIFS MICRO-RESEAUX DESTINES A LA CAPTURE DE CELLULES DANS LE SANG ET LEURS PROCEDES D'UTILISATION  
[72] PANCHAPAKESAN, BALAJI, US  
[72] KHOSRAVI, FARHAD, US  
[72] RAI, SHESH N., US  
[73] WORCESTER POLYTECHNIC INSTITUTE, US  
[73] UNIVERSITY OF LOUISVILLE RESEARCH FOUNDATION, INC., US  
[85] 2019-03-21  
[86] 2017-09-29 (PCT/US2017/054278)  
[87] (WO2018/064466)  
[30] US (62/401,394) 2016-09-29  
[30] US (15/718,692) 2017-09-28
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[13] C

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[25] EN  
[54] METHOD AND APPARATUS FOR WELDING WITH IMPROVED START  
[54] PROCEDE ET APPAREIL DE SOUDAGE A DEMARRAGE AMELIORE  
[72] HOLVERSON, TODD, US  
[72] DAVIDSON, ROBERT, US  
[73] ILLINOIS TOOL WORKS INC., US  
[85] 2019-03-22  
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  - [54] **PROCEDE, DISPOSITIF, SYSTEME, TERMINAL DE COMMUNICATION, ET DISPOSITIF DE RESEAU D'ACCES**
  - [72] HAN, LIFENG, CN
  - [72] ZENG, QINGHAI, CN
  - [72] HUANG, QUFANG, CN
  - [73] HUAWEI TECHNOLOGIES CO., LTD., CN
  - [85] 2019-03-29
  - [86] 2017-09-30 (PCT/CN2017/105046)
  - [87] (WO2018/059592)
  - [30] CN (201610875317.9) 2016-09-30
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[13] C

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- [25] EN
- [54] **CONFIGURATION FOR DATA AND REFERENCE SIGNAL TRANSMISSIONS WITH SHORTENED TRANSMISSION TIME INTERVALS**
- [54] **CONFIGURATION POUR TRANSMISSIONS DE SIGNAUX DE REFERENCE ET DE DONNEES AVEC DES INTERVALLES DE TEMPS DE TRANSMISSION RACCOURCIS**
- [72] HOSSEINI, SEYEDKIANOUSH, US
- [72] CHEN, WANSHI, US
- [72] SUN, JING, US
- [72] GAAL, PETER, US
- [72] PATEL, SHIMMAN ARVIND, US
- [73] QUALCOMM INCORPORATED, US
- [85] 2019-03-29
- [86] 2017-11-09 (PCT/US2017/060780)
- [87] (WO2018/089586)
- [30] US (62/421,183) 2016-11-11
- [30] US (15/806,812) 2017-11-08

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- [25] EN
- [54] **PREPARATION OF (R)-3-HYDROXYBUTYRIC ACID OR ITS SALTS BY ONE-STEP FERMENTATION**
- [54] **PREPARATION DE L'ACIDE (R)-3-HYDROXYBUTYRIQUE OU SES SELS PAR FERMENTATION EN UNE ETAPE**
- [72] LIAO, KYLIN, CN
- [72] FAN, WENCHAO, CN
- [73] NNB NUTRITION USA, LLC, US
- [85] 2019-04-02
- [86] 2018-04-03 (PCT/US2018/025879)
- [87] (WO2018/187324)
- [30] US (62/481,476) 2017-04-04

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[13] C

- [51] Int.Cl. D04H 1/732 (2012.01)
  - [25] EN
  - [54] **APPARATUS FOR MAKING SPUNBONDED NONWOVENS FROM CONTINUOUS FILAMENTS**
  - [54] **APPAREIL DE FABRICATION DE NON-TISSÉS FILES-LIES A PARTIR DE FILAMENTS CONTINUS**
  - [72] NEUENHOFER, MARTIN, DE
  - [72] NITSCHKE, MICHAEL, DE
  - [72] GEUS, HANS-GEORG, DE
  - [72] FREY, DETLEF, DE
  - [72] KRETSCHMANN, TRISTAN, DE
  - [73] REIFENHAUSER GMBH & CO. KG MASCHINENFABRIK, DE
  - [86] (3041248)
  - [87] (3041248)
  - [22] 2019-04-25
  - [30] EP (18 174 523.3) 2018-05-28
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[13] C

- [51] Int.Cl. G06Q 20/38 (2012.01)
- [25] EN
- [54] **BLOCKCHAIN DATA PROTECTION BASED ON ACCOUNT NOTE MODEL WITH ZERO-KNOWLEDGE PROOF**
- [54] **PROTECTION DE DONNEES DE CHAINE DE BLOCS BASEE SUR UN MODELE DE BILLETS PROVENANT DE COMPTES ET UTILISANT UNE PREUVE A CONNAISSANCE NULLE**
- [72] MA, BAOLI, CN
- [72] ZHANG, WENBIN, CN
- [72] MA, HUANYU, CN
- [72] LIU, ZHENG, CN
- [72] LI, LICHUN, CN
- [73] ADVANCED NEW TECHNOLOGIES CO., LTD., KY
- [85] 2019-04-18
- [86] 2018-11-07 (PCT/CN2018/114420)
- [87] (WO2019/072268)

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[13] C

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- [25] EN
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- [54] **COMPARAISON BISYMETRIQUE DE VALEURS D'HUMIDITE SOUS-EPIDERMIQUE**
- [72] BURNS, MARTIN F., US
- [72] BARRINGTON, SARA, US
- [72] ROSS, GRAHAM O., US
- [73] BRUIN BIOMETRICS, LLC, US
- [85] 2019-04-26
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PROCESSING DEVICE  
COMPRISING A MAGNETIC  
COUPLING  
[54] DISPOSITIF DE TRAITEMENT  
D'ALIMENTS ET DE BOISSONS  
COMPRENANT UN COUPLAGE  
MAGNETIQUE  
[72] TRAKSELIS, RUSLANAS, LT  
[73] MILLO APPLIANCES, UAB, LT  
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[25] EN  
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AND APPARATUS  
[54] PROCEDE ET APPAREIL DE  
TRANSMISSION DE DONNEES  
[72] PENG, JINLIN, CN  
[72] DONG, PENGPEG, CN  
[72] WANG, ZONGJIE, CN  
[72] ZHANG, PENG, CN  
[73] HUAWEI TECHNOLOGIES CO.,  
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SPECIFICALLY TO CD66C AND  
USE THEREOF  
[54] ANTICORPS SE LIANT  
SPECIFIQUEMENT A CD66C ET  
UTILISATION ASSOCIEE  
[72] YOON, SANGSOON, KR  
[72] HONG, KWON PYO, KR  
[72] KIM, SOSEUL, KR  
[72] JI, GIL YONG, KR  
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[73] KUMHO HT, INC., KR  
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[54] LUBRIFICATION DE BOITE DE  
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[72] NEWBERRY, PAUL TERENCE, GB  
[73] LEONARDO UK LIMITED, GB  
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[25] EN  
[54] TORQUE SENSOR SAWBLADE  
ANTI-SKIVING SYSTEM  
[54] SYSTEME ANTI-ECARTEMENT  
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DE COUPLE  
[72] GOGARTY, EMILY, CA  
[72] BOISVERT, OLIVIER, CA  
[72] MAY, BRIAN M., US  
[72] HARTMAN, WILLIAM, US  
[73] ORTHOSOFT ULC, CA  
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SOUS-ECHANTILLON  
[72] LING CHANG, PAUL CHIN, US  
[72] DONDERICI, BURKAY, US  
[73] HALLIBURTON ENERGY  
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[25] EN  
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PADS  
[54] JAMBIERES DE GARDIEN DE  
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[72] VAILLANCOURT, CHARLES, CA  
[73] BAUER HOCKEY LTD., CA  
[86] (3043833)  
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  - [72] RICO ALVARINO, ALBERTO, US
  - [72] BHATTAD, KAPIL, US
  - [72] WANG, XIAO FENG, US
  - [72] MONTOJO, JUAN, US
  - [72] CHEN, WANSHI, US
  - [72] GAAL, PETER, US
  - [73] QUALCOMM INCORPORATED, US
  - [85] 2019-06-19
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  - [30] IN (201741003102) 2017-01-27
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- [54] ARCHITECTURE MULTI-INSTANCE SOUTENANT UN RESEAU DE CONFIANCE AXE SUR LA CHAINE DE BLOCS
- [72] SUBRAMANIAM, SREENEVAS, US
- [73] SERVICENOW, INC., US
- [86] (3048506)
- [87] (3048506)
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  - [54] COMPOSITION D'ACIDE DICARBOXYLIQUE MANNURONIQUE
  - [72] GENG, MEIYU, CN
  - [72] DING, JIAN, CN
  - [72] ZHANG, ZHENQING, CN
  - [72] XIAO, ZHONGPING, CN
  - [72] DU, XIAOGUANG, CN
  - [72] XIN, XIANLIANG, CN
  - [73] SHANGHAI GREEN VALLEY PHARMACEUTICAL CO., LTD., CN
  - [73] SHANGHAI INSTITUTE OF MATERIA MEDICA, CHINESE ACADEMY OF SCIENCES, CN
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  - [30] CN (PCT/CN2016/113879) 2016-12-30
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- [25] EN
- [54] METHOD AND SYSTEM FOR ANALYTICS-BASED UPDATING OF NETWORKED DEVICES
- [54] SYSTEME ET PROCEDE DE MISE A JOUR EN FONCTION D'ANALYSE DE DISPOSITIFS MIS EN RESEAUX
- [72] KUNISETTY, SRIDHAR, US
- [72] MISHRA, SANJEEV, US
- [72] NAIR, HARINDRANATH P., US
- [73] ARRIS ENTERPRISES LLC, US
- [85] 2019-06-28
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  - [25] EN
  - [54] LOW-POWER CONVENIENT SYSTEM FOR CAPTURING A SOUND
  - [54] SYSTEME DE CAPTURE DE SON PRATIQUE A FAIBLE CONSOMMATION D'ENERGIE
  - [72] YOUNGER, MAX J., US
  - [72] COCHRAN, CHRISTIAN, US
  - [73] HALLMARK CARDS, INCORPORATED, US
  - [85] 2019-06-28
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  - [25] EN
  - [54] COMMUNICATION METHOD, TERMINAL DEVICE, AND NETWORK DEVICE
  - [54] PROCEDE DE COMMUNICATION, DISPOSITIF TERMINAL ET DISPOSITIF DE RESEAU
  - [72] YANG, NING, CN
  - [73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN
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- [72] DAMBACHER, COREY M., US
- [72] TU, EUGENE, US
- [73] PACIFIC BIOSCIENCES OF CALIFORNIA, INC., US
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[54] FOURNITURE DE MODE A DEBIT DE DONNEES UNIQUE (SDR) OU A DOUBLE DEBIT DE DONNEES (DDR) POUR LE BUS DE COMMANDE ET D'ADRESSE (CA) DU DISPOSITIF DE COMMANDE D'HORLOGE D'ENREGISTREMENT (RCD) POUR MEMOIRE VIVE DYNAMIQUE (DRAM)  
[72] WANG, LIYONG, US  
[72] BAINS, KULJIT SINGH, US  
[72] QUEEN, WESLEY, US  
[73] QUALCOMM INCORPORATED, US  
[85] 2019-07-19  
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[25] EN  
[54] MALODOR COUNTERACTANT COMPOSITION AND METHODS  
[54] COMPOSITION DE NEUTRALISATION DES MAUVAISES ODEURS ET METHODES  
[72] FIELDS, MARVEL, US  
[72] NERO, RICHARD, US  
[72] ORSON, STEVE, US  
[72] SIEGEL, ROBERT, US  
[72] KOCIS, JOHN, US  
[73] BELL FLAVORS & FRAGRANCES, INC., US  
[85] 2019-04-08  
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[25] EN  
[54] SECURITY DISPLAY DEVICES, THEIR PRODUCTION AND USE  
[54] DISPOSITIFS D'AFFICHAGE DE SECURITE, LEUR FABRICATION ET LEUR UTILISATION  
[72] GARANZOTIS, THEODOROS, CA  
[72] MACPHERSON, CHARLES DOUGLAS, US  
[73] BANK OF CANADA, CA  
[86] (3051305)  
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[22] 2012-09-19  
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[25] EN  
[54] CONFIGURABLE LADDER SYSTEM AND METHOD  
[54] SYSTEME ET PROCEDE D'ECHELLE CONFIGURABLE  
[72] MONCADA, FRANCISCO JAVIER MORENO, MX  
[73] LOUISVILLE LADDER INC., US  
[86] (3051424)  
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[25] EN  
[54] NOREPINEPHRINE COMPOSITIONS AND METHODS THEREFOR  
[54] COMPOSITIONS DE NOREPINEPHRINE ET PROCEDES ASSOCIES  
[72] YADAV, VIVEK, US  
[72] GARAPATI, SRIRAMYA, US  
[72] HINGORANI, TUSHAR, US  
[72] ILITCHEV, IOURI V., US  
[72] AKASAPU, PREM SAGAR, US  
[72] SOPPIMATH, KUMARESH, US  
[72] PURI, NAVNEET, US  
[73] NEVAKAR INJECTABLES INC., US  
[85] 2019-07-24  
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[30] US (62/452,220) 2017-01-30
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[25] EN  
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[54] PROCEDE ET DISPOSITIF POUR OBTENIR UN CERTIFICAT DE TRANSACTION ELECTRONIQUE, ET SUPPORT D'INFORMATIONS  
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[73] 10353744 CANADA LTD., CA  
[86] (3051757)  
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[25] EN  
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[54] EMPILEMENT DE PILES A COMBUSTIBLE ET ENSEMBLE PLAQUE BIPOLAIRE  
[72] FLINK, JOHAN, SE  
[72] GAUGLER, BERND, DE  
[72] KUNZ, CLAUDIA, DE  
[73] POWERCELL SWEDEN AB, SE  
[73] REINZ-DICHTUNGS-GMBH, DE  
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[54] COMPOSANTS DE BLOCAGE D'INCENDIE OU DE BRUIT ET SYSTEMES MURAUX MUNIS DE COMPOSANTS DE BLOCAGE D'INCENDIE OU DE BRUIT  
[72] PILZ, DONALD ANTHONY, US  
[73] CALIFORNIA EXPANDED METAL PRODUCTS COMPANY, US  
[86] (3052184)  
[87] (3052184)  
[22] 2019-08-15  
[30] US (62/764,883) 2018-08-16  
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[54] DRIVING EVENT ASSESSMENT SYSTEM  
[54] SYSTEME D'EVALUATION D'EVENEMENT DE CONDUITE  
[72] MAYS, WESLEY M., US  
[73] OMNITRACS, LLC, US  
[85] 2019-07-30  
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[25] EN  
[54] COMBUSTION-POWERED TOOL WITH SLEEVE-RETAINING LOCKOUT DEVICE  
[54] OUTIL MU PAR COMBUSTION DOTE D'UN DISPOSITIF DE VERROUILLAGE DE RETENUE DE MANCHON  
[72] TAYLOR, WALTER, US  
[72] SCHWARTZENBERGER, JULIUS, US  
[73] ILLINOIS TOOL WORKS INC., US  
[85] 2019-08-01  
[86] 2018-01-23 (PCT/US2018/014862)  
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[30] US (62/453,813) 2017-02-02  
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[25] EN  
[54] MOTION GENERATING PLATFORM ASSEMBLY  
[54] ENSEMBLE PLATE-FORME DE GENERATION DE MOUVEMENT  
[72] BLUM, STEVEN C., US  
[72] KING, STEVEN, US  
[73] UNIVERSAL CITY STUDIOS LLC, US  
[85] 2019-08-02  
[86] 2018-02-08 (PCT/US2018/017459)  
[87] (WO2018/148436)  
[30] US (62/456,506) 2017-02-08

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[54] SYSTEME, APPAREIL, PROCEDE DE CHARGE SANS FIL ET DISPOSITIF A CHARGER  
[72] WAN, SHIMING, CN  
[72] ZHANG, JIALIANG, CN  
[72] LIN, SHANGBO, CN  
[72] LI, JIADA, CN  
[73] GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., CN  
[85] 2019-08-12  
[86] 2018-04-04 (PCT/CN2018/081972)  
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[30] CN (PCT/CN2017/079784) 2017-04-07  
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[72] KUBE, OLIVER, DE  
[72] WALTER, HELMUT, DE  
[72] POGGENWISCH, ALEXANDER, DE  
[73] F. HOFFMANN-LA ROCHE AG, CH  
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[54] UNITE DE BATTERIE, ASPIRATEUR D'AROME, PROCEDE DE COMMANDE D'UNITE DE BATTERIE, ET PROGRAMME  
[72] TAKEUCHI, MANABU, JP  
[72] TAKAHASHI, TAKAYA, JP  
[72] YAMADA, MANABU, JP  
[72] FUJITA, HAJIME, JP  
[73] JAPAN TOBACCO INC., JP  
[85] 2019-08-23  
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[25] EN  
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[54] ANALYSE DE LIPOPROTEINES PAR MOBILITE DIFFERENTIELLE DE PARTICULES CHARGEES  
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[72] REITZ, RICHARD E., US  
[72] LI, SHUGUANG, US  
[72] LEE, GLORIA KWANGJA, US  
[72] KRAUSS, RONALD, US  
[72] BLANCHE, PATRICIA J., US  
[72] BENNER, W. HENRY, US  
[72] CORNELL, EARL, US  
[73] QUEST DIAGNOSTICS INVESTMENTS INCORPORATED, US  
[86] (3054541)  
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- [73] LG ELECTRONICS INC., KR
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[72] CLEMINSON, RON, CA  
[72] WOLFE, DAN, CA  
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- [54] CHAUSSURE IMPERMEABLE A L'EAU CONFORTABLE A DOUBLE STRUCTURE PERMEABLE A L'HUMIDITE
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- [54] MECANISMES DE RETRACTION D'AIGUILLE DE DISPOSITIF D'ADMINISTRATION DE FLUIDE, CARTOUCHES ET JOINTS FLUIDIQUES ETANCHES EXTENSIBLES
- [72] LEVESQUE, STEVEN F., US
- [72] JENKINS, GEOFFREY H., US
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- [72] JOHNSON, MATTHEW P., US
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[54] PROCEDE ET DISPOSITIF D'EMISSION D'UN SIGNAL DE REFERENCE DE SUIVI DE PHASE  
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[73] CARL FREUDENBERG KG, DE  
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[54] MECANISME DE SOURCE LUMINEUSE A DEL, POSTE TELEPHONIQUE ET PROCEDE DE FORMATION D'UNE SOURCE LUMINEUSE A DEL  
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- [73] AIRBUS HELICOPTERS, FR
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- [72] KAWAI, YUYA, JP
- [72] KITAGAWA, JUNICHI, JP
- [72] OSHIMA, YASUHIDE, JP
- [72] KOJIMA, KATSUMI, JP
- [73] JFE STEEL CORPORATION, JP
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- [72] STEPHENSON, STANLEY V., US
- [72] DUSTERHOFT, RONALD G., US
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- [72] CHEN, MICHAEL A., US
- [73] COMCAST CABLE COMMUNICATIONS, LLC, US
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- [25] EN
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- [54] SURVEILLANCE DE LA POSITION TRANSVERSALE D'UNE BANDE TRANSPORTEUSE ET DE SA CHARGE DE MATERIAU PAR ANALYSE D'IMAGE NUMERIQUE
- [72] POLAK, MARK, CA
- [72] CARNIATO, MICHAEL, CA
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- [54] SYSTEME DE FOURNITURE D'AEROSOL ELECTRONIQUE
- [72] EZEOKO, MAURICE, GB
- [72] LEADLEY, DAVID, GB
- [72] MULLIN, MARTIN CONRAD, GB
- [73] NICOVENTURES TRADING LIMITED, GB
- [85] 2020-06-19
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[25] EN  
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[54] PROCÉDES ET SYSTÈMES POUR SURVEILLER ET OPTIMISER DES OPERATIONS DE STIMULATION DE RESERVOIR  
[72] YI, XIAOHUA, US  
[72] DISKO, MARK M., US  
[72] SONG, LIMIN, US  
[72] HOWELL, DAVID A., US  
[73] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US  
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[54] ANTICORPS DIRIGÉS CONTRE L'IMMUNORECEPTEUR DES LYMPHOCYTES T AVEC DES DOMAINES IG ET ITIM (TIGIT) ET LEURS UTILISATIONS  
[72] CUI, FEIFEI, CN  
[72] FANG, LEI, CN  
[72] GUO, BINGSHI, CN  
[72] WANG, ZHENGYI, CN  
[72] ZANG, JINGWU, CN  
[73] I-MAB BIOPHARMA (HANGZHOU) CO., LTD., CN  
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[72] SAKURAI, TORU, JP  
[72] HIDESHIMA, TAKU, JP  
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[73] JAPAN TOBACCO INC., JP  
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[25] EN  
[54] COMPREHENSIVE SYSTEM AND METHOD OF UNIVERSAL REAL-TIME LINKING OF REAL OBJECTS TO A MACHINE, NETWORK, INTERNET, OR SOFTWARE SERVICE  
[54] SYSTEME ET PROCEDE EXHAUSTIFS DE LIAISON UNIVERSELLE EN TEMPS REEL D'OBJETS REELS A UNE MACHINE, A UN RESEAU, A L'INTERNET OU A UN SERVICE DE LOGICIEL  
[72] H. KAZEROUNI, POOYA, CA  
[73] LINQUET TECHNOLOGIES, INC., CA  
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[54] DISPOSITIF DE DETECTION DE TRACES  
[72] ZHANG, QINGJUN, CN  
[72] LI, YUANJING, CN  
[72] CHEN, ZHIQIANG, CN  
[72] LI, JIANMIN, CN  
[72] LIU, YINONG, CN  
[72] LIU, YAOHONG, CN  
[72] ZHAO, YANQIN, CN  
[72] YAN, LILI, CN  
[72] CAO, BIAO, CN  
[72] MA, QIUFENG, CN  
[72] LI, GE, CN  
[73] NUCTECH COMPANY LIMITED, CN  
[73] TSINGHUA UNIVERSITY, CN  
[86] (3087427)  
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[54] FILTRAGE DE DEBLOCAGE A LONGUEUR ADAPTATIVE DANS UN CODAGE VIDEO  
[72] TSAI, CHIA-MING, CN  
[72] CHUANG, TZU-DER, CN  
[72] HSU, CHIH-WEI, CN  
[72] CHEN, CHING-YEH, CN  
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[73] HFI INNOVATION INC., TW  
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  - [54] DISPOSITIF DE CONFIRMATION, PROCEDE DE CONFIRMATION ET PROGRAMME
  - [72] MATSUURA HIROKI, JP
  - [73] NEC CORPORATION, JP
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- [54] COMPOSITION D'ADDITION AMELIORANT LA MISCELLANEOUS DES LUBRIFIANTS DANS DES SYSTEMES DE CLIMATISATION ET DE REFRIGERATION
- [72] APPLER, PAUL, CA
- [72] CRANTON, GEORGE A., CA
- [73] ALLTEMP PRODUCTS COMPANY LIMITED, CA
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  - [54] DISPOSITIF D'ALIMENTATION D'UN ENSEMBLE MODULAIRE
  - [72] KARC, JEFFREY, US
  - [72] KNODE, GALEN E., US
  - [72] BAKER, RHODES B., US
  - [73] LUTRON TECHNOLOGY COMPANY LLC, US
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- [54] ELEMENT DE TRANSPORT DE LIQUIDE POUR UN SYSTEME DE FOURNITURE DE VAPEUR
- [72] POTTER, MARK, GB
- [72] TIPTON, WADE, GB
- [72] HARRIS, WILLIAM, GB
- [72] ROWE, CHRISTOPHER, GB
- [72] DAVIES, JAMES, GB
- [72] BOONZAIER, JAMES, GB
- [72] DEVINE, CONOR, GB
- [73] NICOVENTURES TRADING LIMITED, GB
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  - [54] DISPOSITIF DE PRODUCTION D'AEROSOL ET PROCEDE ET PROGRAMME D'ACTIONNEMENT ASSOCIES
  - [72] YAMADA, MANABU, JP
  - [72] AKAO, TAKESHI, JP
  - [72] MIZUGUCHI, KAZUMA, JP
  - [72] TSUJI, MASAYUKI, JP
  - [72] FUJITA, HAJIME, JP
  - [73] JAPAN TOBACCO INC., JP
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  - [72] MOSER, PASCAL, CH
  - [73] OETIKER SCHWEIZ AG, CH
  - [85] 2020-07-27
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- [54] GENERATEUR D'OZONE AVEC ELEMENT D'ALIMENTATION
- [72] HASHIMOTO, MICHIKO, JP
- [72] MURATA, TAKAAKI, JP
- [72] KUBO, KIE, JP
- [72] OKITA, YUJI, JP
- [73] KABUSHIKI KAISHA TOSHIBA, JP
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[54] FERMETURE A BOUCHON DE BONDE POURVUE D'UN ENSEMBLE SOUPAPE POUR CONTEINANTS A BONDE  
[72] KLATT, BERND, DE  
[73] SCHUTZ GMBH & CO. KGAA, DE  
[85] 2020-08-06  
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[54] PROCEDE DE CREATION AUTOMATIQUE DE SQUELETTE  
[72] ORVALHO, VERONICA, PT  
[72] FERREIRA DE ABREU ALMEIDA, FILIPE JOSE, PT  
[72] PEREIRA, HUGO, PT  
[72] IORNS, THOMAS, PT  
[72] MIRANDA, JOSE, PT  
[73] DIDIMO, INC., PT  
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[72] KUTER-ARNEBECK, OTTOLEO, US  
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[51] Int.Cl. D06M 10/00 (2006.01) A47L 17/08 (2006.01) D06M 11/36 (2006.01) D06M 11/49 (2006.01) D06M 11/58 (2006.01) D06M 15/263 (2006.01) D06M 15/507 (2006.01) D06M 15/55 (2006.01) D06M 15/564 (2006.01) D06M 23/08 (2006.01)  
[25] EN  
[54] METAL DETECTABLE SCOURING PAD  
[54] TAMPON A RECUPERER DETECTABLE COMME DU METAL  
[72] MARTIN, ROBERT, US  
[72] DI BENEDETTO, MARIO, IT  
[73] ILLINOIS TOOL WORKS INC., US  
[85] 2020-08-17  
[86] 2019-02-14 (PCT/US2019/018013)  
[87] (WO2019/161057)  
[30] US (62/632,087) 2018-02-19  
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[51] Int.Cl. B26B 21/22 (2006.01) B26B 21/40 (2006.01)  
[25] EN  
[54] SHAVING RAZOR SYSTEM INCLUDING SKIN INTERCONNECT MEMBER  
[54] SYSTEME DE RASOIR COMPRENANT UN ELEMENT D'INTERCONNEXION DE PEAU  
[72] PATEL, ASHOK BAKUL, US  
[72] JOHNSON, ROBERT HAROLD, US  
[72] WASHINGTON, JACK ANTHONY, US  
[72] BRUNO, MICHAEL HAL, US  
[73] THE GILLETTE COMPANY LLC, US  
[85] 2020-08-17  
[86] 2019-03-27 (PCT/US2019/024174)  
[87] (WO2019/191156)  
[30] US (62/650,292) 2018-03-30

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[25] EN  
[54] ELECTROACTIVE POLYMER-BASED DOWNHOLE SEAL  
[54] JOINT DE FOND DE TROU A BASE DE POLYMERÉE ELECTROACTIF  
[72] ZHAO, LEI, US  
[72] XU, ZHIYUE, US  
[72] DENG, GUIJUN, US  
[73] BAKER HUGHES HOLDINGS LLC, US  
[85] 2020-08-19  
[86] 2019-02-22 (PCT/US2019/019175)  
[87] (WO2019/165225)  
[30] US (62/634,528) 2018-02-23

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[13] C

[51] Int.Cl. F25J 1/00 (2006.01) F25J 1/02 (2006.01) F25J 3/02 (2006.01)  
[25] EN  
[54] METHOD AND SYSTEM FOR LIQUEFACTION OF NATURAL GAS USING LIQUID NITROGEN  
[54] PROCEDE ET SYSTEME DE LIQUEFACTION DE GAZ NATUREL PAR UTILISATION D'AZOTE LIQUIDE  
[72] PIERRE, FRITZ, JR., US  
[73] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US  
[85] 2020-08-20  
[86] 2019-01-30 (PCT/US2019/015819)  
[87] (WO2019/177705)  
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(2006.01) A61K 31/496 (2006.01)  
A61P 1/16 (2006.01)
- [25] EN
- [54] COMPOUND AND COMPOSITION FOR PREVENTION, ALLEVIATION OR TREATMENT OF FIBROSIS OR NON-ALCOHOLIC STEATOHEPATITIS
- [54] COMPOSE ET COMPOSITION POUR LA PREVENTION, L'ATTENUATION OU LE TRAITEMENT DE LA FIBROSE ET DE LA STEATOHEPATITE NON ALCOOLIQUE
- [72] YOUN, BYUNG SOO, KR  
[72] KIM, JUN HWAN, KR  
[72] KIM, HAN SOO, KR  
[72] YOON, HO SUP, SG  
[72] KIM, IK HWAN, KR  
[73] OSTEONEUROGEN INC., KR  
[85] 2020-08-26  
[86] 2018-06-01 (PCT/KR2018/006308)  
[87] (WO2019/168237)  
[30] KR (10-2018-0023415) 2018-02-27
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[13] C

- [51] Int.Cl. C21D 7/13 (2006.01) C21D  
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C22C 38/00 (2006.01) C22C 38/02  
(2006.01) C22C 38/06 (2006.01) C22C  
38/42 (2006.01) C22C 38/44 (2006.01)  
C22C 38/46 (2006.01) C22C 38/48  
(2006.01) C22C 38/50 (2006.01) C22C  
38/54 (2006.01) C22C 38/58 (2006.01)
- [25] EN
- [54] FORGED PART OF BAINITIC STEEL AND A METHOD OF MANUFACTURING THEREOF
- [54] PIECE FORGEE EN ACIER BAINITIQUE ET SON PROCEDE DE FABRICATION
- [72] BORDEREAU, VICTOR, FR  
[73] ARCELORMITTAL, LU  
[85] 2020-08-27  
[86] 2019-03-15 (PCT/IB2019/052125)  
[87] (WO2019/180563)  
[30] IB (PCT/IB2018/051970) 2018-03-23

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D21H 13/08 (2006.01)
- [25] EN
- [54] PULP AND LYOCCELL ARTICLES WITH REDUCED CELLULOSE CONTENT
- [54] PULPE ET ARTICLES EN LYOCCELL AVEC UN TAUX EN CELLULOSE REDUIT
- [72] SILBERMANN, VERENA, AT  
[72] OPIETNIK, MARTINA, AT  
[72] SCHILD, GABRIELE, AT  
[72] MODERL, SUSANNE, AT  
[72] KORBLER, MAGDALENA, AT  
[73] LENZING AKTIENGESELLSCHAFT, AT  
[85] 2020-08-24  
[86] 2019-03-06 (PCT/EP2019/055593)  
[87] (WO2019/170763)  
[30] EP (18160123.8) 2018-03-06
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[13] C

- [51] Int.Cl. F16J 15/06 (2006.01) B26B  
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F16L 23/00 (2006.01)
- [25] EN
- [54] RAZOR HANDLE WITH MOVABLE MEMBERS
- [54] MANCHE DE RASOIR AVEC ELEMENTS MOBILES
- [72] BOURQUE, STEVEN MICHAEL, US  
[72] JOHNSON, ROBERT HAROLD, US  
[72] BAUER, MATTHEW STEPHEN, US  
[72] WASHINGTON, JACK ANTHONY, US  
[72] BASSETT, CHARLES JAMES, US  
[72] RAMM, CHRISTOPHER, US  
[72] PATEL, ASHOK BAKUL, US  
[73] THE GILLETTE COMPANY LLC, US  
[85] 2020-09-01  
[86] 2019-03-27 (PCT/US2019/024266)  
[87] (WO2019/191220)  
[30] US (62/650,961) 2018-03-30

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[13] C

- [51] Int.Cl. B23K 13/02 (2006.01) H05B  
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- [25] EN
- [54] INDUCTION HEATING EXTENSION CABLES INCLUDING CONTROL CONDUCTORS
- [54] FILS D'EXTENSION DE CHAUFFAGE PAR INDUCTION COMPRENANT DES CONDUCTEURS DE COMMANDE
- [72] SALSICH, ANTHONY V., US  
[72] VERHAGEN, PAUL, US  
[73] ILLINOIS TOOL WORKS INC., US  
[85] 2020-09-02  
[86] 2019-03-22 (PCT/US2019/023587)  
[87] (WO2019/183478)  
[30] US (15/928,272) 2018-03-22
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[13] C

- [51] Int.Cl. C07D 498/04 (2006.01) A61K  
31/5383 (2006.01) A61P 35/00  
(2006.01)
- [25] EN
- [54] OXAZINO-QUINAZOLINE AND OXAZINO-QUINOLINE TYPE COMPOUND, PREPARATION METHOD AND USES THEREOF
- [54] COMPOSE DE TYPES OXAZINO-QUINAZOLINE ET OXAZINO-QUINOLINE, METHODE DE PREPARATION ET UTILISATIONS CONNEXES
- [72] ZHANG, QIANG, CN  
[72] YU, SHANNAN, CN  
[72] WANG, ZHONGXIANG, CN  
[72] FENG, SHOUYE, CN  
[72] ZHENG, NANQIAO, CN  
[72] YANG, HAILONG, CN  
[72] YANG, LEIFU, CN  
[72] ZHANG, HONGBO, CN  
[72] ZHOU, LIKAI, CN  
[72] XU, ZHANQIANG, CN  
[73] BEIJING SCITECH-MQ PHARMACEUTICALS LIMITED, CN  
[85] 2020-09-08  
[86] 2019-03-05 (PCT/CN2019/077028)  
[87] (WO2019/170088)  
[30] CN (201810182708.1) 2018-03-06

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- [25] EN
- [54] **LOW TEMPERATURE RESISTANT OIL CASING HAVING HIGH STRENGTH AND HIGH TOUGHNESS, AND MANUFACTURING METHOD THEREOF**
- [54] **CARTER D'HUILE RESISTANT A BASSE TEMPERATURE PRESENTANT UNE RESISTANCE ELEVEE ET UNE TENACITE ELEVEE, ET SON PROCEDE DE FABRICATION**
- [72] SUN, WEN, CN
- [72] ZHANG, ZHONGHUA, CN
- [72] DONG, XIAOMING, CN
- [73] BAOSHAN IRON & STEEL CO., LTD., CN
- [85] 2020-09-18
- [86] 2019-03-14 (PCT/CN2019/078163)
- [87] (WO2019/179354)
- [30] CN (201810234656.8) 2018-03-21
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[13] C

- [51] Int.Cl. A47B 43/02 (2006.01) B65D 5/20 (2006.01) B65D 5/24 (2006.01) B65D 77/20 (2006.01)
- [25] EN
- [54] **CARDBOARD TRAY WITH IMPROVED SEAL FLANGES, AND RELATED METHOD**
- [54] **PLATEAU DE CARTON A BRIDES D'ETANCHEITE AMELIOREES ET METHODE CONNEXE**
- [72] ZWAGA, RONALD, NL
- [73] STACKPACK B.V., NL
- [85] 2020-09-21
- [86] 2019-03-18 (PCT/EP2019/056684)
- [87] (WO2019/179930)
- [30] EP (18163496.5) 2018-03-22
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[13] C

- [51] Int.Cl. C10G 69/06 (2006.01) B01J 8/06 (2006.01)
- [25] EN
- [54] **METHOD AND DEVICE FOR VISCOSITY-REDUCING AND UPGRADING OF LOW-GRADE HEAVY OIL**
- [54] **METHODE ET DISPOSITIF POUR REDUIRE LA VISCOSITE ET AMELIORER LE PETROLE LOURD DE MAUVAISE QUALITE**
- [72] TAN, QINGFENG, CN
- [72] MA, AN, CN
- [72] HU, CHANGLU, CN
- [72] WANG, LUHAI, CN
- [72] CHENG, TAO, CN
- [72] WANG, LITAO, CN
- [72] YANG, DONGHAO, CN
- [72] LIU, YINDONG, CN
- [72] WANG, YAN, CN
- [72] HAN, SHUANG, CN
- [72] ZHANG, XIAO, CN
- [72] LIANG, YINGCHUN, CN
- [72] YANG, HANG, CN
- [72] SONG, JUNNAN, CN
- [72] YOU, HUILING, CN
- [72] LU, JINGMAN, CN
- [72] ZHANG, BOHAN, CN
- [72] SU, WU, CN
- [73] PETROCHINA COMPANY LIMITED, CN
- [86] (3096210)
- [87] (3096210)
- [22] 2020-10-15
- [30] CN (201911333626.3) 2019-12-23
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[13] C

- [51] Int.Cl. E21B 19/14 (2006.01)
- [25] EN
- [54] **SKATE DRIVE SYSTEM FOR A CATWALK**
- [54] **SYSTEME D'ENTRAINEMENT DE PATIN POUR UNE PASSERELLE**
- [72] MEUTH, JOSHUA BRANDON, US
- [73] FORUM US, INC., US
- [85] 2020-10-06
- [86] 2019-04-04 (PCT/US2019/025847)
- [87] (WO2019/199581)
- [30] US (15/952,542) 2018-04-13
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[13] C

- [51] Int.Cl. E21B 41/00 (2006.01) E21B 43/25 (2006.01) E21B 44/00 (2006.01)
- [25] EN
- [54] **OPERATING WELLBORE EQUIPMENT USING A DISTRIBUTED DECISION FRAMEWORK**
- [54] **FONCTIONNEMENT D'EQUIPEMENT DE PUITS DE FORAGE UTILISANT UN CADRE DE DECISION DISTRIBUE**
- [72] RANGARAJAN, KESHAVA, US
- [72] WINSTON, JOSEPH BLAKE, US
- [72] MADASU, SRINATH, US
- [72] WANG, XI, US
- [72] PANDEY, YOGENDRA NARAYAN, US
- [72] CHIU, WEI, US
- [72] PADGETT, JEFFERY, US
- [72] TAYLOR, AIMEE JACKSON, CO
- [73] LANDMARK GRAPHICS CORPORATION, US
- [85] 2020-10-08
- [86] 2018-08-02 (PCT/US2018/045016)
- [87] (WO2020/027846)
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[13] C

- [51] Int.Cl. A61B 5/00 (2006.01) A44C 5/00 (2006.01) A61B 10/00 (2006.01) A61K 49/00 (2006.01)
- [25] EN
- [54] **APPARATUS FOR ASSESSING SKIN REACTIVITY TO AN IMPLANT MATERIAL**
- [54] **APPAREIL D'EVALUATION DE LA REACTIVITE DE LA PEAU A UN MATERIAU D'IMPLANT**
- [72] DRZALA, MARK R., US
- [72] REITER, MITCHELL F., US
- [73] DRZALA, MARK R., US
- [73] REITER, MITCHELL F., US
- [85] 2020-10-09
- [86] 2019-04-08 (PCT/US2019/026306)
- [87] (WO2019/199660)
- [30] US (15/948,620) 2018-04-09
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[13] C

- [51] Int.Cl. A61M 5/31 (2006.01) A61J 1/20 (2006.01)  
[25] EN  
[54] SYRINGE ADAPTER WITH ASPIRATION ASSEMBLY  
[54] ADAPTATEUR DE SERINGUE AYANT UN ENSEMBLE D'ASPIRATION  
[72] OSHINSKI, MATTHEW, US  
[72] RIGHEZ MESQUITA, ANTONIO, US  
[73] BECTON DICKINSON AND COMPANY LIMITED, IE  
[85] 2020-10-14  
[86] 2019-04-11 (PCT/US2019/026946)  
[87] (WO2019/204111)  
[30] US (62/659,840) 2018-04-19
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[13] C

- [51] Int.Cl. G06F 17/00 (2019.01) G06F 16/906 (2019.01)  
[25] EN  
[54] DATA CLUSTERING, SEGMENTATION, AND PARALLELIZATION  
[54] MISE EN GRAPPE, SEGMENTATION ET MISE EN PARALLELE DE DONNEES  
[72] ANDERSON, ARLEN, GB  
[73] AB INITIO TECHNOLOGY LLC, US  
[86] (3098038)  
[87] (3098038)  
[22] 2012-11-15  
[62] 2,855,701  
[30] US (61/560,257) 2011-11-15  
[30] US (61/660,259) 2012-06-15
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[13] C

- [51] Int.Cl. F04D 29/58 (2006.01) A61H 33/00 (2006.01) F04D 13/06 (2006.01) F04D 29/40 (2006.01)  
[25] EN  
[54] WATER-COOLED PUMP ASSEMBLY FOR BATHING UNIT SYSTEM AND PUMP ASSEMBLY FOR BATHING UNIT SYSTEM WITH MOUNTING BRACKETS  
[54] ASSEMBLAGE DE POMPE REFROIDIE A L'EAU POUR UN SYSTEME D'UNITE DE BAIN ET ASSEMBLAGE DE POMPE POUR UN SYSTEME D'UNITE DE BAIN AVEC SUPPORTS DE MONTAGE  
[72] PELLETIER, MARTIN, CA  
[72] LAFLAMME, BENOIT, CA  
[72] LESSARD, PHILIPPE, CA  
[73] GROUPE GECKO ALLIANCE INC., CA  
[86] (3098056)  
[87] (3098056)  
[22] 2020-11-04
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[13] C

- [51] Int.Cl. B65D 47/34 (2006.01)  
[25] EN  
[54] ONE TURN ACTUATED DURATION SPRAY PUMP MECHANISM  
[54] MECANISME DE POMPE DE PULVERISATION A DUREE D'ACTIONNEMENT SUR UN TOUR  
[72] BLAKE, WILLIAM S., US  
[73] ALTERNATIVE PACKAGING SOLUTIONS, LLC, US  
[86] (3098078)  
[87] (3098078)  
[22] 2012-04-05  
[62] 2,981,299  
[30] US (13/439,510) 2012-04-04
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[13] C

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[25] EN  
[54] DRY POWDER DRUG DELIVERY SYSTEMS AND METHODS  
[54] SYSTEMES ET PROCEDES DE LIBERATION DE MEDICAMENT EN POUDRE SECHE  
[72] SMUTNEY, CHAD C., US  
[72] ADAMO, BENOIT, US  
[72] LAURENZI, BRENDAN F., US  
[72] KINSEY, P. SPENCER, US  
[73] MANNKIND CORPORATION, US  
[86] (3098386)  
[87] (3098386)  
[22] 2013-07-12  
[62] 2,878,457  
[30] US (61/671,041) 2012-07-12
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[13] C

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[25] EN  
[54] INORGANIC FIBER  
[54] FIBRE INORGANIQUE  
[72] ZHAO, DONGHUI, US  
[72] ZOITOS, BRUCE K., US  
[72] ANDREJCAK, MICHAEL J., US  
[72] HAMILTON, JASON M., US  
[73] UNIFRAX I LLC, US  
[85] 2020-10-26  
[86] 2019-05-16 (PCT/US2019/032594)  
[87] (WO2019/226450)  
[30] US (15/990,237) 2018-05-25

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[51] Int.Cl. G02C 7/04 (2006.01) G02B  
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[25] EN

[54] CONTACT LENS WITH A  
HYDROPHILIC LAYER

[54] LENTILLE DE CONTACT  
COMPRENANT UNE COUCHE  
HYDROPHILE

[72] MCGIBBON, ANDREW A., US

[72] LUXON, EVAN S., US

[72] COOK, PAUL A., US

[72] SMITH, GARRETT C., US

[72] ACKERMANN, DOUGLAS M., US

[72] FELKINS, BRANDON M., US

[72] HAVENSTRITE, KAREN L., US

[72] MCCRAY, VICTOR W., US

[73] TANGIBLE SCIENCE, INC., US

[86] (3100641)

[87] (3100641)

[22] 2013-08-27

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[13] C

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18/08 (2006.01) A61F 5/56 (2006.01)  
A61M 16/08 (2006.01)

[25] EN

[54] AUTOMATICALLY ADJUSTING  
HEADGEAR FOR PATIENT  
INTERFACE

[54] GARNITURE DE TETE A  
AJUSTEMENT AUTOMATIQUE  
POUR UNE INTERFACE PATIENT

[72] MCLAREN, MARK ARVIND, NZ

[72] HAMMER, JEROEN, NZ

[72] KAPELEVICH, VITALY, NZ

[72] HUDDART, BRETT JOHN, NZ

[73] FISHER & PAYKEL HEALTHCARE  
LIMITED, NZ

[86] (3101155)

[87] (3101155)

[22] 2014-04-24

[62] 3,010,681

[30] US (61/815,624) 2013-04-24

[30] US (61/866,926) 2013-08-16

[30] US (61/866,953) 2013-08-16

[30] US (61/871,789) 2013-08-29

[30] US (61/945,727) 2014-02-27

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[11] 3,101,275

[13] C

[51] Int.Cl. A47J 37/06 (2006.01)

[25] EN

[54] SANDWICH MAKER

[54] GRILLE-SANDWICH

[72] WU, YU-CHIEH, CN

[72] CHANG, I-TING, CN

[73] PRESIDENT CHAIN STORE CORP.,  
CN

[86] (3101275)

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[22] 2020-11-30

[30] TW (109213951) 2020-10-22

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[11] 3,102,500

[13] C

[51] Int.Cl. H04N 21/436 (2011.01) H04W  
16/14 (2009.01) H04N 21/431  
(2011.01) H04N 21/482 (2011.01)

[25] EN

[54] TRANSMISSION OF VIDEO  
SIGNALS

[54] TRANSMISSION DE SIGNAUX  
VIDEO

[72] URBAN, DAVID, US

[72] SALINGER, JORGE, US

[73] COMCAST CABLE  
COMMUNICATIONS, LLC, US

[86] (3102500)

[87] (3102500)

[22] 2011-10-13

[62] 2,755,062

[30] US (12/904,380) 2010-10-14

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[11] 3,102,720

[13] C

[51] Int.Cl. B65D 71/50 (2006.01) A47J  
47/14 (2006.01)

[25] EN

[54] CONTAINER CARRIER WITH  
FLEXIBLE FLANGE

[54] PORTE-CONTENEUR A BRIDE  
SOUPLE

[72] BORG, ZAKARY JAMES, US

[72] MELLOR, RONALD LEE, JR., US

[73] OREGON PRECISION INDUSTRIES,  
INC. DBA PAKTECH, US

[86] (3102720)

[87] (3102720)

[22] 2017-06-29

[62] 2,972,081

[30] US (15/449,831) 2017-03-03

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[11] 3,106,627

[13] C

[51] Int.Cl. E21B 33/04 (2006.01) E21B  
23/06 (2006.01) E21B 33/12 (2006.01)

[25] EN

[54] INSTALLATION OF AN  
EMERGENCY CASING SLIP  
HANGER AND ANNULAR  
PACKOFF ASSEMBLY HAVING A  
METAL TO METAL SEALING  
SYSTEM THROUGH THE  
BLOWOUT PREVENTER

[54] INSTALLATION D'UN DISPOSITIF  
DE SUSPENSION COUSSISETTE  
D'UN BOITIER D'URGENCE ET  
ENSEMBLE GARNITURE  
ANNULAIRE COMPRENANT UN  
SYSTEME D'ETANCHEITE  
METAL-METAL A TRAVERS  
L'OBTURATEUR ANTI-  
ERUPTION

[72] KAUFFMANN, FREDERIC, GB

[72] HAINING, GEORGE B., GB

[73] FMC TECHNOLOGIES, INC., US

[86] (3106627)

[87] (3106627)

[22] 2014-03-31

[62] 2,943,843

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[11] 3,107,876

[13] C

[51] Int.Cl. B05B 15/70 (2018.01) B25J  
5/00 (2006.01) B25J 11/00 (2006.01)  
E04B 1/76 (2006.01)

[25] EN

[54] METHOD OF COVERING A  
SURFACE OF A BUILDING AND  
ROBOT THEREFOR

[54] PROCEDE POUR RECOUVRIR  
UNE SURFACE D'UN BATIMENT  
ET ROBOT CORRESPONDANT

[72] LIPINSKI, TOMASZ B., GB

[72] CHILDS, PETER R. N., GB

[72] HOLLOWAY, MATHEW, GB

[73] Q-BOT LIMITED, GB

[86] (3107876)

[87] (3107876)

[22] 2014-05-23

[62] 2,911,985

[30] GB (1309324.0) 2013-05-23

[30] GB (1311928.4) 2013-07-03

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29 novembre 2022

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[11] 3,109,331  
[13] C

- [51] Int.Cl. C01B 32/182 (2017.01) C01B 32/184 (2017.01) C01B 32/194 (2017.01) C01B 32/198 (2017.01)  
[25] EN  
[54] A METHOD FOR THE MANUFACTURE OF MICROWAVE-REDUCED GRAPHENE OXIDE  
[54] PROCEDE DE FABRICATION D'OXYDE DE GRAPHENE REDUIT PAR MICRO-ONDES  
[72] VU, THI TAN, ES  
[72] PEREZ VIDAL, OSCAR, ES  
[72] ARRIBAS, JUAN JOSE, ES  
[72] NORIEGA PEREZ, DAVID, ES  
[72] SUAREZ SANCHEZ, ROBERTO, ES  
[73] ARCELORMITTAL, LU  
[85] 2021-02-10  
[86] 2019-07-09 (PCT/IB2019/055835)  
[87] (WO2020/049373)  
[30] IB (PCT/IB2018/056764) 2018-09-05

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[11] 3,109,486  
[13] C

- [51] Int.Cl. F24F 11/36 (2018.01)  
[25] EN  
[54] HVAC SYSTEMS AND METHODS WITH REFRIGERANT LEAK DETECTION  
[54] SYSTEMES CVCA ET PROCEDES AVEC DETECTION DES FUITES DE FRIGORIGENE  
[72] GOEL, RAKESH, US  
[72] OLSEN, MARK, US  
[72] BOYD, HERMON ALAN, US  
[73] LENNOX INDUSTRIES INC., US  
[86] (3109486)  
[87] (3109486)  
[22] 2015-05-12  
[62] 2,891,059  
[30] US (14/304,871) 2014-06-13

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[11] 3,111,949  
[13] C

- [51] Int.Cl. A01G 9/02 (2018.01) A01G 27/00 (2006.01) A01G 27/02 (2006.01) A01G 31/02 (2006.01)  
[25] EN  
[54] GROWTH DEVICE FOR CROP, USE OF SUCH A DEVICE, AND A SERIES OF GROWTH DEVICES  
[54] DISPOSITIF DE CROISSANCE POUR CULTURE, UTILISATION D'UN TEL DISPOSITIF ET SERIE DE DISPOSITIFS DE CROISSANCE  
[72] JANSEN, HENDRIKUS WILHELMUS THEODORUS, NL  
[73] DARTDIJK N.V., NL  
[73] HEVORMA B.V., NL  
[86] (3111949)  
[87] (3111949)  
[22] 2013-11-13  
[62] 2,890,953  
[30] NL (2009794) 2012-11-13

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[11] 3,111,995  
[13] C

- [51] Int.Cl. E01B 11/54 (2006.01)  
[25] EN  
[54] LAP JOINT  
[54] JOINT A RECOUVREMENT  
[72] URMSON, WILLIAM T., JR, US  
[72] MOSPAN, JOHN W., US  
[72] REMINGTON, JAMES A., US  
[73] KOPPERS DELAWARE, INC., US  
[86] (3111995)  
[87] (3111995)  
[22] 2007-09-14  
[62] 3,047,761  
[30] US (60/844,774) 2006-09-15  
[30] US (11/900,635) 2007-09-12

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[11] 3,112,063  
[13] C

- [51] Int.Cl. B07C 3/00 (2006.01)  
[25] EN  
[54] TRANSFORMABLE TRAY AND TRAY SYSTEM FOR RECEIVING, TRANSPORTING AND UNLOADING ITEMS  
[54] PLATEAU TRANSFORMABLE ET SYSTEME DE PLATEAU PERMETTANT DE RECEVOIR, DE TRANSPORTER ET DE DECHARGER DES ARTICLES  
[72] SMITH, GREGORY J., US  
[72] PERRY-EATON, WAYNE R., US  
[72] STRATTON, CHRISTOPHER M., US  
[72] POTTER, THOMAS C., US  
[73] UNITED STATES POSTAL SERVICE, US  
[86] (3112063)  
[87] (3112063)  
[22] 2015-09-29  
[62] 2,963,262  
[30] US (62/058,407) 2014-10-01

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November 29, 2022**

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[11] **3,114,454**  
[13] C  
[51] Int.Cl. C07D 471/04 (2006.01) A61K  
31/513 (2006.01)  
[25] EN  
[54] A SOLID DISPERSION OF N4-(4-  
([1,2,4]TRIAZOLO[1,5-  
.ALPHA.]PYRIDIN-7-YLOXY)-3-  
METHYLPHENYL)-N6-(4,4-  
DIMETHYL-4,5-  
DIHYDROOXAZOL-2-  
YL)QUINAZOLINE-4,6-DIAMINE  
[54] DISPERSION SOLIDE DE  
N4-(4-([1,2,4]TRIAZOLO[1,5-  
.A]PYRIDIN-7-YLOXY)-3-  
METHYLPHENYL)-N6-(4,4-  
DIMETHYL-4,5-  
DIHYDROOXAZOL-2-  
YL)QUINAZOLINE-4,6-DIAMINE  
[72] FRY, DAVID SHANK, US  
[72] LINDEMANN, CHRISTOPHER M.,  
US  
[72] PREIGH, MICHAEL, US  
[72] BLOOM, COREY JAY, US  
[72] CRAIG, CHRISTOPHER DONOVAN,  
US  
[72] DUBOSE, DEVON BREVARD, US  
[72] GAUTSCHI, JEFF, US  
[72] SMITHEY, DAN, US  
[73] ARRAY BIOPHARMA INC., US  
[86] (3114454)  
[87] (3114454)  
[22] 2012-10-12  
[62] 2,852,058  
[30] US (61/547,620) 2011-10-14  
[30] US (61/606,207) 2012-03-02

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[11] **3,117,857**  
[13] C  
[51] Int.Cl. E21B 47/10 (2012.01) E21B  
43/26 (2006.01)  
[25] EN  
[54] TEMPERATURE PROFILE  
SIMULATION EXPERIMENTAL  
APPARATUS FOR TWO-PHASE  
OIL AND GAS RESERVOIR  
FRACTURED HORIZONTAL  
WELL, AND METHOD  
THEREFOR  
[54] APPAREIL EXPERIMENTAL DE  
SIMULATION DE PROFIL DE  
TEMPERATURE POUR PUITS  
HORIZONTAL FRACTURE DE  
RESERVOIR DE PETROLE ET DE  
GAZ A DEUX PHASES, ET  
PROCEDE ASSOCIE  
[72] LI, HAITAO, CN  
[72] LUO, HONGWEN, CN  
[72] LIU, WEIMING, CN  
[72] WANG, YONGQING, CN  
[72] GUO, ZHENHUA, CN  
[73] SOUTHWEST PETROLEUM  
UNIVERSITY, CN  
[85] 2021-04-27  
[86] 2020-05-25 (PCT/CN2020/092126)  
[87] (WO2020/238857)  
[30] CN (201910443055.2) 2019-05-26

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[11] **3,118,864**  
[13] C  
[51] Int.Cl. G01V 1/22 (2006.01) E21B  
47/135 (2012.01) G01V 1/18 (2006.01)

[25] EN  
[54] INTEGRATED SEISMIC  
MONITORING SYSTEM AND  
METHOD  
[54] SYSTEME INTEGRE DE  
SURVEILLANCE SISMIQUE ET  
PROCEDE  
[72] MAAS, STEVEN JAMES, US  
[72] BUNN, JAMES BRETT, US  
[73] SHELL INTERNATIONALE  
RESEARCH MAATSCHAPPIJ B.V.,  
NL  
[86] (3118864)  
[87] (3118864)  
[22] 2013-03-05  
[62] 2,866,255  
[30] US (61/608,345) 2012-03-08

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[11] **3,122,340**  
[13] C

[51] Int.Cl. H04W 4/90 (2018.01) H04W  
4/12 (2009.01) H04W 4/029 (2018.01)  
G08B 21/02 (2006.01)  
[25] EN  
[54] SYSTEMS AND METHODS FOR  
EMERGENCY NOTIFICATION  
[54] SYSTEMES ET PROCEDES POUR  
LA NOTIFICATION D'URGENCE  
[72] PHILLIPS, GORDON EDWARD, CA  
[73] PHILLIPS, GORDON EDWARD, CA  
[85] 2021-06-02  
[86] 2019-11-19 (PCT/CA2019/051645)  
[87] (WO2020/118410)  
[30] US (62/780,151) 2018-12-14  
[30] US (16/687,773) 2019-11-19

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[11] **3,118,828**  
[13] C  
[51] Int.Cl. A61B 5/145 (2006.01) A61B  
5/15 (2006.01) A61B 5/151 (2006.01)  
A61B 5/157 (2006.01)  
[25] EN  
[54] ANALYTE SENSOR DEVICES,  
CONNECTIONS, AND METHODS  
[54] DISPOSITIFS DETECTEURS  
D'ANALYTES, CONNEXIONS, ET  
PROCEDES  
[72] CARTER, PHILLIP WILLIAM, US  
[72] CURRY, SAMUEL MASON, US  
[72] DONNAY, MANUEL LUIS MIGUEL,  
US  
[72] HOSS, UDO, US  
[72] MHATRE, AMIT, US  
[72] OLSON, JENNIFER, US  
[72] PACE, LOUIS, US  
[72] ROBINSON, PETER G., US  
[72] TAUB, MARC BARRY, US  
[72] DIO-ALMA, VINCENT MICHAEL,  
US  
[73] ABBOTT DIABETES CARE INC., US  
[86] (3118828)  
[87] (3118828)  
[22] 2012-12-11  
[62] 2,840,642  
[30] US (61/569,287) 2011-12-11

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[11] 3,135,415

[13] C

- [51] Int.Cl. E21B 33/14 (2006.01) E21B 17/02 (2006.01) E21B 23/00 (2006.01) E21B 33/04 (2006.01) E21B 33/05 (2006.01) E21B 33/13 (2006.01)
- [25] EN
- [54] SYSTEM AND METHOD FOR OFFLINE CEMENTING IN BATCH DRILLING
- [54] SYSTEME ET PROCEDE DE CIMENTATION HORS LIGNE DANS UN FORAGE PAR LOTS
- [72] PANG, RAY DICKSANG, US
- [72] DONG, PHU DUC SY, US
- [72] NAVA, MOISES, US
- [72] HAMILTON, RUSSELL, US
- [73] SPM OIL & GAS PC LLC, US
- [85] 2021-09-28
- [86] 2020-04-04 (PCT/US2020/026774)
- [87] (WO2020/206393)
- [30] US (62/830,163) 2019-04-05
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[11] 3,135,751

[13] C

- [51] Int.Cl. G06F 16/29 (2019.01) G06F 16/487 (2019.01) G06F 16/587 (2019.01) G06F 16/687 (2019.01) G06F 16/909 (2019.01)
- [25] EN
- [54] SYSTEM AND METHOD ASSOCIATED WITH AN INSULAR DIGITAL CONTENT DISTRIBUTION PLATFORM THAT GENERATES DISCRETE EPOCHS OF CONTENT BASED ON DETERMINATION OF A GERMANE ZIP-SPAN POLYGON REGION
- [54] SYSTEME ET PROCEDE ASSOCIES A UNE PLATEFORME DE DISTRIBUTION DE CONTENU NUMERIQUE INSULAIRE QUI GENERE DES EPOQUES DISTINCTES DE CONTENU SUR LA BASE DE LA DETERMINATION D'UNE REGION DE POLYGONE ZIP-SPAN APPROPRIEE
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[72] EVSEROFF, PAUL, US

[72] FEINBERG, ADAM, US

[73] NEIGHBORCOM, LLC, US

[85] 2021-09-30

[86] 2020-03-12 (PCT/US2020/022385)

[87] (WO2020/209976)

[30] US (62/832,539) 2019-04-11

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[11] 3,146,498

[13] C

- [51] Int.Cl. B60C 23/04 (2006.01)
- [25] EN
- [54] A TIRE
- [54] PNEU
- [72] SOINI, TEEMU, FI
- [72] RAISANEN, JANI, FI
- [72] ANTIKAINEN, ATTE, FI
- [72] OJALA, JARI, FI
- [73] NOKIAN RENKAAT OYJ, FI
- [85] 2021-09-23
- [86] 2020-03-09 (PCT/EP2020/056156)
- [87] (WO2020/200660)
- [30] EP (19397508.3) 2019-03-29
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[11] 3,152,396

[13] C

- [51] Int.Cl. F23H 13/06 (2021.01) F23H 9/00 (2021.01) F23H 15/00 (2006.01)
- [25] EN
- [54] ROTATING GRATE WITH A CLEANING DEVICE FOR A BIOMASS HEATING SYSTEM
- [54] GRILLE ROTATIVE AVEC DISPOSITIF DE NETTOYAGE POUR UN SYSTEME DE CHAUFFAGE A BIOMASSE
- [72] SOMMERAUER, THILO, AT
- [73] SL-TECHNIK GMBH, AT
- [85] 2022-02-24
- [86] 2020-09-03 (PCT/EP2020/074587)
- [87] (WO2021/043898)
- [30] EP (19195118.5) 2019-09-03
- [30] EP (19210080.8) 2019-11-19
- [30] EP (19210444.6) 2019-11-20
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[11] 3,152,397

[13] C

- [51] Int.Cl. F23N 5/00 (2006.01) F24H 15/36 (2022.01) F23B 90/00 (2011.01) F23G 5/46 (2006.01) F23G 5/50 (2006.01) F24D 19/10 (2006.01)
- [25] EN
- [54] METHOD FOR COMMISSIONING A BIOMASS HEATING SYSTEM
- [54] PROCEDE DE DEMARRAGE DE FONCTIONNEMENT D'INSTALLATION DE CHAUFFAGE DE BIOMASSE
- [72] SOMMERAUER, THILO, AT
- [73] SL-TECHNIK GMBH, AT
- [85] 2022-02-24
- [86] 2020-09-03 (PCT/EP2020/074583)
- [87] (WO2021/043894)
- [30] EP (19195118.5) 2019-09-03
- [30] EP (19210080.8) 2019-11-19
- [30] EP (19210444.6) 2019-11-20

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[11] 3,153,209

[13] C

- [51] Int.Cl. B65D 88/54 (2006.01) B65D 88/74 (2006.01) B65D 90/00 (2006.01) G07C 9/00 (2020.01) G07F 9/10 (2006.01)
- [25] EN
- [54] TRANSPORTABLE REFRIGERATED CONTAINER AND METHOD OF DISTRIBUTION OF PERISHABLE GOODS
- [54] CONTENEUR REFRIGERE TRANSPORTABLE ET PROCEDE DE DISTRIBUTION DE DENREES PERISSABLES
- [72] HIBBERT-GARIBALDI, JEREMY, GB
- [72] DAWE, LUCAS JOHN, GB
- [73] CAPRERA LIMITED, GB
- [85] 2022-03-30
- [86] 2020-10-08 (PCT/IB2020/059469)
- [87] (WO2021/070110)
- [30] GB (1914589.5) 2019-10-09

# Canadian Applications Open to Public Inspection

November 13, 2022 to November 19, 2022

## Demandes canadiennes mises à la disponibilité du public

13 novembre 2022 au 19 novembre 2022

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[21] 3,118,229  
[13] A1

[51] Int.Cl. G07C 9/00 (2020.01) E05B  
47/00 (2006.01) E05G 1/026 (2006.01)  
[25] EN  
[54] SYSTEM OPERATED  
RESPONSIVE TO DATA BEARING  
RECORDS  
[54] SYSTEME CONTROLE EN  
REPOSE A DES  
ENREGISTREMENTS DE  
DONNEES  
[72] ESTILL, JIM, CA  
[71] SHIPPERBEE, INC., CA  
[22] 2021-05-13  
[41] 2022-11-13

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[21] 3,118,265  
[13] A1

[51] Int.Cl. A63C 13/00 (2006.01)  
[25] EN  
[54] SNOWSHOE TRACTION DEVICE  
[54] DISPOSITIF D'ADHERENCE  
POUR RAQUETTE  
[72] FETTERLY, MATTHIEW, CA  
[71] FETTERLY, MATTHIEW, CA  
[22] 2021-05-13  
[41] 2022-11-13

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[21] 3,118,396  
[13] A1

[51] Int.Cl. A01M 1/02 (2006.01)  
[25] EN  
[54] INSECT EGRESS DEVICE  
[54] DISPOSITIF DE SORTIE  
D'INSECTE  
[72] GARDNER, JONATHAN, CA  
[72] CHADNEY, JAMES, CA  
[71] GARDNER, JONATHAN, CA  
[71] CHADNEY, JAMES, CA  
[22] 2021-05-14  
[41] 2022-11-13  
[30] US (17/319,517) 2021-05-13

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[21] 3,118,484  
[13] A1

[51] Int.Cl. B63B 19/02 (2006.01)  
[25] EN  
[54] BOAT WINDOW ASSEMBLY  
[54] ASSEMBLAGE DE FENETRE DE  
BATEAU  
[72] MILLER, BRAD, CA  
[72] ROBINSON, DEAN, CA  
[72] RASKA, MARTIN, CA  
[71] ADVANTEC GLOBAL  
INNOVATIONS INC., CA  
[22] 2021-05-14  
[41] 2022-11-14

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[21] 3,118,501  
[13] A1

[51] Int.Cl. A24C 5/00 (2020.01) A24C  
5/01 (2020.01) A24B 7/00 (2006.01)  
B02C 18/22 (2006.01)  
[25] EN  
[54] FULLY AUTOMATIC METHOD  
AND APPARATUS TO STORE,  
CRUSH AND ROLL CANNABIS  
INTO A ROD OR JOINT  
[54] METHODE COMPLETEMENT  
AUTOMATIQUE ET APPAREIL  
POUR STOCKER, BROYER ET  
ROULER LE CANNABIS EN UNE  
TIGE OU UN JOINT  
[72] DEIHIMI, SAMAN, CA  
[71] DEIHIMI, SAMAN, CA  
[71] DEIHIMI, SAMAN, CA  
[22] 2021-05-14  
[41] 2022-11-14

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[21] 3,118,517  
[13] A1

[51] Int.Cl. G06N 20/00 (2019.01)  
[25] EN  
[54] METHOD AND SYSTEM FOR  
SELECTING THE MORTGAGE OR  
LOAN PROVIDER WHICH CAN  
OFFER THE BEST ODDS OF  
APPROVAL TO A BORROWER  
AND TO IMPROVE THE ODDS OF  
THE BORROWER FINDING THE  
RIGHT LENDER  
[54] METHODE ET SYSTEME DE  
SELECTION DE FOURNISSEUR  
D'HYPOTHEQUE OU DE PRET  
QUI PEUT OFFRIR LES  
MEILLEURES CHANCES  
D'APPROBATION A UN  
EMPRUNTEUR ET  
D'AMELIORATION DES  
CHANCES DE L'EMPRUNTEUR  
DE TROUVER LE BON PRETEUR  
[72] BAIOCCHI, CLAUDIO, CA  
[72] BAIOCCHI, LUCA, CA  
[72] BAIOCCHI, LUCA, CA  
[71] BAIOCCHI, CLAUDIO, CA  
[71] BAIOCCHI, LUCA, CA  
[22] 2021-05-17  
[41] 2022-11-17

**Demandes canadiennes mises à la disponibilité du public**  
**13 novembre 2022 au 19 novembre 2022**

<p style="text-align: right;">[21] <b>3,118,740</b>  [13] A1</p> <p>[51] Int.Cl. F02C 7/06 (2006.01) F01D 25/16 (2006.01) F01D 25/18 (2006.01) F02C 7/28 (2006.01) F16N 1/00 (2006.01)</p> <p>[25] EN</p> <p>[54] SEALING ARRANGEMENT WITH VENT FOR AN ENGINE COMPONENT WITH A SERVICE PORT</p> <p>[54] CONFIGURATION D'ETANCHEITE AVEC UN EVENT POUR UN ELEMENT DE MOTEUR COMPORTANT UN PORT DE MAINTENANCE</p> <p>[72] BAKER-OSTIGUY, SIMON, CA  [72] GAUVIN, PIERRE, CA  [72] TURCOTTE, HERVE, CA  [71] PRATT &amp; WHITNEY CANADA CORP., CA  [22] 2021-05-14  [41] 2022-11-14</p>	<p style="text-align: right;">[21] <b>3,118,811</b>  [13] A1</p> <p>[51] Int.Cl. A23K 50/10 (2016.01) A23K 10/30 (2016.01) A23K 20/10 (2016.01)</p> <p>[25] EN</p> <p>[54] INCLUSION OF SEAWEED IN RUMINANT FEEDSTOCK FOR REDUCING METHANE PRODUCTION AND INCREASING CONSUMER PRODUCT QUALITY</p> <p>[54] INCLUSION D'ALGUES MARINES DANS LA NOURRITURE POUR RUMINANTS AFIN DE REDUIRE LA PRODUCTION DE METHANE ET ACCROITRE LA QUALITE DU PRODUIT DE CONSOMMATION</p> <p>[72] CLARK, JENNIFER, CA  [72] SERIN, SPENCER, CA  [71] CASCADIA SEAWEED CORP., CA  [22] 2021-05-17  [41] 2022-11-17</p>	<p style="text-align: right;">[21] <b>3,118,983</b>  [13] A1</p> <p>[51] Int.Cl. G06F 15/00 (2006.01) G06F 1/16 (2006.01)</p> <p>[25] EN</p> <p>[54] DATA CUBE</p> <p>[54] CUBE DE DONNEES</p> <p>[72] OSTERLOO, MATTHEW, CA  [71] OSTERLOO, MATTHEW, CA  [22] 2021-05-17  [41] 2022-11-17</p>
<p style="text-align: right;">[21] <b>3,118,802</b>  [13] A1</p> <p>[51] Int.Cl. E21B 43/24 (2006.01) E21B 43/241 (2006.01) E21B 43/30 (2006.01)</p> <p>[25] EN</p> <p>[54] PROCESS AND SET UP FOR A THERMAL-SOLVENT BASED RECOVERY OF VISCOUS OIL BY HUFF AND PUFF PROCESS USING SINGLE HORIZONTAL WELL WITH MULTIPLE FISH BONES.</p> <p>[54] PROCEDE ET CONFIGURATION DE RECUPERATION D'HUILE VISQUEUSE A BASE DE SOLVANT THERMIQUE, AU MOYEN D'UN PROCEDE DE STIMULATION CYCLIQUE DANS UN PUITS HORIZONTAL UNIQUE COMPRENANT DE MULTIPLES ARETES DE POISSON</p> <p>[72] HOFFMAN, MICHAEL, US  [71] HOFFMAN, MICHAEL, US  [22] 2021-05-17  [41] 2022-11-17</p>	<p style="text-align: right;">[21] <b>3,118,814</b>  [13] A1</p> <p>[51] Int.Cl. B65B 43/26 (2006.01) B65B 67/00 (2006.01)</p> <p>[25] EN</p> <p>[54] BAG OPENING DEVICE</p> <p>[54] DISPOSITIF D'OUVERTURE DE SAC</p> <p>[72] VUONG, BENNETT, CA  [71] 5012388 ONTARIO LTD, CA  [22] 2021-05-17  [41] 2022-11-17</p>	<p style="text-align: right;">[21] <b>3,119,011</b>  [13] A1</p> <p>[51] Int.Cl. B01D 53/26 (2006.01) B01D 5/00 (2006.01)</p> <p>[25] EN</p> <p>[54] METHOD TO DRY A HYDROCARBON GAS STREAM</p> <p>[54] METHODE DE SECHAGE D'UN FLUX DE GAZ D'HYDROCARBURES</p> <p>[72] LOURENCO, JOSE, CA  [72] MILLAR, MACKENZIE, CA  [71] 1304338 ALBERTA LTD., CA  [71] 1304342 ALBERTA LTD., CA  [22] 2021-05-18  [41] 2022-11-18</p>
<p style="text-align: right;">[21] <b>3,118,840</b>  [13] A1</p> <p>[51] Int.Cl. A47K 13/02 (2006.01) A47K 13/24 (2006.01)</p> <p>[25] EN</p> <p>[54] TWO-PIECE RAISED TOILET SEAT</p> <p>[54] SIEGE DE TOILETTE SURELEVE EN DEUX MORCEAUX</p> <p>[72] FULTON, PAMELA J., CA  [71] FULTON, PAMELA J., CA  [22] 2021-05-14  [41] 2022-11-14</p>	<p style="text-align: right;">[21] <b>3,119,021</b>  [13] A1</p> <p>[51] Int.Cl. A01K 61/90 (2017.01) A01K 61/59 (2017.01)</p> <p>[25] EN</p> <p>[54] MEASUREMENT TOOL</p> <p>[54] OUTIL DE MESURE</p> <p>[72] NOEL, PATRICE, CA  [71] NOEL, PATRICE, CA  [22] 2021-05-18  [41] 2022-11-18</p>	<p style="text-align: right;">[21] <b>3,119,106</b>  [13] A1</p> <p>[51] Int.Cl. A47G 9/10 (2006.01) A47G 9/02 (2006.01)</p> <p>[25] EN</p> <p>[54] DISPOSABLE HYGIENIC AND ANTI-ALLERGENIC PILLOW PROTECTOR</p> <p>[54] PROTEGE-OREILLER HYGIENIQUE ET ANTIALLERGENE JETABLE</p> <p>[72] CHEANG, KUAN HOI, CA  [71] CHEANG, KUAN HOI, CA  [22] 2021-05-18  [41] 2022-11-18</p>

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 [13] A1  
 [51] Int.Cl. B60R 25/022 (2013.01) E05B  
 77/00 (2014.01)  
 [25] EN  
**STEERING WHEEL LOCK  
 DEVICE**  
 [54] DISPOSITIF DE VERROUILLAGE  
 DE VOLANT DE DIRECTION  
 [72] MUANVONG, PAUL, CA  
 [71] MUANVONG, PAUL, CA  
 [22] 2021-05-18  
 [41] 2022-11-14  
 [30] US (17/321,291) 2021-05-14

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[21] **3,119,120**  
 [13] A1  
 [51] Int.Cl. F03G 3/00 (2006.01) H02J  
 50/00 (2016.01) F03G 5/00 (2006.01)  
 H02K 7/18 (2006.01)  
 [25] EN  
**GRAVITY BASED POWER  
 GENERATOR WITH SOURCE  
 ENERGY ACCUMULATION  
 PETITION FOR A SMALL  
 ENTITY, PROVISIONAL PATENT  
 DATE: MAY 17, 2021 NAME OF  
 INVENTOR: ELI GERSHMAN  
 EMAIL OFRA.G@HOTMAIL.COM  
 NAME OF APPLICANT:OFRA  
 GERSHMAN AND ELI  
 GERSHMAN TELEPHONE: 416-  
 561-2399 ADDRESS:15 MILES  
 COURT, RICHMOND HILL,  
 ONTARIO L4C 5P7 CANADA**  
 [54] GENERATRICE A BASE DE  
 GRAVITE AVEC  
 ACCUMULATION DE L'ENERGIE  
 SOURCE, PETITION POUR UNE  
 PETITE ENTITE, DATE DE  
 BREVET PROVISOIRE : 17 MAI  
 2021, NOM DE L'INVENTEUR, ELI  
 GERSHMAN, COURRIEL :  
 OFRA.GPHOTMAIL.COM, NOM  
 DU DEMANDEUR : OFRA  
 GERSHMAN ET ELI GERSHMAN,  
 TELEPHONE : 416-561-2399,  
 ADRESSE : 15, MILES COURT,  
 RICHMOND HILL, ONTARIO L4C  
 5P7 CANADA  
 [72] GERSHMAN, OFRA, CA  
 [72] GERSHMAN, ELI, CA  
 [71] GERSHMAN, OFRA, CA  
 [71] GERSHMAN, SHAWN, CA  
 [71] GERSHMAN, ELI, CA  
 [22] 2021-05-18  
 [41] 2022-11-18

[21] **3,119,132**  
 [13] A1  
 [51] Int.Cl. A23C 15/12 (2006.01) A23C  
 15/00 (2006.01) A23C 15/18 (2006.01)  
 [25] EN  
**SHREDDED BUTTER  
 BEURRE RAPE**  
 [54] BEURRE RAPE  
 [72] ALI-RIDHA, AMENA, CA  
 [71] ALI-RIDHA, AMENA, CA  
 [22] 2021-05-18  
 [41] 2022-11-18

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[21] **3,119,174**  
 [13] A1  
 [51] Int.Cl. E04F 15/00 (2006.01) A47C  
 31/00 (2006.01)  
 [25] EN  
**A FOLDABLE THREE LAYERS  
 CHAIR MAT**  
 [54] TAPIS DE CHAISE PLIABLE EN  
 TROIS COUCHES  
 [72] YU, CHUNLIAN, CN  
 [71] YU, CHUNLIAN, CN  
 [22] 2021-05-19  
 [41] 2022-11-19

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[21] **3,119,228**  
 [13] A1  
 [51] Int.Cl. B63B 17/02 (2006.01) B63B  
 29/02 (2006.01)  
 [25] EN  
**PORTABLE MARINE CAMPING  
 APPARATUS**  
 [54] APPAREIL DE CAMPING MARIN  
 PORTATIF  
 [72] SAND, DARRYL, CA  
 [72] NOBLE, ANDREW, CA  
 [71] SAND, DARRYL, CA  
 [71] NOBLE, ANDREW, CA  
 [22] 2021-05-20  
 [41] 2022-11-18  
 [30] US (17/323,687) 2021-05-18

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[21] **3,119,831**  
 [13] A1  
 [51] Int.Cl. F16C 43/02 (2006.01) F16B  
 4/00 (2006.01) F16C 33/04 (2006.01)  
 [25] EN  
**APPARATUS AND METHOD FOR  
 ASSEMBLING A SPLIT SLEEVE  
 ONTO A SHAFT**  
 [54] APPAREIL ET METHODE  
 D'ASSEMBLAGE DE FOURRURE  
 FENDUE SUR UN ARBRE  
 [72] DUPUIS, MICHAEL AUGUST, CA  
 [71] HYDRO TECH INC., CA  
 [22] 2021-05-27  
 [41] 2022-11-19  
 [30] US (17/324,325) 2021-05-19

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[21] **3,120,124**  
 [13] A1  
 [51] Int.Cl. F24F 7/02 (2006.01) E04D  
 13/17 (2006.01) F24F 13/20 (2006.01)  
 [25] EN  
**ROOF VENT COVER**  
 [54] COUVERCLE D'EXUTOIRE DE  
 TOITURE  
 [72] BEAUVAIS, PIERRE, CA  
 [71] BEAUVAIS, PIERRE, CA  
 [22] 2021-05-14  
 [41] 2022-11-13  
 [30] US (17/319,158) 2021-05-13

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[21] **3,120,131**  
 [13] A1  
 [51] Int.Cl. G06F 16/93 (2019.01) G06F  
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 G06F 16/901 (2019.01)  
 [25] EN  
**SYSTEM AND METHOD FOR  
 MANAGING DOCUMENT  
 METADATA**  
 [54] SYSTEME ET METHODE DE  
 GESTION DES METADONNEES  
 DE DOCUMENT  
 [72] KUKOLJ, GORAN, CA  
 [71] THE TORONTO-DOMINION BANK,  
 CA  
 [22] 2021-05-14  
 [41] 2022-11-14

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<p>[21] <b>3,120,132</b>  [13] A1</p> <p>[51] Int.Cl. C11D 1/83 (2006.01) C11D 1/08 (2006.01) C11D 1/66 (2006.01)  C11D 3/00 (2006.01) C11D 3/33 (2006.01) C11D 3/60 (2006.01) C11D 17/00 (2006.01)</p> <p>[25] EN</p> <p>[54] HIGH ALKALINE HIGH FOAM CLEANERS WITH CONTROLLED FOAM LIFE</p> <p>[54] AGENTS NETTOYANTS TRES MOUSSANTS TRES ALCALINS A DUREE DE VIE DE MOUSSE CONTROLEE</p> <p>[72] WEISSENBERGER, MARKUS, CA</p> <p>[72] ABDELFATAH, ELSAYED, CA</p> <p>[71] FLUID ENERGY GROUP LTD, CA</p> <p>[22] 2021-05-14</p> <p>[41] 2022-11-14</p>
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<p>[21] <b>3,123,319</b>  [13] A1</p> <p>[51] Int.Cl. H02G 1/08 (2006.01) H02G 3/04 (2006.01) H02G 9/06 (2006.01)  H02G 15/013 (2006.01)</p> <p>[25] EN</p> <p>[54] IMPROVED VOLUME DONATING COMPRESSIBLE FILLER SYSTEM AND METHOD</p> <p>[54] SYSTEME DE REMPLISSAGE COMPRESSIBLE A DON DE VOLUME AMELIORE ET METHODE</p> <p>[72] HAAGENSON, STEVEN, US</p> <p>[72] HUBER, JOHN, JR., US</p> <p>[71] HAAGENSON, STEVEN, US</p> <p>[71] HUBER, JOHN, JR., US</p> <p>[22] 2021-06-28</p> <p>[41] 2022-11-14</p> <p>[30] US (17/320,337) 2021-05-14</p>
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<p>[21] <b>3,124,696</b>  [13] A1</p> <p>[51] Int.Cl. B60S 9/02 (2006.01)</p> <p>[25] EN</p> <p>[54] SWIVEL Leveler WITH SPACER</p> <p>[54] NIVELEUR A EMERILLON AVEC ENTRETOISE</p> <p>[72] HANCOCK, ALASTAIR PETER, NZ</p> <p>[72] JONES, NICHOLAS PAUL DAVID, NZ</p> <p>[72] CATCHPOLE, GLENN DYLAN, NZ</p> <p>[72] BECK, ANDREW NATHAN, NZ</p> <p>[72] MORRIS, WAYNE BRENDON, NZ</p> <p>[71] ROBUST ACCLAIM LIMITED, NZ</p> <p>[22] 2021-07-14</p> <p>[41] 2022-11-13</p> <p>[30] US (17/319,693) 2021-05-13</p>
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<p>[21] <b>3,126,638</b>  [13] A1</p> <p>[51] Int.Cl. E21B 43/26 (2006.01) E21B 33/068 (2006.01) E21B 43/12 (2006.01)</p> <p>[25] EN</p> <p>[54] HYDRAULIC FRACTURING PLAN AND EXECUTION OF SAME</p> <p>[54] PLAN DE FRACTURATION HYDRAULIQUE ET EXECUTION</p> <p>[72] KUEHN, JORDAN, US</p> <p>[72] JOHNSON, AUSTIN, US</p> <p>[72] BEASON, RONNIE B., US</p> <p>[72] CANNON, NICHOLAS J., US</p> <p>[71] DOWNING WELLHEAD EQUIPMENT, LLC, US</p> <p>[22] 2021-08-03</p> <p>[41] 2022-11-17</p> <p>[30] US (63/189,663) 2021-05-17</p> <p>[30] US (17/388,716) 2021-07-29</p>
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<p>[21] <b>3,130,068</b>  [13] A1</p> <p>[51] Int.Cl. A61B 17/12 (2006.01) A61B 17/00 (2006.01) A61B 17/132 (2006.01)  A61B 17/94 (2006.01) A61B 34/20 (2016.01) A61B 8/00 (2006.01)</p> <p>[25] EN</p> <p>[54] COMPLETELY LAPAROSCOPIC STAGED HEPATECTOMY USING ROUND-THE-LIVER LIGATION AND ITS INSTRUMENT</p> <p>[54] HEPATECTOMIE COMPLÈTEMENT LAPAROSCOPIQUE PAR ETAPES AU MOYEN D'UNE LIGATURE AUTOEUR DU FOIE, ET INSTRUMENT CONNEXE</p> <p>[72] CAI, XIJUN, CN</p> <p>[72] PENG, SHUYOU, CN</p> <p>[72] WANG, YIFAN, CN</p> <p>[72] LU, CHEN, CN</p> <p>[72] CHEN, MINGYU, CN</p> <p>[71] ZHEJIANG UNIVERSITY, CN</p> <p>[22] 2021-09-07</p> <p>[41] 2022-11-14</p> <p>[30] CN (202110529657.7) 2021-05-14</p>
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<p style="text-align: right;">[21] <b>3,130,966</b>  [13] A1</p> <p>[51] Int.Cl. F21V 15/01 (2006.01) E04B 1/84 (2006.01) E04B 9/04 (2006.01) F21V 21/04 (2006.01) F21V 33/00 (2006.01)</p> <p>[25] EN</p> <p>[54] ACOUSTIC LUMINAIRE STRUCTURE</p> <p>[54] STRUCTURE D'APPAREIL D'ECLAIRAGE ACOUSTIQUE</p> <p>[72] YAPHE, HOWARD, CA</p> <p>[72] MILES, ANDREW, CA</p> <p>[72] ZARBONI, NICOLAS, CA</p> <p>[72] ABBOUD, JENNIFER, CA</p> <p>[72] MEDWID, HANNA, CA</p> <p>[71] AXIS LIGHTING INC., CA</p> <p>[22] 2021-09-16</p> <p>[41] 2022-11-14</p> <p>[30] US (17/321,304) 2021-05-14</p>	<p style="text-align: right;">[21] <b>3,142,773</b>  [13] A1</p> <p>[51] Int.Cl. F23G 7/06 (2006.01) F23G 5/46 (2006.01) F27D 7/00 (2006.01) F27D 13/00 (2006.01) F28D 17/02 (2006.01)</p> <p>[25] EN</p> <p>[54] THREE CHAMBER REGENERATIVE THERMAL OXIDIZER</p> <p>[54] OXYDEUR THERMIQUE REGENERATEUR A TROIS CHAMBRES</p> <p>[72] NESTER, JIM, US</p> <p>[72] REIMLINGER, RICK, US</p> <p>[71] NESTEC, INC., US</p> <p>[22] 2021-12-17</p> <p>[41] 2022-11-13</p> <p>[30] US (17/320211) 2021-05-13</p> <p>[30] US (17/334791) 2021-05-30</p>	<p style="text-align: right;">[21] <b>3,151,880</b>  [13] A1</p> <p>[51] Int.Cl. G01N 21/88 (2006.01) G01J 5/48 (2006.01) G01J 5/02 (2022.01)</p> <p>[25] EN</p> <p>[54] INFRARED INSPECTION SYSTEM FOR HEATERS COMPRISED OF POSITIVE TEMPERATURE COEFFICIENT RESISTORS</p> <p>[54] SYSTEME D'INSPECTION PAR INFRAROUGE POUR LES RADIATEURS COMPRENANT DES RESISTANCES A COEFFICIENT DE TEMPERATURE POSITIF</p> <p>[72] HANSON, DANIEL, US</p> <p>[72] SCHWARTZ, RICHARD ALAN, US</p> <p>[71] ROSEMOUNT AEROSPACE INC., US</p> <p>[22] 2022-03-10</p> <p>[41] 2022-11-17</p> <p>[30] US (17/302,959) 2021-05-17</p>
<p style="text-align: right;">[21] <b>3,138,495</b>  [13] A1</p> <p>[51] Int.Cl. A24F 40/10 (2020.01) A24F 40/40 (2020.01)</p> <p>[25] EN</p> <p>[54] ATOMIZER AND ELECTRONIC CIGARETTE COMPRISING THE SAME</p> <p>[54] PULVERISATEUR ET CIGARETTE ELECTRONIQUE LE COMPRENANT</p> <p>[72] LIU, TUANFANG, CN</p> <p>[71] SHENZHEN EIGATE TECHNOLOGY CO., LTD., CN</p> <p>[22] 2021-11-10</p> <p>[41] 2022-11-16</p> <p>[30] CN (202110531210.3) 2021-05-16</p> <p>[30] CN (202121045588.4) 2021-05-16</p>	<p style="text-align: right;">[21] <b>3,147,926</b>  [13] A1</p> <p>[51] Int.Cl. G01F 23/22 (2006.01) B64D 37/32 (2006.01)</p> <p>[25] EN</p> <p>[54] RESISTIVE WIRE WIRING SHIELD TO PREVENT ELECTROMAGNETIC INTERFERENCE</p> <p>[54] PROTEGE-FIL RESISTIF POUR EMPECHER UNE INTERFERENCE ELECTROMAGNETIQUE</p> <p>[72] DOUGLASS, ANDREW F., US</p> <p>[72] ROBB, ANDREW M., US</p> <p>[71] THE BOEING COMPANY, US</p> <p>[22] 2022-02-04</p> <p>[41] 2022-11-19</p> <p>[30] US (63/190,722) 2021-05-19</p>	<p style="text-align: right;">[21] <b>3,152,090</b>  [13] A1</p> <p>[51] Int.Cl. A01D 41/12 (2006.01) A01D 47/00 (2006.01) A01D 57/02 (2006.01)</p> <p>[25] EN</p> <p>[54] AGRICULTURAL HEADER REEL POSITION CONTROL BASED ON HEADER WING POSITION</p> <p>[54] COMMANDE DE POSITION DE RABATTEUR DE TABLIER AGRICOLE EN FONCTION DE LA POSITION D'AILETTE DU TABLIER</p> <p>[72] YANKE, BRYAN R., US</p> <p>[72] BOMLENY, DUANE M., US</p> <p>[71] DEERE &amp; COMPANY, US</p> <p>[22] 2022-03-11</p> <p>[41] 2022-11-19</p> <p>[30] US (17/324,571) 2021-05-19</p>
<p style="text-align: right;">[21] <b>3,142,383</b>  [13] A1</p> <p>[51] Int.Cl. A24F 40/40 (2020.01)</p> <p>[25] EN</p> <p>[54] ISOLATION MEMBER AND ATOMIZER</p> <p>[54] ELEMENT D'ISOLATION ET PULVERISATEUR</p> <p>[72] LIU, TUANFANG, CN</p> <p>[71] SHENZHEN EIGATE TECHNOLOGY CO., LTD., CN</p> <p>[22] 2021-12-15</p> <p>[41] 2022-11-16</p> <p>[30] CN (202121045587.X) 2021-05-16</p>	<p style="text-align: right;">[21] <b>3,149,129</b>  [13] A1</p> <p>[51] Int.Cl. F16C 11/06 (2006.01) B64C 27/58 (2006.01)</p> <p>[25] EN</p> <p>[54] BEARING ASSEMBLY</p> <p>[54] ENSEMBLE PALIER</p> <p>[72] MOLINELLI, DARIO, IT</p> <p>[72] MAINO, FRANCO, IT</p> <p>[72] RESTUCCIA, MICHELE, IT</p> <p>[71] MICROTECNICA S.R.L., IT</p> <p>[22] 2022-02-16</p> <p>[41] 2022-11-18</p> <p>[30] EP (21174541.9) 2021-05-18</p>	<p style="text-align: right;">[21] <b>3,153,726</b>  [13] A1</p> <p>[51] Int.Cl. F02C 6/08 (2006.01) F02C 6/04 (2006.01) F02C 9/18 (2006.01)</p> <p>[25] EN</p> <p>[54] FLUID SYSTEM FOR GAS TRUBINE ENGINE</p> <p>[54] CIRCUIT DE FLUIDE POUR UNE TURBINE A GAZ</p> <p>[72] MIRMOHAMMADI GHOOJDI, TAHEREH, CA</p> <p>[71] PRATT &amp; WHITNEY CANADA CORP., CA</p> <p>[22] 2022-03-23</p> <p>[41] 2022-11-13</p> <p>[30] US (17/319,240) 2021-05-13</p>

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**[21] 3,153,734**

[13] A1

- [51] Int.Cl. B29C 64/386 (2017.01) G06F 30/10 (2020.01) G01B 21/30 (2006.01)
- [25] EN
- [54] METHOD FOR COMPUTER ANALYSIS OF AS-PROGRAMMED SURFACE QUALITY OF COMPOSITE STRUCTURE
- [54] METHODE D'ANALYSE INFORMATIQUE D'UNE QUALITE DE SURFACE TELLE QUE PROGRAMMEE D'UNE STRUCTURE COMPOSITE
- [72] STAUFFER, MATTHEW S., US
- [72] SEAWRIGHT, KAYLEY E., US
- [72] STROPE, RUSSELL A., US
- [72] LINDGREN, MICHAEL S., US
- [72] GONSOR, DANIEL E., US
- [72] MANI, ASHUTOSH, US
- [71] THE BOEING COMPANY, US
- [22] 2022-03-23
- [41] 2022-11-17
- [30] US (63/189241) 2021-05-17

**[21] 3,155,163**

[13] A1

- [51] Int.Cl. G06Q 50/04 (2012.01) G05B 17/02 (2006.01) G05B 19/02 (2006.01) G05B 19/4097 (2006.01)
- [25] EN
- [54] DEVELOPMENT OF A PRODUCT USING A PROCESS CONTROL PLAN DIGITAL TWIN
- [54] CREATION D'UN PRODUIT AU MOYEN D'UN JUMEAU NUMERIQUE DE PLAN DE CONTROLE DE PROCEDE
- [72] WANG, GUIJUN, US
- [72] DVORAK, JOSEPH R., US
- [72] YUE, LU, US
- [72] MILLER, JEFF, US
- [72] LI, EDWARD, US
- [72] DUMITRACHE, RALUCA M., US
- [72] MATSUOKA, CHRISTOPHER, US
- [72] SUKUMARAN, PRIYA, US
- [72] CHRISTIAN, MICHAEL J., US
- [72] MANDAL, TRIPTI, US
- [71] THE BOEING COMPANY, US
- [22] 2022-04-05
- [41] 2022-11-14
- [30] IN (202111021830) 2021-05-14

**[21] 3,155,613**

[13] A1

- [51] Int.Cl. G06Q 20/34 (2012.01) G06Q 20/38 (2012.01)
- [25] EN
- [54] SYSTEMS AND METHODS FOR TIERED VIRTUAL CARD NUMBER PROCESSING
- [54] SYSTEMES ET METHODES POUR LE TRAITEMENT DE NUMEROS DE CARTES VIRTUELLES PAR PALIER
- [72] BAJWA, MINAHIL, US
- [72] SCOTT, ESTHER, US
- [72] SHIN, BRANDEE, US
- [71] CAPITAL ONE SERVICES, LLC, US
- [22] 2022-04-19
- [41] 2022-11-14
- [30] US (17/320,789) 2021-05-14

**[21] 3,155,755**

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- [51] Int.Cl. A01B 69/00 (2006.01) A01B 73/02 (2006.01)
- [25] EN
- [54] WINGED AGRICULTURAL IMPLEMENT WITH STEERABLE TRANSPORT WHEELS
- [54] APPAREIL AGRICOLE A AILETTES COMPRENANT DES ROUES DE TRANSPORT ORIENTABLES
- [72] FRIESEN, MICHAEL I. J., CA
- [72] BOILEAU, RHEAL M., CA
- [71] ELMER'S WELDING & MANUFACTURING LTD., CA
- [22] 2022-04-20
- [41] 2022-11-17
- [30] US (63/189,473) 2021-05-17

**[21] 3,156,069**

[13] A1

- [51] Int.Cl. B29C 64/124 (2017.01) B33Y 10/00 (2015.01) B33Y 40/00 (2020.01)
- [25] EN
- [54] METHOD OF PRODUCING PATTERNS, MOLDS, AND RELATED PRODUCTS
- [54] METHODE DE PRODUCTION DE GABARITS, DE MOULES ET DE PRODUITS CONNEXES
- [72] SUSNJARA, KENNETH J., US
- [71] THERMWOOD CORPORATION, US
- [22] 2022-04-21
- [41] 2022-11-17
- [30] US (17/322,477) 2021-05-17

**[21] 3,156,373**

[13] A1

- [51] Int.Cl. F02B 63/00 (2006.01) B23K 9/32 (2006.01) B23K 37/00 (2006.01) F02B 63/02 (2006.01) F02D 23/00 (2006.01) F02D 29/00 (2006.01)
- [25] EN
- [54] METHODS AND SYSTEMS FOR A TURBO GAS ENGINE DRIVEN WELDER
- [54] METHODES ET SYSTEMES DE SOUDAGE ENTRAINE PAR MOTEUR A GAZ TURBO
- [72] IHDE, JEFFERY R., US
- [71] ILLINOIS TOOL WORKS INC., US
- [22] 2022-04-25
- [41] 2022-11-19
- [30] US (17/324,665) 2021-05-19

**[21] 3,156,727**

[13] A1

- [51] Int.Cl. G01R 31/00 (2006.01) B64F 5/60 (2017.01) B64D 15/12 (2006.01) G01D 18/00 (2006.01)
- [25] EN
- [54] POSITIVE TEMPERATURE COEFFICIENT RESISTOR HEATER ASSEMBLY HEALTH MONITORING
- [54] SURVEILLANCE D'ETAT D'UN ASSEMBLAGE DE RADIAUTEUR COMPORANT DES RESISTANCES A COEFFICIENT DE TEMPERATURE POSITIF
- [72] VALDES CHAVEZ, ARMANDO, US
- [72] SCHWARTZ, RICHARD ALAN, US
- [72] JENKINS, ALEXANDRA C., US
- [71] ROSEMOUNT AEROSPACE INC., US
- [22] 2022-04-20
- [41] 2022-11-17
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<p style="text-align: right; margin-top: -10px;"><b>[21] 3,156,929</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. E03C 1/05 (2006.01) E03C 1/04 (2006.01) F16K 31/02 (2006.01)</p> <p>[25] EN</p> <p>[54] ELECTRICAL CONNECTION FOR ELECTRONIC FAUCET ASSEMBLY</p> <p>[54] CONNEXION ELECTRIQUE POUR UN ASSEMBLAGE DE ROBINET ELECTRONIQUE</p> <p>[72] ALLEN, BENJAMIN MICHAEL, US</p> <p>[72] SAWASKI, JOEL, US</p> <p>[72] BENNETT, JAY CARTER, US</p> <p>[71] DELTA FAUCET COMPANY, US</p> <p>[22] 2022-04-29</p> <p>[41] 2022-11-18</p> <p>[30] US (17/323,309) 2021-05-18</p>	<p style="text-align: right; margin-top: -10px;"><b>[21] 3,157,284</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. H01L 23/44 (2006.01) H01L 23/46 (2006.01)</p> <p>[25] EN</p> <p>[54] METHODS AND SYSTEMS FOR FLUID IMMERSION COOLING</p> <p>[54] METHODES ET SYSTEMES POUR LE REFROIDISSEMENT PAR IMMERSION DANS UN FLUIDE</p> <p>[72] CLERC, LAURENT, US</p> <p>[72] BLANC, JEAN-YVES, FR</p> <p>[72] LELOGEAIS, EMILIE, FR</p> <p>[71] CGG SERVICES SAS, FR</p> <p>[22] 2022-05-03</p> <p>[41] 2022-11-17</p> <p>[30] US (63/189,392) 2021-05-17</p> <p>[30] US (63/315,210) 2022-03-01</p>	<p style="text-align: right; margin-top: -10px;"><b>[21] 3,158,021</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. H01B 3/44 (2006.01) H01B 11/02 (2006.01)</p> <p>[25] EN</p> <p>[54] TWISTED-PAIR CABLE USING XLPE INSULATION</p> <p>[54] CABLE A PAIRES TORSADEES UTILISANT UNE ISOLATION DE POLYETHYLENE RETICULE (XLPE)</p> <p>[72] GOOD, PAUL MICHAEL, US</p> <p>[71] BERK-TEK LLC, US</p> <p>[22] 2022-05-06</p> <p>[41] 2022-11-19</p> <p>[30] US (17/324,650) 2021-05-19</p>
<p style="text-align: right; margin-top: -10px;"><b>[21] 3,157,240</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. G01N 23/041 (2018.01) G01V 5/00 (2006.01)</p> <p>[25] EN</p> <p>[54] SERIAL MOIRE SCANNING PHASE CONTRAST X-RAY IMAGING</p> <p>[54] IMAGERIE PAR RAYON X DE CONTRASTE A NUMERISATION DE MOIRE EN SERIE</p> <p>[72] MILLER, ERIN A., US</p> <p>[72] JACOB, RICHARD E., US</p> <p>[72] DESHMUKH, NIKHIL S., US</p> <p>[72] WARNER, CYNTHIA L., US</p> <p>[72] WITTMAN, RICHARD S., US</p> <p>[72] CAMPBELL, LUKE W., US</p> <p>[72] KASparek, DUSTIN, US</p> <p>[72] GILBERT, ANDY, US</p> <p>[72] OWSLEY, STANLEY L., JR, US</p> <p>[72] SILVERS, KURT L., US</p> <p>[72] ZALAVADIA, MITAL A., US</p> <p>[71] BATTELLE MEMORIAL INSTITUTE, US</p> <p>[22] 2022-05-03</p> <p>[41] 2022-11-17</p> <p>[30] US (17/322,635) 2021-05-17</p>	<p style="text-align: right; margin-top: -10px;"><b>[21] 3,157,650</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. F23D 11/38 (2006.01) F02C 7/22 (2006.01)</p> <p>[25] EN</p> <p>[54] TAPERED FUEL GALLERY FOR A FUEL NOZZLE</p> <p>[54] GALERIE D'ALIMENTATION CONIQUE POUR UN INJECTEUR A CARBURANT</p> <p>[72] SWABY, NADIA, CA</p> <p>[72] FRANCIS, ROGER N.A., CA</p> <p>[72] SREEKANTH, SRI, CA</p> <p>[71] PRATT &amp; WHITNEY CANADA CORP., CA</p> <p>[22] 2022-04-28</p> <p>[41] 2022-11-14</p> <p>[30] US (17/320,975) 2021-05-14</p>	<p style="text-align: right; margin-top: -10px;"><b>[21] 3,158,030</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B60W 60/00 (2020.01) A01B 69/00 (2006.01) B60W 30/10 (2006.01) B60W 40/02 (2006.01) G01C 25/00 (2006.01)</p> <p>[25] EN</p> <p>[54] METHOD AND SYSTEM FOR DRIVING VIEW-BASED AGRICULTURAL MACHINERY AND DEVICE FOR AGRICULTURAL MACHINERY APPLYING</p> <p>[54] METHODE ET SYSTEME POUR CONDUIRE DES MACHINES AGRICOLES A BASE DE VISION ET DISPOSITIF POUR LES APPLIQUER</p> <p>[72] WU, DI, CN</p> <p>[72] YAO, YUAN, CN</p> <p>[72] ZHAO, WENQUAN, CN</p> <p>[72] WANG, BO, CN</p> <p>[72] LI, HONGXIN, CN</p> <p>[71] FJ DYNAMICS TECHNOLOGY CO., LTD, CN</p> <p>[22] 2022-05-09</p> <p>[41] 2022-11-14</p> <p>[30] CN (202110529974.9) 2021-05-14</p>
<p style="text-align: right; margin-top: -10px;"><b>[21] 3,158,006</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. F16D 3/04 (2006.01) F02C 7/36 (2006.01) F16D 3/60 (2006.01)</p> <p>[25] EN</p> <p>[54] TORQUE TRANSFER COUPLING</p> <p>[54] RACCORD DE TRANSFERT DE COUPLE</p> <p>[72] SHIELDS, MARK, CA</p> <p>[72] MENHEERE, DAVID, CA</p> <p>[72] KIM, DENNIS, CA</p> <p>[71] PRATT &amp; WHITNEY CANADA CORP., CA</p> <p>[22] 2022-05-02</p> <p>[41] 2022-11-14</p> <p>[30] US (17/320,306) 2021-05-14</p>		

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**13 novembre 2022 au 19 novembre 2022**

<p style="text-align: right;">[21] <b>3,158,035</b>  [13] A1</p> <p>[51] Int.Cl. B29C 45/38 (2006.01) B29C 45/17 (2006.01)  [25] EN  [54] GATE ASSEMBLY WTIH RESIN STRING CUTTER  [54] ASSEMBLAGE DE PORTE ET COUPE-FICELLE DE RESINE  [72] DIACONU, VALENTIN, NICOLAE, CA  [71] HUSKY INJECTION MOLDING SYSTEMS, LTD., CA  [22] 2022-05-02  [41] 2022-11-15</p>	<p style="text-align: right;">[21] <b>3,158,068</b>  [13] A1</p> <p>[51] Int.Cl. C09C 3/10 (2006.01) B29C 64/153 (2017.01) B33Y 70/10 (2020.01) C08K 3/04 (2006.01) C08L 51/10 (2006.01) C08L 75/04 (2006.01) C08L 77/00 (2006.01) C09C 1/44 (2006.01)  [25] EN  [54] SPHERICAL PARTICLES COMPRISING CARBON NANOMATERIAL-GRAFT-POLYMER AND METHODS OF PRODUCTION AND USES THEREOF  [54] PARTICULES SPHERIQUES COMPRENANT UN POLYMER GREFFE A UN NANOMATERIAU DE CARBONE ET METHODES DE PRODUCTION ET UTILISATIONS CONNEXES  [72] FARRUGIA, VALERIE M., CA  [72] SRISKANDHA, SHIVANTHI EASWARI, CA  [72] CLARIDGE, ROBERT, CA  [71] XEROX CORPORATION, US  [22] 2022-05-09  [41] 2022-11-17  [30] US (17/321997) 2021-05-17</p>	<p style="text-align: right;">[21] <b>3,158,076</b>  [13] A1</p> <p>[51] Int.Cl. B29C 64/153 (2017.01) B33Y 70/10 (2020.01) C08K 3/04 (2006.01) C08L 75/04 (2006.01) C09C 1/44 (2006.01) C09C 3/10 (2006.01)  [25] EN  [54] SPHERICAL PARTICLES COMPRISING CARBON NANOMATERIAL-GRAFT-POLYURETHANE AND METHODS OF PRODUCTION AND USE THEREOF  [54] PARTICULES SPHERIQUES COMPRENANT UN POLYURETHANE GREFFE A UN NANOMATERIAU DE CARBONE ET METHODES DE PRODUCTION ET UTILISATIONS CONNEXES  [72] CLARIDGE, ROBERT, CA  [72] FARRUGIA, VALERIE M., CA  [72] SRISKANDHA, SHIVANTHI EASWARI, CA  [71] XEROX CORPORATION, US  [22] 2022-05-09  [41] 2022-11-17  [30] US (17/321877) 2021-05-17</p>
<p style="text-align: right;">[21] <b>3,158,065</b>  [13] A1</p> <p>[51] Int.Cl. B29C 64/153 (2017.01) B33Y 70/10 (2020.01) C08F 292/00 (2006.01) C08K 3/04 (2006.01) C08L 51/10 (2006.01) C09C 1/44 (2006.01) C09C 3/10 (2006.01)  [25] EN  [54] SPHERICAL PARTICLES COMPRISING CARBON NANOMATERIAL-GRAFT-POLYOLEFIN AND METHODS OF PRODUCTION AND USES THEREOF  [54] PARTICULES SPHERIQUES COMPRENANT UNE POLYOLEFINE GREFFEE A UN NANOMATERIAU DE CARBONE ET METHODES DE PRODUCTION ET UTILISATIONS CONNEXES  [72] SRISKANDHA, SHIVANTHI EASWARI, CA  [72] FARRUGIA, VALERIE M., CA  [71] XEROX CORPORATION, US  [22] 2022-05-09  [41] 2022-11-17  [30] US (17/321759) 2021-05-17</p>	<p style="text-align: right;">[21] <b>3,158,073</b>  [13] A1</p> <p>[51] Int.Cl. B29C 64/153 (2017.01) B33Y 70/10 (2020.01) C08K 3/04 (2006.01) C08L 77/00 (2006.01) C09C 1/44 (2006.01) C09C 3/10 (2006.01)  [25] EN  [54] SPHERICAL PARTICLES COMPRISING CARBON NANOMATERIAL-GRAFT-POLYAMIDE AND METHODS OF PRODUCTION AND USES THEREOF  [54] PARTICULES SPHERIQUES COMPRENANT UN POLYAMIDE GREFFE A UN NANOMATERIAU DE CARBONE ET METHODES DE PRODUCTION ET UTILISATIONS CONNEXES  [72] FARRUGIA, VALERIE M., CA  [72] SRISKANDHA, SHIVANTHI EASWARI, CA  [71] XEROX CORPORATION, US  [22] 2022-05-09  [41] 2022-11-17  [30] US (17/321823) 2021-05-17</p>	<p style="text-align: right;">[21] <b>3,158,441</b>  [13] A1</p> <p>[51] Int.Cl. G01R 31/34 (2020.01)  [25] EN  [54] SYSTEMS AND METHODS FOR PROVIDING VOLTAGE-LESS ELECTRICAL SIGNATURE ANALYSIS FOR FAULT PROTECTION  [54] SYSTEMES ET METHODES POUR FOURNIR UNE ANALYSE DE SIGNATURE ELECTRIQUE SANS TENSION POUR UNE PROTECTION CONTRE LES DEFAILLANCES  [72] PAMULAPARTHY, BALAKRISHNA, IN  [72] KANABAR, MITALKUMAR, CA  [72] ARTHANARI, AKILEZKRISHNAMURTHY, CA  [71] GENERAL ELECTRIC TECHNOLOGY GMBH, CH  [22] 2022-05-05  [41] 2022-11-13  [30] IN (202141021634) 2021-05-13  [30] US (17/359437) 2021-06-25</p>

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<p style="text-align: right;">[21] <b>3,158,634</b> [13] A1</p> <p>[51] Int.Cl. F02K 1/46 (2006.01) F01D 9/02 (2006.01) F01D 25/24 (2006.01) F01D 25/28 (2006.01) F01D 25/30 (2006.01) F02K 1/48 (2006.01)</p> <p>[25] EN</p> <p>[54] TURBINE EXHAUST CASE MIXER</p> <p>[54] MELANGEUR DE BUSE D'ECHAPPEMENT DE TURBINE</p> <p>[72] KASSAB, RABIH KAMAL, CA</p> <p>[71] PRATT &amp; WHITNEY CANADA CORP., CA</p> <p>[22] 2022-05-05</p> <p>[41] 2022-11-14</p> <p>[30] US (17/320,389) 2021-05-14</p>	<p style="text-align: right;">[21] <b>3,158,693</b> [13] A1</p> <p>[51] Int.Cl. G02B 6/26 (2006.01) G02B 6/42 (2006.01)</p> <p>[25] EN</p> <p>[54] WAVEGUIDE COUPLER</p> <p>[54] COUPLEUR EN GUIDE D'ONDES</p> <p>[72] HICKEY, RYAN MURRAY, CA</p> <p>[71] RANOVUS INC., CA</p> <p>[22] 2022-05-05</p> <p>[41] 2022-11-14</p> <p>[30] US (63/188,861) 2021-05-14</p>	<p style="text-align: right;">[21] <b>3,158,814</b> [13] A1</p> <p>[51] Int.Cl. A45F 3/04 (2006.01) A45B 3/00 (2006.01) A45F 5/00 (2006.01) F16M 13/04 (2006.01)</p> <p>[25] EN</p> <p>[54] BACKPACK WITH INTEGRATED DEVICE HOLDER</p> <p>[54] SAC A DOS COMPRENANT UN SUPPORT A DISPOSITIF INTEGRE</p> <p>[72] LOURIE, JANETTE, CA</p> <p>[71] LOURIE, JANETTE, CA</p> <p>[22] 2022-05-13</p> <p>[41] 2022-11-14</p> <p>[30] US (63/189,002) 2021-05-14</p>
<p style="text-align: right;">[21] <b>3,158,652</b> [13] A1</p> <p>[51] Int.Cl. B60N 2/38 (2006.01) A01D 34/00 (2006.01) A01D 75/00 (2006.01)</p> <p>[25] EN</p> <p>[54] REMOVABLE SEAT FOR POWER TOOL</p> <p>[54] SIEGE AMOVIBLE POUR OUTIL ELECTRIQUE</p> <p>[72] DINGMAN, TRENT J., US</p> <p>[72] FENG, MICHAEL, US</p> <p>[71] TECHTRONIC CORDLESS GP, US</p> <p>[22] 2022-05-09</p> <p>[41] 2022-11-14</p> <p>[30] US (63/188,713) 2021-05-14</p>	<p style="text-align: right;">[21] <b>3,158,800</b> [13] A1</p> <p>[51] Int.Cl. B60S 9/10 (2006.01) B60S 9/02 (2006.01) B60S 13/00 (2006.01)</p> <p>[25] EN</p> <p>[54] PORTABLE TRAILER STABILIZERS</p> <p>[54] STABILISATEURS DE REMORQUE PORTATIFS</p> <p>[72] KIMENER, THOMAS T., US</p> <p>[71] STABILOCK, LLC, US</p> <p>[22] 2022-05-13</p> <p>[41] 2022-11-14</p> <p>[30] US (63/188,482) 2021-05-14</p> <p>[30] US (63/303,393) 2022-01-26</p>	<p style="text-align: right;">[21] <b>3,158,816</b> [13] A1</p> <p>[51] Int.Cl. A01G 9/28 (2018.01) A01G 3/06 (2006.01)</p> <p>[25] EN</p> <p>[54] PLANT EDGING</p> <p>[54] BORDURE DE PLANTE</p> <p>[72] JACKSON, ROLAND, CA</p> <p>[71] JACKSON, ROLAND, CA</p> <p>[22] 2022-05-13</p> <p>[41] 2022-11-14</p> <p>[30] US (17/743,170) 2022-05-12</p> <p>[30] US (63/189,006) 2021-05-14</p>
<p style="text-align: right;">[21] <b>3,158,657</b> [13] A1</p> <p>[51] Int.Cl. C11D 3/33 (2006.01) C11D 1/83 (2006.01) C11D 3/04 (2006.01)</p> <p>[25] EN</p> <p>[54] HIGH ALKALINE HIGH FOAM CLEANERS WITH CONTROLLED FOAM LIFE</p> <p>[54] AGENTS NETTOYANTS TRES MOUSSANTS TRES ALCALINS A DUREE DE VIE DE MOUSSE CONTROLEE</p> <p>[72] WEISSENBERGER, MARKUS, CA</p> <p>[72] ABDELFATAH, ELSAYED, CA</p> <p>[71] FLUID ENERGY GROUP LTD, CA</p> <p>[22] 2022-05-11</p> <p>[41] 2022-11-13</p> <p>[30] CA (3,120,132) 2021-05-13</p>	<p style="text-align: right;">[21] <b>3,158,809</b> [13] A1</p> <p>[51] Int.Cl. E21B 41/00 (2006.01) E21B 43/26 (2006.01) F02B 63/06 (2006.01) F04B 23/04 (2006.01)</p> <p>[25] EN</p> <p>[54] DUAL PUMP INTEGRATED FRACKING SYSTEM</p> <p>[54] SYSTEME DE FRACTURATION INTEGRE A DOUBLE POMPE</p> <p>[72] SHARP, BRIAN, US</p> <p>[72] JOOST, CHAD, US</p> <p>[72] HARVELL, CHRIS, US</p> <p>[72] SMITH, PAUL, US</p> <p>[72] GARCIA, FILIBERTO, US</p> <p>[72] LAMBERTUS, ADAM, US</p> <p>[72] SMITH, JEFF, US</p> <p>[71] STEWART &amp; STEVENSON LLC, US</p> <p>[22] 2022-05-10</p> <p>[41] 2022-11-14</p> <p>[30] US (63/188818) 2021-05-14</p> <p>[30] US (17/334508) 2021-05-28</p>	<p style="text-align: right;">[21] <b>3,158,821</b> [13] A1</p> <p>[51] Int.Cl. E21B 33/03 (2006.01) E21B 34/02 (2006.01)</p> <p>[25] EN</p> <p>[54] INTELLIGENTLY CONTROLLED FLUID SYSTEMS</p> <p>[54] CIRCUITS DE FLUIDE CONTROLES INTELLIGEMMENT</p> <p>[72] BEASON, RONNIE B., US</p> <p>[72] CANNON, NICHOLAS J., US</p> <p>[71] DOWNING WELLHEAD EQUIPMENT, LLC, US</p> <p>[22] 2022-05-12</p> <p>[41] 2022-11-13</p> <p>[30] US (17319854) 2021-05-13</p>

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<p style="text-align: right;">[21] <b>3,158,827</b> [13] A1</p> <p>[51] Int.Cl. F23G 7/00 (2006.01) F23B 30/06 (2006.01) F23G 5/02 (2006.01) F23G 5/46 (2006.01) F01K 21/00 (2006.01)</p> <p>[25] EN</p> <p>[54] <b>BALE BOILER APPARATUS AND METHOD</b></p> <p>[54] <b>APPAREIL ET METHODE DE CHAUDIERE A BALLE</b></p> <p>[72] GAUDREAU, DANIEL, US</p> <p>[71] GAUDREAU, DANIEL, US</p> <p>[22] 2022-05-12</p> <p>[41] 2022-11-19</p> <p>[30] US (17/303,068) 2021-05-19</p>	<p style="text-align: right;">[21] <b>3,158,846</b> [13] A1</p> <p>[51] Int.Cl. G06F 3/041 (2006.01) H03K 17/96 (2006.01)</p> <p>[25] EN</p> <p>[54] <b>TOUCH SENSOR CONTROLLER AND METHODS FOR INDICATING INTERFERENCE LEVELS</b></p> <p>[54] <b>CONTROLEUR DE CAPTEUR TACTILE ET METHODES POUR INDIQUER DES NIVEAUX D'INTERFERENCE</b></p> <p>[72] MCCULLOCH, ROBERT DONALD, CA</p> <p>[72] DAVID, ALBERT M., CA</p> <p>[72] DUXBURY, GUY MICHAEL AMYON FARQUHARSON, CA</p> <p>[71] 1004335 ONTARIO INC., CA</p> <p>[22] 2022-05-12</p> <p>[41] 2022-11-14</p> <p>[30] US (63/188,676) 2021-05-14</p>	<p style="text-align: right;">[21] <b>3,158,876</b> [13] A1</p> <p>[51] Int.Cl. A47L 11/38 (2006.01) A47L 11/03 (2006.01) A47L 11/282 (2006.01)</p> <p>[25] EN</p> <p>[54] <b>FLUID DISPENSING SCRUBBER</b></p> <p>[54] <b>BROSSE A DISTRIBUTION DE LIQUIDE</b></p> <p>[72] HUNG, LAM CHIN, US</p> <p>[72] IZARD, CASEY R., US</p> <p>[72] JOHNSON, ADRIANNA N., US</p> <p>[71] TECHTRONIC CORDLESS GP, US</p> <p>[22] 2022-05-12</p> <p>[41] 2022-11-19</p> <p>[30] US (63/190,559) 2021-05-19</p>
<p style="text-align: right;">[21] <b>3,158,837</b> [13] A1</p> <p>[51] Int.Cl. B01D 3/40 (2006.01) B01J 19/12 (2006.01)</p> <p>[25] EN</p> <p>[54] <b>DISTILLATION APPARATUS AND METHOD FOR EXTRACTION OF VOLATILE COMPONENTS FROM BIOLOGICAL MATERIAL, ESPECIALLY FROM PLANTS</b></p> <p>[54] <b>APPAREIL DE DISTILLATION ET METHODE D'EXTRACTION D'ELEMENTS VOLATILS D'UNE MATIERE BIOLOGIQUE, EN PARTICULIER DE PLANTES</b></p> <p>[72] LAUTENSCHLAGER, JENS, CH</p> <p>[71] MIKROWELLEN LABOR TECHNIK AG, CH</p> <p>[22] 2022-05-12</p> <p>[41] 2022-11-14</p> <p>[30] EP (21 173 803.4) 2021-05-14</p>	<p style="text-align: right;">[21] <b>3,158,873</b> [13] A1</p> <p>[25] EN</p> <p>[54] <b>METHODS AND CIRCUITS FOR SENSING ISOLATED POWER CONVERTER OUTPUT VOLTAGE ACROSS THE ISOLATION BARRIER</b></p> <p>[54] <b>METHODES ET CIRCUITS POUR DETECTER UNE TENSION DE SORTIE DE CONVERTISSEUR DE PUissance ISOLE DANS LA BARRIERE D'ISOLATION</b></p> <p>[72] LIU, YAN-FEI, CA</p> <p>[72] CHEN, YANG, CN</p> <p>[72] HE, BINGHUI, CA</p> <p>[72] LIU, WENBO, CN</p> <p>[72] SHENG, BO, CA</p> <p>[71] QUEEN'S UNIVERSITY AT KINGSTON, CA</p> <p>[22] 2022-05-12</p> <p>[41] 2022-11-14</p> <p>[30] US (63/188,752) 2021-05-14</p>	<p style="text-align: right;">[21] <b>3,158,882</b> [13] A1</p> <p>[51] Int.Cl. H04N 21/2743 (2011.01) H04L 51/10 (2022.01)</p> <p>[25] EN</p> <p>[54] <b>SYSTEMS AND METHODS FOR HOSTING A VIDEO COMMUNICATIONS PORTAL ON AN INTERNAL DOMAIN</b></p> <p>[54] <b>SYSTEMES ET METHODES POUR HEBERGER UN PORTAIL DE COMMUNICATION VIDEO DANS UN DOMAINE INTERNE</b></p> <p>[72] WAGNER, PAUL, US</p> <p>[72] DRAKE, TIMOTHY A., US</p> <p>[71] CLOUDENGAGE, INC., US</p> <p>[22] 2022-05-16</p> <p>[41] 2022-11-17</p> <p>[30] US (63/201,881) 2021-05-17</p>
		<p style="text-align: right;">[21] <b>3,158,886</b> [13] A1</p> <p>[51] Int.Cl. H05B 3/00 (2006.01) F03D 80/40 (2016.01) B64D 15/12 (2006.01) B64D 15/20 (2006.01) F25C 5/08 (2006.01) F25D 21/02 (2006.01) F25D 21/08 (2006.01)</p> <p>[25] EN</p> <p>[54] <b>SYSTEM AND METHOD FOR DETECTING AND REMOVING ICE FROM A SURFACE</b></p> <p>[54] <b>SYSTEME ET METHODE POUR DETECTER ET ELIMINER LA GLACE D'UNE SURFACE</b></p> <p>[72] SAAD, SAMEH M. I., CA</p> <p>[72] CHAVES, LUCIANO F., CA</p> <p>[72] AHMED, KAZI KASED L., CA</p> <p>[71] BETTERFROST TECHNOLOGIES INC., CA</p> <p>[22] 2022-05-16</p> <p>[41] 2022-11-17</p> <p>[30] US (63/189,306) 2021-05-17</p>

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<p style="text-align: right; margin-bottom: 0;">[21] <b>3,158,962</b></p> <p style="text-align: right; margin-top: 0;">[13] A1</p> <p>[51] Int.Cl. B60R 16/023 (2006.01) B60R 16/03 (2006.01)</p> <p>[25] EN</p> <p>[54] SYSTEM AND METHOD USING WIRELESS LATCHING RELAY FOR VEHICLE SHARING</p> <p>[54] SYSTEME ET METHODE UTILISANT UN RELAI DE VERROUILLAGE SANS FIL POUR LE PARTAGE DE VEHICULE</p> <p>[72] TESSIER, MARTIN, CA</p> <p>[72] NGUYEN, DUC MINH CONG, CA</p> <p>[71] FORTIN SYSTEMES ELECTRONIQUES, CA</p> <p>[22] 2022-05-16</p> <p>[41] 2022-11-17</p> <p>[30] US (63/201,886) 2021-05-17</p>	<p style="text-align: right; margin-bottom: 0;">[21] <b>3,158,973</b></p> <p style="text-align: right; margin-top: 0;">[13] A1</p> <p>[51] Int.Cl. H01M 4/1391 (2010.01) H01M 4/131 (2010.01) H01M 10/0525 (2010.01)</p> <p>[25] EN</p> <p>[54] A NOVEL INTERMEDIATE MATERIAL BETWEEN PRECURSOR AND CATHODE ACTIVE MATERIAL</p> <p>[54] NOUVEAU MATERIAU INTERMEDIAIRE ENTRE LE PRECURSEUR ET UNE MATIERE ACTIVE DE CATHODE</p> <p>[72] BLONDAL, DANIEL J., CA</p> <p>[72] CAMPBELL, STEPHEN A., CA</p> <p>[72] WONG, ANNABELLE PO YIN, CA</p> <p>[72] REID, O'RIAN, CA</p> <p>[71] NANO ONE MATERIALS CORP., CA</p> <p>[22] 2022-05-16</p> <p>[41] 2022-11-17</p> <p>[30] US (63/189,334) 2021-05-17</p>	<p style="text-align: right; margin-bottom: 0;">[21] <b>3,159,013</b></p> <p style="text-align: right; margin-top: 0;">[13] A1</p> <p>[51] Int.Cl. B65D 81/05 (2006.01)</p> <p>[25] EN</p> <p>[54] COMB FOR SPACING APART A SERIES OF ARTICLES</p> <p>[54] PEIGNE POUR ESPACER UNE SERIE D'ARTICLES</p> <p>[72] FARAG, TAWHID, CA</p> <p>[72] FARAG ZADA, DANIEL, CA</p> <p>[71] FARAG, TAWHID, CA</p> <p>[71] FARAG ZADA, DANIEL, CA</p> <p>[22] 2022-05-12</p> <p>[41] 2022-11-17</p> <p>[30] GB (2107016.4) 2021-05-17</p>
<p style="text-align: right; margin-bottom: 0;">[21] <b>3,158,970</b></p> <p style="text-align: right; margin-top: 0;">[13] A1</p> <p>[51] Int.Cl. A24F 40/40 (2020.01) A24F 40/46 (2020.01)</p> <p>[25] EN</p> <p>[54] ELECTRONIC VAPORIZATION DEVICE AND VAPORIZER THEREOF</p> <p>[54] DISPOSITIF DE VAPORISATION ELECTRONIQUE ET VAPORISATEUR CONNEXE</p> <p>[72] CHEN, SHOUHAO, CN</p> <p>[71] SHENZHEN SMOORE TECHNOLOGY LIMITED, CN</p> <p>[22] 2022-05-16</p> <p>[41] 2022-11-14</p> <p>[30] WO (PCT/CN2021/093903) 2021-05-14</p>	<p style="text-align: right; margin-bottom: 0;">[21] <b>3,159,006</b></p> <p style="text-align: right; margin-top: 0;">[13] A1</p> <p>[51] Int.Cl. H05B 47/10 (2020.01) H05B 45/10 (2020.01) H05B 47/155 (2020.01) A61M 21/00 (2006.01)</p> <p>[25] EN</p> <p>[54] HUMAN-CENTRIC LIGHTING CONTROLLER</p> <p>[54] COMMANDE D'ECLAIRAGE AXEE SUR LES HUMAINS</p> <p>[72] UPTON, JON DANIEL, US</p> <p>[72] UPTON, JENNIFER, US</p> <p>[72] RATCLIFFE, CHRISTIAN, US</p> <p>[72] LAMBERT, BRANDON E., US</p> <p>[72] GOWIN, JOHN CHRISTOPHER, US</p> <p>[72] LEDBETTER, ELTON LEE, US</p> <p>[72] MERTS, CHRISTOPHER ANDREW, US</p> <p>[71] MATE. LLC, US</p> <p>[22] 2022-05-16</p> <p>[41] 2022-11-17</p> <p>[30] US (US 17/302,973) 2021-05-17</p>	<p style="text-align: right; margin-bottom: 0;">[21] <b>3,159,017</b></p> <p style="text-align: right; margin-top: 0;">[13] A1</p> <p>[51] Int.Cl. G08B 17/10 (2006.01)</p> <p>[25] EN</p> <p>[54] INCREASING THE SUCTION POWER IN AN ASPIRATING SMOKE DETECTOR (ASD) TO SHORTEN THE TRANSPORT TIME FROM A DETECTED MINIMUM SIGNAL LEVEL VALUE WITHOUT THE OUTPUT OF AN INTERRUPTION SIGNAL</p> <p>[54] ACCROISSEMENT DE LA PUISSANCE D'ASPIRATION D'UN DETECTEUR DE FUMEE ASPIRANT POUR REDUIRE LE TEMPS DE TRANSPORT D'UNE VALEUR DE NIVEAU DE SIGNAL MINIMALE DETECTEE SANS LA SORTIE D'UN SIGNAL INTERROMPU</p> <p>[72] FISCHER, MARTIN, CH</p> <p>[71] SIEMENS SCHWEIZ AG, CH</p> <p>[22] 2022-05-16</p> <p>[41] 2022-11-18</p> <p>[30] EP (21174278.8) 2021-05-18</p> <p>[30] EP (22159123.3) 2022-02-28</p>

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[21] 3,159,020	[21] 3,159,034	[21] 3,159,076
[13] A1	[13] A1	[13] A1
[51] Int.Cl. G07F 9/00 (2006.01) G07F 9/02 (2006.01) G07F 11/00 (2006.01) G07F 11/54 (2006.01)	[51] Int.Cl. B65D 81/00 (2006.01) B65D 1/38 (2006.01) B65D 17/50 (2006.01) B65D 25/36 (2006.01) B65D 65/38 (2006.01)	[51] Int.Cl. B65B 31/00 (2006.01) A61L 2/00 (2006.01) A61L 2/18 (2006.01)
[25] EN	[25] EN	[25] EN
[54] A RECONFIGURABLE VENDING MACHINE AND A SYSTEM AND METHOD FOR MANAGING VENDING MACHINES	[54] CONTAINER FOR PACKAGING UNITS	[54] STERILIZING PACKAGING UNITS
[54] DISTRIBUTEUR AUTOMATIQUE RECONFIGURABLE ET SYSTEME ET METHODE POUR GERER DES DISTRIBUTEURS AUTOMATIQUES	[54] CONTENANTS POUR UNITES D'EMBALLAGE	[54] UNITES D'EMBALLAGE STERILISANTES
[72] LABARTKAVA, GVARAMI, CA	[72] HUTTERER, NICOLE, DE	[72] REDEKER, CHRISTIAN, DE
[71] REPOINTER LABS INC., CA	[72] FRAAS, ANDREAS, DE	[72] MAZZA, FAUSTO, IT
[22] 2022-05-17	[72] COLCHADO, RICARDO, MX	[72] PACE, RAFFAELE, IT
[41] 2022-11-17	[72] FLYNN, STEPHEN, US	[71] GERRESHEIMER GLAS GMBH, DE
[30] US (63/189267) 2021-05-17	[72] MILLER, BRADEN, US	[71] STEVANATO GROUP S.P.A., IT
 	[72] ROSENMAN, SCOTT, US	[22] 2022-05-17
 	[72] BONATI, ALESSIO, IT	[41] 2022-11-18
 	[72] GUASTI, MICHELE, IT	[30] US (63/190,093) 2021-05-18
 	[72] CANESTRARO, MARCO, IT	 
 	[72] PRETE, RICCARDO, IT	 
 	[72] BERTOLIN, GIANPAOLO, IT	 
 	[71] GERRESHEIMER GLAS GMBH, DE	 
 	[71] STEVANATO GROUP S.P.A., IT	 
 	[22] 2022-05-17	 
 	[41] 2022-11-18	 
 	[30] US (63/190,089) 2021-05-18	 
[21] 3,159,024	[21] 3,159,062	[21] 3,159,082
[13] A1	[13] A1	[13] A1
[51] Int.Cl. H04L 67/63 (2022.01) H04L 67/61 (2022.01)	[51] Int.Cl. B01F 35/40 (2022.01) B01F 27/113 (2022.01)	[51] Int.Cl. B65D 85/30 (2006.01) A61J 1/16 (2006.01) B29C 45/00 (2006.01) B65D 1/36 (2006.01) B65D 85/42 (2006.01)
[25] EN	[25] EN	[25] EN
[54] CUSTOMER REQUEST ROUTING BASED ON SOCIAL MEDIA CLOUD OF CUSTOMERS AND AGENTS	[54] MOUNT FOR WATER CIRCULATOR	[54] TRANSPORT TRAY FOR PACKAGING UNITS
[54] ACHEMINEMENT DE LA DEMANDE D'UN CLIENT EN FONCTION DE L'INFLUENCE SUR LES MEDIAS SOCIAUX DES CLIENTS ET DES AGENTS	[54] SOCLE POUR PROPULSEUR	[54] PLATEAU DE TRANSPORT POUR UNITES D'EMBALLAGE
[72] BRAGANZA, JONATHAN, CA	[72] JOHNSON, TREVOR, US	[72] HUTTERER, NICOLE, DE
[72] LEE, KEVIN, CA	[72] HILDEN, TRAVIS, US	[72] FRAAS, ANDREAS, DE
[72] NAIDOO, LOGENDRA, CA	[71] KASCO MARINE INC., US	[72] COLCHADO, RICARDO, MX
[71] MITEL NETWORKS CORPORATION, CA	[22] 2022-05-17	[72] FLYNN, STEPHEN, US
[22] 2022-05-17	[41] 2022-11-18	[72] MILLER, BRADEN, US
[41] 2022-11-19	[30] US (63/190,008) 2021-05-18	[72] ROSENMAN, SCOTT, US
[30] US (17/325011) 2021-05-19		[72] BONATI, ALESSIO, IT
		[72] GUASTI, MICHELE, IT
		[72] CANESTRARO, MARCO, IT
		[72] PRETE, RICCARDO, IT
		[72] BERTOLIN, GIANPAOLO, IT
		[71] GERRESHEIMER GLAS GMBH, DE
		[71] STEVANATO GROUP S.P.A., IT
		[22] 2022-05-17
		[41] 2022-11-18
		[30] US (63/190,086) 2021-05-18

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<p style="text-align: right; margin-bottom: 0;">[21] <b>3,159,084</b></p> <p style="text-align: right; margin-top: 0;">[13] A1</p> <p>[51] Int.Cl. B65G 47/00 (2006.01)</p> <p>[25] EN</p> <p>[54] <b>TRANSPORTING PACKAGING UNITS</b></p> <p>[54] <b>TRANSPORT D'UNITES D'EMBALLAGE</b></p> <p>[72] HUTTERER, NICOLE, DE</p> <p>[72] FRAAS, ANDREAS, DE</p> <p>[72] COLCHADO, RICARDO, MX</p> <p>[72] FLYNN, STEPHEN, US</p> <p>[72] MILLER, BRADEN, US</p> <p>[72] ROSENMAN, SCOTT, US</p> <p>[72] BONATI, ALESSIO, IT</p> <p>[72] GUASTI, MICHELE, IT</p> <p>[72] CANESTRARO, MARCO, IT</p> <p>[72] PRETE, RICCARDO, IT</p> <p>[72] BERTOLIN, GIANPAOLO, IT</p> <p>[72] STREHL, MICHAEL-MARTIN, DE</p> <p>[71] GERRESHEIMER GLAS GMBH, DE</p> <p>[71] STEVANATO GROUP S.P.A., IT</p> <p>[22] 2022-05-17</p> <p>[41] 2022-11-18</p> <p>[30] US (63/190,071) 2021-05-18</p>	<p style="text-align: right; margin-bottom: 0;">[21] <b>3,159,097</b></p> <p style="text-align: right; margin-top: 0;">[13] A1</p> <p>[51] Int.Cl. B60J 7/10 (2006.01) B60J 7/19 (2006.01)</p> <p>[25] EN</p> <p>[54] <b>VEHICLE TOP LATCH AND SEAL ASSEMBLY</b></p> <p>[54] <b>VERROU SUPERIEUR DE VEHICULE ET ENSEMBLE D'ETANCHEITE</b></p> <p>[72] PRATHER, PHILIP, US</p> <p>[71] CLEAR LIDZ, US</p> <p>[22] 2022-05-17</p> <p>[41] 2022-11-18</p> <p>[30] US (63/189,731) 2021-05-18</p> <p>[30] US (17/736,323) 2022-05-04</p>	<p style="text-align: right; margin-bottom: 0;">[21] <b>3,159,120</b></p> <p style="text-align: right; margin-top: 0;">[13] A1</p> <p>[51] Int.Cl. E21B 33/035 (2006.01) E21B 33/064 (2006.01)</p> <p>[25] EN</p> <p>[54] <b>CONTROL SYSTEM FOR A WELL CONTROL DEVICE</b></p> <p>[54] <b>SISTÈME DE CONTRÔLE POUR UN DISPOSITIF DE COMMANDE DE PUITS</b></p> <p>[72] MANETT, KRIS, GB</p> <p>[72] WALKER, JAMIE DRUMMOND, GB</p> <p>[71] EXPRO NORTH SEA LIMITED, GB</p> <p>[22] 2022-05-17</p> <p>[41] 2022-11-19</p> <p>[30] GB (2107147.7) 2021-05-19</p>
<p style="text-align: right; margin-bottom: 0;">[21] <b>3,159,088</b></p> <p style="text-align: right; margin-top: 0;">[13] A1</p> <p>[51] Int.Cl. B63B 34/10 (2020.01) B63B 49/00 (2006.01) B63H 21/21 (2006.01)</p> <p>[25] EN</p> <p>[54] <b>CONTROL CONSOLE FOR PERSONAL WATERCRAFT</b></p> <p>[54] <b>CONSOLE DE COMMANDE POUR UNE EMBARCATION PERSONNELLE</b></p> <p>[72] HALL, DANIEL, CA</p> <p>[72] LACALONNEC, MORAN, CA</p> <p>[72] CHAMPAGNE, WILLIAM, CA</p> <p>[72] MORA, SERGIO, CA</p> <p>[72] ACHARD, PAUL, CA</p> <p>[72] BRUNEAU, PAUL, CA</p> <p>[71] TAIGA MOTORS INC., CA</p> <p>[22] 2022-05-16</p> <p>[41] 2022-11-18</p> <p>[30] US (63/190,114) 2021-05-18</p>	<p style="text-align: right; margin-bottom: 0;">[21] <b>3,159,102</b></p> <p style="text-align: right; margin-top: 0;">[13] A1</p> <p>[51] Int.Cl. G06F 21/62 (2013.01) G06F 16/22 (2019.01) G06N 20/00 (2019.01)</p> <p>[25] EN</p> <p>[54] <b>SECURE DEPLOYMENT OF DERISKED CONFIDENTIAL DATA WITHIN A DISTRIBUTED COMPUTING ENVIRONMENT</b></p> <p>[54] <b>DEPLOIEMENT SECURISE DE DONNEES CONFIDENTIELLES A RISQUE ELIMINE DANS UN ENVIRONNEMENT INFORMATIQUE</b></p> <p>[72] NIKOGHOSSIAN, MELINE, CA</p> <p>[72] CHOWANSKI, WOJCIECH, CA</p> <p>[71] THE TORONTO-DOMINION BANK, CA</p> <p>[22] 2022-05-17</p> <p>[41] 2022-11-17</p> <p>[30] US (17/745,703) 2022-05-16</p> <p>[30] US (63/189,484) 2021-05-17</p>	<p style="text-align: right; margin-bottom: 0;">[21] <b>3,159,154</b></p> <p style="text-align: right; margin-top: 0;">[13] A1</p> <p>[51] Int.Cl. A47C 21/00 (2006.01) B68G 11/04 (2006.01)</p> <p>[25] EN</p> <p>[54] <b>REVERSIBLE MATTRESS TOPPER</b></p> <p>[54] <b>COUVRE-MATELAS REVERSIBLE</b></p> <p>[72] GROPPEL, STEPHEN M., US</p> <p>[71] DREAMWELL, LTD., US</p> <p>[22] 2022-05-17</p> <p>[41] 2022-11-18</p> <p>[30] US (63/189,975) 2021-05-18</p> <p>[30] US (17/379,186) 2021-07-19</p>
<p style="text-align: right; margin-bottom: 0;">[21] <b>3,159,116</b></p> <p style="text-align: right; margin-top: 0;">[13] A1</p> <p>[51] Int.Cl. B60R 7/08 (2006.01) B60R 7/00 (2006.01)</p> <p>[25] EN</p> <p>[54] <b>CAR TISSUE BOX HOLDER</b></p> <p>[54] <b>SUPPORT DE BOITE A MOUCHOIRS DE VEHICULE</b></p> <p>[72] HO, JOSEPH, CA</p> <p>[71] FOUNDER PLASTICS INC., CA</p> <p>[22] 2022-05-17</p> <p>[41] 2022-11-17</p> <p>[30] US (63/189,528) 2021-05-17</p>	<p style="text-align: right; margin-bottom: 0;">[21] <b>3,159,219</b></p> <p style="text-align: right; margin-top: 0;">[13] A1</p> <p>[51] Int.Cl. B65D 85/30 (2006.01) B05D 5/08 (2006.01) B65D 65/38 (2006.01) B65D 71/00 (2006.01) B65D 85/42 (2006.01)</p> <p>[25] EN</p> <p>[54] <b>PROCESSING METHOD FOR PACKAGING UNITS</b></p> <p>[54] <b>METHODE DE TRAITEMENT POUR UNITES D'EMBALLAGE</b></p> <p>[72] ROSENMAN, SCOTT, US</p> <p>[72] MILLER, BRADEN, US</p> <p>[72] HAYES, ROBERT, US</p> <p>[72] HAAF, LOTHAR, DE</p> <p>[72] FITZPATRICK, SEAN, US</p> <p>[72] CUEVAS, RAMSES, MX</p> <p>[72] FRAAS, ANDREAS, DE</p> <p>[72] GSCHWENDTNER, LUKAS, DE</p> <p>[71] GERRESHEIMER GLAS GMBH, DE</p> <p>[22] 2022-05-17</p> <p>[41] 2022-11-18</p> <p>[30] US (63/190,095) 2021-05-18</p>	

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<p style="text-align: right;"><b>[21] 3,159,224</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B65D 71/70 (2006.01) B65D 1/34 (2006.01)</p> <p>[25] EN</p> <p>[54] TRANSPORTING PACKAGING UNITS</p> <p>[54] TRANSPORT D'UNITES D'EMBALLAGE</p> <p>[72] HUTTERER, NICOLE, DE</p> <p>[72] FRAAS, ANDREAS, DE</p> <p>[72] COLCHADO, RICARDO, MX</p> <p>[72] FLYNN, STEPHEN, US</p> <p>[72] MILLER, BRADEN, US</p> <p>[72] ROSENMAN, SCOTT, US</p> <p>[72] BONATI, ALESSIO, IT</p> <p>[72] GUASTI, MICHELE, IT</p> <p>[72] CANESTRARO, MARCO, IT</p> <p>[72] PRETE, RICCARDO, IT</p> <p>[72] BERTOLIN, GIANPAOLO, IT</p> <p>[72] STREHL, MICHAEL-MARTIN, DE</p> <p>[71] GERRESHEIMER GLAS GMBH, DE</p> <p>[71] STEVANATO GROUP S.P.A., IT</p> <p>[22] 2022-05-17</p> <p>[41] 2022-11-18</p> <p>[30] US (63/190,082) 2021-05-18</p>	<p style="text-align: right;"><b>[21] 3,159,480</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. H02M 7/217 (2006.01) H02J 7/00 (2006.01) H02M 1/10 (2006.01)</p> <p>[25] EN</p> <p>[54] POWER SUPPLY UNIT FOR VEHICLE CHARGING</p> <p>[54] BLOC D'ALIMENTATION POUR LA RECHERCHE DE VEHICULE</p> <p>[72] TREMBLAY, MARCO, CA</p> <p>[72] TREMBLAY, SHEILA, CA</p> <p>[71] TREMBLAY, MARCO, CA</p> <p>[71] TREMBLAY, SHEILA, CA</p> <p>[22] 2022-05-18</p> <p>[41] 2022-11-19</p> <p>[30] US (63/190,369) 2021-05-19</p>	<p style="text-align: right;"><b>[21] 3,159,609</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. G06F 21/44 (2013.01) G06Q 20/40 (2012.01)</p> <p>[25] EN</p> <p>[54] SYTSTEM AND METHOD FOR CONDUCTING TRANSACTIONS USING A MACHINE ACCOUNT ACTIVATED USING A MACHINE'S CREDENTIAL</p> <p>[54] SYSTEME ET METHODE POUR REALISER DES TRANSACTIONS AU MOYEN D'UN COMPTE MACHINE ACTIVE A L'AIDE DE JUSTIFICATIFS D'UNE MACHINE</p> <p>[72] PRATZ, STERLING, US</p> <p>[72] TABIBIAN, ORANG RYAN, US</p> <p>[72] EL-AWADY, KHALID, US</p> <p>[72] MELVIN, GEORGE WILLIAM, US</p> <p>[71] CAR IQ INC., US</p> <p>[22] 2022-05-19</p> <p>[41] 2022-11-19</p> <p>[30] US (17/665,629) 2022-02-07</p> <p>[30] US (63/190,408) 2021-05-19</p> <p>[30] US (63/190,418) 2021-05-19</p> <p>[30] US (63/190,422) 2021-05-19</p>
<p style="text-align: right;"><b>[21] 3,159,259</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A45B 25/00 (2006.01) A45B 1/00 (2006.01) E04H 12/22 (2006.01)</p> <p>[25] EN</p> <p>[54] UMBRELLA ASSEMBLY AND UMBRELLA STABILITY ASSEMBLY</p> <p>[54] ASSEMBLAGE DE PARAPLUIE ET ASSEMBLAGE DE STABILITE DE PARAPLUIE</p> <p>[72] XUE, NING, US</p> <p>[71] SHELTERLOGIC CORP., US</p> <p>[22] 2022-05-18</p> <p>[41] 2022-11-19</p> <p>[30] US (17/745,967) 2022-05-17</p> <p>[30] US (63/190,279) 2021-05-19</p>	<p style="text-align: right;"><b>[21] 3,159,519</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B23K 37/04 (2006.01) B23K 37/047 (2006.01) E04C 3/02 (2006.01)</p> <p>[25] EN</p> <p>[54] JOIST TABLE SYSTEMS AND METHODS</p> <p>[54] SYSTEMES ET METHODES DE TABLE DE SOLIVE</p> <p>[72] FREIDENBERGER, JASON ALAN, US</p> <p>[72] CAGLE, JOSEPH PATRICK, US</p> <p>[72] COUCH, CHRISTOPHER RAY, US</p> <p>[72] ERICKSON, RICHARD THOMAS, US</p> <p>[72] FUHRMAN, TRAVIS MARSHALL, US</p> <p>[72] HALE, JOHN LYMAN, US</p> <p>[72] HIRE, MATTHEW GLENN, US</p> <p>[72] MARTIN, CHRISTOPHER WILLIAM, US</p> <p>[72] OGBURN, JAMES E. III, US</p> <p>[72] POSTON, JONATHAN PRESSLEY, US</p> <p>[72] PUGLISI, PETER MICHAEL, US</p> <p>[72] SYLVESTER, PHILLIP MURRAY, JR., US</p> <p>[72] WATKINS, ADAM TAYLOR, US</p> <p>[71] NUCOR CORPORATION, US</p> <p>[22] 2022-05-19</p> <p>[41] 2022-11-19</p> <p>[30] US (63/190,458) 2021-05-19</p> <p>[30] US (17/744,233) 2022-05-13</p>	<p style="text-align: right;"><b>[21] 3,159,615</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. G06Q 20/40 (2012.01) G06F 21/44 (2013.01)</p> <p>[25] EN</p> <p>[54] SYSTEM AND METHOD FOR FRAUD PREVENTION WHEN USING A MACHINE ACCOUNT FOR A MACHINE CONDUCTING TRANSACTIONS</p> <p>[54] SYSTEME ET METHODE DE PREVENTION LORS DE L'UTILISATION D'UN COMPTE MACHINE POUR UNE MACHINE REALISANT DES TRANSACTIONS</p> <p>[72] TABIBIAN, ORANG RYAN, US</p> <p>[72] EL-AWADY, KHALID, US</p> <p>[72] MELVIN, GEORGE WILLIAM, US</p> <p>[72] PRATZ, STERLING, US</p> <p>[71] CAR IQ INC., US</p> <p>[22] 2022-05-19</p> <p>[41] 2022-11-19</p> <p>[30] US (17/665,634) 2022-02-07</p> <p>[30] US (63/190,408) 2021-05-19</p> <p>[30] US (63/190,418) 2021-05-19</p> <p>[30] US (63/190,422) 2021-05-19</p>

**Canadian Applications Open to Public Inspection**  
**November 13, 2022 to November 19, 2022**

<p style="text-align: right;">[21] <b>3,159,864</b>  [13] A1</p> <p>[25] EN  [54] <b>METHOD AND APPARATUS TO DRIVE COILS OF A MULTIPHASE ELECTRIC MACHINE</b>  [54] <b>METHODE ET APPAREIL D'ENTRAINEMENT DES BOBINES D'UNE MACHINE ELECTRIQUE MULTIPHASEE</b>  [72] HUSTEDT, ERIC, CA  [71] EXRO TECHNOLOGIES INC., CA  [22] 2022-05-12  [41] 2022-11-13  [30] US (63/188,151) 2021-05-13</p>	<p style="text-align: right;">[21] <b>3,159,945</b>  [13] A1</p> <p>[51] Int.Cl. C02F 1/04 (2006.01) C02F 1/00 (2006.01) C02F 1/28 (2006.01)  [25] EN  [54] <b>SYSTEM AND METHOD FOR GROUNDWATER REMEDIATION</b>  [54] <b>SISTÈME ET MÉTHODE DE RÉMÉDIATION D'EAU SOUTERRAINE</b>  [72] McDONALD, SHANE D., US  [71] HDR, INC., US  [22] 2022-05-19  [41] 2022-11-19  [30] US (63/190,337) 2021-05-19  [30] US (63/229,812) 2021-08-05</p>	<p style="text-align: right;">[21] <b>3,160,083</b>  [13] A1</p> <p>[51] Int.Cl. F21V 21/04 (2006.01) F21S 8/02 (2006.01)  [25] EN  [54] <b>SYSTEMS AND METHODS FOR MOUNTING RECESSED LIGHT FIXTURES</b>  [54] <b>SISTÈMES ET PROCÉDÉS POUR INSTALLER DES APPAREILS D'ECLAIRAGE ENCASTRES</b>  [72] MCCANE, STEPHEN BARRY, US  [72] PARKER, DALLIN ANDREW, US  [72] EMERICK, MATTHEW THOMAS, US  [71] ABL IP HOLDING LLC, US  [22] 2022-05-11  [41] 2022-11-13  [30] US (63/188,062) 2021-05-13</p>
<p style="text-align: right;">[21] <b>3,159,921</b>  [13] A1</p> <p>[51] Int.Cl. C08J 7/12 (2006.01) C25D 5/56 (2006.01)  [25] EN  [54] <b>LASER INDUCED GRAPHENE AS PRETREATMENT TO PLATE NON-CONDUCTIVE COMPOSITES</b>  [54] <b>GRAPHENOID INDUIT PAR LASER COMME PRÉTRAITEMENT DE COMPOSITES NON CONDUCTEURS EN PLAQUE</b>  [72] POTEET, STEVEN, US  [72] HUAPAYA ROJAS, LARA NAOMI, US  [72] BORDAGE, KEVIN R., US  [71] GOODRICH CORPORATION, US  [22] 2022-05-12  [41] 2022-11-14  [30] US (63/188,769) 2021-05-14  [30] US (17/733,792) 2022-04-29</p>	<p style="text-align: right;">[21] <b>3,160,004</b>  [13] A1</p> <p>[51] Int.Cl. B23P 11/02 (2006.01)  [25] EN  [54] <b>SYSTEM AND METHOD FOR INDUCTION SHRINK FITTING</b>  [54] <b>SISTÈME ET MÉTHODE POUR L'AJUSTEMENT FRETTE PAR INDUCTION</b>  [72] SWIDERSKI, JOSEPH, CA  [72] BEAULIEU, GUY, CA  [72] ZABETI, PARHAM, CA  [72] LACHANCE, PIERRE-LUC, CA  [71] PRATT &amp; WHITNEY CANADA CORP., CA  [22] 2022-05-12  [41] 2022-11-17  [30] US (17/321,583) 2021-05-17</p>	<p style="text-align: right;">[21] <b>3,160,145</b>  [13] A1</p> <p>[51] Int.Cl. F42B 12/54 (2006.01) A01K 13/00 (2006.01) A61D 7/00 (2006.01)  [25] EN  [54] <b>SELF-REMOVING ANIMAL DART</b>  [54] <b>FLECHETTE À ANIMAUX À RETRAIT AUTOMATIQUE</b>  [72] WIART, GENE, CA  [71] 1346369 ALBERTA LTD., CA  [22] 2022-05-19  [41] 2022-11-19  [30] US (63/190242) 2021-05-19</p>
<p style="text-align: right;">[21] <b>3,159,929</b>  [13] A1</p> <p>[25] EN  [54] <b>MODELING AND MANAGEMENT OF INDUSTRIAL NETWORK USING OPCUA</b>  [54] <b>MODELISATION ET GESTION DE RESEAU INDUSTRIEL AU MOYEN D'OPCUA</b>  [72] MEHMEDAGIC, ALEN, US  [71] SCHNEIDER ELECTRIC USA, INC., US  [22] 2022-05-18  [41] 2022-11-18  [30] US (63/190221) 2021-05-18  [30] US (63/190776) 2021-05-19</p>	<p style="text-align: right;">[21] <b>3,160,073</b>  [13] A1</p> <p>[51] Int.Cl. E21B 33/13 (2006.01) E21B 23/00 (2006.01) E21B 33/134 (2006.01)  [25] EN  [54] <b>WELL ABANDONMENT TOOL</b>  [54] <b>OUTIL D'ABANDON DE PUITS</b>  [72] OLSON, BRETT, CA  [71] OLSON, BRETT, CA  [22] 2022-05-18  [41] 2022-11-19  [30] US (63/190,549) 2021-05-19</p>	<p style="text-align: right;">[21] <b>3,160,846</b>  [13] A1</p> <p>[51] Int.Cl. B64D 31/00 (2006.01) F02C 9/00 (2006.01)  [25] EN  [54] <b>METHOD AND SYSTEM FOR OPERATING AN ENGINE TO PREVENT HIGH POWER ENGINE SURGES</b>  [54] <b>MÉTHODE ET SISTÈME D'EXPLOITATION D'UN MOTEUR POUR PRÉVENIR LES SAUTES DE RÉGIME MOTEUR DE GRANDE PISSANCE</b>  [72] DROLET, MARTIN, CA  [72] CLOUTIER, YVES, CA  [71] PRATT &amp; WHITNEY CANADA CORP., CA  [22] 2022-05-13  [41] 2022-11-19  [30] US (17/324,404) 2021-05-19</p>

**Demandes canadiennes mises à la disponibilité du public**  
**13 novembre 2022 au 19 novembre 2022**

[21] 3,160,870	[21] 3,160,908	[21] 3,170,805
<p>[13] A1</p> <p>[51] Int.Cl. F23R 3/36 (2006.01) B64D 33/00 (2006.01) B64D 37/30 (2006.01) F02C 7/22 (2006.01)</p> <p>[25] EN</p> <p>[54] NOZZLE TIP WITH SHIELDED CORE FOR DUAL COMBUSTION SYSTEMS</p> <p>[54] BEC DU BRULEUR AVEC NOYAU BLINDE POUR LES SYSTEMES DE COMBUSTION DOUBLES</p> <p>[72] MORENKO, OLEG, CA</p> <p>[72] DHALLA, SANDEEP VISHAL, CA</p> <p>[71] PRATT &amp; WHITNEY CANADA CORP., CA</p> <p>[22] 2022-05-13</p> <p>[41] 2022-11-17</p> <p>[30] US (17/322,812) 2021-05-17</p>	<p>[13] A1</p> <p>[51] Int.Cl. G08G 9/02 (2006.01) H01M 10/0563 (2010.01) H04W 4/46 (2018.01)</p> <p>[25] EN</p> <p>[54] VEHICLE PROXIMITY SENSOR AND ALERT SYSTEM</p> <p>[54] CAPTEUR DE PROXIMITE DE VEHICULE ET SYSTEME D'ALERTE</p> <p>[72] CHURKO, STEPHEN PAUL, CA</p> <p>[72] CHURKO, RACHEL KELLIE, CA</p> <p>[72] GRIFFIN, JASON TYLER, CA</p> <p>[72] WONG, JOSHUA KWAN HO, CA</p> <p>[72] MACKAY, TIMOTHY, CA</p> <p>[72] NGUYEN, THAI, CA</p> <p>[72] WANG, MINXUAN, CA</p> <p>[72] ALTMAN, BENJAMIN, CA</p> <p>[72] LEUNG, LAWRENCE SZE-HEEN, CA</p> <p>[71] HEDS UP SAFETY INC., CA</p> <p>[22] 2022-05-13</p> <p>[41] 2022-11-14</p> <p>[30] US (63/189012) 2021-05-14</p> <p>[30] US (63/268003) 2022-02-15</p>	<p>[13] A1</p> <p>[51] Int.Cl. G06Q 50/30 (2012.01)</p> <p>[25] EN</p> <p>[54] SYSTEM AND METHOD TO PREPARE A STANDARDIZED TRANSFER DOCUMENT FOR TRANSPORTATION OF A MATERIAL</p> <p>[54] SYSTEME ET METHODE POUR PREPARER UN DOCUMENT DE TRANSFERT NORMALISE POUR LE TRANSPORT D'UN MATERIAU</p> <p>[72] CHILDERSON, MARK, CA</p> <p>[72] MANDRYCHENKO, VLAD, CA</p> <p>[72] BOWD, ROB, CA</p> <p>[72] TAN, GERROME, CA</p> <p>[71] GARNER DISTRIBUTED WORKFLOW INC., CA</p> <p>[22] 2022-08-18</p> <p>[41] 2022-11-15</p> <p>[30] US (63/294,169) 2021-12-28</p>
<p style="text-align: right;">[21] 3,160,893</p> <p>[13] A1</p> <p>[51] Int.Cl. B64D 27/24 (2006.01) B64C 3/32 (2006.01) B64D 33/00 (2006.01) B64F 5/00 (2017.01)</p> <p>[25] EN</p> <p>[54] HYBRID-ELECTRIC AND ALL-ELECTRIC AIRCRAFT POWER SYSTEMS</p> <p>[54] SYSTEMES D'ALIMENTATION D'AERONEF ELECTRIQUES HYBRIDES ET COMPLETEMENT ELECTRIQUES</p> <p>[72] MACKAY, DANIEL, CA</p> <p>[71] PRATT &amp; WHITNEY CANADA CORP., CA</p> <p>[22] 2022-05-13</p> <p>[41] 2022-11-17</p> <p>[30] US (17/322,739) 2021-05-17</p>	<p style="text-align: right;">[21] 3,161,042</p> <p>[13] A1</p> <p>[51] Int.Cl. G01F 23/04 (2006.01)</p> <p>[25] EN</p> <p>[54] SYSTEMS AND METHODS FOR DETERMINING SLUDGE LEVELs IN WASTEWATER RESERVOIRS</p> <p>[54] SYSTEMES ET METHODES POUR DETERMINER LES NIVEAUX DE BOUE DANS LES RESERVOIRS D'EAUX USEES</p> <p>[72] DESCHAMPS, NICOLAS, CA</p> <p>[71] DRONE DES CHAMPS INC., CA</p> <p>[22] 2022-05-13</p> <p>[41] 2022-11-13</p> <p>[30] US (63/188328) 2021-05-13</p>	<p style="text-align: right;">[21] 3,170,807</p> <p>[13] A1</p> <p>[51] Int.Cl. G06Q 50/30 (2012.01)</p> <p>[25] EN</p> <p>[54] SYSTEM AND METHOD TO MONITOR AN INVENTORY AND TRANSPORTATION OF THE MATERIALS BETWEEN THE PARTIES</p> <p>[54] SYSTEME ET METHODE DE SURVEILLANCE D'UN STOCK ET TRANSPORT DES MATERIAUX ENTRE LES PARTIES</p> <p>[72] CHILDERSON, MARK, CA</p> <p>[72] MANDRYCHENKO, VLAD, CA</p> <p>[72] BOWD, ROB, CA</p> <p>[72] TAN, GERROME, CA</p> <p>[71] GARNER DISTRIBUTED WORKFLOW INC., CA</p> <p>[22] 2022-08-18</p> <p>[41] 2022-11-15</p> <p>[30] US (63/294,169) 2021-12-28</p>

# PCT Applications Entering the National Phase

## Demandes PCT entrant en phase nationale

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[13] A1	[13] A1	[13] A1
[51] Int.Cl. G01S 19/42 (2010.01) B25B 23/14 (2006.01) B25B 23/151 (2006.01) G01B 21/00 (2006.01)	[51] Int.Cl. G21C 3/60 (2006.01) G21C 3/326 (2006.01)	[51] Int.Cl. A63F 13/55 (2014.01) A63F 13/533 (2014.01)
[25] EN	[25] EN	[25] EN
[54] TIGHTENING MACHINE	[54] THORIUM-BASED FUEL DESIGN FOR PRESSURIZED HEAVY WATER REACTORS	[54] VIRTUAL OBJECT CONTROL METHOD, APPARATUS, DEVICE, AND COMPUTER-READABLE STORAGE MEDIUM
[54] MACHINE DE SERRAGE	[54]	[54] METHODE DE COMMANDE D'UN OBJET VIRTUEL, APPAREIL, DISPOSITIF ET SUPPORT DE STOCKAGE LISIBLE PAR ORDINATEUR
[72] HORIBA, YUSUKE, JP	[72] SHAH, MEHUL, US	[72] WEI, JIACHENG, CN
[71] SANYO MACHINE WORKS, LTD., JP	[72] MILANY, RIDA, CA	[72] ZHANG, KANG, CN
[85] 2021-11-05	[72] SHIRVAN, KOROUSH, US	[72] HU, XUN, CN
[86] 2021-05-14 (PCT/JP2021/018410)	[71] CLEAN CORE THORIUM ENERGY LLC, US	[72] WAN, YULIN, CN
[87] (3138053)	[85] 2022-06-14	[72] SU, SHANDONG, CN
	[86] 2021-08-26 (PCT/US2021/047719)	[71] TENCENT TECHNOLOGY (SHENZHEN) COMPANY LIMITED, CN
	[87] (3151169)	[85] 2022-05-25
	[30] US (63/186,990) 2021-05-11	[86] 2021-10-21 (PCT/CN2021/125430)
		[87] (3160509)
		[30] CN (202110526815.3) 2021-05-14
[21] 3,150,903	[21] 3,159,869	[21] 3,166,243
[13] A1	[13] A1	[13] A1
[51] Int.Cl. A61K 35/747 (2015.01) A61K 35/745 (2015.01) A23L 33/135 (2016.01) A61P 9/10 (2006.01) A61P 31/04 (2006.01) C12N 1/20 (2006.01)	[51] Int.Cl. A24B 15/167 (2020.01) A24C 5/01 (2020.01) A24D 1/20 (2020.01) A24F 40/20 (2020.01) A24B 15/28 (2006.01) A24B 15/30 (2006.01)	[51] Int.Cl. C09K 8/03 (2006.01) E21B 47/11 (2012.01) C09K 8/035 (2006.01) C09K 8/80 (2006.01) C09K 11/02 (2006.01) C09K 11/06 (2006.01) C09K 11/88 (2006.01) G01N 21/64 (2006.01)
[25] EN	[25] EN	[25] EN
[54] PROBIOTIC FOR INHIBITING GROWTH OF PROTEUS MIRABILIS, AND FERMENTATION BROTH AND APPLICATION THEREOF	[54] AEROSOL-GENERATING COMPRISING AN AMORPHOUS SOLID WITH ALGINATE AND PECTIN AS GELLING AGENTS	[54] OIL FIELD TRACER, METHOD FOR OIL FIELD TRACING, AND PROPPANT COMPOSITION
[54] PROBIOTIQUE POUR INHIBER LA CROISSANCE DE PROTEUS MIRABILIS ET BOUILLON DE FERMENTATION ET APPLICATION CONNEXE	[54] GENERATION D'AEROSOL COMPRENANT UN SOLIDE AMORPHE AVEC DE L'ALGINATE ET DE LA PECTINE EN TANT QU'AGENTS GELIFIANTS	[54] TRACEUR DE CHAMP PETROLIFERE, PROCEDE DE TRACAGE DE CHAMP PETROLIFERE ET COMPOSITION D'AGENT DE SOUTENEMENT
[72] LI, XUEJUN, CN	[72] REES, KELLY, GB	[72] WANG, YUNJUN, CN
[72] ZHANG, GORDON, CN	[72] LEAH, THOMAS, GB	[72] LIU, DONGQIANG, CN
[72] ZHAO, YU, CN	[72] TODD, RICHARD, GB	[71] SUZHOU XINGSHUO NANOTECH CO., LTD., CN
[72] XU, CHENGWEI, CN	[71] NICOVENTURES TRADING LIMITED, GB	[85] 2022-06-28
[71] ALAND BIOTECHNOLOGY RESEARCH TAIZHOU CO., LTD, CN	[85] 2022-05-27	[86] 2020-12-18 (PCT/CN2020/137773)
[85] 2022-03-10	[86] 2020-11-27 (PCT/EP2020/083794)	[87] (WO2021/135996)
[86] 2021-06-25 (PCT/CN2021/102388)	[87] (WO2021/105472)	[30] CN (201911411302.7) 2019-12-31
[87] (3150903)	[30] GB (1917469.7) 2019-11-29	
[30] CN (202110530026.7) 2021-05-14		

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[21] 3,171,066

[13] A1

- [51] Int.Cl. C07K 14/005 (2006.01) C12N 15/86 (2006.01)
  - [25] EN
  - [54] METHODS AND COMPOSITION FOR GENE DELIVERY USING AN ENGINEERED VIRAL PARTICLE
  - [54] PROCEDES ET COMPOSITION POUR ADMINISTRATION DE GENES A L'AIDE D'UNE PARTICULE VIRALE MODIFIEE
  - [72] GILL, SAAR, US
  - [71] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US
  - [85] 2022-09-08
  - [86] 2021-03-11 (PCT/US2021/021904)
  - [87] (WO2021/183761)
  - [30] US (62/988,074) 2020-03-11
  - [30] US (62/988,195) 2020-03-11
  - [30] US (63/080,501) 2020-09-18
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- [51] Int.Cl. A61B 17/70 (2006.01)
- [25] EN
- [54] SYSTEM AND METHOD FOR THE TREATMENT OF SPINAL CONDITIONS
- [54] SYSTEME ET PROCEDE DE TRAITEMENT D'AFFECTIONS RACHIDIENNES
- [72] ROGOZINSKI, CHAIM, US
- [71] ROGOZINSKI, CHAIM, US
- [85] 2022-09-08
- [86] 2021-03-03 (PCT/US2021/020623)
- [87] (WO2021/183338)
- [30] US (62/987,938) 2020-03-11
- [30] US (16/909,275) 2020-06-23

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- [51] Int.Cl. A61K 31/7034 (2006.01) A61K 45/06 (2006.01) C07H 15/207 (2006.01)
  - [25] EN
  - [54] METHOD FOR REDUCING THE OCCURRENCE OF THROMBOSIS OR THROMBOEMBOLISM
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  - [72] CARDENAS, JESSICA C., US
  - [72] WADE, CHARLES E., US
  - [72] WANG, YAO-WEI, US
  - [72] COTTON, BRYAN A., US
  - [72] OSBORN, CRISTON, US
  - [71] THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM, US
  - [71] GRIFOLS SHARED SERVICES NORTH AMERICA, INC., US
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- [54] GENERATION DE DONNEES DE SIMULATION DE VEHICULE AUTONOME A PARTIR DE DONNEES JOURNALISEES
- [72] WYRWAS, JOHN MICHAEL, US
- [72] SMITH, JESSICA ELIZABETH, US
- [72] BOX, SIMON, US
- [71] AURORA OPERATIONS, INC., US
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  - [72] GAO, XUMEI, AU
  - [71] THE UNIVERSITY OF MELBOURNE, AU
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  - [54] SOLID CLEANSING COMPOSITION COMPRISING AN ACYL ALKYL ISETHIONATE
  - [54] COMPOSITION DE NETTOYAGE SOLIDE COMPRENANT UN ISETHIONATE D'ALKYLE ACYLE
  - [72] COTRELL, PHILLIP LORAIN, US
  - [72] YAMADA, KIMI AILEEN, US
  - [71] INNOSPEC ACTIVE CHEMICALS LLC, US
  - [85] 2022-09-08
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- [54] FORMULATIONS LIQUIDES D'ANALOGUES DU GLUCAGON
- [72] VILLADSEN, JESPER SKODBORG, DK
- [72] GOTTSCHALK BOVING, TINE ELISABETH, DK
- [71] ZEALAND PHARMA A/S, DK
- [85] 2022-09-09
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C12N 15/13 (2006.01) C12N 15/90  
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ANTIBODIES
- [54] ANIMAUX TRANSGENIQUES  
EXPRIMANT DES ANTICORPS A  
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- [72] HOU, WENYANG, CA
- [72] LI, XIN, CA
- [72] DA CRUZ, LUIS, CA
- [72] GUPTA, ASHWANI, CA
- [72] YOUNG, DAVID S., CA
- [71] KISOJI BIOTECHNOLOGY INC., CA
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- [54] PROCEDE DE FABRICATION  
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- [72] BOLTER, DR. RALF, DE
- [72] SCHEFFEL, ANDREAS, DE
- [72] KRUGER, INGO, DE
- [72] HERTE, MATTHIAS, DE
- [72] REIS, HELMUT, DE
- [71] TESAT-SPACECOM GMBH & CO.  
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- [71] TRUMPF LASER- UND  
SYSTEMTECHNIK GMBH (TLD), DE
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- [25] EN
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ENHANCEMENT OF  
PREPHENATE DEHYDRATASE  
ACTIVITY
- [54] PROCEDE DE PRODUCTION DE  
L-TRYPTOPHANE PAR  
L'AMELIORATION DE  
L'ACTIVITE DE LA PREPHENATE  
DESHYDRATASE
- [72] SEO, CHANG IL, KR
- [72] KIM, HYUN AH, KR
- [72] SON, SUNG KWANG, KR
- [72] CHEONG, KI YONG, KR
- [72] JUNG, MOO YOUNG, KR
- [72] KIM, TAE YEON, KR
- [71] CJ CHEILJEDANG CORPORATION,  
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COMPOUNDS AS KCC2
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- [72] JARVIS, REBECCA ELIZABETH, GB
- [72] BURLI, ROLAND WERNER, GB
- [71] ASTRAZENECA AB, SE
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- [25] EN
- [54] SYSTEM AND METHOD FOR  
DISPENSING A LIQUID IN A  
CLOSED CHAMBER
- [54] SYSTEME ET PROCEDE POUR LA  
DISTRIBUTION D'UN LIQUIDE  
DANS UNE ENCEINTE FERMEE
- [72] BOIRA BONHORA, JORDI, ES
- [72] ROURA SALIETTI, CARLOS, ES
- [71] GRIFOLS WORLDWIDE  
OPERATIONS LIMITED, IE
- [85] 2022-09-09
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- [25] EN
- [54] ENZYMATIC METHOD FOR  
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- [54] PROCEDE ENZYMATIQUE DE  
PREPARATION DE CMP-NEU5AC
- [72] REXER, THOMAS F. T., DE
- [72] MAHOUR, REZA, DE
- [71] MAX-PLANCK-GESELLSCHAFT  
ZUR FORDERUNG DER  
WISSENSCHAFTEN E.V., DE
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  - [54] REVETEMENT DE MANCHON D'ISOLATION THERMIQUE POUR DISPOSITIF D'ECOULEMENT DE FLUIDE ET DISPOSITIF D'ECOULEMENT DE FLUIDE INCORPORANT UN TEL REVETEMENT
  - [72] VERNHES, LUC DAVID, CA
  - [72] KHELFAOUI, FADILA, CA
  - [72] COSTANTINI, ALFREDO VINCENZO, CA
  - [72] TRAN, DUC THANH, CA
  - [71] VELAN INC., CA
  - [85] 2022-09-09
  - [86] 2021-03-12 (PCT/IB2021/052086)
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- [54] PROCEDES DE DESARMEMENT DE VIRUS A L'AIDE D'UN GAZ REACTIF
- [72] HOCHWALT, MARK A., US
- [71] NANOGUARD TECHNOLOGIES, LLC, US
- [85] 2022-09-09
- [86] 2021-03-24 (PCT/US2021/023941)
- [87] (WO2021/202201)
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  - [54] MULTIPLEX CRISPR/CAS SYSTEM FOR MODIFYING CELL GENOMES
  - [54] SYSTEME CRISPR/CAS MULTIPLEX POUR MODIFIER DES GENOMES DE CELLULES
  - [72] VAN DER HELM, ERIC, DK
  - [72] MARTINEZ, VIRGINIA, DK
  - [72] TAKOS, ADAM, DK
  - [71] SNIPR BIOME APS., DK
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- [54] CONNECTIVITE CELLULAIRE DYNAMIQUE ENTRE LES HYPERVISEURS ET DES MACHINES VIRTUELLES
- [72] JINDAL, ROHIT, US
- [72] JASTY, SABITA, US
- [72] KATA, MADHUSUDANA RAO, US
- [72] MENON, KRISHNA MOHAN, US
- [72] DSOUZA, KEITH NEIL MARK, US
- [72] KARNATAPU, VIRAJITHA, US
- [72] LAKSHMANAN, YEGAPPAN, US
- [71] CISCO TECHNOLOGIES, INC, US
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  - [54] PROCEDES D'ELIMINATION DE CARBONE PNEUMATIQUE
  - [72] SHANER, SAMUEL, US
  - [72] JONES, ZACHARY, US
  - [72] CALDWELL, ANDREW, US
  - [72] SAADI, FADL, US
  - [71] CZERO INC., US
  - [85] 2022-09-09
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- [54] CONVERTISSEUR DE COURANT ELECTRIQUE POUR UNE SOURCE D'ENERGIE PHOTOVOLTAIQUE
- [72] SCOBIE, ANDREW JOHN, GB
- [72] BOUALLAGA, KAMEL, GB
- [72] POCIASK, PATRYK WLADYSLAW, GB
- [72] GAN, LEONG KIT, GB
- [72] XU, XIAO, GB
- [71] THIRD EQUATION LTD, GB
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  - [54] **PROCEDE DE PREPARATION DE POLYMERES DE POLYALKYL (METH)ACRYLATE**
  - [72] SCHOLLER, KATRIN, DE
  - [72] LIPPERT, SARAH, DE
  - [72] TSCHEPAT, WOLFGANG, DE
  - [72] ZIEGLER, FABIAN, DE
  - [71] EVONIK OPERATIONS GMBH, DE
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- [54] **IRRIGATION PAR ASPIRATION SUIVIE D'UNE OBTURATION INSTANTANEE D'UN SYSTEME DE CANAL RADICULAIRE A L'AIDE D'UN ENSEMBLE DE MISE EN PLACE UNIQUE**
- [72] BAETEN, JOHN, US
- [72] BUCHANAN, L. STEPHAN, US
- [72] ARAND, BRETT, US
- [71] BUCHANAN, L. STEPHAN, US
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  - [54] **PROCEDE ET APPAREIL DE TRANSFERT INTERCELLULAIRE**
  - [72] LONG, HONGXIA, CN
  - [71] TELEFONAKTIEBOLAGET L M ERICSSON (PUBL), SE
  - [85] 2022-09-09
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  - [25] EN
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  - [54] **COMPOSITIONS ET PROCEDES DE PRODUCTION D'ACIDE 2,5-FURANE DICARBOXYLIQUE**
  - [72] LEE, TONI M., US
  - [72] QIAN, SHUAI, US
  - [72] FISHER, BRIAN F., US
  - [72] WIEMANN, PHILLIP, US
  - [72] WOELK, HANS-JOERG, US
  - [72] CHAKRABARTI, GAURAB, US
  - [72] HUNT, SEAN, US
  - [72] MILLER, KONRAD V., US
  - [71] SOLUGEN, INC., US
  - [85] 2022-09-09
  - [86] 2021-02-25 (PCT/US2021/019690)
  - [87] (WO2021/183298)
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- [54] **MURS USINES**
- [72] MAY, JOSHUA, US
- [71] MW ENTERPRISES LLC, US
- [85] 2022-09-09
- [86] 2021-04-08 (PCT/US2021/026490)
- [87] (WO2022/169471)
- [30] US (17/168,890) 2021-02-05

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  - [54] **SISTÈME ET DISPOSITIF DE LACERATION, ET PROCÉDES DE LACERATION**
  - [72] LEUNG, JACKIE, CA
  - [72] MORIYAMA, EDUARDO, CA
  - [72] DAVIES, GARETH, CA
  - [72] LAU, KAYLIE, CA
  - [71] BOSTON SCIENTIFIC MEDICAL DEVICE LIMITED, IE
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  - [86] 2021-03-15 (PCT/IB2021/052142)
  - [87] (WO2021/186329)
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- [54] **MATELAS MULTI-ZONES MODULAIRE ET PROCEDE DE CONCEPTION ASSOCIE PERMETTANT L'OPTIMISATION D'UNE SURFACE DE SOMMEIL**
- [72] DUHAMEL, ERIC, CA
- [72] WAGNAC, ERIC, CA
- [72] LAROCHE, ELISABETH, CA
- [71] ORTHEX CANADA INC., CA
- [85] 2022-09-09
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- [54] SYSTEME DE BOITIER DE VERROUILLAGE DE SMARTPHONE
- [72] ISGAR, CHARLES, US
- [71] ISGAR, CHARLES, US
- [85] 2022-09-09
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- [54] METHODES ET COMPOSITIONS DE VACCIN CONTRE LE CORONAVIRUS
- [72] SULLIVAN, SEAN MICHAEL, US
- [72] MATSUDA, DAIKI, US
- [72] TACHIKAWA, KIYOSHI, US
- [72] CHIVUKULA, PADMANABH, US
- [72] KARMALI, PRIYA PRAKASH, US
- [72] DAVIS, JARED HENRY, US
- [72] BAO, YANJIE, US
- [72] SAGI, AMIT, US
- [71] ARCTURUS THERAPEUTICS, INC., US
- [71] SULLIVAN, SEAN MICHAEL, US
- [71] MATSUDA, DAIKI, US
- [71] TACHIKAWA, KIYOSHI, US
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- [71] KARMALI, PRIYA PRAKASH, US
- [71] DAVIS, JARED HENRY, US
- [71] BAO, YANJIE, US
- [71] SAGI, AMIT, US
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- [30] US (62/987,191) 2020-03-09
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- [54] DRIED PARTICLE INHALATION FOR DELIVERY OF CANNABIS
- [54] INHALATION DE PARTICULES SECHEES POUR L'ADMINISTRATION DE CANNABIS
- [72] MATTES, GLENN, US
- [72] FLETCHER, AARON, US
- [72] CASULO, CARLO, US
- [71] TFF PHARMACEUTICALS, INC., US
- [85] 2022-09-09
- [86] 2021-03-18 (PCT/US2021/022868)
- [87] (WO2021/188748)
- [30] US (62/991,896) 2020-03-19

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[13] A1

- [51] Int.Cl. H01H 85/30 (2006.01) H02M 1/32 (2007.01) H01L 23/051 (2006.01) H01L 23/525 (2006.01) H01L 23/62 (2006.01) H01L 25/11 (2006.01) H02H 3/04 (2006.01)
- [25] EN
- [54] POWER COMPONENT INCLUDING A MAIN COMPONENT AND A SENSOR AND Emitter UNIT AND SYSTEM WITH THE POWER COMPONENT
- [54] COMPOSANT DE PUISSANCE COMPRENANT UN COMPOSANT PRINCIPAL, UN CAPTEUR ET UNE UNITE EMETTRICE ET SYSTEME COMPRENANT LE COMPOSANT DE PUISSANCE
- [72] DAENZER, JONAS, CH
- [72] BAECHLE, RALF, DE
- [71] ABB SCHWEIZ AG, CH
- [85] 2022-09-09
- [86] 2021-02-12 (PCT/EP2021/053416)
- [87] (WO2021/180419)
- [30] EP (20162452.5) 2020-03-11

**[21] 3,171,222**

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- [51] Int.Cl. C11C 3/04 (2006.01) C10L 1/02 (2006.01)
- [25] EN
- [54] PROCESS FOR CONVERTING BIOSOURCED TRIGLYCERIDES INTO A SINGLE-PHASE COMPOSITION CONTAINING FATTY ACID ESTER AND RELATED USES AS BIOFUEL OR LUBRICANT
- [54] PROCEDE DE CONVERSION DE TRIGLYCERIDES BIOSOURCES EN UNE COMPOSITION MONOPHASEE CONTENANT UN ESTER D'ACIDE GRAS, ET UTILISATIONS ASSOCIEES EN TANT QUE BIOCARBURANT OU LUBRIFIANT
- [72] ROUILLARD, ALAIN, CA
- [71] AUTARCYCLE INC., CA
- [85] 2022-09-09
- [86] 2021-01-11 (PCT/CA2020/051723)
- [87] (3171222)
- [30] US (62/990,905) 2020-03-17

**[21] 3,171,223**

[13] A1

- [51] Int.Cl. G06F 16/587 (2019.01) G06T 7/73 (2017.01)
- [25] EN
- [54] SYSTEMS AND METHODS FOR IMAGE-BASED LOCATION DETERMINATION
- [54] SYSTEMES ET PROCEDES DE DETERMINATION DE LOCALISATION SUR LA BASE D'IMAGES
- [72] CHALLA, SUBHASH, AU
- [72] VO, NHAT, AU
- [72] QUINN, LOUIS, AU
- [72] VO, DUC, AU
- [71] SENSEN NETWORKS GROUP PTY LTD, AU
- [85] 2022-09-09
- [86] 2021-02-25 (PCT/AU2021/050162)
- [87] (WO2021/179036)
- [30] AU (2020900736) 2020-03-10
- [30] AU (2020902942) 2020-08-18

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**[21] 3,171,225**  
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- [51] Int.Cl. A61K 38/07 (2006.01) C07K 5/10 (2006.01) C07K 5/103 (2006.01)
  - [25] EN
  - [54] OLIGOSACCHARIDE FORMULATIONS OF KAPPA OPIOID RECEPTOR AGONISTS
  - [54] FORMULATIONS D'OLIGOSACCHARIDE D'AGONISTES DU RECEPTEUR OPIOÏDE KAPPA
  - [72] WILSON, BRYAN R., US
  - [72] O'CONNOR, STEPHEN J., US
  - [71] CARA THERAPEUTICS, INC., US
  - [85] 2022-09-09
  - [86] 2021-03-18 (PCT/US2021/022878)
  - [87] (WO2021/188753)
  - [30] US (62/991,560) 2020-03-18
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- [51] Int.Cl. A61K 31/722 (2006.01) A61K 31/522 (2006.01) A61K 31/728 (2006.01) A61P 31/12 (2006.01)
- [25] EN
- [54] MEANS AND METHODS OF PREVENTING AND TREATING INFECTIONS
- [54] MOYENS ET PROCEDES DE PREVENTION ET DE TRAITEMENT D'INFECTIONS
- [72] VOIGT, ANDREAS, DE
- [72] ANDERSEN, RICHARD DOLPH, DE
- [72] SKRINER, KARL, DE
- [71] SOLYPLUS GMBH, DE
- [71] LEOPOLD GMBH, DE
- [85] 2022-09-09
- [86] 2021-04-14 (PCT/EP2021/059643)
- [87] (WO2021/209493)
- [30] US (63/010,423) 2020-04-15
- [30] EP (20216717.7) 2020-12-22

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- [51] Int.Cl. A61B 17/00 (2006.01) A61B 17/34 (2006.01) A61B 18/00 (2006.01) A61B 18/14 (2006.01)
- [25] EN
- [54] NEEDLE ASSEMBLY FOR FORMING HOLE THROUGH BIOLOGICAL WALL
- [54] ENSEMBLE AIGUILLE POUR FORMER UN TROU A TRAVERS UNE PAROI BIOLOGIQUE
- [72] BALKOVEC, CHRISTIAN, CA
- [72] DAVIES, GARETH, CA
- [72] UHM, YUN, CA
- [71] BOSTON SCIENTIFIC MEDICAL DEVICE LIMITED, IE
- [85] 2022-09-09
- [86] 2021-03-15 (PCT/IB2021/052140)
- [87] (WO2021/186327)
- [30] US (62/992,215) 2020-03-20

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[13] A1

- [51] Int.Cl. B01D 29/00 (2006.01) B01D 29/35 (2006.01) B01D 35/02 (2006.01) B01D 35/28 (2006.01)
  - [25] EN
  - [54] DISPOSABLE INSERT FOR STRAINER BASKET
  - [54] INSERT A USAGE UNIQUE POUR PANIER DE CREPINE
  - [72] RENKEN, TROY, US
  - [72] PARCELL, JASON, US
  - [72] CARPENTER, WILLIAM KEVIN, US
  - [72] SMITH, JACOB, US
  - [71] HAYWARD INDUSTRIES, INC., US
  - [85] 2022-09-09
  - [86] 2021-03-11 (PCT/US2021/022006)
  - [87] (WO2021/183829)
  - [30] US (62/988,266) 2020-03-11
  - [30] US (63/043,621) 2020-06-24
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- [51] Int.Cl. E04F 13/08 (2006.01) E04F 13/18 (2006.01) E04F 15/02 (2006.01) E04F 15/10 (2006.01)
- [25] EN
- [54] DECORATIVE SURFACE COVERING ELEMENT, SURFACE COVERING ELEMENT COVERING, AND METHOD OF PRODUCING SUCH A DECORATIVE SURFACE COVERING ELEMENT
- [54] ELEMENT DE REVETEMENT DE SURFACE DECORATIF, REVETEMENT D'ELEMENT DE REVETEMENT DE SURFACE ET PROCEDE DE PRODUCTION D'UN TEL ELEMENT DE REVETEMENT DE SURFACE DECORATIF
- [72] LI, LIN, US
- [71] NORTHANN BUILDING SOLUTIONS LLC, US
- [85] 2022-09-09
- [86] 2021-03-12 (PCT/IB2021/052088)
- [87] (WO2021/181359)
- [30] NL (2025115) 2020-03-12

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- [51] Int.Cl. A61K 39/00 (2006.01) C07K 14/18 (2006.01) C12N 15/86 (2006.01)
- [25] EN
- [54] COMPOSITIONS AND METHODS FOR INDUCING IMMUNE RESPONSES
- [54] COMPOSITIONS ET METHODES POUR L'INDUCTION DE REPONSES IMMUNITAIRES
- [72] SULLIVAN, SEAN MICHAEL, US
- [72] MATSUDA, DAIKI, US
- [72] TACHIKAWA, KIYOSHI, US
- [72] CHIVUKULA, PADMANABH, US
- [72] KARMALI, PRIYA PRAKASH, US
- [72] DAVIS, JARED HENRY, US
- [72] BAO, YANJIE, US
- [71] ARCTURUS THERAPEUTICS, INC., US
- [85] 2022-09-09
- [86] 2021-03-09 (PCT/US2021/021573)
- [87] (WO2021/183564)
- [30] US (62/987,191) 2020-03-09
- [30] US (63/073,900) 2020-09-02

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[13] A1

- [51] Int.Cl. C12N 15/86 (2006.01)
- [25] EN
- [54] GENE THERAPY
- [54] THERAPIE GENIQUE
- [72] SCHMIDT, DOMINIC, GB
- [72] KUZMUK, VALERYIA, GB
- [72] SALEEM, MOIN, GB
- [72] WELSH, GAVIN, GB
- [71] THE UNIVERSITY OF BRISTOL, GB
- [71] SYNCNA INVESTMENT MANAGEMENT LIMITED, GB
- [85] 2022-09-09
- [86] 2021-03-12 (PCT/GB2021/050633)
- [87] (WO2021/181118)
- [30] GB (2003618.2) 2020-03-12

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[13] A1

- [51] Int.Cl. G08G 1/123 (2006.01) G08G 1/14 (2006.01)
- [25] EN
- [54] SYSTEMS AND METHODS FOR IMAGE-BASED LOCATION DETERMINATION AND PARKING MONITORING
- [54] SYSTEMES ET PROCEDES DE DETERMINATION D'EMPLACEMENT A BASE D'IMAGE ET DE SURVEILLANCE DE STATIONNEMENT
- [72] CHALLA, SUBHASH, AU
- [72] VO, NHAT, AU
- [72] QUINN, LOUIS, AU
- [72] VO, DUC, AU
- [71] SENSEN NETWORKS GROUP PTY LTD, AU
- [85] 2022-09-09
- [86] 2021-02-25 (PCT/AU2021/050160)
- [87] (WO2021/179035)
- [30] AU (2020900736) 2020-03-10
- [30] AU (2020902942) 2020-08-18

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[13] A1

- [25] EN
- [54] BAGGAGE AND PARCEL HANDLING SYSTEM
- [54] SYSTEME DE MANIPULATION DE BAGAGES ET DE COLIS
- [72] HAMEL, KENNETH, US
- [72] COTTLE, RICHARD, GB
- [72] WOODS, LUKE THOMAS, GB
- [72] WATT, WILLIAM EDWARD, GB
- [72] MACDONALD, MICK WILLIAM, GB
- [72] KILIBARDA, VELIBOR, US
- [72] TAPPO, FREDDIE, US
- [72] FRAZER, WILLIAM, US
- [72] FINZEL, BRYAN, US
- [72] KINSELLA, MARTIN, US
- [71] LEIDOS SECURITY DETECTION & AUTOMATION U.K. LTD, GB
- [85] 2022-09-09
- [86] 2021-03-12 (PCT/US2021/022216)
- [87] (WO2021/183957)
- [30] US (62/988,412) 2020-03-12

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[13] A1

- [51] Int.Cl. A61K 31/737 (2006.01) A61P 29/00 (2006.01) A61P 31/12 (2006.01) A61P 37/00 (2006.01)
- [25] EN
- [54] TREATMENT FOR CORONAVIRUS INFECTION AND ASSOCIATED CYTOKINE TOXICITY
- [54] TRAITEMENT D'UNE INFECTION A CORONAVIRUS ET D'UNE TOXICITE LIEE A CYTOKINE
- [72] CULLIS-HILL, SYDNEY DAVID, AU
- [71] CULLIS-HILL, SYDNEY DAVID, AU
- [85] 2022-09-09
- [86] 2021-03-12 (PCT/AU2021/050215)
- [87] (WO2021/179047)
- [30] AU (2020900751) 2020-03-12
- [30] AU (2020904824) 2020-12-23

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[13] A1

- [51] Int.Cl. A61K 38/14 (2006.01) A61P 27/02 (2006.01) C07K 9/00 (2006.01)
- [25] EN
- [54] USE OF ANTI-AGING GLYCOPEPTIDES FOR TREATMENT OF DRY EYE DISEASE, RETINAL DEGENERATIVE DISEASES, OR OCCULAR INFLAMMATION
- [54] UTILISATION DE GLYCOPEPTIDES ANTI-AGE POUR LE TRAITEMENT DE LA KERATOCONJONCTIVITE SECHE, DE MALADIES DEGENERATIVES DE LA RETINE OU D'UNE INFLAMMATION OCULAIRE
- [72] YOUNG, LACHLAN GRANT, CA
- [71] PROTOKINETIX INC., US
- [85] 2022-09-09
- [86] 2021-03-10 (PCT/CA2021/050323)
- [87] (WO2021/179081)
- [30] US (62/987,522) 2020-03-10
- [30] US (63/074,222) 2020-09-03
- [30] US (63/077,749) 2020-09-14
- [30] US (63/118,712) 2020-11-26

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[51] Int.Cl. C07K 16/10 (2006.01) A61P 31/14 (2006.01)  
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[54] ANTI-CORONAVIRUS ANTIBODIES AND METHODS OF USE  
[54] ANTICORPS ANTI-CORONAVIRUS ET METHODES D'UTILISATION  
[72] WESTENDORF, KATHRYN, CA  
[72] ZENTELIS, STEFANIE, CA  
[72] MUTHURAMAN, KRITHIKA, CA  
[72] JEPSON, KEVIN, CA  
[72] FALCONER, ESTER, CA  
[72] MASCOLA, JOHN, US  
[72] GRAHAM, BARNEY, US  
[72] CORBETT, KIZZMEKIA, US  
[72] LEDGERWOOD, JULIE, US  
[72] WANG, LINGSHU, US  
[72] ABIONA, OLUBUKOLA, US  
[72] SHI, WEI, US  
[72] KONG, WING-PUI, US  
[72] ZHANG, YI, US  
[72] JONES, BRYAN EDWARD, US  
[72] FOSTER, DENISA, US  
[72] DAVIES, JULIAN, US  
[72] CHAI, QING, US  
[72] FRYE, CHRISTOPHER CARL, US  
[72] GOPALRATHNAM, GANAPATHY, US  
[72] HENDLE, JORG, US  
[72] SAUDER, JOHN MICHAEL, US  
[72] BOYLES, JEFFREY STREETMAN, US  
[72] PUSTILNIK, ANNA, US  
[71] ABCELLERA BIOLOGICS INC., AF  
[71] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US  
[85] 2022-09-09  
[86] 2020-12-09 (PCT/US2020/063991)  
[87] (WO2021/183195)  
[30] US (63/116,483) 2020-11-20  
[30] US (62/987,313) 2020-03-09  
[30] US (63/010,999) 2020-04-16  
[30] US (63/030,530) 2020-05-27  
[30] US (63/036,089) 2020-06-08  
[30] US (63/080,351) 2020-09-18  
[30] US (63/085,042) 2020-09-29

[21] 3,171,239  
[13] A1

[51] Int.Cl. A61M 5/142 (2006.01)  
[25] EN  
[54] FLUID PUMP NOTIFICATION AND CONTROL BASED ON MONITORED FEEDBACK  
[54] NOTIFICATION ET COMMANDE DE POMPE A FLUIDE BASEES SUR UNE RETROACTION CONTROLEE  
[72] GRAY, GEORGE W., US  
[72] AMBROSINA, JESSE E., US  
[71] FRESENIUS KABI USA, LLC, US  
[85] 2022-09-09  
[86] 2021-04-15 (PCT/US2021/027502)  
[87] (WO2021/216350)  
[30] US (63/012,399) 2020-04-20

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[13] A1

[51] Int.Cl. C07K 1/04 (2006.01)  
[25] EN  
[54] PEPTIDE SYNTHESIS AND SYSTEM THEREOF  
[54] SYNTHESE DE PEPTIDE ET SYSTEME ASSOCIE  
[72] SILLARD, RANNAR, SE  
[72] ISRAELSSON, MATS, SE  
[72] TEDEBARK, ULF, SE  
[72] HOLMBERG, LARS, SE  
[71] PEPTISYSTEMS AB, SE  
[85] 2022-09-09  
[86] 2021-03-16 (PCT/SE2021/050229)  
[87] (WO2021/188032)  
[30] SE (2050293-6) 2020-03-17

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[13] A1

[51] Int.Cl. A61F 6/00 (2006.01) B65D 75/20 (2006.01) B65D 75/30 (2006.01)  
[25] EN  
[54] PEELABLE PACKAGE  
[54] EMBALLAGE PEELABLE  
[72] PINCHIAROLI, MICHAEL T., US  
[72] GILBERT, RICHARD JAMES ELLIOTT, US  
[72] WHARTON, JONATHAN ANDREW, US  
[72] OLDHAM, JAMES BERNARD, US  
[72] PLATT, WILLIAM D., US  
[72] ORYNIAK, CARYN CULLETON, US  
[72] HUY, GERHART P., US  
[72] RANJAN, RAJESH, US  
[72] VAN SCYOC, VELISSA, US  
[72] SCHWEITZER, DAVID, US  
[72] TAYLOR, JACOB DANIEL, US  
[71] CHURCH & DWIGHT CO., INC., US  
[85] 2022-09-09  
[86] 2021-03-10 (PCT/US2021/021756)  
[87] (WO2021/183673)  
[30] US (62/987,987) 2020-03-11

[21] 3,171,242  
[13] A1

[51] Int.Cl. A41D 13/11 (2006.01) A41D 31/10 (2019.01)  
[25] FR  
[54] DEVICE FOR PROTECTING AT LEAST ONE PART OF THE FACE  
[54] DISPOSITIF DE PROTECTION D'AU MOINS UNE PARTIE DU VISAGE  
[72] BATISTA MENDES, CARLOS, FR  
[72] DUBAN, JEAN-BAPTISTE, FR  
[72] BERTRAND, CHRISTOPHE, FR  
[71] SIMON ET CIE, FR  
[85] 2022-09-09  
[86] 2021-03-19 (PCT/EP2021/057128)  
[87] (WO2021/191084)  
[30] FR (FR2002774) 2020-03-21  
[30] FR (2004012) 2020-04-22

[21] 3,171,243  
[13] A1

[51] Int.Cl. A61M 5/142 (2006.01)  
[25] EN  
[54] DELIVERY OF MULTIPLE FLUIDS FROM MULTIPLE FLUID PUMPS  
[54] DISTRIBUTION DE MULTIPLES FLUIDES A PARTIR DE MULTIPLES POMPES A FLUIDE  
[72] GRAY, GEORGE W., US  
[72] MARSHALL, MARDEN P., US  
[72] BALDWIN, JASON M., US  
[72] PASTORE, CHRISTOPHER F., US  
[72] IACOVIELLO, KIMBERLY A., US  
[72] ANTHONY, STEPHEN C., US  
[71] FRESENIUS KABI USA, LLC, US  
[85] 2022-09-09  
[86] 2021-04-15 (PCT/US2021/027514)  
[87] (WO2021/216351)  
[30] US (63/012,396) 2020-04-20

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<p>[21] <b>3,171,246</b>  [13] A1</p> <p>[51] Int.Cl. C12N 15/113 (2010.01)  [25] EN  [54] OLIGONUCLEOTIDES FOR MAPT MODULATION  [54] OLIGONUCLEOTIDES POUR LA MODULATION DE MAPT  [72] KHVOROVA, ANASTASIA, US  [72] FERGUSON, CHANTAL, US  [72] DAVIS, SARAH, US  [72] MONOPOLI, KATHRYN, US  [71] UNIVERSITY OF MASSACHUSETTS, US  [85] 2022-09-09  [86] 2021-03-17 (PCT/US2021/022688)  [87] (WO2021/188626)  [30] US (62/991,405) 2020-03-18  [30] US (63/071,106) 2020-08-27</p>
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<p>[21] <b>3,171,248</b>  [13] A1</p> <p>[51] Int.Cl. H04W 4/02 (2018.01) H04W 48/08 (2009.01) H04W 48/16 (2009.01) H04W 4/029 (2018.01)  [25] EN  [54] PASSIVE ASSET TRACKING USING OBSERVATIONS OF PSEUDO WI-FI ACCESS POINTS  [54] SUIVI PASSIF DE RESSOURCES A L'AIDE D'OBSERVATIONS DE PSEUDO-POINTS D'ACCES WI-FI  [72] CATALENA, CODY, US  [71] TROVERLO, INC., US  [85] 2022-09-09  [86] 2021-03-08 (PCT/US2021/021391)  [87] (WO2021/183449)  [30] US (16/812,471) 2020-03-09  [30] US (16/812,612) 2020-03-09  [30] US (16/907,806) 2020-06-22  [30] US (PCT/US2020/046657) 2020-08-17  [30] US (PCT/US2020/046662) 2020-08-17  [30] US (PCT/US2020/046667) 2020-08-17  [30] US (17/099,749) 2020-11-16  [30] US (17/102,151) 2020-11-23  [30] US (17/102,429) 2020-11-23</p>
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<p>[21] <b>3,171,247</b>  [13] A1</p> <p>[51] Int.Cl. A61K 35/12 (2015.01) A61K 39/395 (2006.01) A61P 31/00 (2006.01) C07K 14/725 (2006.01) C07K 16/14 (2006.01) C07K 16/28 (2006.01)  [25] EN  [54] CHIMERIC ANTIGEN RECEPTOR POLYPEPTIDES AND ASSOCIATED IMMUNOMODULATORY CELLS FOR TREATING ASPERGILLOSIS  [54] POLYPEPTIDES DE RECEPTEURS ANTIGENIQUES CHIMERIQUES ET CELLULES IMMUNOMODULATRICES ASSOCIEES POUR TRAITER L'ASPERGILLOSE  [72] AFTAB, BLAKE TOLU, US  [72] RALPH, BENJAMIN ALFRED WILLIAM RUFUS, CA  [72] SHEPPARD, DONALD CHRISTOPHER, CA  [72] LOWARY, TODD LAMBERT, CA  [72] SARKAR, SUSMITA, CA  [72] KHALIL, AMIRA IBRAHIM ALY MOHAMED, CA  [71] ATARA BIOTHERAPEUTICS, INC., US  [71] THE GOVERNORS OF THE UNIVERSITY OF ALBERTA, CA  [71] THE ROYAL INSTITUTE FOR THE ADVANCEMENT OF LEARNING (MCGILL UNIVERSITY), CA  [85] 2022-09-09  [86] 2021-03-23 (PCT/US2021/023658)  [87] (WO2021/195069)</p>
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<p>[21] <b>3,171,249</b>  [13] A1</p> <p>[51] Int.Cl. H02H 5/12 (2006.01) G01R 19/15 (2006.01) H02H 3/04 (2006.01)  [25] EN  [54] SAFETY DEVICE FOR WORK ON ELECTRICAL SYSTEMS  [54]  [72] HOLZTRATTNER, DIETMAR, AT  [72] ALTENBUCHNER, MICHAEL, AT  [71] ADAPTIVE REGELSYSTEME GESELLSCHAFT M.B.H., AT  [85] 2022-09-09  [86] 2021-03-10 (PCT/EP2021/055966)  [87] (WO2021/180750)  [30] AT (A50210/2020) 2020-03-12</p>
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<p>[21] <b>3,171,250</b>  [13] A1</p> <p>[51] Int.Cl. A61K 31/4184 (2006.01) A61K 31/4709 (2006.01) A61P 7/06 (2006.01) A61P 37/04 (2006.01)  [25] EN  [54] METHODS FOR TREATING NEUTROPENIA  [54] METHODES DE TRAITEMENT DE LA NEUTROOPENIE  [72] KELLEY, E. LYNNE, US  [72] COHEN, SARAH, US  [71] X4 PHARMACEUTICALS, INC., US  [85] 2022-09-09  [86] 2021-03-10 (PCT/US2021/021713)  [87] (WO2021/183650)  [30] US (62/987,707) 2020-03-10</p>
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16/06 (2006.01)
- [25] EN
- [54] CAPILLARY GEL  
ELECTROPHORESIS AND ITS  
USE WITH COMPLEX  
BIOLOGICAL MOLECULES
- [54] ELECTROPHORESE CAPILLAIRE  
EN GEL ET SON UTILISATION  
AVEC DES MOLECULES  
BIOLOGIQUES COMPLEXES
- [72] VASSALLO, OSCAR, IT
- [71] ARESTRADING S.A., CH
- [85] 2022-09-09
- [86] 2021-04-01 (PCT/EP2021/058775)
- [87] (WO2021/204714)
- [30] EP (20168561.7) 2020-04-07
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- [51] Int.Cl. H04W 4/02 (2018.01) H04W  
48/08 (2009.01) H04W 48/16 (2009.01)  
H04W 4/029 (2018.01)
- [25] EN
- [54] PASSIVE SENSOR TRACKING  
USING OBSERVATIONS OF WI-FI  
ACCESS POINTS
- [54] SUIVI DE CAPTEUR PASSIF  
UTILISANT DES OBSERVATIONS  
DE POINTS D'ACCES WI-FI
- [72] CATALENA, CODY, US
- [71] TROVERLO, INC., US
- [85] 2022-09-09
- [86] 2021-03-08 (PCT/US2021/021387)
- [87] (WO2021/183447)
- [30] US (16/812,471) 2020-03-09
- [30] US (16/812,612) 2020-03-09
- [30] US (16/907,806) 2020-06-22
- [30] US (PCT/US2020/046657) 2020-08-17
- [30] US (PCT/US2020/046662) 2020-08-17
- [30] US (PCT/US2020/046667) 2020-08-17
- [30] US (17/099,749) 2020-11-16
- [30] US (17/102,151) 2020-11-23
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47/68 (2006.01) B65G 65/00 (2006.01)  
B65G 65/23 (2006.01) B65G 67/32  
(2006.01)
- [25] EN
- [54] BAGGAGE AND PARCEL  
HANDLING SYSTEM AND  
METHOD
- [54] SYSTEME ET PROCEDE DE  
GESTION DE BAGAGES ET DE  
COLIS
- [72] SWANSON, BRIAN, US
- [72] COTTLE, RICHARD, GB
- [72] WOODS, LUKE THOMAS, GB
- [72] WATT, WILLIAM EDWARD, GB
- [72] KILIBARDA, VELIBOR, US
- [72] FINZEL, BRYAN, US
- [72] TAPPO, FREDDIE, US
- [72] FRAZER, WILLIAM, US
- [72] HAMEL, KENNETH, US
- [72] KINSELLA, MARTIN, US
- [71] LEIDOS SECURITY DETECTION &  
AUTOMATON U.K. LTD, GB
- [85] 2022-09-09
- [86] 2021-03-12 (PCT/US2021/022233)
- [87] (WO2021/183968)
- [30] US (62/988,574) 2020-03-12
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- [51] Int.Cl. A61K 31/395 (2006.01) A61K  
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(2006.01) C07D 209/12 (2006.01)  
C07D 403/00 (2006.01) C07D 403/14  
(2006.01)
- [25] EN
- [54] MDM2 DEGRADERS AND USES  
THEREOF
- [54] AGENTS DE DEGRADATION DE  
MDM2 ET LEURS UTILISATIONS
- [72] JI, NAN, US
- [72] WEISS, MATTHEW M., US
- [72] ZHENG, XIAOZHANG, US
- [72] ZHU, XIAO, US
- [71] KYMERA THERAPEUTICS, INC, US
- [85] 2022-09-09
- [86] 2021-03-19 (PCT/US2021/023233)
- [87] (WO2021/188948)
- [30] US (62/991,763) 2020-03-19
- [30] US (63/123,315) 2020-12-09
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- [51] Int.Cl. C07K 16/28 (2006.01) A61K  
47/60 (2017.01) A61K 47/64 (2017.01)
- [25] EN
- [54] SHEDDING BLOCKING AGENTS  
WITH INCREASED STABILITY
- [54] AGENTS DE BLOCAGE  
PRESENTANT UNE STABILITE  
ACCRUE
- [72] HAKIM, MOTTI, IL
- [72] FRIDMAN-DROR, ANNA, IL
- [72] MANDEL, ILANA, IL
- [72] BEN-MOSHE, TEHLA, IL
- [72] SAPIR, YAIR, IL
- [72] SHULMAN, AVIDOR, IL
- [72] ZELTSBURG, LILACH CHEN, IL
- [72] LEWKOWICZ, AYALA, IL
- [71] BIOND BIOLOGICS LTD., IL
- [85] 2022-09-09
- [86] 2021-03-11 (PCT/IL2021/050271)
- [87] (WO2021/181396)
- [30] US (62/988,503) 2020-03-12
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[13] A1

- [51] Int.Cl. C05G 5/12 (2020.01)
- [25] EN
- [54] AGGLOMERATED DISPERSIBLE  
GRANULES, METHODS FOR  
AMENDING SOIL, AND  
ACTIVATED ALUMINA  
SUSPENSIONS
- [54] GRANULES DISPERSIBLES  
AGGLOMERES, PROCEDES  
POUR L'AMENDEMENT DE SOL  
ET SUSPENSIONS D'ALUMINE  
ACTIVEE
- [72] SWISHER, HUNTER R., US
- [72] WALTZ, AARON, US
- [71] PHOSPHOLUTIONS INC., US
- [85] 2022-09-09
- [86] 2021-03-09 (PCT/US2021/021510)
- [87] (WO2021/183515)
- [30] US (62/987,461) 2020-03-10
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[13] A1

- [51] Int.Cl. C07D 215/28 (2006.01)
  - [25] EN
  - [54] CRYSTAL FORM OF NITROXOLINE PRODRUG, PHARMACEUTICAL COMPOSITION CONTAINING SAME, AND PREPARATION METHOD THEREFOR AND APPLICATION THEREOF
  - [54] FORME CRISTALLINE D'UN PROMEDICAMENT DE NITROXOLINE, COMPOSITION PHARMACEUTIQUE LE CONTENANT, PROCEDE DE PREPARATION CORRESPONDANT ET UTILISATION ASSOCIEE
  - [72] WU, LIANG, CN
  - [72] ZHOU, CHEN, CN
  - [72] DENG, YIJUN, CN
  - [71] JIANGSU YAHONG MEDITECH CO., LTD., CN
  - [71] ASIERIS PHARMACEUTICALS (SHANGHAI) CO., LTD., CN
  - [85] 2022-09-09
  - [86] 2021-03-30 (PCT/CN2021/084057)
  - [87] (WO2021/197338)
  - [30] CN (202010236147.6) 2020-03-30
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[13] A1

- [51] Int.Cl. E05B 47/00 (2006.01) E05B 47/06 (2006.01) E05C 3/04 (2006.01) G07C 9/00 (2020.01)
- [25] EN
- [54] ELECTRONIC LOCK PAIRING VIA PASSCODE
- [54] APPARIEMENT DE VERROU ELECTRONIQUE PAR MOT DE PASSE
- [72] IMANUEL, DEREK, US
- [72] PASMA, KEVIN, US
- [71] SPECTRUM BRANDS, INC., US
- [85] 2022-09-09
- [86] 2021-03-05 (PCT/US2021/020999)
- [87] (WO2021/183374)
- [30] US (62/987,051) 2020-03-09

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- [51] Int.Cl. A61K 9/00 (2006.01) A61K 9/06 (2006.01) A61K 31/407 (2006.01)
  - [25] EN
  - [54] COMPOSITIONS AND METHODS FOR NALOXONE DELIVERY
  - [54] COMPOSITIONS ET METHODES D'ADMINISTRATION DE NALOXONE
  - [72] HUANG, HAIYONG HUGH, US
  - [72] SHET, MANJUNATH S., US
  - [71] PURDUE PHARMA L. P., US
  - [85] 2022-09-09
  - [86] 2021-02-26 (PCT/US2021/019902)
  - [87] (WO2021/183303)
  - [30] US (62/988,161) 2020-03-11
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- [51] Int.Cl. A47K 7/00 (2006.01) A61H 35/00 (2006.01)
  - [25] EN
  - [54] FOOT CARE EQUIPMENT
  - [54] EQUIPEMENT DE SOINS DES PIEDS
  - [72] SHARMA, MUKESH, IN
  - [71] SHARMA, MUKESH, IN
  - [85] 2022-09-09
  - [86] 2021-03-08 (PCT/IN2021/050222)
  - [87] (WO2021/181409)
  - [30] IN (202011010086) 2020-03-09
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- [51] Int.Cl. F25B 5/02 (2006.01) F25B 41/30 (2021.01) F25B 41/40 (2021.01)
- [25] EN
- [54] REFRIGERATION SYSTEM WITH FLEXIBLE HIGH PRESSURE HOSE ASSEMBLY
- [54] SYSTEME DE REFRIGERATION DOTE D'UN ENSEMBLE TUYAU FLEXIBLE HAUTE PRESSION
- [72] SHANMUGAM, SENTHILKUMAR KANDAPPA GOUDAR, US
- [71] HILL PHOENIX, INC., US
- [85] 2022-09-09
- [86] 2021-03-11 (PCT/US2021/021962)
- [87] (WO2021/183799)
- [30] US (16/817,222) 2020-03-12

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- [51] Int.Cl. A61K 9/00 (2006.01) A61K 38/17 (2006.01) A61P 27/02 (2006.01)
  - [25] EN
  - [54] NORRIN REGULATION OF PLASMALEMMA VESICLE-ASSOCIATED PROTEIN AND USE TO TREAT MACULAR DEGENERATION
  - [54] REGULATION PAR LA NORRINE DE LA PROTEINE ASSOCIEE A LA VESICULE PLASMATIQUE ET UTILISATION POUR TRAITER LA DEGENERESCENCE MACULAIRE
  - [72] DRENSER, KIMBERLY, US
  - [72] TRESE, MICHAEL T., US
  - [72] CAPONE, ANTONIO, US
  - [71] RETINAL SOLUTIONS, LLC, US
  - [85] 2022-09-09
  - [86] 2021-03-08 (PCT/US2021/021281)
  - [87] (WO2021/183407)
  - [30] US (62/986,871) 2020-03-09
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- [51] Int.Cl. A61K 31/417 (2006.01) A61K 45/06 (2006.01) A61P 25/28 (2006.01)
- [25] EN
- [54] A COMBINATION THERAPY WITH NIROGACESTAT AND A BCMA-DIRECTED THERAPY AND USES THEREOF
- [54] POLYTHERAPIE AVEC DU NIROGACESTAT ET UNE THERAPIE DIRIGEE CONTRE BCMA ET LEURS UTILISATIONS
- [72] SHEARER, TODD WEBSTER, US
- [72] EDRIS, BADREDDIN, US
- [71] SPRINGWORKS THERAPEUTICS, INC., US
- [85] 2022-09-09
- [86] 2021-03-12 (PCT/US2021/022177)
- [87] (WO2021/183934)
- [30] US (62/989,372) 2020-03-13

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- [51] Int.Cl. F41B 5/12 (2006.01) F41B 5/10 (2006.01) F41B 5/14 (2006.01)
  - [25] EN
  - [54] CROSSBOW WITH PULLEYS ATTACHED TO FRAME
  - [54] ARBALETE A POULIES FIXEES A UN CADRE
  - [72] YEHLE, CRAIG THOMAS, US
  - [71] RAVIN CROSSBOWS, LLC, US
  - [85] 2022-09-09
  - [86] 2021-03-12 (PCT/US2021/022061)
  - [87] (WO2021/183852)
  - [30] US (62/989,023) 2020-03-13
  - [30] US (17/199,000) 2021-03-11
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- [51] Int.Cl. B25J 9/16 (2006.01) B25J 15/00 (2006.01) B25J 15/06 (2006.01) B64F 1/36 (2017.01) B65G 61/00 (2006.01)
- [25] EN
- [54] BAGGAGE AND PARCEL LOADING END EFFECTORS, SYSTEM, AND METHODS OF USE
- [54] EFFECTEURS TERMINAUX DE CHARGEMENT DE BAGAGES ET DE COLIS, SYSTEME ET PROCEDES D'UTILISATION
- [72] SWANSON, BRIAN, US
- [72] KILIBARDA, VELIBOR, US
- [72] KINSELLA, MARTIN, US
- [72] FINZEL, BRYAN, US
- [72] TAPPO, FREDDIE, US
- [72] FRAZER, WILLIAM, US
- [72] HAMEL, KENNETH, US
- [71] LEIDOS SECURITY DETECTION & AUTOMATON U.K. LTD, GB
- [85] 2022-09-09
- [86] 2021-03-12 (PCT/US2021/022219)
- [87] (WO2021/183958)
- [30] US (62/988,633) 2020-03-12

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- [51] Int.Cl. H01F 27/02 (2006.01) H01F 27/06 (2006.01) H01F 27/28 (2006.01) H01F 27/32 (2006.01) H01F 37/00 (2006.01)
  - [25] EN
  - [54] INDUCTOR ASSEMBLIES AND METHODS FOR FORMING THE SAME
  - [54] ENSEMBLES INDUCTEURS ET SES PROCEDES DE FORMATION
  - [72] MARATHIAS, MEGAKLIS, GR
  - [72] FERMELIS, ELIAS, GR
  - [72] BAKATSIAS, KOSTAS, GR
  - [72] PEPPAS, GEORGE, GR
  - [72] NOUTSOS, ACHILLEAS, GR
  - [72] POLITIS, ZAFIRIS G., GR
  - [71] RAYCAP, S.A., GR
  - [85] 2022-09-09
  - [86] 2021-03-09 (PCT/EP2021/055955)
  - [87] (WO2021/180744)
  - [30] US (62/988,122) 2020-03-11
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- [51] Int.Cl. A61K 31/352 (2006.01) A61K 36/185 (2006.01) A61K 47/14 (2017.01)
- [25] EN
- [54] PROCESS FOR MAKING A WATER SOLUBLE, FULL SPECTRUM HEMP OIL
- [54] PROCEDE DE PRODUCTION D'UNE HUILE DE CHANVRE A SPECTRE COMPLET SOLUBLE DANS L'EAU
- [72] BALDI, GREGORY S., US
- [71] NORTHEAST KIND ASSETS, LLC, US
- [85] 2022-09-09
- [86] 2021-03-09 (PCT/US2021/021435)
- [87] (WO2021/183467)
- [30] US (62/986,901) 2020-03-09
- [30] US (17/195,750) 2021-03-09

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- [51] Int.Cl. A61L 2/08 (2006.01) A61L 29/00 (2006.01) A61M 25/00 (2006.01) A61M 27/00 (2006.01)
  - [25] EN
  - [54] URINARY CATHETERS WITH IMPROVED SHAPE RECOVERY AND EASE OF USE
  - [54] CATHETERS URINAIRES AYANT UNE RECOUVRANCE DE FORME ET UNE FACILITE D'UTILISATION AMELIOREES
  - [72] SELLERS, BRENT H., US
  - [72] HEALY, PAUL, US
  - [72] ARNOLD, WILLIAM K., US
  - [72] MONTES DE OCA BALDERAS, HORACIO, US
  - [71] HOLLISTER INCORPORATED, US
  - [85] 2022-09-09
  - [86] 2021-03-11 (PCT/US2021/021821)
  - [87] (WO2021/183718)
  - [30] US (62/989,277) 2020-03-13
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[13] A1

- [51] Int.Cl. C08L 71/02 (2006.01) B31F 1/26 (2006.01) C09K 5/04 (2006.01)
- [25] EN
- [54] LIQUID-LIQUID PHASE TRANSITION COMPOSITIONS AND PROCESSES
- [54] COMPOSITIONS ET PROCEDES DE TRANSITION DE PHASE LIQUIDE-LIQUIDE
- [72] NOVEK, ETHAN J., US
- [71] SOLVCOR TECHNOLOGIES, LLC., US
- [85] 2022-09-09
- [86] 2021-03-11 (PCT/US2021/021874)
- [87] (WO2021/183745)
- [30] US (62/987,972) 2020-03-11

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[13] A1

- [51] Int.Cl. G06F 40/103 (2020.01)
  - [25] EN
  - [54] METHODS AND DEVICES FOR PROVIDING SELECTABLE AND EDITABLE DYSLEXIC-FRIENDLY READABLE IMAGES
  - [54] PROCEDES ET DISPOSITIFS DE FOURNITURE D'IMAGES DE LISIBLES PAR DYSLEXIQUES POUVANT ETRE SELECTIONNEES ET EDITEES
  - [72] SUMMERBELL, HILLARY PATIENCE, US
  - [72] DUNSWORTH, JEREMY, US
  - [71] SUMMERBELL READING METHOD, LLC, US
  - [85] 2022-09-09
  - [86] 2021-03-12 (PCT/US2021/022170)
  - [87] (WO2021/183929)
  - [30] US (62/988,729) 2020-03-12
  - [30] US (63/080,714) 2020-09-19
  - [30] US (63/074,448) 2020-09-03
  - [30] US (17/062,541) 2020-10-02
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[13] A1

- [51] Int.Cl. A61C 19/06 (2006.01)
- [25] EN
- [54] INTRAORAL APPLICATOR DEVICE AND RELATED METHODS OF USE
- [54] DISPOSITIF APPLICATEUR INTRA-BUCCAL ET PROCEDES D'UTILISATION ASSOCIES
- [72] WESTRUPP, GERTRUDA HUBERTINA, NZ
- [72] BUCKLEY, PAUL FLEMING, NZ
- [71] WESTRUPP, GERTRUDA HUBERTINA, NZ
- [85] 2022-09-09
- [86] 2021-03-08 (PCT/NZ2021/050036)
- [87] (WO2021/182975)
- [30] NZ (762564) 2020-03-12

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[13] A1

- [51] Int.Cl. A61M 5/315 (2006.01)
  - [25] EN
  - [54] PLUNGER ROD AND SYRINGE INCLUDING SAME
  - [54] TIGE DE PISTON ET SERINGUE LA COMPRENANT
  - [72] PITULAT, LOIC, FR
  - [72] DUFOUR, YVES-ERIC, FR
  - [71] BECTON DICKINSON FRANCE, FR
  - [85] 2022-09-09
  - [86] 2021-03-10 (PCT/EP2021/056121)
  - [87] (WO2021/180824)
  - [30] EP (20305250.1) 2020-03-11
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[13] A1

- [51] Int.Cl. A61K 39/12 (2006.01)
- [25] EN
- [54] DELIVERY OF GENE EXPRESSION MODULATING AGENTS FOR THERAPY AGAINST CANCER AND VIRAL INFECTION
- [54] ADMINISTRATION D'AGENTS DE MODULATION D'EXPRESSION GENIQUE POUR UNE THERAPIE CONTRE LE CANCER ET L'INFECTION VIRALE
- [72] SUGAYA, KIMINOBU, US
- [72] SMITH, JONHOI, US
- [71] UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC., US
- [71] SUGAYA, KIMINOBU, US
- [71] SMITH, JONHOI, US
- [85] 2022-09-09
- [86] 2021-03-10 (PCT/US2021/021674)
- [87] (WO2021/183624)
- [30] US (62/987,483) 2020-03-10

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[13] A1

- [51] Int.Cl. B01D 5/00 (2006.01)
  - [25] EN
  - [54] HEAT PUMP-BASED WATER HARVESTING SYSTEMS, AND METHODS OF USING THEREOF
  - [54] SYSTEMES DE COLLECTE D'EAU A BASE DE POMPE A CHALEUR ET LEURS PROCEDES D'UTILISATION
  - [72] KUO, DAVID S., US
  - [72] KAPUSTIN, EUGENE A., US
  - [71] WATER HARVESTING INC., US
  - [85] 2022-09-09
  - [86] 2022-04-25 (PCT/US2022/026153)
  - [87] (3171282)
  - [30] US (63/180590) 2021-04-27
  - [30] US (17/726996) 2022-04-22
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[13] A1

- [51] Int.Cl. H05C 1/04 (2006.01)
  - [25] EN
  - [54] ELECTRIC FENCE ENERGIZERS AND METHODS FOR EARTHING SAME
  - [54] DISPOSITIFS D'EXCITATION DE CLOTURE ELECTRIQUE ET PROCEDES DE MISE A LA TERRE DE CEUX-CI
  - [72] PARKER, ANTHONY IAN, NZ
  - [72] RITCHIE, THOMAS, NZ
  - [71] GALLAGHER GROUP LIMITED, NZ
  - [85] 2022-09-09
  - [86] 2021-03-15 (PCT/NZ2021/050039)
  - [87] (WO2021/182978)
  - [30] NZ (762633) 2020-03-13
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[13] A1

- [51] Int.Cl. A24F 40/53 (2020.01) A24F 40/50 (2020.01)
- [25] EN
- [54] METHOD OF OPERATING AN AEROSOL-GENERATING DEVICE
- [54] PROCEDE DE FONCTIONNEMENT D'UN DISPOSITIF DE GENERATION D'AEROSOL
- [72] LAKRAA, KARIMA, CH
- [71] JT INTERNATIONAL SA, CH
- [85] 2022-09-09
- [86] 2021-04-20 (PCT/EP2021/060230)
- [87] (WO2021/214051)
- [30] EP (20171187.6) 2020-04-23
- [30] EP (20171186.8) 2020-04-23

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[13] A1

- [51] Int.Cl. A61K 31/352 (2006.01) A61P 7/04 (2006.01)
  - [25] EN
  - [54] MEDICAL USE OF ANYHDROICARITIN
  - [54] UTILISATION MEDICALE DE L'ANYHDROICARITIN
  - [72] ZHANG, GUIMIN, CN
  - [72] YAO, JINGCHUN, CN
  - [72] SUN, CHENGHONG, CN
  - [72] LI, BIN, CN
  - [72] PAN, SINA, CN
  - [71] LUNAN PHARMACEUTICAL GROUP CORPORATION, CN
  - [85] 2022-09-09
  - [86] 2021-03-09 (PCT/CN2021/079791)
  - [87] (WO2021/180087)
  - [30] CN (202010163676.8) 2020-03-10
  - [30] CN (202010163677.2) 2020-03-10
  - [30] CN (202010163672.X) 2020-03-10
  - [30] CN (202010163671.5) 2020-03-10
  - [30] CN (202010163055.X) 2020-03-10
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- [51] Int.Cl. A61K 39/395 (2006.01) A61K 47/64 (2017.01) A61P 35/00 (2006.01) C07K 16/30 (2006.01) G01N 33/53 (2006.01)
- [25] EN
- [54] DRUG CONJUGATES CONTAINING ALPHA-ENOLASE ANTIBODIES AND USES THEREOF
- [54] CONJUGUES MEDICAMENTEUX CONTENANT DES ANTICORPS DE L'ALPHA-ENOLASE ET LEURS UTILISATIONS
- [72] YUAN, TA-TUNG, CN
- [72] CHEN, CHI-KUAN, CN
- [72] CHEN, MAO-LIN, CN
- [71] HUNILIFE BIOTECHNOLOGY, INC., CN
- [85] 2022-09-09
- [86] 2021-05-10 (PCT/CN2021/092811)
- [87] (WO2021/228044)
- [30] US (63/022,702) 2020-05-11

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- [51] Int.Cl. B65D 71/50 (2006.01)
  - [25] EN
  - [54] ARTICLE CARRIER AND BLANK THERFOR
  - [54] SUPPORT D'ARTICLES ET EBAUCHE ASSOCIEE
  - [72] GARNIER, JEAN-MICHEL, FR
  - [72] ZACHERLE, MATTHEW E, US
  - [71] WESTROCK PACKAGING SYSTEMS, LLC, US
  - [85] 2022-09-09
  - [86] 2021-03-09 (PCT/US2021/021489)
  - [87] (WO2021/183500)
  - [30] US (62/988,142) 2020-03-11
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- [51] Int.Cl. G01F 1/66 (2022.01) G01F 15/18 (2006.01)
- [25] EN
- [54] APPARATUS AND METHOD FOR DECREASING VIBRATIONAL SENSITIVITY OF STRAIN-BASED MEASUREMENTS OF FLUID FLOW PARAMETERS FOR A FLUID FLOW WITHIN A CONDUIT
- [54] APPAREIL ET PROCEDE POUR DIMINUER LA SENSIBILITE VIBRATOIRE DE MESURES, BASEES SUR DES CONTRAINTES, DE PARAMETRES D'ECOULEMENT DE FLUIDE POUR UN ECOULEMENT DE FLUIDE A L'INTERIEUR D'UN CONDUIT
- [72] GYSLING, DANIEL, US
- [72] DRAGNEA, GABRIEL, US
- [72] SRIDHAR, SIDDESH, US
- [71] EXPRO METERS, INC., US
- [85] 2022-09-09
- [86] 2021-03-17 (PCT/US2021/022796)
- [87] (WO2021/188698)
- [30] US (16/825,559) 2020-03-20

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- [51] Int.Cl. G01N 27/06 (2006.01) G01N 27/26 (2006.01) G01N 27/28 (2006.01) G01N 27/30 (2006.01) G01N 27/327 (2006.01)
  - [25] EN
  - [54] DEVICES AND METHODS OF URINALYSIS FOR REAL-TIME MONITORING OF ORGAN HEALTH
  - [54] DISPOSITIFS ET METHODES D'ANALYSE D'URINE DESTINES A UNE SURVEILLANCE EN TEMPS REEL DE LA SANTE D'UN ORGANE
  - [72] KULKARNI, PRAJAKTA, US
  - [71] CIPO, CA
  - [71] KULKARNI, PRAJAKTA, US
  - [85] 2022-09-09
  - [86] 2021-03-10 (PCT/US2021/021763)
  - [87] (WO2021/183678)
  - [30] US (62/987,716) 2020-03-10
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- [51] Int.Cl. A24F 40/50 (2020.01) A24F 40/46 (2020.01) A24F 40/51 (2020.01) A24F 40/57 (2020.01)
- [25] EN
- [54] PROTECTION CIRCUIT MODULE AND AEROSOL GENERATING DEVICE INCLUDING THE SAME
- [54] MODULE DE CIRCUIT DE PROTECTION ET DISPOSITIF GENERATEUR D'AEROSOL LE COMPRENANT
- [72] HAN, DAENAM, KR
- [72] JANG, SEOKSU, KR
- [72] LEE, SEUNGWON, KR
- [72] YOON, SUNGWOOK, KR
- [72] KIM, YONGHWAN, KR
- [71] KT&G CORPORATION, KR
- [85] 2022-09-09
- [86] 2021-11-05 (PCT/KR2021/016008)
- [87] (WO2022/103082)
- [30] KR (10-2020-0149977) 2020-11-11

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<p style="text-align: right;"><b>[21] 3,171,293</b></p> <p style="text-align: right;">[13] A1</p> <p><b>[51] Int.Cl. H04W 4/12 (2009.01) H04W 12/033 (2021.01) H05B 1/02 (2006.01)</b></p> <p><b>[25] EN</b></p> <p><b>[54] SYSTEM AND METHOD FOR COMMUNICATING A SPORTS MESSAGE</b></p> <p><b>[54] SYSTEME ET PROCEDE DE COMMUNICATION DE MESSAGE SPORTIF</b></p> <p>[72] HERON, LANCE, CA [72] DE BEER, GERHARD, US [71] ARMILLA TECH LTD., CA [85] 2022-09-09 [86] 2021-03-10 (PCT/CA2021/050322) [87] (WO2021/179080) [30] US (62/988,123) 2020-03-11</p>
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<p style="text-align: right;"><b>[21] 3,171,294</b></p> <p style="text-align: right;">[13] A1</p> <p><b>[51] Int.Cl. C12Q 1/6881 (2018.01)</b></p> <p><b>[25] EN</b></p> <p><b>[54] MARKERS SPECIFIC FOR PLURIPOTENT STEM CELLS, AND METHODS OF USING THE SAME</b></p> <p><b>[54] MARQUEURS SPECIFIQUES DE CELLULES SOUCHE PLURIPOENTES ET LEURS PROCEDES D'UTILISATION</b></p> <p>[72] BURKE, TOM, US [72] SMITH, STEVEN, US [72] STROUSE, ANNE, US [71] FUJIFILM CORPORATION, JP [85] 2022-09-09 [86] 2021-03-09 (PCT/JP2021/009333) [87] (WO2021/182477) [30] US (62/987,016) 2020-03-09</p>
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<p style="text-align: right;"><b>[21] 3,171,295</b></p> <p style="text-align: right;">[13] A1</p> <p><b>[51] Int.Cl. G02B 6/44 (2006.01) H01B 3/00 (2006.01) H01B 7/00 (2006.01) H01B 11/02 (2006.01)</b></p> <p><b>[25] EN</b></p> <p><b>[54] CABLE SYSTEM</b></p> <p><b>[54] SYSTEME DE CABLE</b></p> <p>[72] AINGER, MICHAEL, GB [72] DIXON, MICHAEL, GB [72] KELLY, NATHAN, GB [72] STOCKTON, DAVID, GB [71] LANDWAYS MANAGEMENT LIMITED, GB [85] 2022-09-09 [86] 2021-03-11 (PCT/GB2021/050617) [87] (WO2021/181106) [30] GB (2003556.4) 2020-03-11</p>
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<p style="text-align: right;"><b>[21] 3,171,297</b></p> <p style="text-align: right;">[13] A1</p> <p><b>[51] Int.Cl. G06Q 50/16 (2012.01)</b></p> <p><b>[25] EN</b></p> <p><b>[54] SYSTEMS AND METHODS FOR RESIDENTIAL HABITABILITY SCORING AND DATA STORAGE</b></p> <p><b>[54] SYSTEMES ET PROCEDES DE NOTATION D'HABITABILITE RESIDENTIELLE ET DE MEMORISATION DE DONNEES</b></p> <p>[72] JACOBY, KATHRYN CAVANAUGH, US [71] CRIBSCORE, INC., US [85] 2022-09-09 [86] 2021-03-09 (PCT/US2021/021583) [87] (WO2021/183572) [30] US (62/987,287) 2020-03-09</p>
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<p style="text-align: right;"><b>[21] 3,171,298</b></p> <p style="text-align: right;">[13] A1</p> <p><b>[51] Int.Cl. A61B 3/16 (2006.01) A61B 8/10 (2006.01)</b></p> <p><b>[25] EN</b></p>
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<p><b>[54] METHOD AND SYSTEM FOR BIOMECHANICALLY CHARACTERISING OCULAR TISSUE THROUGH DEFORMATION THEREOF</b></p> <p><b>[54] PROCEDE ET SYSTEME POUR CARACTERISER BIOMECANIQUEMENT UN TISSU OCULAIRE PAR DEFORMATION DE CELUI-CI</b></p> <p>[72] NOLAN, ANDREW, IE [72] MCALEY, RYAN, IE [72] ALEXANDROV, SERGEY, IE [72] LEAHY, MARTIN, IE [72] BIRKENFELD, JUDITH, ES [72] CURATOLO, ANDREA, ES [72] MARCOS, SUSANA, ES [72] ELSHEIKH, AHMED, GB [72] ABASS, AHMED, GB [72] ELIASY, ASHKAN, GB [71] NATIONAL UNIVERSITY OF IRELAND, GALWAY, IE [71] CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS, ES [71] THE UNIVERSITY OF LIVERPOOL, GB [85] 2022-09-09 [86] 2021-03-11 (PCT/EP2021/056280) [87] (WO2021/180903) [30] EP (20382178.0) 2020-03-11</p>
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<p style="text-align: right;"><b>[21] 3,171,332</b></p> <p style="text-align: right;">[13] A1</p> <p><b>[51] Int.Cl. A61K 38/00 (2006.01) A61K 45/00 (2006.01) A61P 9/00 (2006.01) A61P 31/00 (2006.01) C07K 16/28 (2006.01) C07K 16/40 (2006.01) G01N 33/569 (2006.01) G01N 33/573 (2006.01)</b></p> <p><b>[25] EN</b></p> <p><b>[54] DPP3 IN PATIENTS INFECTED WITH CORONAVIRUS</b></p> <p><b>[54] DPP3 CHEZ DES PATIENTS INFECTES PAR UN CORONAVIRUS</b></p> <p>[72] BERGMANN, ANDREAS, DE [71] 4TEEN4 PHARMACEUTICALS GMBH, DE [85] 2022-09-12 [86] 2021-03-15 (PCT/EP2021/056579) [87] (WO2021/185786) [30] EP (20163419.3) 2020-03-16 [30] EP (20179763.6) 2020-06-12 [30] US (62/990,166) 2020-03-16 [30] US (63/015,205) 2020-04-24</p>
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<p style="text-align: right;"><b>[21] 3,171,336</b></p> <p style="text-align: right;">[13] A1</p> <p><b>[51] Int.Cl. A23F 5/04 (2006.01) A23N 12/08 (2006.01) A23N 12/12 (2006.01)</b></p> <p><b>[25] EN</b></p> <p><b>[54] METHOD TO ROAST COFFEE BEANS</b></p> <p><b>[54] PROCEDE DE TORREFACTION DE GRAINS DE CAFE</b></p> <p>[72] DUBIEF, FLAVIENFLORENT, CH [72] MOREND, JOEL, CH [71] SOCIETE DES PRODUITS NESTLE S.A., CH [85] 2022-09-12 [86] 2021-05-07 (PCT/EP2021/062190) [87] (WO2021/228721) [30] EP (20173946.3) 2020-05-11</p>
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[13] A1

[51] Int.Cl. A61K 31/4166 (2006.01)  
[25] EN  
[54] TARGETED DEGRADERS OF ABERRANT TAU BASED ON THE PET TRACER PBB3  
[54] AGENTS DE DEGRADATION CIBLES DE PROTEINE TAU ABERRANTE SUR LA BASE DU TRACEUR DE PET PBB3  
[72] FERGUSON, FLEUR M., US  
[72] GRAY, NATHANIEL S., US  
[72] HAGGARTY, STEPHEN J., US  
[72] TELO BAPTISTA LIMA DA SILVA, MARIA CATARINA, US  
[71] DANA-FARBER CANCER INSTITUTE, INC., US  
[71] THE GENERAL HOSPITAL CORPORATION, US  
[85] 2022-09-12  
[86] 2021-03-17 (PCT/US2021/022758)  
[87] (WO2021/188667)  
[30] US (62/991,359) 2020-03-18

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[13] A1

[51] Int.Cl. B65D 1/44 (2006.01) B65D 1/42 (2006.01)  
[25] EN  
[54] OFFSET WAVE GROOVE BOTTLE  
[54] BOUTEILLE A RAINURE D'ONDE DECALEE  
[72] HOSSAIN, NASER IMRAN, US  
[72] SHUKLA, ABHISHEK, US  
[71] NIAGARA BOTTLING, LLC, US  
[85] 2022-09-12  
[86] 2021-03-11 (PCT/US2021/021977)  
[87] (WO2021/183810)  
[30] US (62/988,003) 2020-03-11

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[13] A1

[51] Int.Cl. C08J 7/04 (2020.01)  
[25] EN  
[54] MULTILAYER FILM  
[54] FILM MULTICOUCHE  
[72] ARIMA, TOMONORI, JP  
[72] KOBAYASHI, YURI, JP  
[71] NIHON MATAI CO., LTD., JP  
[85] 2022-09-12  
[86] 2021-03-15 (PCT/JP2021/010325)  
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[30] JP (2020-058909) 2020-03-27

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[51] Int.Cl. B22F 12/41 (2021.01) B33Y 10/00 (2015.01) B33Y 30/00 (2015.01) B29C 64/153 (2017.01) B29C 64/232 (2017.01) B29C 64/30 (2017.01) B22F 10/28 (2021.01) B22F 12/00 (2021.01) B22F 12/50 (2021.01)  
[25] EN  
[54] ADDITIVE MANUFACTURING SYSTEM FOR POWDERLY STARTING MATERIAL AND METHOD FOR MANUFACTURING A COMPONENT  
[54] SYSTEME DE FABRICATION ADDITIVE POUR MATERIAU DE DEPART PULVERULENT ET PROCEDE DE FABRICATION D'UN COMPOSANT  
[72] SCHAFER, KARSTEN, DE  
[72] NIEBLING, ARNO, DE  
[72] OSMANLIC, FUAD, DE  
[71] ALD VACUUM TECHNOLOGIES GMBH, DE  
[85] 2022-09-12  
[86] 2021-02-26 (PCT/EP2021/054933)  
[87] (WO2021/219274)  
[30] DE (10 2020 111 460.5) 2020-04-27

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[51] Int.Cl. A61K 31/38 (2006.01) A61K 31/357 (2006.01) A61K 31/423 (2006.01) A61K 31/428 (2006.01) A61K 31/635 (2006.01) A61P 31/18 (2006.01) C07D 493/04 (2006.01) C07D 493/14 (2006.01)  
[25] EN  
[54] TRICYCLIC P2-LIGAND CONTAINING POTENT HIV-PROTEASE INHIBITORS  
[54] INHIBITEURS PUISSANTS DE LA PROTEASE DU VIH CONTENANT UN LIGAND P2 TRICYCLIQUE  
[72] GHOSH, ARUN K., US  
[72] KOVELA, SATISH, US  
[72] MITSUYA, HIROAKI, JP  
[71] PURDUE RESEARCH FOUNDATION, US  
[85] 2022-09-12  
[86] 2021-01-18 (PCT/US2021/013821)  
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[30] US (62/991,391) 2020-03-18

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[13] A1

[51] Int.Cl. A61B 5/20 (2006.01) A61G 7/00 (2006.01) A61G 7/005 (2006.01) A61G 7/05 (2006.01) A61G 12/00 (2006.01)  
[25] EN  
[54] PATIENT SUPPORT APPARATUSES WITH HEADWALL COMMUNICATION  
[54] APPAREILS DE SUPPORT POUR PATIENT AVEC COMMUNICATION DE TETE DE LIT  
[72] BODURKA, ALEXANDER JOSEF, US  
[72] TREPANIER, JERALD A., US  
[72] DEEDS, THOMAS, US  
[72] THOTA, MADHU SANDEEP, US  
[72] NIBAKUZE, PLACIDE, US  
[71] STRYKER CORPORATION, US  
[85] 2022-09-12  
[86] 2021-05-14 (PCT/US2021/032426)  
[87] (WO2021/236437)  
[30] US (63/026,937) 2020-05-19

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[13] A1

[51] Int.Cl. C07D 403/04 (2006.01) A61K 31/558 (2006.01) C07D 419/04 (2006.01) C07D 471/04 (2006.01) C07D 491/052 (2006.01)  
[25] EN  
[54] PYRIMIDOHETEROCYCLIC COMPOUNDS AND APPLICATION THEREOF  
[54] COMPOSES PYRIMIDOHETEROCYCLIQUES ET LEUR APPLICATION  
[72] ZHANG, YANG, CN  
[72] WU, WENTAO, CN  
[72] SUN, JIKUI, CN  
[72] XU, YANGYANG, CN  
[72] CHEN, SHUHUI, CN  
[72] ZHANG, JING, CN  
[72] JIN, JOHN FENYU, CN  
[72] CHEN, ZHIJIAN, CN  
[71] D3 BIO(WUXI) CO., LTD, CN  
[85] 2022-09-12  
[86] 2021-03-11 (PCT/CN2021/080278)  
[87] (WO2021/180181)  
[30] CN (202010172140.2) 2020-03-12  
[30] CN (202010323035.4) 2020-04-22  
[30] CN (202010953203.8) 2020-09-11  
[30] CN (202011593642.9) 2020-12-29

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<p>[21] 3,171,367 [13] A1</p> <p>[51] Int.Cl. A61K 31/10 (2006.01) C07D 333/50 (2006.01)</p> <p>[25] EN</p> <p>[54] METHODS FOR TREATING FIBROSIS USING PKM2 ACTIVATORS</p> <p>[54] METHODES DE TRAITEMENT DE LA FIBROSE AU MOYEN D'ACTIVATEURS DE PKM2</p> <p>[72] LIU, ZHI-REN, US</p> <p>[72] SATYANARAYANA, GANESH, US</p> <p>[71] PRODA BIOTECH L.L.C., US</p> <p>[85] 2022-09-12</p> <p>[86] 2021-03-11 (PCT/US2021/022009)</p> <p>[87] (WO2021/183830)</p>
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<p>[21] 3,171,368 [13] A1</p> <p>[51] Int.Cl. H04S 1/00 (2006.01) H04S 3/00 (2006.01)</p> <p>[25] EN</p> <p>[54] APPARATUS AND METHOD FOR SYNTHESIZING A SPATIALLY EXTENDED SOUND SOURCE USING CUE INFORMATION ITEMS</p> <p>[54] APPAREIL ET PROCEDE DE SYNTHESE D'UNE SOURCE SONORE ETENDUE SPATIALEMENT A L'AIDE D'ELEMENTS D'INFORMATIONS DE REPERE</p> <p>[72] HERRE, JUERGEN, DE</p> <p>[72] ADAMI, ALEXANDER, DE</p> <p>[72] ANEMUELLER, CARLOTTA, DE</p> <p>[71] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE</p> <p>[85] 2022-09-12</p> <p>[86] 2021-03-12 (PCT/EP2021/056358)</p> <p>[87] (WO2021/180935)</p> <p>[30] EP (20163159.5) 2020-03-13</p>
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<p>[21] 3,171,373 [13] A1</p> <p>[51] Int.Cl. A61B 5/00 (2006.01) A61B 5/11 (2006.01)</p> <p>[25] EN</p> <p>[54] PATIENT SUPPORT APPARATUS WITH AUTOMATIC EXIT DETECTION MODES OF OPERATION</p> <p>[54] APPAREIL DE SUPPORT DE PATIENT AVEC MODES DE FONCTIONNEMENT DE DETECTION DE SORTIE AUTOMATIQUE</p> <p>[72] SUKUMARAN, SUJAY, US</p> <p>[72] BHIMAVARAPU, KRISHNA SANDEEP, US</p> <p>[72] PEREIRA, CELSO HENRIQUE FARNESE PIRES, US</p> <p>[72] SERTIC, GRADY, US</p> <p>[72] NIBAKUZE, PLACIDE, US</p> <p>[72] PAUL, ANISH, US</p> <p>[71] STRYKER CORPORATION, US</p> <p>[85] 2022-09-12</p> <p>[86] 2021-05-13 (PCT/US2021/032141)</p> <p>[87] (WO2021/231674)</p> <p>[30] US (63/024,066) 2020-05-13</p> <p>[30] US (17/318,476) 2021-05-12</p>
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<p>[21] 3,171,376 [13] A1</p> <p>[51] Int.Cl. B02C 15/00 (2006.01) C09C 1/62 (2006.01) C09C 1/64 (2006.01)</p> <p>[25] EN</p> <p>[54] APPARATUS FOR MAKING FLAKES</p> <p>[54] APPAREIL DE FABRICATION DE FLOCONS</p> <p>[72] LANDA, BENZION, IL</p> <p>[72] FEFFERMAN, GUY, IL</p> <p>[72] YAKHEL, VADIM, IL</p> <p>[72] SHACHAK, YOSEF, IL</p> <p>[72] RABINOVICH, VIACHESLAV, IL</p> <p>[72] LEVIN, ALEKSEY ELISHA, IL</p> <p>[71] LANDA LABS (2012) LTD, IL</p> <p>[85] 2022-09-12</p> <p>[86] 2021-04-01 (PCT/IB2021/052742)</p> <p>[87] (WO2021/198975)</p> <p>[30] GB (2004904.5) 2020-04-02</p>
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- [25] EN
- [54] METHOD FOR PRODUCING AN ALUMINIUM ALLOY PART
- [54] PROCEDE DE FABRICATION D'UNE PIECE EN ALLIAGE D'ALUMINIUM
- [72] CHEHAB, BECHIR, FR
- [72] SHAHANI, RAVI, FR
- [71] C-TEC CONSTELLIUM TECHNOLOGY CENTER, FR
- [85] 2022-09-12
- [86] 2021-05-10 (PCT/FR2021/050800)
- [87] (WO2021/156582)
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- [25] EN
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- [54] APPAREIL DE SUPPORT DE PATIENT AVEC COMMANDE D'AFFICHAGE AUTOMATIQUE
- [72] LEE, FRANK J., US
- [72] CONNELL, JASON JOHN, CA
- [72] BHIMAVARAPU, KRISHNA SANDEEP, US
- [72] NAHAVANDI, KUROSH, US
- [72] HAYES, MICHAEL JOSEPH, US
- [71] STRYKER CORPORATION, US
- [85] 2022-09-12
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- [87] (WO2021/242600)
- [30] US (63/031,973) 2020-05-29

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- [25] EN
- [54] METHOD FOR MAKING FLAKES
- [54] PROCEDE DE PRODUCTION DE FLOCONS
- [72] LANDA, BENZION, IL
- [72] FEFFERMAN, GUY, IL
- [72] ASHER, TAMAR, IL
- [72] YAKHEL, VADIM, IL
- [72] SHACHAK, YOSEF, IL
- [72] RABINOVICH, VIACHESLAV, IL
- [72] LEVIN, ALEKSEY ELISHA, IL
- [71] LANDA LABS (2012) LTD, IL
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- [25] EN
- [54] METHODS AND DEVICES FOR UPDATING DATA TRANSMISSION DURING INTER-DONOR MIGRATION
- [54] PROCEDES ET DISPOSITIFS DE MISE A JOUR D'UNE TRANSMISSION DE DONNEES PENDANT UNE MIGRATION INTER-DONNEURS
- [72] ZHU, HAO, CN
- [72] HUANG, YING, CN
- [72] CHEN, LIN, CN
- [72] WANG, LIPING, CN
- [72] CAO, KUN, CN
- [71] ZTE CORPORATION, CN
- [85] 2022-09-12
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- [54] SURFACE CLEANING APPARATUS WITH REMOVABLE AIR TREATMENT MEMBER ASSEMBLY
- [54] APPAREIL DE NETTOYAGE DE SURFACE AVEC ENSEMBLE ELEMENT DE TRAITEMENT D'AIR AMOVIBLE
- [72] CONRAD, WAYNE ERNEST, CA
- [71] OMACHRON INTELLECTUAL PROPERTY INC., CA
- [85] 2022-09-12
- [86] 2021-03-17 (PCT/CA2021/050352)
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- [30] US (16/822,708) 2020-03-18
- [30] US (16/823,191) 2020-03-18
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- [25] EN
- [54] PATIENT SUPPORT APPARATUS FOR SENSING AND RESPONDING TO AN EMERGENCY EVENT
- [54] APPAREIL DE SUPPORT DE PATIENT POUR DETECTER ET REPONDRE A UN EVENEMENT D'URGENCE
- [72] THOTA, MADHU SANDEEP, US
- [72] BAKER, CHARLES DONALD JR., US
- [71] STRYKER CORPORATION, US
- [85] 2022-09-12
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[54] SYSTEME D'ASSISTANCE AU SOIGNANT  
[72] NAVE, ROSS MICHAEL, US  
[72] DURLACH, THOMAS JOSEPH, US  
[72] MACK, JOHN A., US  
[71] STRYKER CORPORATION, US  
[85] 2022-09-12  
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[25] EN  
[54] FLEXIBLE PRINTED CIRCUIT BOARD HAVING A BATTERY MOUNTED THERETO  
[54] CARTE DE CIRCUIT IMPRIME SOUPLE AYANT UNE BATTERIE MONTEE SUR CETTE DERNIERE  
[72] GOFMAN, IGOR Y., US  
[71] ASCENSIA DIABETES CARE HOLDINGS AG, CH  
[85] 2022-09-12  
[86] 2021-03-12 (PCT/EP2021/056320)  
[87] (WO2021/180917)  
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[54] COMPOSITIONS D'EDULCORANT A BASE DE REBAUDIOSIDE M  
[72] HERRMANN, STANLEY W., US  
[72] BHATTACHARJEE, BINITA, US  
[72] JENKINS, RHODRI, US  
[72] YIP, BRIAN, US  
[72] WOO, ALEX, US  
[71] AMYRIS, INC., US  
[85] 2022-09-12  
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[25] EN  
[54] MEASUREMENT SYSTEMS AND ASSOCIATED TECHNIQUES FOR SENSING ELECTRICAL CHARACTERISTICS OF A SENSOR  
[54] SYSTEMES DE MESURE ET TECHNIQUES ASSOCIEES DE DETECTION DE CARACTERISTIQUES ELECTRIQUES D'UN CAPTEUR  
[72] DRYGA, SERGEY A., US  
[72] MCMILLAN, JONATHON D., US  
[71] NANODX, INC., US  
[85] 2022-09-12  
[86] 2021-03-16 (PCT/US2021/022539)  
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[54] METHODS AND DEVICES FOR MANAGING TRANSMISSION ON SHARED SPECTRUM CHANNEL  
[54] PROCEDES ET DISPOSITIFS DE GESTION DE TRANSMISSION SUR UN CANAL A SPECTRE PARTAGE  
[72] DONG, FEI, CN  
[72] HUANG, HE, CN  
[71] ZTE CORPORATION, CN  
[85] 2022-09-12  
[86] 2020-08-06 (PCT/CN2020/107520)  
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[54] PROCEDES OPTIMISES DE CLIVAGE DE SEQUENCES CIBLES  
[72] RUSSELL, IAIN ALASDAIR, GB  
[71] CANCER RESEARCH TECHNOLOGY LIMITED, GB  
[85] 2022-09-12  
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[25] EN  
[54] APPARATUS FOR COATING A SURFACE WITH INDIVIDUAL PARTICLES  
[54] APPAREIL PERMETTANT DE REVETIR UNE SURFACE DE PARTICULES INDIVIDUELLES  
[72] AZAR, SASY, IL  
[72] LANDA, BENZION, IL  
[72] SHACHAK, YOSEF, IL  
[72] RUBIN BEN HAIM, NIR, IL  
[71] LANDA LABS (2012) LTD., IL  
[85] 2022-09-12  
[86] 2021-04-02 (PCT/IB2021/052775)  
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[30] GB (2020721.3) 2020-12-30
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[13] A1

- [51] Int.Cl. A61K 39/39 (2006.01) A61P 37/02 (2006.01) A61P 37/04 (2006.01)  
[25] EN  
[54] DETOXIFIED LIPOPOLYSACCHARIDES (LPS), NATURALLY NON-TOXIC LPS, AND USES THEREOF  
[54] LIPOPOLYSACCHARIDES (LPS) DETOXIFIEES, LPS NATURELLEMENT NON TOXIQUES, ET LEURS UTILISATIONS  
[72] CAROFF, MARTINE, FR  
[72] NOVIKOV, ALEXEY, FR  
[71] HEPHAISTOS-PHARMA, FR  
[85] 2022-09-12  
[86] 2021-03-12 (PCT/EP2021/056428)  
[87] (WO2021/180972)  
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  - [25] EN
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  - [54] DISPOSITIFS DE CANULE EXPANSIBLE RADIALEMENT ET SYSTEMES ET PROCEDES D'UTILISATION DE CEUX-CI
  - [72] ATTO, ZAID, CA
  - [72] MANGET, AMANDA, CA
  - [72] KREMER, SHANNON, CA
  - [71] XPAN INC., CA
  - [85] 2022-09-12
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  - [87] (WO2021/181164)
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- [25] EN
- [54] SYSTEMS, METHODS, AND DEVICES FOR EX VIVO ANALYSIS OF RESECTED TISSUE SAMPLES
- [54] SYSTEMES, PROCEDES ET DISPOSITIFS D'ANALYSE EX VIVO D'ECHANTILLONS DE TISSU RESEQUES
- [72] HERNANDEZ, JONATHAN MATTHEW, US
- [72] POHIDA, THOMAS J., US
- [72] GARMENDIA, MARCIAL ANTONIO, US
- [72] RUFF, SAMANTHA MARILYN, US
- [72] WACH, MICHAEL MARTIN, US
- [72] GUPTA, SHREYA, US
- [72] MCDONALD, JAMES, US
- [72] REMMERT, KIRSTEN, US
- [72] ROSSI, ALEXANDER JOSEPH, US
- [71] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US
- [85] 2022-09-12
- [86] 2021-03-09 (PCT/US2021/021525)
- [87] (WO2021/183527)
- [30] US (62/988,783) 2020-03-12

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  - [25] EN
  - [54] ABLATION PROBE SYSTEMS
  - [54] SYSTEMES DE SONDE D'ABLATION
  - [72] COLBY, LEIGH E., US
  - [71] TRIAGENICS, INC., US
  - [85] 2022-09-12
  - [86] 2020-10-26 (PCT/US2020/057383)
  - [87] (WO2022/093177)
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- [51] Int.Cl. C12Q 1/02 (2006.01) C12Q 1/24 (2006.01)
  - [25] EN
  - [54] METHOD AND DEVICE FOR ENRICHING AND DETECTING MICROORGANISMS IN BIOLOGICAL SAMPLES
  - [54] PROCEDE ET DISPOSITIF POUR L'ENRICHISSEMENT ET LA DETECTION DE MICRO-ORGANISMES DANS DES ECHANTILLONS BIOLOGIQUES
  - [72] CHANG, YUNG, CN
  - [72] WU, MENGCHU, CN
  - [72] JHONG, JHENG-FONG, CN
  - [72] CHEN, YAN-WEN, CN
  - [72] HUNG, HAU, CN
  - [71] MICRONBRANE MEDICAL CO., LTD., CN
  - [85] 2022-09-12
  - [86] 2021-03-15 (PCT/CN2021/080829)
  - [87] (WO2021/190340)
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- [25] EN
- [54] DEVICE FOR PICKING AND/OR DEPOSITING ITEMS FOR AUTOMATED WAREHOUSES
- [54] DISPOSITIF DE PRELEVEMENT ET/OU DE DEPOT D'ARTICLES POUR ENTREPOTS AUTOMATISES
- [72] DEL POPOLO, PAOLO, IT
- [72] COMOTTI, ENRICO, IT
- [71] AUTOMHA S.P.A., IT
- [85] 2022-09-12
- [86] 2021-03-17 (PCT/IB2021/052221)
- [87] (WO2021/186358)
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  - [25] EN
  - [54] APPARATUS FOR COATING A SURFACE WITH PARTICLES
  - [54] APPAREIL DE REVETEMENT D'UNE SURFACE AVEC DES PARTICULES
  - [72] AZAR, SASY, IL
  - [72] LANDA, BENZION, IL
  - [72] SHACHAK, YOSEF, IL
  - [71] LANDA LABS (2012) LTD., IL
  - [85] 2022-09-12
  - [86] 2021-04-02 (PCT/IB2021/052774)
  - [87] (WO2021/205304)
  - [30] GB (2005159.5) 2020-04-07
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- [25] EN
- [54] BIOFILM-ENHANCED TEXTILE AND METHODS FOR MANUFACTURING THEREOF
- [54] TEXTILE A BIOFILM AMELIORE ET PROCEDES DE FABRICATION DE CELUI-CI
- [72] WAN, LYNN YUQIN, CA
- [72] GATHERCOLE, ROBERT JOHN, CA
- [72] MOSER, FELIX, CA
- [72] COURCHESNE, NOEMIE-MANUELLE DORVAL, CA
- [72] SALDANHA, DALIA JANE, CA
- [72] ADBALI, ZAHRA, CA
- [72] CAI, ANQI, CA
- [72] AMINZARE, MASOUD, CA
- [71] LULULEMON ATHLETICA CANADA INC., CA
- [85] 2022-09-12
- [86] 2021-03-31 (PCT/CA2021/050437)
- [87] (WO2021/195776)
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[51] Int.Cl. F03B 13/18 (2006.01)
[25] EN
<b>[54] AN APPARATUS AND A METHOD FOR HARVESTING ENERGY FROM OCEAN WAVES</b>
<b>[54] APPAREIL ET PROCEDE DE RECUPERATION D'ENERGIE A PARTIR DE VAGUES OCEANIQUES</b>
[72] MOEN, LYDER, NO
[71] OCEAN ENERGIES AS, NO
[85] 2022-09-12
[86] 2021-03-24 (PCT/NO2021/050077)
[87] (WO2021/194351)
[30] NO (20200363) 2020-03-26

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[51] Int.Cl. A61K 31/4365 (2006.01) A61P 13/12 (2006.01)
[25] EN
<b>[54] USE OF A THIENOPYRIDONE DERIVATIVE IN THE TREATMENT OF AUTOSOMAL DOMINANT POLYCYSTIC KIDNEY DISEASE (ADPKD)</b>
<b>[54] UTILISATION D'UN DERIVE DE THIENOPYRIDONE DANS LE TRAITEMENT DE LA POLYKYSTOSE RENALE AUTOSOMIQUE DOMINANTE (ADPKD)</b>
[72] BOLZE, SEBASTIEN, FR
[72] FOUQUERAY, PASCALE, CH
[72] HALLAKOU-BOZEC, SOPHIE, FR
[71] POXEL, FR
[85] 2022-09-12
[86] 2021-04-02 (PCT/EP2021/058792)
[87] (WO2021/198506)
[30] EP (20167687.1) 2020-04-02

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[51] Int.Cl. A61F 9/007 (2006.01)
[25] EN
<b>[54] APPARATUS AND METHOD FOR SECURING OCULAR TISSUE AND PROVIDING SURGICAL TOOL POSITIONING POINTS</b>
<b>[54] APPAREIL ET PROCEDE POUR FIXER UN TISSU OCULAIRE ET FOURNIR DES POINTS DE POSITIONNEMENT D'OUTIL CHIRURGICAL</b>
[72] OZINGA, DAVID G., US
[71] REFOCUS GROUP, INC., US
[85] 2022-09-12
[86] 2021-02-23 (PCT/US2021/019233)
[87] (WO2021/236186)
[30] US (16/876,642) 2020-05-18

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[51] Int.Cl. H01M 8/18 (2006.01) H01M 10/42 (2006.01) H01M 10/44 (2006.01) H02J 7/00 (2006.01)
[25] EN
<b>[54] REDOX FLOW BATTERY SYSTEM AND OPERATING METHOD</b>
<b>[54] PROCEDE DE FONCTIONNEMENT ET SYSTEME DE BATTERIE A FLUX REDOX</b>
[72] LUTH, THOMAS, DE
[71] VOITH PATENT GMBH, DE
[85] 2022-09-12
[86] 2021-03-10 (PCT/EP2021/056031)
[87] (WO2021/190928)
[30] DE (10 2020 108 068.9) 2020-03-24

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[51] Int.Cl. A61M 16/00 (2006.01) A61M 16/12 (2006.01) A61M 16/20 (2006.01)
[25] EN
<b>[54] MODULAR VENTILATION SYSTEM FOR TIME CONTROLLED ADAPTIVE VENTILATION</b>
<b>[54] SYSTEME DE VENTILATION MODULAIRE POUR VENTILATION ADAPTATIVE COMMANDEE DANS LE TEMPS</b>
[72] HABASHI, NADER M., US
[71] HABASHI, NADER M., US
[85] 2022-09-12
[86] 2021-03-25 (PCT/US2021/024258)
[87] (WO2021/195449)
[30] US (62/994,285) 2020-03-25
[30] US (63/002,349) 2020-03-30

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[51] Int.Cl. A23L 33/105 (2016.01)
[25] EN
<b>[54] COMPOSITE, PROCESS FOR PREPARING THE COMPOSITE, AND IMPLEMENTATION THEREOF</b>
<b>[54] COMPOSITE, PROCEDE DE PREPARATION DU COMPOSITE ET SA MISE EN ?UVRE</b>
[72] AYYAKKALAI, BALAMURUGAN, IN
[72] VANTHARAM VENKATA, HEMANTH GIRI RAO, IN
[72] NORI, SRI SAILAJA, IN
[72] SURYANARAYAN, SHRIKUMAR, IN
[72] RAMESH, PRANEETH SRIVANTH, IN
[71] SEA6 ENERGY PVT. LTD., IN
[85] 2022-09-12
[86] 2021-03-19 (PCT/IN2021/050288)
[87] (WO2021/186477)
[30] IN (202041011997) 2020-03-19

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[51] Int.Cl. A61M 5/178 (2006.01) A61M 5/31 (2006.01)
[25] EN
<b>[54] SYRINGES CONTAINING PHARMACEUTICAL COMPOSITIONS COMPRISING RNA</b>
<b>[54] SERINGUES CONTENANT DES COMPOSITIONS PHARMACEUTIQUES COMPRENANT DE L'ARN</b>
[72] SCHWENGER, ALEXANDER, DE
[72] ARNOLD, STEFAN, DE
[72] HEINZ, STEFAN, DE
[72] ROOS, TILMAN, DE
[72] WEIK, SANDRA, DE
[72] KROONEN, RONJA-KATHARINA, DE
[71] CUREVAC AG, DE
[85] 2022-09-12
[86] 2022-03-31 (PCT/EP2022/058690)
[87] (3171429)
[30] EP (PCT/EP2021/058486) 2021-03-31

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- [25] EN
- [54] **GPX4 COMPOUNDS AND COMPOSITIONS AND METHODS OF TREATMENT USING SAME**
- [54] **COMPOSES GPX4 ET COMPOSITIONS ET PROCEDES DE TRAITEMENT LES UTILISANT**
- [72] STOCKWELL, BRENT R., US
- [72] LIU, HENGRIUI, US
- [72] FOROUHAR, FARHAD, US
- [72] WANG, QIAN, US
- [71] THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK, US
- [85] 2022-09-12
- [86] 2021-03-12 (PCT/US2021/022143)
- [87] (WO2021/183908)
- [30] US (62/989,425) 2020-03-13
- [30] US (63/122,143) 2020-12-07

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[13] A1

- [51] Int.Cl. A61K 35/28 (2015.01) A61K 48/00 (2006.01) C12N 15/11 (2006.01) C12N 15/63 (2006.01) C12N 15/86 (2006.01)
- [25] EN
- [54] **METHODS OF TREATING MITOCHONDRIAL DISORDERS**
- [54] **METHODES DE TRAITEMENT DE TROUBLES MITOCHONDRIAUX**
- [72] CHERQUI, STEPHANIE, US
- [71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
- [85] 2022-09-12
- [86] 2021-03-11 (PCT/US2021/021850)
- [87] (WO2021/188349)
- [30] US (16/820,368) 2020-03-16

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[13] A1

- [51] Int.Cl. A61K 31/704 (2006.01)
- [25] EN
- [54] **TARGETED NANOBUBBLE THERAPY**
- [54] **THERAPIE CIBLEE A BASE DE NANOBULLES**
- [72] EXNER, AGATA, US
- [72] BASILION, JAMES, US
- [72] KOLIOS, MICHAEL, US
- [72] DELEON, AL, US
- [72] PERERA, RESHANI, US
- [72] SOJARHOOD, AMIN JAFARI, US
- [71] CASE WESTERN RESERVE UNIVERSITY, US
- [85] 2022-09-12
- [86] 2021-03-12 (PCT/US2021/022172)
- [87] (WO2021/183931)
- [30] US (62/988,832) 2020-03-12

**[21] 3,171,435**  
[13] A1

- [51] Int.Cl. B01J 27/02 (2006.01) B01J 27/182 (2006.01)
- [25] EN
- [54] **INORGANIC SOLID SILICON-BASED SULFONIC ACID AND/OR PHOSPHORIC ACID CATALYST, PREPARATION METHOD THEREFOR, AND APPLICATION THEREOF**
- [54] **CATALYSEUR SOLIDE INORGANIQUE D'ACIDE SULFONIQUE ET/OU D'ACIDE PHOSPHORIQUE A BASE DE SILICIUM, SON PROCEDE DE PREPARATION ET SON APPLICATION**
- [72] LUO, HEAN, CN
- [72] YOU, KUIYI, CN
- [72] ZENG, YIBAI, CN
- [72] WEN, JINGBIN, CN
- [72] ZHANG, YAQING, CN
- [72] YUAN, XINYA, CN
- [72] AI, QIUHONG, CN
- [71] XIANGTAN UNIVERSITY, CN
- [85] 2022-09-12
- [86] 2020-06-09 (PCT/CN2020/095190)
- [87] (WO2021/179458)
- [30] CN (202010177579.4) 2020-03-13

**[21] 3,171,436**  
[13] A1

- [51] Int.Cl. C12N 15/113 (2010.01) A61K 31/7088 (2006.01) A61P 21/00 (2006.01)
- [25] EN
- [54] **ANTISENSE SEQUENCES FOR TREATING AMYOTROPHIC LATERAL SCLEROSIS**
- [54] **SEQUENCES ANTISENS POUR LE TRAITEMENT DE LA SCLEROSE LATÉRALE AMYOTROPHIQUE**
- [72] BIFERI, MARIA-GRAZIA, FR
- [72] CAPPELLA, MARISA, FR
- [72] BARKATS, MARTINE, FR
- [71] ASSOCIATION INSTITUT DE MYOLOGIE, FR
- [71] INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE), FR
- [71] SARBONNE UNIVERSITE, FR
- [85] 2022-09-12
- [86] 2021-04-09 (PCT/EP2021/059313)
- [87] (WO2021/205005)
- [30] EP (20169064.1) 2020-04-09

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<p>[21] 3,171,437 [13] A1</p> <p>[51] Int.Cl. A23J 1/00 (2006.01) A23J 3/22 (2006.01)</p> <p>[25] EN</p> <p>[54] PACKED TEXTURIZED PROTEIN UNITS AND USES THEREOF</p> <p>[54] UNITES PROTEIQUES TEXTUREES EMBALLEES ET LEURS UTILISATIONS</p> <p>[72] MANDELIK, DANIEL, IL</p> <p>[72] DIKOVSKY, DANIEL, IL</p> <p>[71] REDEFINE MEAT LTD., IL</p> <p>[85] 2022-09-12</p> <p>[86] 2021-03-24 (PCT/IL2021/050333)</p> <p>[87] (WO2021/191906)</p> <p>[30] IL (273546) 2020-03-24</p>
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<p>[21] 3,171,439 [13] A1</p> <p>[51] Int.Cl. C08G 18/66 (2006.01) C08G 18/32 (2006.01) C08G 18/42 (2006.01) C08G 18/46 (2006.01) C08L 75/06 (2006.01)</p> <p>[25] EN</p> <p>[54] THERMOPLASTIC POLYURETHANE COMPOSITIONS COMPRISING NITRO-SUBSTITUTED POLYESTER DIOLS</p> <p>[54] COMPOSITIONS DE POLYURETHANE THERMOPLASTIQUE COMPRENANT DES POLYESTERDIOLS A SUBSTITUTION NITRO</p> <p>[72] KNAUER, KATRINA MARIE, US</p> <p>[72] LE ROY, JENNIFER, US</p> <p>[72] PRATT, RUSSELL CLAYTON, US</p> <p>[72] PILSK, DAVID SAMUEL, US</p> <p>[72] HIGGINSON, CODY JAMES, US</p> <p>[71] BIOCELLLECTION INC., US</p> <p>[85] 2022-09-12</p> <p>[86] 2021-03-12 (PCT/US2021/022101)</p> <p>[87] (WO2021/183883)</p> <p>[30] US (62/989,098) 2020-03-13</p> <p>[30] US (16/985,009) 2020-08-04</p>
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<p>[21] 3,171,440 [13] A1</p> <p>[51] Int.Cl. F01N 3/037 (2006.01) F01N 3/02 (2006.01) F01N 3/038 (2006.01) F01P 3/12 (2006.01) F01P 3/20 (2006.01)</p> <p>[25] EN</p> <p>[54] SYSTEM FOR EXHAUST GAS PURIFICATION OF ENDOOTHERMIC ENGINES</p> <p>[54] SYSTEME DE PURIFICATION DE GAZ D'ECHAPPEMENT DE MOTEURS A COMBUSTION INTERNE</p> <p>[72] ROSSI, GIULIO, IT</p> <p>[71] RHAPIS S.R.L, IT</p> <p>[85] 2022-09-12</p> <p>[86] 2021-03-31 (PCT/IB2021/052681)</p> <p>[87] (WO2021/198943)</p> <p>[30] IT (102020000006682) 2020-03-31</p>
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<p>[21] 3,171,442 [13] A1</p> <p>[51] Int.Cl. H01M 8/249 (2016.01) H01M 8/0267 (2016.01) H01M 8/1067 (2016.01) H01M 8/2465 (2016.01) H01M 8/2484 (2016.01) H01M 8/10 (2016.01)</p> <p>[25] EN</p> <p>[54] FUEL CELL AND MANIFOLD FOR FUEL CELL</p> <p>[54]</p> <p>[72] KANO, AKIO, JP</p> <p>[71] KABUSHIKI KAISHA TOSHIBA, JP</p> <p>[71] TOSHIBA ENERGY SYSTEMS &amp; SOLUTIONS CORPORATION, JP</p> <p>[85] 2022-09-12</p> <p>[86] 2021-05-20 (PCT/JP2021/019257)</p> <p>[87] (WO2021/241414)</p> <p>[30] JP (2020-091689) 2020-05-26</p>
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<p>[21] 3,171,441 [13] A1</p> <p>[51] Int.Cl. C07D 471/04 (2006.01) A61K 31/4375 (2006.01) A61P 25/18 (2006.01) A61P 25/28 (2006.01) C07D 401/04 (2006.01) C07D 487/04 (2006.01)</p> <p>[25] EN</p> <p>[54] NAPHTHYRIDINE AND PYRIDO[3,4-C]PYRIDAZINE DERIVATIVES AS GABA<sub>A</sub> _ALPHA_5 RECEPTOR MODULATORS</p> <p>[54] DERIVES DE NAPHTHYRIDINE ET DE PYRIDO[3,4-C]PYRIDAZINE SERVANT DE MODULATEURS DU RECEPTEUR GABA<sub>A</sub> ?5</p> <p>[72] SZABO, GYORGY, HU</p> <p>[72] POTOR, ATTILA, HU</p> <p>[72] VAGO, ISTVAN, HU</p> <p>[72] TUROS, GYORGY ISTVAN, HU</p> <p>[72] ELIAS, OLIVER, HU</p> <p>[72] KAPUS, GABOR LASZLO, HU</p> <p>[71] RICHTER GEDEON NYRT., HU</p> <p>[85] 2022-09-12</p> <p>[86] 2021-03-25 (PCT/IB2021/052486)</p> <p>[87] (WO2021/191838)</p> <p>[30] HU (P2000113) 2020-03-26</p>
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<p>[21] 3,171,443 [13] A1</p> <p>[51] Int.Cl. G01S 5/00 (2006.01)</p> <p>[25] EN</p> <p>[54] HYPER-ACCURATE OBJECT-POSITIONING SYSTEM AND METHOD OF SELF-LOCALIZATION USING SAME</p> <p>[54] SYSTEME DE POSITIONNEMENT D'OBJET HYPER PRECIS ET PROCEDE DE LOCALISATION AUTOMATIQUE UTILISANT CE DERNIER</p> <p>[72] LOWE, MATTHEW WILLIAM, CA</p> <p>[72] GAO, GUOJIANG, CA</p> <p>[72] LESKIW, CHRIS, CA</p> <p>[71] ZEROKEY INC., CA</p> <p>[85] 2022-09-12</p> <p>[86] 2021-03-12 (PCT/CA2021/050338)</p> <p>[87] (WO2021/179093)</p> <p>[30] US (62/988,833) 2020-03-12</p>
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<p>[21] 3,171,444 [13] A1</p> <p>[51] Int.Cl. F24F 13/24 (2006.01)</p> <p>[25] EN</p> <p>[54] AIR HANDLING UNIT COMPRISING FLOW GUIDING STATOR DISC</p> <p>[54] UNITE DE TRAITEMENT D'AIR DOTEE DE DISQUE DE STATOR DE GUIDAGE D'ECOULEMENT</p> <p>[72] OTTERSTEN, MARTIN, SE</p> <p>[71] SWEGON OPERATIONS AB, SE</p> <p>[85] 2022-09-12</p> <p>[86] 2021-03-24 (PCT/SE2021/050255)</p> <p>[87] (WO2021/194409)</p> <p>[30] SE (2050323-1) 2020-03-24</p>
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[21] 3,171,445  
[13] A1

[51] Int.Cl. A61F 13/00 (2006.01) A61M 5/158 (2006.01) A61M 25/02 (2006.01)  
[25] EN  
[54] PLATFORM FOR DELIVERING SECUREMENT DEVICE  
[54] PLATE-FORME PERMETTANT DE DISTRIBUER UN DISPOSITIF DE FIXATION  
[72] TOLLINI, DENNIS R., US  
[72] TOLLINI, MICHAEL D., US  
[71] TNT MOBORG INTERNATIONAL LIMITED, US  
[85] 2022-09-12  
[86] 2021-03-02 (PCT/US2021/020386)  
[87] (WO2021/183317)  
[30] US (16/816,412) 2020-03-12

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[21] 3,171,446  
[13] A1

[51] Int.Cl. F24F 13/02 (2006.01) F16L 19/00 (2006.01) F16L 41/08 (2006.01)  
[25] EN  
[54] NON-CONTINUOUSLY ROTATABLE AND REMOVABLE FERRULE FOR DUCT FITTING  
[54] BAGUE D'EXTREMITE AMOVIBLE ET ROTATIF DE MANIERE NON CONTINUE POUR RACCORD DE CONDUIT  
[72] BEACH, ROBERT, US  
[72] POERSCHKE, ANDREW, US  
[72] WATTS, NIGEL, US  
[71] RHEIA, LLC, US  
[85] 2022-09-12  
[86] 2021-03-11 (PCT/US2021/021885)  
[87] (WO2021/183751)  
[30] US (16/817,065) 2020-03-12

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[21] 3,171,447  
[13] A1

[51] Int.Cl. C07D 301/27 (2006.01)  
[25] EN  
[54] TALL OIL DERIVED GLYCIDYL ESTERS AND PROCESS OF MAKING THE SAME  
[54] ESTERS GLYCIDYLIQUES DERIVES DE TALLOL ET LEUR PROCEDE DE FABRICATION  
[72] WANG, BING, US  
[72] GANEWATTA, MITRA, US  
[71] INGEVITY SOUTH CAROLINA, LLC, US  
[85] 2022-09-12  
[86] 2021-03-17 (PCT/US2021/022669)  
[87] (WO2021/188613)  
[30] US (62/992,461) 2020-03-20

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[21] 3,171,448  
[13] A1

[51] Int.Cl. F15B 13/04 (2006.01) F15B 13/044 (2006.01) F15B 13/10 (2006.01)  
[25] EN  
[54] HYDRAULIC VALVE MODULE FOR SAFE DEACTIVATION IN THE CASE OF FAILURE OF AN EXTERNAL CURRENT SUPPLY, AND METHOD FOR OPERATING A HYDRAULIC VALVE  
[54] MODULE DE VANNE HYDRAULIQUE POUR DESACTIVATION SURE EN CAS DE DEFAILLANCE D'UNE ALIMENTATION EN COURANT EXTERNE ET PROCEDE DE FONCTIONNEMENT D'UNE VANNE HYDRAULIQUE  
[72] SALAH, GERD, DE  
[72] HARTMANN, STEFFEN, DE  
[71] BUCHER HYDRAULICS GMBH, DE  
[85] 2022-09-12  
[86] 2021-03-02 (PCT/EP2021/055101)  
[87] (WO2021/180508)  
[30] DE (10 2020 107 032.2) 2020-03-13

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[21] 3,171,449  
[13] A1

[51] Int.Cl. A61K 31/13 (2006.01) A61K 31/196 (2006.01) C07K 7/06 (2006.01) C07K 14/515 (2006.01)  
[25] EN  
[54] CORONAVIRUS THERAPEUTICS AND TREATMENT METHODS  
[54] THERAPEUTIQUES POUR LUTTER CONTRE LE CORONAVIRUS ET METHODES DE TRAITEMENT  
[72] HAMILTON, DOUGLAS A., US  
[72] CHIKH, GHANIA, CA  
[71] VASOMUNE THERAPEUTICS, INC., CA  
[71] HAMILTON, DOUGLAS A., US  
[85] 2022-09-12  
[86] 2021-04-05 (PCT/US2021/025819)  
[87] (WO2021/207099)  
[30] US (63/005,981) 2020-04-06

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[21] 3,171,450  
[13] A1

[51] Int.Cl. C07C 253/02 (2006.01) C07C 255/04 (2006.01)  
[25] EN  
[54] SYSTEM OF PREPARING A PHTHALONITRILE-BASED COMPOUND AND METHOD OF PREPARING PHTHALONITRILE-BASED COMPOUND USING THE SAME  
[54] SYSTEME POUR LA FABRICATION D'UN COMPOSE A BASE DE PHTALONITRILE ET PROCEDE POUR LA FABRICATION D'UN COMPOSE A BASE DE PHTALONITRILE UTILISANT CELUI-CI  
[72] ROH, KEE YOON, KR  
[72] CHO, NAM HYUN, KR  
[71] KOREA KUMHO PETROCHEMICAL CO., LTD., KR  
[85] 2022-09-12  
[86] 2021-10-18 (PCT/KR2021/014454)  
[87] (WO2022/092657)  
[30] KR (10-2020-0143612) 2020-10-30

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[21] 3,171,451  
[13] A1

[51] Int.Cl. B62D 55/00 (2006.01) B62D 55/08 (2006.01)  
[25] EN  
[54] TRACK AND WHEEL FOR A TRACK SYSTEM, AND TRACK SYSTEM COMPRISING THE SAME  
[54] PISTE ET ROUE POUR UN SYSTEME DE PISTE, ET SYSTEME DE PISTE COMPRENANT CEUX-CI  
[72] NADEAU, MARC, CA  
[72] LACHARITE, OLIVIER, CA  
[72] BOISVERT, JORDAN, CA  
[72] HALSTEAD, ERIC, CA  
[72] BRION, LEILA, CA  
[72] BEDARD, MAGELLA, CA  
[72] LAFLAMME, FRANCOIS, CA  
[72] LEBLANC, MARC-ANTOINE, CA  
[71] SOUCY INTERNATIONAL INC., CA  
[85] 2022-09-12  
[86] 2021-03-31 (PCT/IB2021/052707)  
[87] (WO2021/198960)  
[30] US (63/003,083) 2020-03-31

## Demandes PCT entrant en phase nationale

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<p>[21] 3,171,452 [13] A1</p> <p>[51] Int.Cl. B22F 1/00 (2022.01) B82Y 40/00 (2011.01) C01B 32/05 (2017.01) C01B 32/15 (2017.01) B22F 9/08 (2006.01) C01B 33/021 (2006.01) C01B 35/02 (2006.01) C22C 1/02 (2006.01)</p> <p>[25] EN</p> <p>[54] PREPARATION METHOD FOR POWDER MATERIAL AND USE THEREOF</p> <p>[54] PROCEDE DE PREPARATION POUR MATERIAU EN POUDRE ET UTILISATION ASSOCIEE</p> <p>[72] ZHAO, YUANYUN, CN</p> <p>[71] ZHAO, YUANYUN, CN</p> <p>[85] 2022-09-12</p> <p>[86] 2020-11-23 (PCT/CN2020/130961)</p> <p>[87] (WO2021/179677)</p> <p>[30] CN (202010170579.1) 2020-03-12</p> <p>[30] CN (202010673087.4) 2020-07-14</p> <p>[30] CN (202011273980.4) 2020-11-14</p>
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<p>[21] 3,171,453 [13] A1</p> <p>[51] Int.Cl. A61K 31/4365 (2006.01) A61K 31/4436 (2006.01) A61K 31/444 (2006.01) A61P 25/28 (2006.01)</p> <p>[25] EN</p> <p>[54] USE OF A THIENOPYRIDONE DERIVATIVE IN THE TREATMENT OF ADRENOLEUKODYSTROPHY OR ADRENOMYELONEUROPATHY</p> <p>[54] UTILISATION D'UN DERIVE DE THIOPYRIDONE DANS LE TRAITEMENT DE L'ADRENOLEUCODYSTROPHIE OU DE L'ADRENOMYELONEUROPATHIE</p> <p>[72] BOLZE, SEBASTIEN, FR</p> <p>[72] FOUQUERAY, PASCALE, CH</p> <p>[72] HALLAKOU-BOZEC, SOPHIE, FR</p> <p>[71] POXEL, FR</p> <p>[85] 2022-09-12</p> <p>[86] 2021-03-26 (PCT/EP2021/057988)</p> <p>[87] (WO2021/191435)</p> <p>[30] EP (20166035.4) 2020-03-26</p>
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<p>[21] 3,171,454 [13] A1</p> <p>[51] Int.Cl. C07C 315/02 (2006.01) C07C 323/18 (2006.01)</p> <p>[25] EN</p> <p>[54] METHOD FOR PREPARING THIOMETHYLPHENOL DERIVATIVE</p> <p>[54] PROCEDE DE PREPARATION D'UN DERIVE DE THIOMETHYLPHENOL</p> <p>[72] ROH, KEE YOON, KR</p> <p>[72] JANG, SANG HUN, KR</p> <p>[72] CHOI, JUNG HEI, KR</p> <p>[71] KOREA KUMHO PETROCHEMICAL CO., LTD., KR</p> <p>[85] 2022-09-12</p> <p>[86] 2021-10-18 (PCT/KR2021/014452)</p> <p>[87] (WO2022/092655)</p> <p>[30] KR (10-2020-0143611) 2020-10-30</p>
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<p>[21] 3,171,455 [13] A1</p> <p>[51] Int.Cl. A01K 67/027 (2006.01) C07K 14/54 (2006.01) C07K 14/715 (2006.01)</p> <p>[25] EN</p> <p>[54] NON-HUMAN ANIMALS HAVING A HUMANIZED TSLP GENE, A HUMANIZED TSLP RECEPTOR GENE, AND/OR A HUMANIZED IL7RA GENE</p> <p>[54] ANIMAUX NON HUMAINS AYANT UN GENE TSLP HUMANISE, UN GENE RECEPTEUR TSLP HUMANISE ET/OU UN GENE IL7RA HUMANISE</p> <p>[72] TANG, YAJUN, US</p> <p>[72] BRYDGES, SUSANNAH, US</p> <p>[72] SRIVATSAN, SUBHASHINI, US</p> <p>[72] FRIETA, DAVOR, US</p> <p>[72] GURER, CAGAN, US</p> <p>[72] MURPHY, ANDREW J., US</p> <p>[71] REGENERON PHARMACEUTICALS, INC., US</p> <p>[85] 2022-09-12</p> <p>[86] 2021-12-20 (PCT/US2021/064270)</p> <p>[87] (WO2022/140221)</p> <p>[30] US (63/128,258) 2020-12-21</p>
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<p>[21] 3,171,456 [13] A1</p> <p>[51] Int.Cl. C09D 5/00 (2006.01) C09D 5/44 (2006.01)</p> <p>[25] EN</p> <p>[54] BISMUTH CONTAINING ELECTROCOATING MATERIAL WITH IMPROVED CATALYTIC ACTIVITY</p> <p>[54] MATERIAU D'ELECTRODEPOSITION CONTENANT DU BISMUTH PRESENTANT UNE ACTIVITE CATALYTIQUE AMELIOREE</p> <p>[72] RESSEL, JOERG, DE</p> <p>[72] GROSSE BRINKHAUS, KARL-HEINZ, DE</p> <p>[72] BENNING, DIRK, DE</p> <p>[72] JUETTEMAYER, JANINE, DE</p> <p>[72] GEUTING, MARTIN, DE</p> <p>[72] PRZYBILLA, SILKE, DE</p> <p>[72] EXNER, JOERG, DE</p> <p>[72] WAGNER, PETRA, DE</p> <p>[71] BASF COATINGS GMBH, DE</p> <p>[85] 2022-09-12</p> <p>[86] 2020-08-11 (PCT/EP2020/072466)</p> <p>[87] (WO2021/239264)</p> <p>[30] EP (20176265.5) 2020-05-25</p>
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<p>[21] 3,171,457 [13] A1</p> <p>[51] Int.Cl. H04W 74/08 (2009.01)</p> <p>[25] EN</p> <p>[54] APPARATUS AND METHOD OF COMMUNICATION OF SAME</p> <p>[54] APPAREIL ET SON PROCEDE DE COMMUNICATION</p> <p>[72] LIN, HAO, FR</p> <p>[71] OROPE FRANCE SARL, FR</p> <p>[85] 2022-09-12</p> <p>[86] 2020-05-26 (PCT/IB2020/000535)</p> <p>[87] (WO2021/181129)</p> <p>[30] IB (PCT/IB2020/000459) 2020-03-13</p> <p>[30] IB (PCT/IB2020/000789) 2020-05-11</p>
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**[21] 3,171,458**  
[13] A1

[51] Int.Cl. G02B 6/44 (2006.01) H02G 15/013 (2006.01)  
[25] EN  
[54] BUTT CLOSURES AND BASES THEREFOR  
[54] FERMETURES BOUT A BOUT ET BASES ASSOCIEES  
[72] KIMBRELL, EDDIE, US  
[72] WITTMAYER, DAVID, US  
[71] AFL TELECOMMUNICATIONS LLC, US  
[85] 2022-09-12  
[86] 2021-03-15 (PCT/US2021/022311)  
[87] (WO2021/194779)  
[30] US (16/826,962) 2020-03-23

**[21] 3,171,460**  
[13] A1

[51] Int.Cl. A23L 35/00 (2016.01) A61K 31/015 (2006.01) A61K 38/18 (2006.01)  
[25] EN  
[54] BARLEY PROTEIN PRODUCTION PROCESS  
[54] PROCEDE DE PRODUCTION DE PROTEINE D'ORGE  
[72] BRADLEY, CLIFFORD A., US  
[72] KEARNS, ROBERT D., US  
[71] MONTANA MICROBIAL PRODUCTS, LLC, US  
[85] 2022-09-12  
[86] 2021-02-05 (PCT/US2021/016761)  
[87] (WO2021/183238)  
[30] US (62/989,481) 2020-03-13  
[30] US (62/989,483) 2020-03-13

**[21] 3,171,481**  
[13] A1

[51] Int.Cl. A23L 5/00 (2016.01) C12N 9/02 (2006.01) C12N 9/78 (2006.01) C12P 21/00 (2006.01)  
[25] EN  
[54] PROTEIN CROSSLINKING METHOD  
[54] PROCEDE DE RETICULATION DE PROTEINES  
[72] SAKAI, KIYOTA, JP  
[71] AMANO ENZYME INC., JP  
[85] 2022-09-13  
[86] 2021-03-17 (PCT/JP2021/010764)  
[87] (WO2021/187510)  
[30] JP (2020-046931) 2020-03-17

**[21] 3,171,483**  
[13] A1

[51] Int.Cl. C25B 1/04 (2021.01) C25B 9/05 (2021.01) C07C 1/12 (2006.01) C10L 3/08 (2006.01)  
[25] EN  
[54] METHOD OF COMPRESSING CARBON DIOXIDE USING HIGH-PRESSURE ELECTROLYSIS  
[54] PROCEDE DE COMPRESSION DE DIOXYDE DE CARBONE PAR ELECTROLYSE HAUTE PRESSION  
[72] BISHWAS, SUMON, DK  
[71] HYMETH APS, DK  
[85] 2022-09-13  
[86] 2021-03-16 (PCT/EP2021/056682)  
[87] (WO2021/185836)  
[30] EP (20163771.7) 2020-03-17

**[21] 3,171,491**  
[13] A1

[51] Int.Cl. C07K 14/535 (2006.01) A61K 47/60 (2017.01) G01N 30/02 (2006.01)  
[25] EN  
[54] DETERMINATION OF FREE N-TERMINUS OF PEGFILGRASTIM USING AN ACID PROTEASE  
[54] DETERMINATION DE L'EXTREMITE N-TERMINALE LIBRE DE PEGFILGRASTIM A L'AIDE D'UNE PROTEASE ACIDE  
[72] ZHANG, ZHONGQI, US  
[72] SHAH, BHAVANA, US  
[71] AMGEN, INC., US  
[85] 2022-09-13  
[86] 2021-03-19 (PCT/US2021/023100)  
[87] (WO2021/188869)  
[30] US (62/992,540) 2020-03-20

**[21] 3,171,492**  
[13] A1

[25] EN  
[54] PLANT OPERATION SUPPORT APPARATUS AND PLANT OPERATION SUPPORT METHOD  
[54] APPAREIL DE SUPPORT DE FONCTIONNEMENT D'INSTALLATION ET PROCEDE DE SUPPORT DE FONCTIONNEMENT D'INSTALLATION  
[72] FUKAMI, KENTA, JP  
[72] NARUSE, MAMI, JP  
[72] YOSHINAGA, MITSUNOBU, JP  
[72] YAMAMOTO, NAMI, JP  
[71] MITSUBISHI ELECTRIC CORPORATION, JP  
[85] 2022-09-13  
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- [25] EN
- [54] METHOD FOR RECOVERING VALUABLE METAL
- [54] PROCEDE DE RECUPERATION DE METAUX DE VALEUR
- [72] HAGIO, TOMOYA, JP
- [72] YAMASHITA, YU, JP
- [71] SUMITOMO METAL MINING CO., LTD., JP
- [85] 2022-09-13
- [86] 2021-03-26 (PCT/JP2021/012823)
- [87] (WO2021/205903)
- [30] JP (2020-069016) 2020-04-07

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- [25] EN
- [54] SYNTHETIC VIRUSES
- [54] VIRUS SYNTHETIQUES
- [72] KRAUSE HAABER, JAKOB, DK
- [72] SEMSEY, SZabolcs, DK
- [71] SNIPR BIOME APS, DK
- [85] 2022-09-13
- [86] 2021-09-24 (PCT/EP2021/076360)
- [87] (WO2022/063986)
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- [51] Int.Cl. G06F 1/06 (2006.01)
- [25] EN
- [54] METHOD FOR PROVIDING CLOCK FREQUENCIES FOR COMPUTING CORES, CHIP, AND DATA PROCESSING DEVICE
- [54] PROCEDE DE FOURNITURE DE FREQUENCES D'HORLOGE POUR DES C?URS DE CALCUL, PUCE ET DISPOSITIF DE TRAITEMENT DE DONNEES
- [72] LIU, JIANBO, CN
- [72] MA, WEIBIN, CN
- [72] HUANG, LIHONG, CN
- [72] YANG, ZUOXING, CN
- [72] GUO, HAIFENG, CN
- [71] SHENZHEN MICROBT ELECTRONICS TECHNOLOGY CO., LTD., CN
- [85] 2022-09-13
- [86] 2021-04-12 (PCT/CN2021/086575)
- [87] (WO2021/208846)
- [30] CN (202010288797.5) 2020-04-14

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- [25] EN
- [54] ANTIMICROBIAL PROTEIN FOR USE IN THE MEDICAL FIELD
- [54] PROTEINE ANTIMICROBIENNE DESTINEE A ETRE UTILISEE DANS LE DOMAINE MEDICAL
- [72] PAPARELLA, ALESSANDRO, IT
- [72] CAPPELLARO, MARCO, IT
- [72] FIORE, ENRICO, IT
- [71] DELPHINUS BIOTECH S.R.L., IT
- [85] 2022-09-13
- [86] 2021-03-12 (PCT/IB2021/052077)
- [87] (WO2021/181353)
- [30] US (62/989,067) 2020-03-13
- [30] US (63/005,474) 2020-04-06
- [30] IT (102021000002606) 2021-02-05

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- [51] Int.Cl. A61K 9/00 (2006.01) A61K 9/127 (2006.01) A61K 47/02 (2006.01) A61P 43/00 (2006.01)
- [25] EN
- [54] COMPOSITIONS AND METHODS FOR TREATING OR PREVENTING MULTIPLE ORGAN DYSFUNCTION SYNDROME
- [54] COMPOSITIONS ET METHODES DE TRAITEMENT OU DE PREVENTION DU SYNDROME DE DEFAILLANCE MULTIVISCERALE
- [72] SIMPKINS, CUTHBERT, US
- [71] VIVACELLE BIO, INC., US
- [85] 2022-09-13
- [86] 2021-04-02 (PCT/US2021/070351)
- [87] (WO2021/203143)
- [30] US (63/004,769) 2020-04-03

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- [25] EN
- [54] ANTIMICROBIAL PROTEIN AND RELATIVE USES
- [54] PROTEINE ANTIMICROBIENNE ET UTILISATIONS ASSOCIEES
- [72] PAPARELLA, ALESSANDRO, IT
- [72] CAPPELLARO, MARCO, IT
- [72] FIORE, ENRICO, IT
- [71] DELPHINUS BIOTECH S.R.L., IT
- [85] 2022-09-13
- [86] 2021-03-12 (PCT/IB2021/052079)
- [87] (WO2021/181355)
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  - [25] EN
  - [54] METHOD FOR PLAYING ON A PLAYER OF A CLIENT DEVICE A CONTENT STREAMED IN A NETWORK
  - [54] PROCEDE DE LECTURE SUR UN LECTEUR D'UN DISPOSITIF CLIENT D'UN CONTENU DIFFUSE EN CONTINU DANS UN RESEAU
  - [72] YOUSEF, HIBA, FR
  - [72] STORELLI, ALEXANDRE, FR
  - [72] DELMAS, AXEL, FR
  - [71] STREAMROOT, FR
  - [85] 2022-09-13
  - [86] 2021-03-25 (PCT/EP2021/057832)
  - [87] (WO2021/191389)
  - [30] EP (20315054.5) 2020-03-26
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- [51] Int.Cl. B26B 3/08 (2006.01) B26B 29/06 (2006.01)
- [25] EN
- [54] BOX CORNER CUTTING TOOL
- [54] DISPOSITIF DE COUPE DE COIN DE BOITE
- [72] LEFEBVRE, LUC, CA
- [71] CASCADES CONTAINERBOARD PACKAGING, A DIVISION OF CASCADES CANADA ULC, CA
- [85] 2022-09-13
- [86] 2021-08-16 (PCT/CA2021/051127)
- [87] (WO2022/036439)
- [30] US (63/066,420) 2020-08-17

**[21] 3,171,525**  
[13] A1

- [51] Int.Cl. A01N 63/50 (2020.01)
  - [25] EN
  - [54] ANTIMICROBIAL PROTEIN AND RELATED USE IN AGRICULTURE
  - [54] PROTEINE ANTIMICROBIENNE ET UTILISATION ASSOCIEE DANS L'AGRICULTURE
  - [72] PAPARELLA, ALESSANDRO, IT
  - [72] CAPPELLARO, MARCO, IT
  - [72] FIORE, ENRICO, IT
  - [71] DELPHINUS BIOTECH S.R.L., IT
  - [85] 2022-09-13
  - [86] 2021-03-12 (PCT/IB2021/052080)
  - [87] (WO2021/181356)
  - [30] US (62/989,067) 2020-03-13
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- [51] Int.Cl. C07K 16/30 (2006.01) A61K 47/68 (2017.01)
- [25] EN
- [54] ANTI-MUC1-SEA ANTIBODIES
- [54] ANTICORPS ANTI-MUC1-SEA
- [72] WRESCHNER, DANIEL, IL
- [72] RUBINSTEIN, DANIEL (DECEASED), US
- [71] BIOMODIFYING, LLC, US
- [71] RAMOT AT TEL-AVIV UNIVERSITY LTD., IL
- [85] 2022-09-13
- [86] 2021-03-11 (PCT/IL2021/050269)
- [87] (WO2021/186427)
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- [51] Int.Cl. A61K 31/506 (2006.01) A61P 9/00 (2006.01) A61P 9/10 (2006.01) A61P 11/00 (2006.01) A61P 31/14 (2006.01)
  - [25] EN
  - [54] AZD1656 FOR USE IN THE TREATMENT OF PNEUMONITIS AND/OR MYCOPHTHALMIA CAUSED BY A CORONAVIRUS
  - [54] AZD1656 DESTINE A ETRE UTILISE DANS LE TRAITEMENT DE LA PNEUMONITE ET/OU DE LA MYOCARDITE PROVOQUEES PAR UN CORONAVIRUS
  - [72] MARTIN, JOHN FRANCIS, GB
  - [71] EXCALIBUR MEDICINES LIMITED, GB
  - [85] 2022-09-13
  - [86] 2021-03-12 (PCT/GB2021/050623)
  - [87] (WO2021/186151)
  - [30] GB (2003722.2) 2020-03-14
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- [25] EN
- [54] ELECTRODE ASSEMBLY, BATTERY CELL, BATTERY, AND METHOD AND APPARATUS FOR MANUFACTURING ELECTRODE ASSEMBLY
- [54] ENSEMBLE ELECTRODE, CELLULE DE BATTERIE, BATTERIE, ET PROCEDE ET APPAREIL POUR FABRIQUER UN ENSEMBLE ELECTRODE
- [72] YU, HONGGANG, CN
- [72] SHI, SONGJUN, CN
- [72] JIN, HAIZU, CN
- [72] SONG, SHUTAO, CN
- [72] CHEN, BING, CN
- [72] DU, XINXIN, CN
- [71] CONTEMPORARY AMPEREX TECHNOLOGY CO., LIMITED, CN
- [85] 2022-09-13
- [86] 2020-08-21 (PCT/CN2020/110628)
- [87] (WO2022/036721)

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[25] EN	[25] EN	[25] EN
[54] URINAL FLUSH ASSEMBLY	[54] METHOD FOR CREATING MULTIMERIC IGA ANTIBODY, AND MULTISPECIFIC MULTIMERIC IGA ANTIBODY	[54] PERMANENT MAGNET FLUX LINKAGE DETERMINATION FOR PERMANENT MAGNET SYNCHRONOUS MOTORS
[54] ENSEMBLE CHASSE D'EAU D'URINOIR	[54] PROCEDE DE CREATION D'UN ANTICORPS IGA MULTIMERIQUE, ET ANTICORPS IGA MULTIMERIQUE MULTISPECIFIQUE	[54] DETERMINATION DE LIAISON DE FLUX D'AIMANTS PERMANENTS POUR MOTEURS SYNCHRONES A AIMANTS PERMANENTS
[72] PORMENTILLA, BEDA ANGELO, US	[72] TABATA, KOSHIRO, JP	[72] GARAEI, SHIVA, CA
[71] AS AMERICA, INC., US	[72] SUZUKI, TADAKI, JP	[72] LAI, CHUNYAN, CA
[85] 2022-09-13	[72] HASEGAWA, HIDEKI, JP	[72] SCHLAGER, GERD, AT
[86] 2021-03-22 (PCT/US2021/023456)	[71] TOKO YAKUHIN KOGYO CO., LTD., JP	[72] IYER, LAKSHMI VARAHA, US
[87] (WO2021/194956)	[71] JAPAN AS REPRESENTED BY DIRECTOR-GENERAL OF NATIONAL INSTITUTE OF INFECTIOUS DISEASES, JP	[72] KORTA, PHILIP, US
[30] US (62/993,240) 2020-03-23	[85] 2022-09-13	[71] MAGNA INTERNATIONAL INC., CA
	[86] 2021-03-22 (PCT/JP2021/011753)	[85] 2022-09-13
	[87] (WO2021/193553)	[86] 2021-03-19 (PCT/US2021/023251)
	[30] JP (2020-051139) 2020-03-23	[87] (WO2021/188958)
		[30] US (62/992,179) 2020-03-20
[21] 3,171,542	[21] 3,171,546	[21] 3,171,551
[13] A1	[13] A1	[13] A1
[51] Int.Cl. F04D 29/70 (2006.01) F25B 9/06 (2006.01) F25B 9/10 (2006.01) F25J 1/00 (2006.01) F25J 1/02 (2006.01)	[51] Int.Cl. B66D 1/34 (2006.01)	[51] Int.Cl. C08F 2/01 (2006.01) C08F 2/32 (2006.01) C08F 220/56 (2006.01)
[25] EN	[25] EN	[25] EN
[54] FACILITY AND METHOD FOR HYDROGEN REFRIGERATION	[54] ROPE DRUM OF ROPE HOIST AND FASTENING DEVICE OF HOISTING ROPE	[54] CONTINUOUS INVERSE EMULSION POLYMERIZATION PROCESS FOR UNIFORM POLYMER SIZE DISTRIBUTION
[54] INSTALLATION ET PROCEDE DE REFRIGERATION D'HYDROGENE	[54] TAMBOUR DE CABLE DE PALAN A CABLE ET DISPOSITIF DE FIXATION DE CABLE DE LEVAGE	[54] PROCEDE DE POLYMERISATION EN EMULSION INVERSE CONTINUE POUR UNE DISTRIBUTION UNIFORME DE LA TAILLE D'UN POLYMERÉ
[72] LE BOT, PATRICK, FR	[72] LAUKKANEN, NIKO, FI	[72] KASMARK, JOHN M., US
[72] ANDRICH, MARINE, FR	[72] LINDBERG, TEppo, FI	[72] KURIAN, PIOUS, US
[72] KOFRMAN, NICOLAS, FR	[72] KOKKO, HENRI, FI	[72] WEATHERS, JR. THOMAS MICHAEL, US
[71] L'AIR LIQUIDE SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCED, FR	[72] JUTILA, MIKKO, FI	[72] MENDOZA SERRANO, DAVID ISRAEL, US
[85] 2022-09-13	[71] KONECRANES GLOBAL CORPORATION, FI	[72] LANCASTER, CHRISTOPHER L., US
[86] 2021-03-03 (PCT/EP2021/055376)	[85] 2022-09-13	[71] CHAMPIONX USA INC., US
[87] (WO2021/190892)	[86] 2020-03-23 (PCT/FI2020/050182)	[85] 2022-09-13
[30] FR (FR2002797) 2020-03-23	[87] (WO2021/191489)	[86] 2021-03-16 (PCT/US2021/022612)
		[87] (WO2021/188577)
		[30] US (62/990,558) 2020-03-17

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  - [25] EN
  - [54] POROUS STARCH AS SPRAY-DRYING AID IN THE PREPARATION OF FLAVOR POWDERS
  - [54] AMIDON POREUX UTILISE COMME AUXILIAIRE DE SECHAGE PAR PULVERISATION DANS LA PREPARATION DE POUDRES D'AROMES
  - [72] PORA, BERNARD, CN
  - [72] HASJIM, JOVIN, FR
  - [72] YU, SHIYAO, CN
  - [72] SUN, JIE, CN
  - [71] ROQUETTE FRERES, FR
  - [85] 2022-09-13
  - [86] 2021-03-18 (PCT/EP2021/056894)
  - [87] (WO2021/191033)
  - [30] CN (202010225793.2) 2020-03-26
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- [25] EN
- [54] METHODS AND DEVICES FOR UPDATING CONFIGURATION INFORMATION OF DOWNSTREAM DEVICES DURING INTER-DONOR MIGRATION
- [54] PROCEDES ET DISPOSITIFS PERMETTANT DE METTRE A JOUR DES INFORMATIONS DE CONFIGURATION DE DISPOSITIFS EN AVAL PENDANT UNE MIGRATION INTER-DONNEUR
- [72] CAO, KUN, CN
- [72] HUANG, YING, CN
- [72] CHEN, LIN, CN
- [71] ZTE CORPORATION, CN
- [85] 2022-09-13
- [86] 2020-03-16 (PCT/CN2020/079483)
- [87] (WO2021/109356)

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  - [25] EN
  - [54] COMPOSITIONS COMPRISING CYS-PEPTIDES
  - [54] COMPOSITIONS COMPRENANT DES PEPTIDES CYS
  - [72] SCHILLING, MARTIN, DE
  - [72] BENEDIKT, ANNE, DE
  - [72] JOST, CHRISTINA, DE
  - [72] GOMEZ, MARIO, DE
  - [72] KESSLER, CHRISTIAN, DE
  - [71] EVONIK OPERATIONS GMBH, DE
  - [85] 2022-09-13
  - [86] 2021-04-12 (PCT/EP2021/059379)
  - [87] (WO2021/213822)
  - [30] EP (20170403.8) 2020-04-20
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[13] A1

- [51] Int.Cl. C07K 16/28 (2006.01)
- [25] EN
- [54] COMBINATION TREATMENT FOR CANCER INVOLVING ANTI-ICOS AND ANTI-PD1 ANTIBODIES, OPTIONALY FURTHER INVOLVING ANTI-TIM3 ANTIBODIES
- [54] TRAITEMENT COMBINE POUR LE CANCER IMPLIQUANT DES ANTICORPS ANTI-ICOS ET ANTI-PD1, IMPLIQUANT EVENTUELLEMENT EN OUTRE DES ANTICORPS ANTI-TIM3
- [72] BALLAS, MARC S., US
- [72] ELLIS, CATHERINE E., US
- [72] HIRSCHFELD, STEVEN, US
- [71] GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED, GB
- [85] 2022-09-13
- [86] 2021-04-12 (PCT/EP2021/059377)
- [87] (WO2021/209357)
- [30] US (63/009,555) 2020-04-14
- [30] US (63/110,094) 2020-11-05

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**[21] 3,171,559**

[13] A1

- [51] Int.Cl. A61K 35/17 (2015.01) C12N 5/078 (2010.01) C12N 5/0783 (2010.01) C12Q 1/6886 (2018.01) A61K 38/17 (2006.01) A61K 39/00 (2006.01) A61K 48/00 (2006.01) C12N 5/10 (2006.01) C12N 15/10 (2006.01) C12Q 1/68 (2018.01) G01N 33/50 (2006.01) G01N 33/569 (2006.01)
  - [25] EN
  - [54] METHODS OF ISOLATING T-CELLS AND T-CELL RECEPTORS FROM TUMOR BY SINGLE-CELL ANALYSIS FOR IMMUNOTHERAPY
  - [54] PROCEDES D'ISOLEMENT DE LYMPHOCYTES T ET DE RECEPTEURS DE LYMPHOCYTES T A PARTIR D'UNE TUMEUR PAR ANALYSE DE CELLULES UNIQUES POUR IMMUNOTHERAPIE
  - [72] KRISHNA, SRI, US
  - [72] LOWERY, III FRANK J., US
  - [72] HANADA, KENICHI, US
  - [72] YANG, JAMES C., US
  - [72] ROSENBERG, STEVEN A., US
  - [72] ROBBINS, PAUL F., US
  - [72] YOSEPH, RAMI, US
  - [71] THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, US
  - [85] 2022-09-13
  - [86] 2021-03-19 (PCT/US2021/023240)
  - [87] (WO2021/188954)
  - [30] US (62/992,701) 2020-03-20
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[13] A1

- [51] Int.Cl. B64F 5/00 (2017.01) B64F 5/40 (2017.01) B61D 3/16 (2006.01) B66F 11/04 (2006.01) E04G 5/08 (2006.01) E04G 5/10 (2006.01) E04G 5/14 (2006.01)
- [25] EN
- [54] AIRCRAFT WING GANTRY SYSTEM
- [54] SYSTEME DE PORTIQUE D'AERONEF
- [72] JOHNSTON, DANIEL, US
- [71] JOHNSTON, DANIEL, US
- [85] 2022-09-13
- [86] 2021-03-11 (PCT/US2021/021881)
- [87] (WO2021/188353)
- [30] US (16/820,244) 2020-03-16

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<p style="text-align: right;"><b>[21] 3,171,562</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. C08J 3/05 (2006.01) A23L 29/20 (2016.01) A23L 29/262 (2016.01) A23L 29/275 (2016.01) A61L 27/50 (2006.01) C08J 3/11 (2006.01)</p> <p>[25] EN</p> <p>[54] HOMOGENEOUS BIOPOLYMER SUSPENSIONS, PROCESSES FOR MAKING SAME AND USES THEREOF</p> <p>[54] SUSPENSIONS DE BIOPOLYMERES HOMOGENES, LEURS PROCEDES DE FABRICATION ET LEURS UTILISATIONS</p> <p>[72] DI NARDO, THOMAS, CA [71] 11584022 CANADA INC., CA [85] 2022-09-13 [86] 2021-12-22 (PCT/IB2021/062220) [87] (WO2022/137184) [30] US (63/129,890) 2020-12-23</p>
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<p style="text-align: right;"><b>[21] 3,171,565</b></p> <p style="text-align: right;">[13] A1</p> <p>[25] EN</p> <p>[54] METHOD AND DEVICE FOR POWER-SAVING IN WIRELESS SIDELINK COMMUNICATION</p> <p>[54] PROCEDE ET DISPOSITIF D'ECONOMIE D'ENERGIE DANS UNE COMMUNICATION SANS FIL A LIAISON LATÉRALE</p> <p>[72] LUO, WEI, CN [72] CHEN, LIN, CN [71] ZTE CORPORATION, CN [85] 2022-09-13 [86] 2020-03-18 (PCT/CN2020/079843) [87] (WO2021/098100)</p>
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<p style="text-align: right;"><b>[21] 3,171,570</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. G01S 17/89 (2020.01) H05B 47/115 (2020.01) H05B 47/155 (2020.01)</p> <p>[25] EN</p> <p>[54] AUTONOMOUS ROOM BOUNDARY DETECTION AND CLASSIFICATION WITH LOW RESOLUTION SENSORS</p> <p>[54] DETECTION ET CLASSIFICATION AUTONOMES DE LIMITE DE PIÈCE AVEC DES CAPTEURS A BASSE RÉSOLUTION</p> <p>[72] DABLEH, ROUMANOS, CA [72] KNAYZEH, GHASSAN, CA [72] BOUKHERS, ELIAS, CA [71] JDRF ELECTROMAG ENGINEERING INC., CA [85] 2022-09-13 [86] 2020-04-23 (PCT/IB2020/053862) [87] (WO2021/214523)</p>
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<p style="text-align: right;"><b>[21] 3,171,563</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A61K 9/00 (2006.01) A61K 47/10 (2017.01) A61K 47/34 (2017.01)</p> <p>[25] EN</p> <p>[54] OCULAR IMPLANT CONTAINING A TYROSINE KINASE INHIBITOR</p> <p>[54] IMPLANT OCULAIRE CONTENANT UN INHIBITEUR DE TYROSINE KINASE</p> <p>[72] BLIZZARD, CHARLES D., US [72] DRISCOLL, ARTHUR, US [72] EL-HAYEK, RAMI, US [72] GOLDSTEIN, MICHAEL, US [72] IACONA, JOSEPH, US [72] JARRETT, PETER, US [72] JARRETT, TIMOTHY S., US [72] KAHN, ERICA, US [72] LATTRELL, ZACHARY, US [71] OCULAR THERAPEUTIX, INC., US [85] 2022-09-13 [86] 2021-03-24 (PCT/US2021/023806) [87] (WO2021/195163) [30] US (62/994,391) 2020-03-25 [30] US (PCT/US2020/029827) 2020-04-24 [30] US (63/106,276) 2020-10-27 [30] US (63/148,463) 2021-02-11</p>
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<p style="text-align: right;"><b>[21] 3,171,567</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. G02B 6/38 (2006.01)</p> <p>[25] EN</p> <p>[54] CONNECTOR AND OPTICAL FIBER CONNECTION ASSEMBLY</p> <p>[54] CONNECTEUR ET ENSEMBLE DE CONNEXION DE FIBRE OPTIQUE</p> <p>[72] ZOU, FENG, CN [71] FIBERHOME TELECOMMUNICATION TECHNOLOGIES CO., LTD, CN [85] 2022-09-13 [86] 2021-06-30 (PCT/CN2021/103449) [87] (WO2022/052587) [30] CN (202010940734.3) 2020-09-09</p>
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<p style="text-align: right;"><b>[21] 3,171,568</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. C12M 1/00 (2006.01) C12M 3/06 (2006.01)</p> <p>[25] EN</p> <p>[54] BIOREACTORS FOR ORBITALLY SHAKING CELL CULTURES, IN PARTICULAR SUSPENSION CULTURES</p> <p>[54] BIOREACTEURS POUR CULTURES CELLULAIRES A AGITATION ORBITALE, EN PARTICULIER POUR DES CULTURES EN SUSPENSION</p> <p>[72] HANSEN, SVEN, DE [72] BLUMKE, WILFRIED, DE [72] BULOW, FABIAN, DE [72] GUMPRECHT, ANDREAS, DE [71] EVONIK OPERATIONS GMBH, DE [85] 2022-09-13 [86] 2021-05-04 (PCT/EP2021/061630) [87] (WO2021/228613) [30] EP (20174296.2) 2020-05-13</p>
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<p style="text-align: right;"><b>[21] 3,171,573</b> [13] A1</p> <p>[51] Int.Cl. C12N 5/00 (2006.01) C12N 7/00 (2006.01) [25] EN [54] METHODS FOR ENHANCING RECOMBINANT ADENO-ASSOCIATED VIRUS YIELD [54] PROCEDES D'AMELIORATION DU RENDEMENT DE VIRUS ADENO-ASSOCIE RECOMBINANT [72] PANTELI, JAN THOMAS, US [72] FULCO, CAMERON TAGE, US [72] ALLEN, JOHN EVERETT, US [72] JIANG, MINGYANG, US [72] HOGAN, RACHAEL C., US [71] ULTRAGENYX PHARMACEUTICAL INC., US [85] 2022-09-13 [86] 2021-03-15 (PCT/US2021/022396) [87] (WO2021/188449) [30] US (62/990,099) 2020-03-16</p>	<p style="text-align: right;"><b>[21] 3,171,577</b> [13] A1</p> <p>[51] Int.Cl. E04B 1/38 (2006.01) E04D 3/36 (2006.01) E04D 13/00 (2006.01) [25] EN [54] MOUNTING DEVICE FOR CONTROLLING UPLIFT OF A METAL ROOF [54] DISPOSITIF DE MONTAGE POUR COMMANDER LE SOULEVEMENT D'UN TOIT METALLIQUE [72] HADDOCK, DUSTIN M.M., US [72] WINTERNITZ, JESSE CHARLES, US [71] RMH TECH LLC, US [85] 2022-09-13 [86] 2021-03-16 (PCT/US2021/022466) [87] (WO2021/188475) [30] US (16/821,885) 2020-03-17</p>	<p style="text-align: right;"><b>[21] 3,171,580</b> [13] A1</p> <p>[51] Int.Cl. A61K 31/4188 (2006.01) A61K 31/438 (2006.01) A61K 31/4545 (2006.01) A61K 31/497 (2006.01) A61P 31/20 (2006.01) A61P 35/00 (2006.01) C07D 471/04 (2006.01) C07D 487/14 (2006.01) C07D 519/00 (2006.01) A61K 38/53 (2006.01) [25] EN [54] BIFUNCTIONAL DEGRADERS OF HEMATOPOIETIC PROGENITOR KINASE AND THERAPEUTIC USES THEREOF [54] AGENTS DE DEGRADATION BIFONCTIONNELS DE LA KINASE PROGENITRICE HEMATOPOIETIQUE ET LEURS UTILISATIONS THERAPEUTIQUES [72] SHUNATONA, HUNTER P., US [72] SHEARN-NANCE, GALEN PAUL, US [72] MITCHELL, SCOTT A., US [72] BUELL, JOHN, US [71] NURIX THERAPEUTICS, INC., US [71] GILEAD SCIENCES, INC., US [85] 2022-09-13 [86] 2021-05-05 (PCT/US2021/030928) [87] (WO2021/226262) [30] US (63/021,045) 2020-05-06</p>
<p style="text-align: right;"><b>[21] 3,171,575</b> [13] A1</p> <p>[51] Int.Cl. G06Q 50/02 (2012.01) G01S 17/89 (2020.01) [25] EN [54] HORTICULTURE AIDED BY AUTONOMOUS SYSTEMS [54] HORTICULTURE ASSISTEE PAR DES SYSTEMES AUTONOMES [72] KING, MATTHEW CHARLES, US [72] TAKLA, ETHAN VICTOR, US [72] GREENBERG, ADAM PHILLIP TAKLA, US [71] IUNU, INC., US [85] 2022-09-13 [86] 2021-03-19 (PCT/US2021/023286) [87] (WO2021/194894) [30] US (16/830,092) 2020-03-25</p>	<p style="text-align: right;"><b>[21] 3,171,579</b> [13] A1</p> <p>[51] Int.Cl. G06Q 50/02 (2012.01) G06T 7/80 (2017.01) [25] EN [54] CROWDSOURCED INFORMATICS FOR HORTICULTURAL WORKFLOW AND EXCHANGE [54] INFORMATIQUE A EXTERNALISATION OUVERTE POUR FLUX DE TRAVAIL ET ECHANGE HORTICOLES [72] GREENBERG, ADAM PHILLIP TAKLA, US [72] KING, MATTHEW CHARLES, US [72] TAKLA, ETHAN VICTOR, US [71] IUNU, INC., US [85] 2022-09-13 [86] 2021-03-19 (PCT/US2021/023301) [87] (WO2021/194898) [30] US (16/830,111) 2020-03-25</p>	<p style="text-align: right;"><b>[21] 3,171,582</b> [13] A1</p> <p>[51] Int.Cl. G06Q 50/02 (2012.01) G06Q 50/26 (2012.01) G06F 16/23 (2019.01) G06F 16/27 (2019.01) G06N 20/00 (2019.01) [25] EN [54] DECENTRALIZED GOVERNANCE REGULATORY COMPLIANCE (D-GRC) CONTROLLER [54] CONTROLEUR DE CONFORMITE REGLEMENTAIRE DE GOUVERNANCE DECENTRALISEE (D-GRC) [72] KING, MATTHEW CHARLES, US [72] TAKLA, ETHAN VICTOR, US [72] GREENBERG, ADAM PHILLIP TAKLA, US [71] IUNU, INC., US [85] 2022-09-13 [86] 2021-03-19 (PCT/US2021/023304) [87] (WO2021/194900) [30] US (16/830,073) 2020-03-25</p>

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<p>[21] 3,171,746 [13] A1</p> <p>[51] Int.Cl. C07D 235/26 (2006.01) A61K 31/4184 (2006.01) A61P 1/16 (2006.01) A61P 3/04 (2006.01) A61P 3/10 (2006.01)</p> <p>[25] EN</p> <p>[54] BENZIMIDAZOLE COMPOUND FOR THE TREATMENT OF METABOLIC DISORDERS</p> <p>[54] COMPOSE DE BENZIMIDAZOLE POUR LE TRAITEMENT DE TROUBLES METABOLIQUES</p> <p>[72] DE AZEVEDO, HATYLAS FELYPE ZANETI, BR</p> <p>[72] FERREIRA JUNIOR, MARCOS ANTONIO, BR</p> <p>[72] SEGRETTI, NATANAEL DANTE, BR</p> <p>[72] MASCARELLO, ALESSANDRA, BR</p> <p>[72] GUIMARAES, CRISTIANO RUCH WERNECK, BR</p> <p>[71] ACHE LABORATORIOS FARMACEUTICOS S.A., BR</p> <p>[85] 2022-09-14</p> <p>[86] 2021-04-15 (PCT/BR2021/050158)</p> <p>[87] (WO2021/207816)</p> <p>[30] US (63/010,128) 2020-04-15</p>
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<p>[21] 3,172,089 [13] A1</p> <p>[51] Int.Cl. A01G 23/081 (2006.01) A01G 23/087 (2006.01) A01G 23/089 (2006.01) A01G 23/093 (2006.01)</p> <p>[25] EN</p> <p>[54] AN ENERGY WOOD GRAPPLE AND A METHOD FOR ASSEMBLING AN ENERGY WOOD GRAPPLE</p> <p>[54] GRAPPIN A BOIS DE CHAUFFAGE ET PROCEDE D'ASSEMBLAGE D'UN GRAPPIN A BOIS DE CHAUFFAGE</p> <p>[72] TOSSAVAINEN, KIMMO, FI</p> <p>[71] KX-TREESHEARS OY, FI</p> <p>[85] 2022-09-16</p> <p>[86] 2021-03-26 (PCT/FI2021/050213)</p> <p>[87] (WO2021/205062)</p> <p>[30] FI (20205364) 2020-04-06</p>
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<p>[21] 3,172,673 [13] A1</p> <p>[51] Int.Cl. E21B 34/14 (2006.01) E21B 23/08 (2006.01)</p> <p>[25] EN</p> <p>[54] IN SITU INJECTION OR PRODUCTION VIA A WELL USING DART-ACTUATED VALVE ASSEMBLIES AND RELATED SYSTEM AND METHOD</p> <p>[54] PRODUCTION OU INJECTION IN SITU PAR L'INTERMEDIAIRE D'UN PUITS A L'AIDE D'ENSEMBLES VALVES ACTIONNES PAR CLAPET ET PROCEDE ET SYSTEME ASSOCIES</p> <p>[72] WERRIES, MICHAEL, CA</p> <p>[72] POWELL, JESSE, CA</p> <p>[72] REDECOPP, RYAN, CA</p> <p>[71] NCS MULTISTAGE INC., CA</p> <p>[85] 2022-09-21</p> <p>[86] 2022-01-14 (PCT/CA2022/050055)</p> <p>[87] (WO2022/150925)</p> <p>[30] US (63/137,311) 2021-01-14</p>
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<p>[21] 3,173,690 [13] A1</p> <p>[51] Int.Cl. H01M 8/04089 (2016.01) H01M 8/0438 (2016.01) H01M 8/04537 (2016.01) H01M 8/2465 (2016.01) E21B 41/00 (2006.01)</p> <p>[25] EN</p> <p>[54] FUEL CELL-BASED CONTROL METHOD, CONTROL DEVICE AND WELL-SITE STIMULATION METHOD</p> <p>[54] METHODE DE COMMANDE FONDEE SUR UNE PILE A COMBUSTIBLE, DISPOSITIF DE COMMANDE ET METHODE DE STIMULATION DE SITE DE PUITS</p> <p>[72] SHAO, MINGQI, CN</p> <p>[72] SUN, YUXUAN, CN</p> <p>[72] HAN, MAOMAO, CN</p> <p>[72] ZHONG, JIFENG, CN</p> <p>[72] CUI, SHUZHEN, CN</p> <p>[72] LV, LIANG, CN</p> <p>[72] WU, YIPENG, CN</p> <p>[71] YANTAI JEREH PETROLEUM EQUIPMENT &amp; TECHNOLOGIES CO., LTD., CN</p> <p>[85] 2022-09-08</p> <p>[86] 2021-07-29 (PCT/CN2021/109270)</p> <p>[87] (3173690)</p> <p>[30] CN (202110546372.4) 2021-05-19</p>
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<p>[21] 3,174,349 [13] A1</p> <p>[51] Int.Cl. H04W 4/90 (2018.01) H04W 4/029 (2018.01) H04W 76/50 (2018.01)</p> <p>[25] EN</p> <p>[54] EMERGENCY CALL DATA AGGREGATION AND VISUALIZATION</p> <p>[54] AGREGATION ET VISUALISATION DE DONNEES D'APPEL D'URGENCE</p> <p>[72] EKL, REINHARD, US</p> <p>[72] SHANNON, BROOKS THOMAS, US</p> <p>[71] RAPIDDEPLOY, INC., US</p> <p>[85] 2022-09-30</p> <p>[86] 2021-03-30 (PCT/US2021/024775)</p> <p>[87] (WO2021/202448)</p> <p>[30] US (63/002,672) 2020-03-31</p> <p>[30] US (17/116,056) 2020-12-09</p>
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<p>[21] 3,174,878 [13] A1</p> <p>[51] Int.Cl. H04L 1/00 (2006.01)</p> <p>[25] EN</p> <p>[54] MULTI-STAGE BURST DETECTION FOR COMMUNICATIONS SYSTEMS</p> <p>[54] DETECTION DE RAFALES SUR PLUSIEURS ETAGES POUR SYSTEMES DE COMMUNICATION</p> <p>[72] CHAKRABORTY, KAUSHIK, US</p> <p>[72] POTTA, SRIKAR, US</p> <p>[72] DAS, ANIRUDDHA, US</p> <p>[72] PETRANOVICH, JAMES, US</p> <p>[71] VIASAT, INC., US</p> <p>[85] 2022-10-06</p> <p>[86] 2021-04-06 (PCT/US2021/026056)</p> <p>[87] (WO2021/207279)</p> <p>[30] US (63/005,997) 2020-04-06</p>
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<p>[21] 3,176,679 [13] A1</p> <p>[25] EN</p> <p>[54] METHOD AND APPARATUS FOR SELECTIVE ALCOHOL UPGRADING</p> <p>[54] METHODE ET APPAREIL DE VALORISATION SELECTIVE D'ALCOOL</p> <p>[72] SHEEHAN, STAFFORD W., US</p> <p>[72] CHEN, CHI, US</p> <p>[72] STEINKE, NICHOLAS J., US</p> <p>[71] AIR COMPANY HOLDINGS, INC., US</p> <p>[85] 2022-09-27</p> <p>[86] 2022-05-18 (PCT/US2022/029834)</p> <p>[87] (3176679)</p> <p>[30] US (63/189,826) 2021-05-18</p>
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[13] A1

- [51] Int.Cl. C12N 15/113 (2010.01) A61K 31/712 (2006.01) A61P 1/00 (2006.01) A61P 19/02 (2006.01) A61P 29/00 (2006.01) C12N 15/24 (2006.01)
  - [25] EN
  - [54] IL-34 ANTISENSE AGENTS AND METHODS OF USING SAME
  - [54] AGENTS D'ANTI-SENS IL-34 ET METHODES D'UTILISATION
  - [72] VITI, FRANCESCA, IE
  - [72] MCNULTY, MARIE, IE
  - [72] BELLINIA, SALVATORE, IE
  - [71] NOGRA PHARMA LIMITED, IE
  - [85] 2022-09-28
  - [86] 2022-05-17 (PCT/EP2022/063300)
  - [87] (3177291)
  - [30] US (63/201,887) 2021-05-17
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**[21] 3,177,430**

[13] A1

- [51] Int.Cl. C10G 29/20 (2006.01) C08G 73/02 (2006.01) C10G 9/16 (2006.01) C10G 75/04 (2006.01) C10L 1/238 (2006.01)
  - [25] EN
  - [54] POLYBENZOXAZINE ASPHALTENE INHIBITORS
  - [54] INHIBITEURS D'ASPHALTENE A BASE DE POLYBENZOXAZINE
  - [72] MANGADLAO, JOEY DACULA, US
  - [72] RIVERS, GORDON, US
  - [72] JENNINGS, DAVID W., US
  - [72] WEERS, JERRY, US
  - [71] BAKER HUGHES OILFIELD OPERATIONS LLC, US
  - [85] 2022-10-31
  - [86] 2021-05-05 (PCT/US2021/030843)
  - [87] (WO2021/231147)
  - [30] US (15/931,176) 2020-05-13
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**[21] 3,177,684**

[13] A1

- [51] Int.Cl. F16K 15/14 (2006.01) A61M 39/24 (2006.01) F16K 1/44 (2006.01) F16K 7/17 (2006.01)
  - [25] EN
  - [54] CHECK VALVE WITH FLASH SEAL
  - [54] CLAPET DE NON-RETOUR DOTE D'UN JOINT INSTANTANE
  - [72] FEITH, RAYMOND, US
  - [72] MASON, EUGENE, US
  - [72] MALEKI, SHERVIN, US
  - [71] CAREFUSION 303, INC., US
  - [85] 2022-11-02
  - [86] 2021-05-05 (PCT/US2021/030924)
  - [87] (WO2021/226259)
  - [30] US (16/869,428) 2020-05-07
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[13] A1

- [51] Int.Cl. A24C 5/00 (2020.01) A24C 5/01 (2020.01) A24C 5/14 (2006.01) A24C 5/40 (2006.01)
  - [25] EN
  - [54] APPARATUS AND METHOD FOR FORMING A CIGARETTE
  - [54] APPAREIL ET METHODE POUR LA FORMATION D'UNE CIGARETTE
  - [72] DEIHIMI, SAMAN, CA
  - [71] DEIHIMI, SAMAN, CA
  - [85] 2022-09-29
  - [86] 2022-05-13 (PCT/CA2022/050765)
  - [87] (317723)
  - [30] CA (3118501) 2021-05-14
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[13] A1

- [51] Int.Cl. G01C 9/06 (2006.01) E04F 21/24 (2006.01)
  - [25] EN
  - [54] A TROWEL AND A METHOD FOR USING THE TROWEL AND A LASER LEVEL
  - [54] TRUELLE ET PROCEDE D'UTILISATION DE LA TRUELLE ET D'UN NIVEAU LASER
  - [72] AINASOJA, JARI, FI
  - [72] KNUUTILA, TIMO, FI
  - [71] KA-TUOTE OY, FI
  - [85] 2022-11-03
  - [86] 2021-04-15 (PCT/FI2021/050278)
  - [87] (WO2021/224543)
  - [30] FI (20205461) 2020-05-05
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**[21] 3,177,789**

[13] A1

- [51] Int.Cl. C12N 15/113 (2010.01) C12N 15/63 (2006.01) C12N 15/864 (2006.01)
  - [25] EN
  - [54] METHODS AND COMPOSITIONS FOR TREATING EPILEPSY
  - [54] METHODES ET COMPOSITIONS POUR TRAITER L'EPILEPSIE
  - [72] HE, CHENXIA, FR
  - [72] PORTER, RICHARD, FR
  - [72] MERCER, ANDREW, US
  - [72] DANOS, OLIVIER, US
  - [72] TEPE, APRIL R., US
  - [71] CORLIEVE THERAPEUTICS, FR
  - [71] REGENXBIO INC., US
  - [85] 2022-09-29
  - [86] 2022-05-16 (PCT/US2022/029452)
  - [87] (3177789)
  - [30] US (63/189,552) 2021-05-17
  - [30] US (63/219,446) 2021-07-08
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[13] A1

- [51] Int.Cl. A61B 34/30 (2016.01) A61B 34/35 (2016.01) A61B 34/37 (2016.01) B25J 3/04 (2006.01) B25J 9/18 (2006.01) B25J 19/02 (2006.01) B25J 19/04 (2006.01)
- [25] EN
- [54] FORCE ESTIMATION AND VISUAL FEEDBACK IN SURGICAL ROBOTICS
- [54] ESTIMATION DE FORCE ET RETROACTION VISUELLE DANS LA ROBOTIQUE CHIRURGICALE
- [72] KHALIFA, SAMMY, US
- [72] SACHS, ADAM, US
- [72] EILENBERG, MICHAEL, US
- [72] CHOPRA, PANKAJ, US
- [72] BUNNE, MICHAEL, US
- [72] BAIL, JEFF, US
- [71] VICARIOUS SURGICAL INC., US
- [85] 2022-09-29
- [86] 2022-05-13 (PCT/US2022/029231)
- [87] (3177795)
- [30] US (63/188,989) 2021-05-14
- [30] US (63/193,293) 2021-05-26

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[21] 3,177,909  
[13] A1

- [51] Int.Cl. B32B 17/02 (2006.01) B32B 17/04 (2006.01)  
[25] EN  
[54] POLYMER REINFORCED GLASS MAT WITH ENHANCED NAIL SHANK SHEAR RESISTANCE, SHINGLES INCLUDING THE SAME, AND METHODS OF MANUFACTURING THE SAME  
[54] MAT DE VERRE RENFORCE PAR POLYMER PRESENTANT UNE RESISTANCE AU CISAILLEMENT DE TIGE DE CLOU AMELIOREE , BARDEAUX LES COMPRENNANT ET PROCEDES DE FABRICATION D'UN TEL MAT DE VERRE RENFORC  
[72] SHIAO, MING-LIANG, US  
[72] SVEC, JIM, US  
[72] LEE, BRIAN, US  
[71] BMIC LLC, US  
[85] 2022-11-04  
[86] 2021-05-28 (PCT/US2021/034900)  
[87] (WO2021/243236)  
[30] US (63/031,680) 2020-05-29
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[21] 3,178,046  
[13] A1

- [51] Int.Cl. H02H 7/26 (2006.01) H02H 3/28 (2006.01) H02J 13/00 (2006.01)  
[25] EN  
[54] SYSTEM AND METHOD FOR PROTECTION OF AN ELECTRICAL GRID  
[54] SYSTEME ET PROCEDE DE PROTECTION DE RESEAU ELECTRIQUE  
[72] ABIRI JAHROMI, AMIR, CA  
[72] HADDADI, ABOUTALEB, CA  
[72] KUNDUR, DEEPA, CA  
[71] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA  
[85] 2022-11-07  
[86] 2021-05-19 (PCT/CA2021/050677)  
[87] (WO2021/232152)  
[30] US (63/029,100) 2020-05-22

[21] 3,178,059  
[13] A1

- [51] Int.Cl. B62K 11/02 (2006.01) B62K 19/16 (2006.01) B62K 19/30 (2006.01)  
[25] EN  
[54] MULTI-MODAL MONOCOQUE STRUCTURE FOR MOTORCYCLES  
[54] STRUCTURE MONOCOQUE MULTI-MODALE POUR MOTOCYCLETTE  
[72] KWONG, DOMINIQUE, CA  
[71] DAMON MOTORS INC., CA  
[85] 2022-11-07  
[86] 2021-06-02 (PCT/CA2021/050753)  
[87] (WO2021/243457)  
[30] US (63/033,958) 2020-06-03  
[30] US (17/243,475) 2021-04-28
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- [54] ECHANGEUR DE CHALEUR, PROCEDE DE FABRICATION D'UN ECHANGEUR DE CHALEUR, ET DISPOSITIF A CYCLE FRIGORIFIQUE  
[72] MONDARU, DEBUKUMA-RU, JP  
[72] NAGANO, TOMOHIRO, JP  
[72] FUJINO, HIROKAZU, JP  
[72] SATOU, KEN, JP  
[72] TOYOSAMA, KIYOTAKA, JP  
[72] UKAI, TAKUYA, JP  
[71] DAIKIN INDUSTRIES, LTD., JP  
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[25] EN  
[54] ELECTROMECHANICAL POWER-SPLIT SYSTEM WITH A TWO-OUTPUT PLANETARY GEARSET  
[54] SYSTEME DE DIVISION DE PUISSANCE ELECTROMECANIQUE ET PROCEDE DE FONCTIONNEMENT DE CE DERNIER  
[72] LUKAS, JAN, CZ  
[72] POSPI?IL, JAKUB, CZ  
[72] LUKE?, MIROSLAV, CZ  
[72] N?MEC, PETR, CZ  
[72] KRATKY, MARTIN, CZ  
[71] WINNING STEEL S.R.O., CZ  
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[54] APTAMERES D'ADN, METHODE POUR INHIBER LA GALECTINE-1 HUMAINE ET METHODE POUR TRAITER UN MAMMIFERE NECESSITANT UN TRAITEMENT  
[72] PEINADO PEREIRA, JOAO FRANCISCO, BR  
[71] PEINADO PEREIRA, JOAO FRANCISCO, BR  
[71] PEREIRA POLA, DANIEL, BR  
[85] 2022-09-20  
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  - [25] EN
  - [54] ORAL CARE COMPOSITIONS AND METHODS OF USE
  - [54] COMPOSITIONS DE SOINS BUCCO-DENTAIRE ET PROCEDES D'UTILISATION
  - [72] DAEP, CARLO, US
  - [72] TRIVEDI, HARSH MAHENDRA, US
  - [72] THOMSON, PAUL, US
  - [71] COLGATE-PALMOLIVE COMPANY, US
  - [85] 2022-09-20
  - [86] 2021-03-26 (PCT/US2021/024524)
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- [54] COMPOSES DE PYRAZOLYLPROPANAMIDE ET LEURS UTILISATIONS POUR LE TRAITEMENT DU CANCER DE LA PROSTATE
- [72] NARAYANAN, RAMESH, US
- [72] MILLER, DUANE D., US
- [72] HE, YALI, US
- [72] PONNUSAMY, THAMARAI, US
- [72] HWANG, DONG-JIN, US
- [71] UNIVERSITY OF TENNESSEE RESEARCH FOUNDATION, US
- [85] 2022-09-28
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- [54] CODEWORD SYNCHRONIZATION METHOD, RECEIVER, NETWORK DEVICE, AND NETWORK SYSTEM
- [54] PROCEDE DE SYNCHRONISATION DE MOT DE CODE, RECEPTEUR, DISPOSITIF DE RESEAU ET SYSTEME DE RESEAU
- [72] REN, HAO, CN
- [72] HE, XIANG, CN
- [72] WANG, XINYUAN, CN
- [71] HUAWEI TECHNOLOGIES CO., LTD., CN
- [85] 2022-09-29
- [86] 2021-04-12 (PCT/CN2021/086736)
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- [25] EN
- [54] METHOD FOR SCREENING FOR, METHOD FOR PRODUCING, AND METHOD FOR DESIGNING DRUG ACTIVE INGREDIENTS
- [54] PROCEDE DE CRIBLAGE, PROCEDE DE PRODUCTION ET PROCEDE DE CONCEPTION DE PRINCIPES ACTIFS DE MEDICAMENTS
- [72] ANDO, HIDEKI, JP
- [71] SKY PHARMA CO., LTD., JP
- [85] 2022-09-29
- [86] 2021-03-31 (PCT/JP2021/014027)
- [87] (WO2021/201170)
- [30] JP (2020-063994) 2020-03-31
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  - [54] METHOD FOR SEPARATING PITUITARY HORMONE-PRODUCING CELLS AND PROGENITOR CELLS THEREOF
  - [54] PROCÉDE DE SÉPARATION DE CELLULES PRODUCTRICES D'HORMONE PITUITAIRE ET DE CELLULES PROGENITRICES DE CELLES-CI
  - [72] KODANI, YU, JP
  - [72] NAGASAKI, HIROSHI, JP
  - [72] SUGA, HIDETAKA, JP
  - [71] FUJITA ACADEMY, JP
  - [71] NATIONAL UNIVERSITY CORPORATION TOKAI NATIONAL HIGHER EDUCATION AND RESEARCH SYSTEM, JP
  - [85] 2022-09-29
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- [54] REACTEUR A MEMBRANE A HYPERPOLARISATION PAR PARAHYDROGENE
- [72] THEIS, THOMAS, US
- [72] ABOLHASANI, MILAD, US
- [72] TOMHON, PATRICK, US
- [72] LEHMKUHL, SOREN, US
- [72] HAN, SUYONG, US
- [71] NORTH CAROLINA STATE UNIVERSITY, US
- [85] 2022-09-29
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- [87] (WO2021/207297)
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  - [25] EN
  - [54] SYSTEM AND METHOD FOR OBfuscating TRANSACTION INFORMATION
  - [54] SYSTEME ET PROCEDE DE BROUILLAGE D'INFORMATIONS DE TRANSACTION
  - [72] JOHNSON, KYLE, US
  - [72] MOSSOBA, MICHAEL, US
  - [72] BENKREIRA, ABDELKADER, US
  - [72] PERRY, ROBERT, US
  - [72] NOVIS, AUSTEN, US
  - [72] MIRACOLO, MAX, US
  - [72] MITCHKO, NATASHA, US
  - [71] CAPITAL ONE SERVICES, LLC, US
  - [85] 2022-09-29
  - [86] 2021-04-07 (PCT/US2021/026089)
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  - [54] ENTEROCINS AND METHODS OF USING THE SAME
  - [54] ENTEROCINES ET LEURS PROCEDES D'UTILISATION
  - [72] GEBHART, DANA, US
  - [72] SCHOLL, DEAN, US
  - [71] PYLUM BIOSCIENCES, INC., US
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  - [87] (WO2021/207260)
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- [54] PRODUITS ALIMENTAIRES COMPORTANT UN COMPLEMENT DE SPERMIDINE
- [72] NATELLA, STEFANO, US
- [72] LIEBERBERG, ROBERT, US
- [72] KATZ, ALLAN, US
- [71] KALIN HEALTH LLC, US
- [85] 2022-09-29
- [86] 2021-04-06 (PCT/US2021/026020)
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  - [25] EN
  - [54] ELLIPTICAL DUCTING SYSTEMS AND REINFORCED CONNECTORS
  - [54] SYSTEMES DE CANALISATIONS ELLIPTIQUES ET RACCORDS RENFORCES
  - [72] HERMANSON, JEFFREY A., US
  - [71] HERMANSON, JEFFREY A., US
  - [85] 2022-09-29
  - [86] 2021-03-26 (PCT/US2021/024392)
  - [87] (WO2021/202285)
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- [54] MISE SOUS TENSION REGULEE DE SUTURE
- [72] RAO, JYOTI B., US
- [72] CARPENTER, JOHN RICHARD, US
- [72] JANISH, BRYAN A., US
- [71] EDWARDS LIFESCIENCES CORPORATION, US
- [85] 2022-09-29
- [86] 2021-03-22 (PCT/US2021/023392)
- [87] (WO2021/216243)
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[25] EN  
[54] COMPOSITE MATERIALS AND METHODS OF PREPARATION THEREOF  
[54] MATERIAUX COMPOSITES ET LEURS PROCEDES DE PREPARATION  
[72] CASSIDY, EDWARD F., US  
[72] HILL, RUSSELL L., US  
[72] SHUGGINIS, ROBERT W., US  
[72] ZHANG, XI, US  
[72] ZHANG, YING, US  
[71] WESTLAKE ROYAL BUILDING PRODUCTS INC., US  
[85] 2022-09-29  
[86] 2021-03-18 (PCT/US2021/022906)  
[87] (WO2021/202109)  
[30] US (63/004,649) 2020-04-03

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[25] EN  
[54] PROCESS TO PREPARE PROPYLENE  
[54] PROCEDE DE PREPARATION DE PROPYLENE  
[72] DE GRAAF, ELBERT ARJAN, US  
[72] FLETCHER, RAYMOND PAUL, NL  
[71] GASOLFIN B.V., NL  
[85] 2022-09-29  
[86] 2020-04-10 (PCT/US2020/027651)  
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[25] EN  
[54] SYSTEMS AND METHODS FOR INTERPRETING HIGH ENERGY INTERACTIONS  
[54] SYSTEMES ET PROCEDES D'INTERPRETATION D'INTERACTIONS ENERGETIQUES ELEVEES  
[72] DRAKE, BRANDON LEE GOODCHILD, US  
[71] DECISION TREE, LLC, US  
[85] 2022-09-29  
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[25] EN  
[54] PEPTIDE HAVING MESENCHYMAL STEM CELL MOBILIZING ACTIVITY  
[54] PEPTIDE AYANT UNE ACTIVITE DE MOBILISATION DE CELLULES SOUCHESES MESENCHYMATEUSES  
[72] TAMAI, KATSUTO, JP  
[72] SHIMBO, TAKASHI, JP  
[72] YAMAZAKI, TAKEHIKO, JP  
[71] STEMRIM INC., JP  
[71] OSAKA UNIVERSITY, JP  
[85] 2022-09-29  
[86] 2021-04-02 (PCT/JP2021/014253)  
[87] (WO2021/201260)  
[30] JP (2020-067570) 2020-04-03

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[25] EN  
[54] SUBCUTANEOUS PORT WITH LOCKING MEMBER  
[54] ORIFICE SOUS-CUTANE AYANT UN ELEMENT DE VERRUILLAGE  
[72] ARZUMAND, AYESHA, JP  
[72] TARAPATA, CHRIS, JP  
[72] BELLISARIO, MARC, JP  
[72] HARTSHORN, CHRISTEL, JP  
[72] GUNN, MATTHEW J., JP  
[72] FETZER, CHASE, JP  
[71] TAKEDA PHARMACEUTICAL COMPANY LIMITED, JP  
[85] 2022-09-29  
[86] 2021-04-02 (PCT/JP2021/014310)  
[87] (WO2021/201273)  
[30] US (63/004,142) 2020-04-02

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[51] Int.Cl. G01H 11/08 (2006.01) G01V 1/00 (2006.01)  
[25] EN  
[54] BURIED-PIPE DAMAGE LOCATION DETECTION DEVICE  
[54] DISPOSITIF DE DETECTION D'EMPLACEMENT D'ENDOMMAGEMENT DE CANALISATION ENTERREE  
[72] KOJIMA, TAKASHI, JP  
[72] KUBOTA, KENSHI, JP  
[72] SEKIGUCHI, YASUHITO, JP  
[72] MIKAMI, TAKAHIRO, JP  
[71] FUJI TECOM INC., JP  
[85] 2022-09-29  
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[87] (WO2021/210643)  
[30] JP (2020-074446) 2020-04-18

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  - [25] EN
  - [54] IMAGE DECODING METHOD FOR CODING IMAGE INFORMATION INCLUDING TSRC AVAILABLE FLAG, AND DEVICE THEREFOR
  - [54] PROCEDE DE DECODAGE D'IMAGE POUR CODER DES INFORMATIONS D'IMAGE COMPRENANT UN DRAPEAU DISPONIBLE TSRC, ET DISPOSITIF ASSOCIE
  - [72] CHOI, JUNGAH, KR
  - [72] YOO, SUNMI, KR
  - [72] NAM, JUNGHAK, KR
  - [72] HEO, JIN, KR
  - [72] CHOI, JANGWON, KR
  - [72] KIM, SEUNGHWAN, KR
  - [71] LG ELECTRONICS INC., KR
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  - [87] (WO2022/035329)
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- [25] EN
- [54] SYSTEM FOR OFFSHORE CARBON DIOXIDE CAPTURE
- [54] SYSTEME DE CAPTURE DE DIOXYDE DE CARBONE EN MER
- [72] EINBU, ASLAK, NO
- [72] PETTERSEN, TORBJORN, NO
- [72] MORUD, JOHN, NO
- [71] SINTEF TTO AS, NO
- [85] 2022-09-29
- [86] 2021-03-29 (PCT/NO2021/050088)
- [87] (WO2021/201690)
- [30] GB (2004609.0) 2020-03-30

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  - [25] EN
  - [54] POSITIVE PRESSURE BREATHING CIRCUIT
  - [54] CIRCUIT RESPIRATOIRE A PRESSION POSITIVE
  - [72] LOVE, DAVID JOHN, ZA
  - [71] FISHER & PAYKEL HEALTHCARE LIMITED, NZ
  - [85] 2022-09-29
  - [86] 2021-10-12 (PCT/NZ2021/050176)
  - [87] (WO2022/035329)
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- [25] EN
- [54] LOW SUGAR, HIGH PROTEIN CONFECTION
- [54] CONFISERIE A FAIBLE TENEUR EN SUCRE ET A TENEUR ELEVEE EN PROTEINES
- [72] GUGGER, ERIC T., US
- [72] LI, MICHAEL, US
- [72] ORDOVAS, EVA, ES
- [71] GENERAL MILLS, INC., US
- [85] 2022-09-29
- [86] 2020-04-01 (PCT/US2020/026154)
- [87] (WO2021/201862)

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  - [25] EN
  - [54] ACOUSTIC DEVICES AND MAGNETIC CIRCUIT ASSEMBLIES THEREOF
  - [54] DISPOSITIF ACOUSTIQUE, ET ENSEMBLE DE CIRCUITS MAGNETIQUES CORRESPONDANT
  - [72] WANG, LIWEI, CN
  - [72] ZHANG, LEI, CN
  - [72] LIAO, FENGYUN, CN
  - [72] QI, XIN, CN
  - [72] FU, JUNJIANG, CN
  - [72] XIE, SHUAILIN, CN
  - [72] LI, CHAOWU, CN
  - [71] SHENZHEN SHOKZ CO., LTD., CN
  - [85] 2022-09-29
  - [86] 2021-04-20 (PCT/CN2021/088446)
  - [87] (WO2021/218709)
  - [30] CN (202010358223.0) 2020-04-29
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- [25] EN
- [54] POWER UNIT
- [54] DISPOSITIF DE PUISSANCE
- [72] LI, LONG, CN
- [72] LI, LI, CN
- [72] ZHANG, CHENZHONG, CN
- [72] XIAN, CHAO, CN
- [72] ZHANG, JINGRU, CN
- [71] NANJING CHERVON INDUSTRY CO., LTD., CN
- [85] 2022-09-29
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- [25] EN
- [54] **INSERTION TOOL WITH A DISSECTOR**
- [54] **OUTIL D'INSERTION POURVU D'UN DISSECTEUR**
- [72] CHAVAN, ABHI, US
- [72] HAYS, BRYAN, US
- [72] CITIRIK, ERMAN, US
- [71] SENSEONICS, INCORPORATED, US
- [85] 2022-09-29
- [86] 2021-04-14 (PCT/US2021/027321)
- [87] (WO2021/211736)
- [30] US (63/010,661) 2020-04-15

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- [25] EN
- [54] **LARGE SEQUENCE PAN-CORONAVIRUS VACCINE COMPOSITIONS**
- [54] **COMPOSITIONS DE VACCIN UNIVERSEL CONTRE TOUS LES CORONAVIRUS A SEQUENCE DE GRANDE TAILLE**
- [72] BENMOHAMED, LBACHIR, US
- [71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
- [85] 2022-09-29
- [86] 2021-04-14 (PCT/US2021/027355)
- [87] (WO2021/211760)
- [30] US (63/009,907) 2020-04-14
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[13] A1

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- [25] EN
- [54] **METHODS FOR ENRICHING EXTRACELLULAR VESICLES FROM BIOLOGICAL FLUID SAMPLES**
- [54] **PROCEDES D'ENRICHISSEMENT DE VESICULES EXTRACELLULAIRES A PARTIR D'ECHANTILLONS DE FLUIDES BIOLOGIQUES**
- [72] LOWE, CHRISTOPHER J., US
- [72] PLAKS, VICKI, US
- [72] RUPPEL, JANE M., US
- [72] SUTTMANN, REBECCA, US
- [71] GENENTECH, INC., US
- [85] 2022-09-29
- [86] 2021-04-16 (PCT/US2021/027627)
- [87] (WO2021/211935)
- [30] US (63/011,583) 2020-04-17

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- [25] EN
- [54] **SURGICAL PADS AND SPACERS**
- [54] **TAMPONS CHIRURGICAUX ET ESPACEURS**
- [72] HAN, JINGJIA, US
- [72] ENGELBRECHT, AUSTIN, US
- [72] FANG, YIN, US
- [72] YANG, HUI-CHI, US
- [72] CORTEZ, FELINO V., JR., US
- [72] CORTEZ, MEGAN, US
- [72] ZANETTI, LUKE ANTHONY, US
- [71] EDWARDS LIFESCIENCES CORPORATION, US
- [85] 2022-09-29
- [86] 2021-04-22 (PCT/US2021/028547)
- [87] (WO2021/216809)
- [30] US (63/015,356) 2020-04-24
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- [25] EN
- [54] **SYSTEMS AND METHODS FOR ASSAYING LARGE MOLECULES WITH IMPROVED SENSITIVITY**
- [54] **SYSTEMES ET PROCEDES PERMETTANT D'ANALYSER DE GRANDES MOLECULES AYANT UNE SENSIBILITE AMELIOREE**
- [72] XU, KEYANG, US
- [72] HE, JINTANG, US
- [72] KAUR, SURINDER, US
- [71] GENENTECH, INC., US
- [85] 2022-09-29
- [86] 2021-04-16 (PCT/US2021/027634)
- [87] (WO2021/211939)
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  - [25] EN
  - [54] SYSTEM AND METHOD FOR RECOVERING NUTRIENTS FROM A HIGH NITROGENOUS LIQUID WASTE
  - [54] SYSTEME ET PROCEDE DE RECUPERATION DE NUTRIMENTS A PARTIR DE DECHETS LIQUIDES A HAUTE TENEUR EN AZOTE
  - [72] GIRALDO-WINGLER, GABRIEL HOWARD, US
  - [72] GIRALDO, EUGENIO, US
  - [72] WINGLER, BARBARA JEAN, US
  - [71] NUORGANICS LLC, US
  - [85] 2022-09-29
  - [86] 2021-04-23 (PCT/US2021/028984)
  - [87] (WO2021/217094)
  - [30] US (63/015,323) 2020-04-24
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  - [25] EN
  - [54] METHOD OF TREATING AN INFLAMMATORY DISORDER
  - [54] METHODE DE TRAITEMENT D'UN TROUBLE INFLAMMATOIRE
  - [72] MIRSAEIDI, MEHDI, US
  - [72] ZHANG, CHONGXU, US
  - [72] SCHALLY, ANDREW V., US
  - [72] CAI, RENZHI, US
  - [72] TIAN, RUNXIA, US
  - [71] THE UNIVERSITY OF MIAMI, US
  - [71] THE UNITED STATES GOVERNMENT AS REPRESENTED BY THE DEPARTMENT OF VETERANS AFFAIRS, US
  - [85] 2022-09-29
  - [86] 2021-04-26 (PCT/US2021/029218)
  - [87] (WO2021/222129)
  - [30] US (63/015,896) 2020-04-27
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  - [25] EN
  - [54] AC DRIVE DV/DT FILTER USING REVERSE RECOVERY CHARGE OF DIODES
  - [54] FILTRE DV/DT A ENTRAINEMENT CA UTILISANT UNE CHARGE DE RECUPERATION INVERSE DE DIODES
  - [72] VOVOS, ROBERT J., US
  - [72] CARRUTHERS, PETER A., US
  - [72] WEBSTER, BENJAMIN T., US
  - [71] BAE SYSTEMS CONTROLS INC., US
  - [85] 2022-09-29
  - [86] 2021-04-27 (PCT/US2021/029279)
  - [87] (WO2021/222160)
  - [30] US (16/861,887) 2020-04-29
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[13] A1

- [51] Int.Cl. A61M 1/36 (2006.01)
  - [25] EN
  - [54] APPARATUS FOR EXTRACORPOREAL REMOVAL OF ALBUMIN AND ENDOTOXIN FROM BLOOD
  - [54] APPAREIL POUR L'ELIMINATION EXTRACORPORELLE DE L'ALBUMINE ET DE L'ENDOTOXINE DU SANG
  - [72] JALAN, RAJIV, GB
  - [71] YAQRIT LIMITED, GB
  - [85] 2022-09-29
  - [86] 2021-03-30 (PCT/GB2021/050786)
  - [87] (WO2021/198674)
  - [30] GB (2004775.9) 2020-03-31
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[13] A1

- [51] Int.Cl. A61L 15/32 (2006.01) A61L 26/00 (2006.01)
  - [25] EN
  - [54] JELLYFISH COLLAGEN USE
  - [54] UTILISATION DE COLLAGENE DE MEDUSE
  - [72] SPRAGG, ANDREW MEARN, GB
  - [71] JELLAGEN LIMITED, GB
  - [85] 2022-09-29
  - [86] 2021-04-07 (PCT/GB2021/050856)
  - [87] (WO2021/205167)
  - [30] GB (2005141.3) 2020-04-07
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[13] A1

- [51] Int.Cl. A61K 38/00 (2006.01) A61K 48/00 (2006.01) C07K 14/47 (2006.01) C12N 15/86 (2006.01)
  - [25] EN
  - [54] GENE THERAPY FOR BARDET-BIEDL SYNDROME
  - [54] THERAPIE GENIQUE POUR LE TRAITEMENT DU SYNDROME DE BARDET-BIEDL
  - [72] BEALES, PHILIP, GB
  - [72] HERNANDEZ, VICTOR, GB
  - [72] SMITH, SANDER, GB
  - [72] ALI, ROBIN, GB
  - [72] FERNANDES FREITAS MARTINS, MONICA, GB
  - [71] UCL BUSINESS LTD, GB
  - [85] 2022-09-29
  - [86] 2021-04-19 (PCT/GB2021/050932)
  - [87] (WO2021/209772)
  - [30] GB (2005641.2) 2020-04-17
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- [51] Int.Cl. H01L 21/02 (2006.01)
- [25] EN
- [54] METHOD, SEMICONDUCTOR STRUCTURE, AND VACUUM PROCESSING SYSTEM
- [54] PROCEDE, STRUCTURE SEMI-CONDUCTRICE ET SYSTEME DE TRAITEMENT SOUS VIDE
- [72] LAUKKANEN, PEKKA, FI
- [72] JAHANSHAH RAD, ZAHRA, FI
- [72] LEHTIO, JUHA-PEKKA, FI
- [72] KUZMIN, MIKHAIL, RU
- [72] PUNKKINEN, MARKO, FI
- [72] KOKKO, KALEVI, FI
- [71] TURUN YLIOPISTO, FI
- [85] 2022-09-29
- [86] 2021-03-29 (PCT/FI2021/050220)
- [87] (WO2021/198559)
- [30] FI (20205316) 2020-03-30

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<p>[21] <b>3,178,848</b>  [13] A1</p> <p>[51] Int.Cl. G06N 10/00 (2022.01) B82Y 10/00 (2011.01)</p> <p>[25] EN</p> <p>[54] SELECTIVE FREQUENCY SHIFTING OF QUBITS</p> <p>[54] DECALAGE DE FREQUENCE SELECTIF DE BITS QUANTIQUES</p> <p>[72] LAHTEENMAKI, PASI, FI</p> <p>[72] HASSEL, JUHA, FI</p> <p>[71] IQM FINLAND OY, FI</p> <p>[85] 2022-09-29</p> <p>[86] 2021-05-06 (PCT/FI2021/050334)</p> <p>[87] (WO2021/224551)</p> <p>[30] EP (20173395.3) 2020-05-07</p>
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  - [25] EN
  - [54] ANTI-CLAUDIN18.2 ANTIBODY AND USE THEREOF
  - [54] ANTICORPS ANTI-CLAUDINE 18.2 ET SON UTILISATION
  - [72] ZHOU, SHUAIXIANG, CN
  - [72] LI, LI, CN
  - [72] GUAN, ZHE, CN
  - [72] WANG, JIE, CN
  - [71] INNOVENT BIOLOGICS (SUZHOU) CO., LTD., CN
  - [85] 2022-09-29
  - [86] 2021-06-18 (PCT/CN2021/100870)
  - [87] (WO2021/254481)
  - [30] CN (202010570517.X) 2020-06-19
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- [25] EN
- [54] FUSION PROTEIN SUITABLE FOR DISSOLVING FIBRIN CLOT, AND PHARMACEUTICAL COMPOSITION CONTAINING SAID FUSION PROTEIN
- [54] PROTEINE DE FUSION APPROPRIEE POUR DISSOUDRE UN CAILLOT DE FIBRINE, ET COMPOSITION PHARMACEUTIQUE CONTENANT LADITE PROTEINE DE FUSION
- [72] MATSUMURA, YASUHIRO, JP
- [72] HANAKA, SHINGO, JP
- [72] SAIJO, SHINJI, JP
- [71] NATIONAL CANCER CENTER, JP
- [71] RIN INSTITUTE INC., JP
- [85] 2022-09-29
- [86] 2021-03-30 (PCT/JP2021/013496)
- [87] (WO2021/200922)
- [30] JP (2020-062316) 2020-03-31

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  - [25] EN
  - [54] INSULATION MOUNTING BRACKET
  - [54] SUPPORT DE FIXATION D'ISOLATION
  - [72] LONG, JACK, US
  - [72] SALGADO, SAUL, US
  - [72] ROTH, STEVEN, US
  - [71] OWENS CORNING INTELLECTUAL CAPITAL, LLC, US
  - [85] 2022-09-29
  - [86] 2021-04-28 (PCT/US2021/029527)
  - [87] (WO2021/222335)
  - [30] US (63/017,270) 2020-04-29
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- [25] EN
- [54] COPPER-CONTAINING THERAGNOSTIC COMPOUNDS AND METHODS OF USE
- [54] COMPOSES THERANOSTIQUES CONTENANT DU CUIVRE ET LEURS METHODES D'UTILISATION
- [72] BABICH, JOHN W., US
- [72] KELLY, JAMES M., US
- [72] AMOR-COARASA, ALEJANDRO, US
- [72] PONNALA, SHASHIKANTH, US
- [72] DONNELLY, PAUL, AU
- [71] CORNELL UNIVERSITY, US
- [71] THE UNIVERSITY OF MELBOURNE, AU
- [85] 2022-09-29
- [86] 2021-04-14 (PCT/US2021/027276)
- [87] (WO2021/225760)
- [30] US (63/020,838) 2020-05-06

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[13] A1

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  - [25] EN
  - [54] MODULAR CASCADED ENERGY SYSTEMS WITH A COOLING APPARATUS AND WITH REPLACEABLE ENERGY SOURCE CAPABILITY
  - [54] SYSTEMES MODULAIRES D'ENERGIE EN CASCADE DOTES D'UN APPAREIL DE REFROIDISSEMENT ET AYANT UNE CAPACITE DE SOURCE D'ENERGIE REMPLACABLE
  - [72] SLEPCHENKOV, MIKHAIL, US
  - [72] NADERI, ROOZBEH, US
  - [71] TAE TECHNOLOGIES, INC., US
  - [85] 2022-09-29
  - [86] 2021-04-13 (PCT/US2021/027159)
  - [87] (WO2021/211635)
  - [30] US (63/009,996) 2020-04-14
  - [30] US (63/086,003) 2020-09-30
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**[21] 3,178,861**

[13] A1

- [51] Int.Cl. G06F 3/048 (2013.01) G06F 9/50 (2006.01)
- [25] EN
- [54] DYNAMIC MODELER
- [54] MODELISATEUR DYNAMIQUE
- [72] HAMZE, HAYSSAM, AE
- [71] HAMZE, HAYSSAM, AE
- [85] 2022-09-29
- [86] 2021-03-30 (PCT/CY2021/000001)
- [87] (WO2021/197514)
- [30] US (16/835,066) 2020-03-30
- [30] US (16/919,764) 2020-07-02
- [30] US (17/129,808) 2020-12-21
- [30] US (17/191,656) 2021-03-03
- [30] US (17/216,397) 2021-03-29

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[21] **3,178,863**  
[13] A1

[51] Int.Cl. A61K 38/14 (2006.01) A61P 31/04 (2006.01) C07K 9/00 (2006.01)  
[25] EN  
[54] GUANIDINE-MODIFIED C-TERMINUS VANCOMYCIN COMPOUNDS, COMPOSITIONS AND METHODS  
[54] COMPOSES DE VANCOMYCINE A EXTREMITE C-TERMINALE MODIFIEE PAR DE LA GUANIDINE, COMPOSITIONS ET PROCEDES  
[72] BOGER, DALE L., US  
[72] WU, ZHI-CHEN, US  
[71] THE SCRIPPS RESEARCH INSTITUTE, US  
[85] 2022-09-29  
[86] 2021-04-13 (PCT/US2021/027133)  
[87] (WO2021/216323)  
[30] US (63/012,726) 2020-04-20  
[30] US (63/040,339) 2020-06-17

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[21] **3,178,865**  
[13] A1

[51] Int.Cl. C07D 487/04 (2006.01)  
[25] EN  
[54] SUBSTITUTED {1,2,4,} TRIAZOLO{1,5-A} PYRIMIDINE COMPOUNDS AND USE IN STABILIZING MICROTUBULES  
[54] COMPOSES DE {1,2,4,} TRIAZOLO{1,5-A} PYRIMIDINE SUBSTITUES ET LEUR UTILISATION DANS LA STABILISATION DE MICROTUBULES  
[72] BRUNDEN, KURT R., US  
[72] TROJANOWSKI, JOHN Q., US  
[72] SMITH, AMOS B., III, US  
[72] LEE, VIRGINIA M-Y, US  
[72] BALLATORE, CARLO, US  
[72] ALLE, THIBAULT, US  
[71] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US  
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US  
[85] 2022-09-29  
[86] 2021-04-12 (PCT/US2021/026791)  
[87] (WO2021/211408)  
[30] US (63/009,727) 2020-04-14

[21] **3,178,866**  
[13] A1

[51] Int.Cl. B66C 1/36 (2006.01) B66C 1/66 (2006.01)  
[25] EN  
[54] TRANSPORT HOOK  
[54] CROCHET DE TRANSPORT  
[72] STAMPFER, CHRISTIAN, AT  
[71] STAMPFER, CHRISTIAN, AT  
[85] 2022-09-29  
[86] 2021-04-01 (PCT/EP2021/058668)  
[87] (WO2021/204688)  
[30] AT (A50294/2020) 2020-04-06  
[30] DE (10 2020 123 514.3) 2020-09-09

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[21] **3,178,868**  
[13] A1

[51] Int.Cl. A61B 17/70 (2006.01) A61B 17/56 (2006.01) A61B 17/64 (2006.01) A61B 17/66 (2006.01)  
[25] EN  
[54] METHODS AND APPARATUS FOR GUIDED SPINAL GROWTH  
[54] PROCEDES ET APPAREIL POUR AMELIORER LA CROISSANCE GUIDEES DE LA COLONNE VERTEBRALE

[72] MCCARTHY, RICHARD, US  
[72] SNYDER, BRIAN, US  
[72] LUHMANN, SCOTT, US  
[72] SANDERS, JAMES, US  
[72] BUMPASS, DAVID, US  
[72] SCHWEND, RICHARD M., US  
[72] DETLEFSEN, RICHARD, US  
[72] PRYGOSKI, MATTHEW, US  
[72] POWERS, CHRIS M., US  
[72] GIBBS, COLLIN, US  
[72] LENGYEL, REBECCA, US  
[72] FUGETT, DARREN, US  
[72] DANIELS, DAVID W., US  
[71] ORTHOPEDIATRICS CORP., US  
[71] MCCARTHY, RICHARD, US  
[71] SNYDER, BRIAN, US  
[71] LUHMANN, SCOTT, US  
[71] SANDERS, JAMES, US  
[71] BUMPASS, DAVID, US  
[71] SCHWEND, RICHARD M., US  
[71] DETLEFSEN, RICHARD, US  
[71] PRYGOSKI, MATTHEW, US  
[71] POWERS, CHRIS M., US  
[71] GIBBS, COLLIN, US  
[71] LENGYEL, REBECCA, US  
[71] FUGETT, DARREN, US  
[71] DANIELS, DAVID W., US  
[85] 2022-09-29  
[86] 2021-04-09 (PCT/US2021/026681)  
[87] (WO2021/207674)

[21] **3,178,869**  
[13] A1

[51] Int.Cl. F24D 11/02 (2006.01) F24D 17/02 (2006.01) F24D 19/10 (2006.01) F28D 20/00 (2006.01)  
[25] EN  
[54] A HEATING SYSTEM, A METHOD, A COMPUTER PROGRAM, A COMPUTER-READABLE MEDIUM, A CONTROL DEVICE AND A USE OF SUCH A HEATING SYSTEM  
[54] SYSTEME DE CHAUFFAGE, PROCEDE, PROGRAMME INFORMATIQUE, SUPPORT LISIBLE PAR ORDINATEUR, DISPOSITIF DE COMMANDE ET UTILISATION D'UN TEL SYSTEME DE CHAUFFAGE  
[72] WOLFSWINKEL, WOUTER, NL  
[72] DE GRAAFF, RAMON, NL  
[71] VATTENFALL AB, SE  
[85] 2022-09-29  
[86] 2021-04-06 (PCT/EP2021/058927)  
[87] (WO2021/204794)  
[30] EP (20168701.9) 2020-04-08

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[21] **3,178,870**  
[13] A1

[51] Int.Cl. E04F 13/08 (2006.01) E04B 1/38 (2006.01) E04B 2/96 (2006.01)  
[25] EN  
[54] INSULATION MOUNTING BRACKET  
[54] SUPPORT DE FIXATION D'ISOLATION  
[72] LONG, JACK, US  
[72] OGINO, ANGELA, US  
[71] OWENS CORNING INTELLECTUAL CAPITAL, LLC, US  
[85] 2022-09-29  
[86] 2021-04-28 (PCT/US2021/029531)  
[87] (WO2021/222337)  
[30] US (63/017,261) 2020-04-29

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[21] **3,178,872**

[13] A1

[51] Int.Cl. A61K 31/192 (2006.01) A61K 31/195 (2006.01) A61P 25/04 (2006.01) A61P 29/00 (2006.01)

[25] EN

[54] "SYNERGISTIC ADMIXTURES OF GABAPENTIN AND KETOPROFEN, PHARMACEUTICAL COMPOSITIONS AND THEIR MEDICAL USE"

[54] MELANGES SYNERGIQUES DE GABAPENTINE ET DE KETOPROFENE, COMPOSITIONS PHARMACEUTIQUES ET LEUR UTILISATION MEDICALE

[72] ARAMINI, ANDREA, IT

[72] ALLEGRETTI, MARCELLO, IT

[72] BIANCHINI, GIANLUCA, IT

[72] LILLINI, SAMUELE, IT

[72] TOMASSETTI, MARA, IT

[72] BRANDOLINI, LAURA, IT

[71] DOMPE' FARMACEUTICI SPA, IT

[85] 2022-09-29

[86] 2021-04-21 (PCT/EP2021/060426)

[87] (WO2021/214163)

[30] EP (P20170737.9) 2020-04-21

[21] **3,178,873**

[13] A1

[51] Int.Cl. A01N 25/04 (2006.01) A01N 25/30 (2006.01) A01N 37/40 (2006.01) A01N 37/48 (2006.01) A01N 39/04 (2006.01) A01N 41/06 (2006.01)

[25] EN

[54] PHYTOSANITARY HERBICIDE COMPOSITION IN THE FORM OF A MICROEMULSION WITH LOW SURFACTANT CONTENT AND HIGH COMPATIBILITY IN ULTRA-LOW VOLUME SPRAY LIQUIDS, AND METHOD FOR OBTAINING IT

[54] COMPOSITION PHYTOSANITAIRE D'HERBICIDES SOUS FORME DE MICRO-EMULSION A FAIBLE TENEUR EN TENSIOACTIFS, A COMPATIBILITE ELEVEE EN BOUILLONS D'ASPERSION D'ULTRA FAIBLE VOLUME, ET PRO CEDE D'OBTENTION DE CELLE-CI

[72] GALAN ROMANO, FELIX SILVESTRE, AR

[71] RED SURCOS COLOMBIA S.A.S., CO

[85] 2022-09-29

[86] 2020-10-20 (PCT/IB2020/059866)

[87] (WO2021/205222)

[30] AR (P20200101010) 2020-04-08

[21] **3,178,874**

[13] A1

[51] Int.Cl. A61K 31/713 (2006.01) C12N 15/113 (2010.01) A61P 25/08 (2006.01)

[25] EN

[54] COMPOUNDS FOR USE IN THE TREATMENT OF EPILEPSY

[54] COMPOSES DESTINES A ETRE UTILISES DANS LE TRAITEMENT DE L'EPILEPSIE

[72] BOILEAU, CELINE, FR

[72] CREPEL, VALERIE, FR

[72] DEFORGES, SEVERINE, FR

[72] MASANTE, JULIE, FR

[72] MULLE, CHRISTOPHE, FR

[72] PERET, ANGELIQUE, FR

[72] DANOS, OLIVIER, US

[72] MERCER, ANDREW, US

[71] REGENXBIO INC., US

[71] INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE), FR

[71] UNIVERSITE D'AIX MARSEILLE, FR

[71] UNIVERSITE DE BORDEAUX, FR

[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS), FR

[85] 2022-09-29

[86] 2021-07-09 (PCT/EP2021/069186)

[87] (WO2022/008725)

[30] EP (PCT/EP2020/069610) 2020-07-10

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<p>[21] 3,178,875 [13] A1</p> <p>[51] Int.Cl. C07K 14/165 (2006.01) C07K 14/005 (2006.01)</p> <p>[25] EN</p> <p>[54] RECOMBINANT NEWCASTLE DISEASE VIRUS EXPRESSING SARS-COV-2 SPIKE PROTEIN AND USES THEREOF</p> <p>[54] VIRUS RECOMBINANT DE LA MALADIE DE NEWCASTLE EXPRIMANT LA PROTEINE DE SPICULE DE SARS-COV-2 ET SES UTILISATIONS</p> <p>[72] SUN, WEINA, US</p> <p>[72] KRAMMER, FLORIAN, US</p> <p>[72] GARCIA-SASTRE, ADOLFO, US</p> <p>[72] PALESE, PETER, US</p> <p>[71] ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI, US</p> <p>[85] 2022-09-29</p> <p>[86] 2021-05-06 (PCT/US2021/031110)</p> <p>[87] (WO2021/226348)</p> <p>[30] US (63/021,677) 2020-05-07</p> <p>[30] US (63/051,858) 2020-07-14</p> <p>[30] US (63/057,267) 2020-07-27</p> <p>[30] US (63/058,435) 2020-07-29</p> <p>[30] US (63/059,924) 2020-07-31</p> <p>[30] US (PCT/US2021/022848) 2021-03-17</p>
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<p>[21] 3,178,877 [13] A1</p> <p>[51] Int.Cl. A23G 1/04 (2006.01) A23G 1/12 (2006.01) A23G 1/46 (2006.01)</p> <p>[25] EN</p> <p>[54] PROCESS FOR MANUFACTURING A CHOCOLATE PRODUCT AND A CHOCOLATE PRODUCT PRODUCED USING THE PROCESS</p> <p>[54] PROCEDE DE PRODUCTION D'UN PRODUIT DE CHOCOLAT ET PRODUIT DE CHOCOLAT PRODUIT A L'AIDE DU PROCEDE</p> <p>[72] BROWN, ANTHONY, GB</p> <p>[72] MENDL, CHRISTIAN JOHANN, DE</p> <p>[72] SIMBUERGER, STEPHAN, DE</p> <p>[72] AWUAH, GABRIELA, GB</p> <p>[72] BROWN, DAVID, GB</p> <p>[72] PERRIE, KATIE, GB</p> <p>[72] MATHESON, IAN, GB</p> <p>[71] KRAFT FOODS SCHWEIZ HOLDING GMBH, CH</p> <p>[85] 2022-09-29</p> <p>[86] 2021-07-26 (PCT/EP2021/070825)</p> <p>[87] (WO2022/023249)</p> <p>[30] GB (2011671.1) 2020-07-28</p>
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<p>[21] 3,178,878 [13] A1</p> <p>[51] Int.Cl. A61K 31/352 (2006.01) A61K 9/00 (2006.01) A61K 31/05 (2006.01) A61P 21/00 (2006.01) A61P 25/28 (2006.01) A61P 29/00 (2006.01) C07C 39/23 (2006.01) C07D 311/80 (2006.01)</p> <p>[25] EN</p> <p>[54] TRANSDERMAL AND/OR TOPICAL PHARMACEUTICAL FORMULATIONS COMPRISING CANNABIDIOL AND/OR TETRAHYDROCANNABINOL FOR THE TREATMENT OF CHRONIC PAIN</p> <p>[54] FORMULATIONS PHARMACEUTIQUES TRANSDERMIALES ET/OU TOPIQUES COMPRENANT DU CANNABIDIOL ET/OU DU TETRAHYDROCANNABINOL POUR LE TRAITEMENT DE LA DOULEUR CHRONIQUE</p> <p>[72] PLAKOGIANNIS, FOTIOS M., US</p> <p>[72] LATHER, TAMANNA, US</p> <p>[71] PIKE THERAPEUTICS, INC., CA</p> <p>[85] 2022-09-29</p> <p>[86] 2021-04-20 (PCT/IB2021/000261)</p> <p>[87] (WO2021/214545)</p> <p>[30] US (63/012,428) 2020-04-20</p>
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<p>[21] 3,178,879 [13] A1</p> <p>[51] Int.Cl. B05B 3/00 (2006.01)</p> <p>[25] EN</p> <p>[54] NOZZLE ASSEMBLY FOR DELIVERING AN OSCILLATING SPRAY PATTERN</p> <p>[54] ENSEMBLE BUSE POUR DISTRIBUER UN MOTIF DE PULVERISATION OSCILLANT</p> <p>[72] SCHULLER, PETER, US</p> <p>[72] OLSON, RYAN, US</p> <p>[71] SONNY'S HFI HOLDINGS, LLC, US</p> <p>[85] 2022-09-29</p> <p>[86] 2021-05-07 (PCT/US2021/031339)</p> <p>[87] (WO2021/226488)</p> <p>[30] US (63/021,811) 2020-05-08</p> <p>[30] US (17/204,251) 2021-03-17</p>
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<p>[21] 3,178,880 [13] A1</p> <p>[51] Int.Cl. A61K 47/68 (2017.01) A61K 39/395 (2006.01) A61K 51/10 (2006.01) A61P 35/00 (2006.01) C07K 16/36 (2006.01) C12N 15/13 (2006.01)</p> <p>[25] EN</p> <p>[54] FIBRIN-BINDING ANTIBODY AND PHARMACEUTICAL COMPOSITION CONTAINING ANTIBODY</p> <p>[54] ANTICORPS DE LIAISON A LA FIBRINE ET COMPOSITION PHARMACEUTIQUE CONTENANT L'ANTICORPS</p> <p>[72] MATSUMURA, YASUHIRO, JP</p> <p>[72] HANAOKA, SHINGO, JP</p> <p>[72] SAIJO, SHINJI, JP</p> <p>[71] NATIONAL CANCER CENTER, JP</p> <p>[71] RIN INSTITUTE INC., JP</p> <p>[85] 2022-09-29</p> <p>[86] 2021-03-30 (PCT/JP2021/013512)</p> <p>[87] (WO2021/200932)</p> <p>[30] JP (2020-061975) 2020-03-31</p>
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<p>[21] 3,178,882 [13] A1</p> <p>[51] Int.Cl. A61P 37/00 (2006.01) C07K 14/705 (2006.01)</p> <p>[25] EN</p> <p>[54] APRIL AND BAFF INHIBITORY IMMUNOMODULATORY PROTEINS AND METHODS OF USE THEREOF</p> <p>[54] PROTEINES IMMUNOMODULATRICES INHIBITRICES D'APRIL ET DE BAFF ET LEURS PROCEDES D'UTILISATION</p> <p>[72] DILLON, STACEY, US</p> <p>[72] RIXON, MARK, US</p> <p>[72] EVANS, LAWRENCE, US</p> <p>[72] DEMONTE, DANIEL WILLIAM, US</p> <p>[72] KUIJPER, JOSEPH L., US</p> <p>[72] PENG, STANFORD L., US</p> <p>[71] ALPINE IMMUNE SCIENCES, INC., US</p> <p>[85] 2022-09-29</p> <p>[86] 2021-05-07 (PCT/US2021/031430)</p> <p>[87] (WO2021/226551)</p> <p>[30] US (63/022,373) 2020-05-08</p> <p>[30] US (63/034,361) 2020-06-03</p> <p>[30] US (63/080,643) 2020-09-18</p>
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**[21] 3,178,883**  
[13] A1

- [51] Int.Cl. A61N 1/04 (2006.01) A61N 1/06 (2006.01) A61N 1/36 (2006.01) A61N 1/40 (2006.01) C08F 214/18 (2006.01)
  - [25] EN
  - [54] FLEXIBLE TRANSDUCER ARRAYS WITH A POLYMER INSULATING LAYER FOR APPLYING TUMOR TREATING FIELDS (TTFIELDS)
  - [54] RESEAUX DE TRANSDUCTEURS FLEXIBLES DOTES D'UNE COUCHE POLYMERIS ISOLANTE PERMETTANT L'APPLICATION DE CHAMPS DE TRAITEMENT DES TUMEURS (TTFIELDS)
  - [72] WASSERMAN, YORAM, IL
  - [72] KUPLENNIK, NATALIYA, CH
  - [72] OBUCHOVSKY, STAS, CH
  - [71] NOVOCURE GMBH, CH
  - [85] 2022-09-29
  - [86] 2021-06-29 (PCT/IB2021/000449)
  - [87] (WO2022/003419)
  - [30] US (63/046,337) 2020-06-30
  - [30] US (63/083,557) 2020-09-25
  - [30] US (63/146,516) 2021-02-05
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[13] A1

- [51] Int.Cl. E01C 7/26 (2006.01) E01C 23/00 (2006.01)
  - [25] EN
  - [54] METHOD FOR CONSTRUCTING ROADBASE LAYER, AND MIXTURE FOR USE IN SAID METHOD
  - [54] PROCEDE DE CONSTRUCTION DE COUCHE DE BASE DE ROUTE, ET MELANGE DESTINE A ETRE UTILISE DANS LEDIT PROCEDE
  - [72] BANBA, KOKI, JP
  - [72] HIRAKA, TOMIO, JP
  - [72] IITAKA, HIROYUKI, JP
  - [72] YAMAMOTO, TAKAHIRO, JP
  - [71] NICHIREKI CO., LTD., JP
  - [85] 2022-09-29
  - [86] 2021-03-30 (PCT/JP2021/013716)
  - [87] (WO2021/201051)
  - [30] JP (2020-061563) 2020-03-30
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**[21] 3,178,885**  
[13] A1

- [51] Int.Cl. A61P 37/00 (2006.01) C07K 14/705 (2006.01) C07K 19/00 (2006.01) C07K 14/71 (2006.01) C07K 16/28 (2006.01)
  - [25] EN
  - [54] APRIL AND BAFF INHIBITORY IMMUNOMODULATORY PROTEINS WITH AND WITHOUT A T CELL INHIBITORY PROTEIN AND METHODS OF USE THEREOF
  - [54] PROTEINES IMMUNOMODULATRICES INHIBITRICES DE BAFF ET APRIL AVEC ET SANS PROTEINE INHIBITRICE DES LYMPHOCYTES T ET LEURS PROCEDES D'UTILISATION
  - [72] DILLON, STACEY, US
  - [72] RIXON, MARK, US
  - [72] EVANS, LAWRENCE, US
  - [72] DEMONTE, DANIEL WILLIAM, US
  - [72] KUIJPER, JOSEPH L., US
  - [72] PENG, STANFORD L., US
  - [72] SWANSON, RYAN, US
  - [71] ALPINE IMMUNE SCIENCES, INC., US
  - [85] 2022-09-29
  - [86] 2021-05-07 (PCT/US2021/031432)
  - [87] (WO2021/226553)
  - [30] US (63/022,373) 2020-05-08
  - [30] US (63/034,361) 2020-06-03
  - [30] US (63/080,643) 2020-09-18
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**[21] 3,178,886**  
[13] A1

- [51] Int.Cl. A61B 17/80 (2006.01)
  - [25] EN
  - [54] SUPRAPECTINEAL QUADRILATERAL BONE PLATING SYSTEM
  - [54] SYSTEME DE PLACAGE OSSEUX QUADRILATERAL SUPRAPECTINAL
  - [72] BARRALL, BENJAMIN, US
  - [71] DEPUY SYNTHES PRODUCTS, INC., US
  - [85] 2022-09-29
  - [86] 2021-03-19 (PCT/IB2021/052332)
  - [87] (WO2021/205263)
  - [30] US (16/843,206) 2020-04-08
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**[21] 3,178,887**  
[13] A1

- [51] Int.Cl. H04L 12/28 (2006.01) H04W 84/18 (2009.01) H04W 88/06 (2009.01) H04W 40/12 (2009.01) H04W 80/00 (2009.01) H04W 80/02 (2009.01) H04W 84/10 (2009.01) H04W 84/12 (2009.01)
  - [25] EN
  - [54] THREAD OVER INTERNET PROTOCOL
  - [54] PROTOCOLE DE FIL SUR INTERNET
  - [72] HUI, JONATHAN WING-YAN, US
  - [72] KESHAVARZIAN, ABTIN, US
  - [72] SMITH, MATT DANIEL, US
  - [72] XU, YAKUN, US
  - [71] GOOGLE LLC, US
  - [85] 2022-09-29
  - [86] 2021-05-14 (PCT/US2021/032422)
  - [87] (WO2021/231844)
  - [30] US (63/025,791) 2020-05-15
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**[21] 3,178,889**  
[13] A1

- [51] Int.Cl. C12N 15/113 (2010.01) C12Q 1/6837 (2018.01) C12Q 1/6883 (2018.01) C12N 15/09 (2006.01)
- [25] EN
- [54] KIT OR DEVICE AND METHOD FOR DETECTING HIPPOCAMPAL ATROPHY
- [54] KIT OU DISPOSITIF ET PROCEDE DE DETECTION DE L'ATROPHIE HIPPOCAMPIQUE
- [72] KASHIMURA, CHIORI, JP
- [72] SUDO, HIROKO, JP
- [72] YOSHIMOTO, MAKIKO, JP
- [72] NIIDA, SHUMPEI, JP
- [72] ITO, KENGO, JP
- [72] SHIGEMIZU, DAICHI, JP
- [72] KATO, TAKASHI, JP
- [72] NAKAMURA, AKINORI, JP
- [71] TORAY INDUSTRIES, INC., JP
- [71] NATIONAL CENTER FOR GERIATRICS AND GERONTOLOGY, JP
- [85] 2022-09-29
- [86] 2021-03-31 (PCT/JP2021/013807)
- [87] (WO2021/201092)
- [30] JP (2020-064383) 2020-03-31

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[21] **3,178,890**  
[13] A1

- [51] Int.Cl. G08B 13/196 (2006.01) H04N 7/18 (2006.01)
- [25] EN
- [54] OPERATING WIRELESS DEVICES AND IMAGE DATA SYSTEMS
- [54] FONCTIONNEMENT DE DISPOSITIFS SANS FIL ET DE SYSTEMES DE DONNEES D'IMAGE
- [72] LAURANS, CHARLES, US
- [72] SUBRAMANY, RAHUL, US
- [72] HOLIGAN, DARRELL ANDREW, US
- [72] NOONAN, MICHAEL E., US
- [71] SIMPLISAFE, INC., US
- [85] 2022-09-29
- [86] 2021-05-14 (PCT/US2021/032494)
- [87] (WO2021/236450)
- [30] US (63/026,412) 2020-05-18

[21] **3,178,892**  
[13] A1

- [51] Int.Cl. C07H 1/00 (2006.01) C07H 19/067 (2006.01) C07H 19/167 (2006.01) C07H 21/02 (2006.01)
- [25] EN
- [54] SYNTHESIS OF OLIGONUCLEOTIDES AND RELATED COMPOUNDS
- [54] SYNTHESE D'OLIGONUCLEOTIDES ET DE COMPOSES ASSOCIES
- [72] ZHONG, MINGHONG, US
- [72] JIN, YI, US
- [72] GALA, DINESH, US
- [72] PRHAVC, MARIJA, US
- [71] JANSSEN BIOPHARMA, INC., US
- [85] 2022-09-29
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- [25] EN
- [54] DEVICE AND ASSEMBLY FOR REPAIRING SOFT TISSUES, FOR EXAMPLE TENDONS AND LIGAMENTS
- [54] DISPOSITIF ET ENSEMBLE DE REPARATION DE TISSUS MOUS, PAR EXEMPLE DES TENDONS ET DES LIGAMENTS
- [72] SURACE, CECILIA, IT
- [72] CIVERA, MARCO, IT
- [72] RODRIGUEZ REINOSO, MARIANA, IT
- [72] GRIMALDO RUIZ, OLIVER, IT
- [72] PAOLUCCI, EMILIO, IT
- [72] BERGAMIN, FEDERICA, IT
- [72] PUGNO, NICOLA MARIA, IT
- [71] POLITECNICO DI TORINO, IT
- [71] UNIVERSITA DEGLI STUDI DI TRENTO, IT
- [85] 2022-09-29
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- [25] EN
- [54] PHARMACEUTICAL COMPOSITIONS AND PHARMACEUTICAL PRODUCTS OF HETERO DIMERIC HUMAN INTERLEUKIN-15 (HETIL-15)
- [54] COMPOSITIONS PHARMACEUTIQUES ET PRODUITS PHARMACEUTIQUES D'INTERLEUKINE-15 HUMAINE HETERO DIMERIQUE (HETIL-15)
- [72] FISCHER, INGO, CH
- [72] GABRIEL, RICHARD, CH
- [71] NOVARTIS AG, CH
- [85] 2022-09-29
- [86] 2021-04-20 (PCT/IB2021/053254)
- [87] (WO2021/214658)
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- [25] EN
- [54] PANELS AND METHODS OF PREPARATION THEREOF
- [54] PANNEAUX ET LEURS PROCEDES DE PREPARATION
- [72] LAKROUT, HAMED, US
- [72] MOHAND-KACI, SOUFIANE, US
- [72] HILL, RUSSELL L., US
- [72] BUONI, WAYNE, US
- [72] MAJORS, RUSS KENDAL, US
- [72] SHAW, BRIAN ALLEN, US
- [71] WESTLAKE ROYAL BUILDING PRODUCTS INC., US
- [85] 2022-09-29
- [86] 2021-05-28 (PCT/US2021/034923)
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- [54] BARRIERE POUR CHAUSSEE
- [72] SEGUIN, MARC-ANDRE, CA
- [72] GAUVIN, JEAN-PHILIPPE, CA
- [71] INVESTISSEMENTS QMB INC., CA
- [85] 2022-09-30
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  - [54] CONVERTER MODULATION FOR REDUCTION OF COMMON-MODE LEAKAGE CURRENT
  - [54] MODULATION DE CONVERTISSEUR POUR REDUIRE LE COURANT DE FUITE EN MODE COMMUN
  - [72] LEHN, PETER WALDEMAR, CA
  - [72] CASTRO DINIZ VIANA, CANIGGIA, CA
  - [72] SEMSAR, SEPEHR, CA
  - [72] PATHMANATHAN, MEHANATHAN, CA
  - [71] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA
  - [71] ELEAPPOWER LTD., CA
  - [85] 2022-09-30
  - [86] 2021-06-24 (PCT/CA2021/050871)
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- [54] SOUND CONTROL COMPONENTS COMPRISING FOAM COMPOSITES
- [54] ELEMENTS DE COMMANDE SONORE COMPRENANT DES COMPOSITES EN MOUSSE
- [72] LAKROUT, HAMED, US
- [72] HILL, RUSSELL L., US
- [72] RATHBONE, ROBERT F., US
- [71] WESTLAKE ROYAL BUILDING PRODUCTS INC., US
- [85] 2022-09-29
- [86] 2021-06-09 (PCT/US2021/036516)
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  - [54] DIRECT IN VIVO REPROGRAMMING USING TRANSCRIPTION FACTOR ETV2 GENE FOR ENDOTHELIAL CELL AND VESSEL FORMATION
  - [54] REPROGRAMMATION DIRECTE IN VIVO A L'AIDE D'UN GENE DE FACTEUR DE TRANSCRIPTION ETV2 POUR LA FORMATION DE CELLULES ENDOTHELIALES ET DE VAISSEAUX
  - [72] YOON, YOUNG-SUP, US
  - [72] LEE, SANG HO, US
  - [72] BAE, SEONGHO, US
  - [71] EMORY UNIVERSITY, US
  - [85] 2022-09-29
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  - [25] EN
  - [54] DISSOLVABLE SOLID FIBROUS ARTICLES CONTAINING ANIONIC SURFACTANTS
  - [54] ARTICLES FIBREUX, SOLIDES, SOLUBLES, CONTENANT DES TENSIOACTIFS ANIONIQUES
  - [72] SONG, BRIAN XIAOQING, US
  - [71] THE PROCTER & GAMBLE COMPANY, US
  - [85] 2022-09-29
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  - [54] INSTRUMENT MONITORING SYSTEM
  - [54] SYSTEME DE SURVEILLANCE D'INSTRUMENTS
  - [72] FASANI, RICK, US
  - [71] AGILENT TECHNOLOGIES, INC., US
  - [85] 2022-09-29
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  - [30] US (63/046,964) 2020-07-01
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- [25] EN

- [54] REDUCED FAT CONTINUOUS CONFECTIONS CONTAINING INSOLUBLE DIETARY FIBERS

- [54] CONFISERIES CONTINUES A TENEUR REDUITE EN MATIERES GRASSES CONTENANT DES FIBRES ALIMENTAIRES INSOLUBLES
  - [72] MUKHERJEE, INDRANEIL, US
  - [72] SPELMAN, KIERAN P., US
  - [71] INTERCONTINENTAL GREAT BRANDS LLC, US
  - [85] 2022-09-29
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- [25] EN
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- [54] PRODUITS DE BOULANGERIE-PATISSERIE SANS GLUTEN
- [72] SPALDO, JENNIFER, US
- [71] INTERCONTINENTAL GREAT BRANDS LLC, US
- [85] 2022-09-29
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[54] COMESTIBLE PRODUCTS  
[54] PRODUITS COMESTIBLES  
[72] DIMARTINO, GIANLUCA, US  
[72] MUKHERJEE, INDRANEIL, US  
[72] PRICE, WAYNE, GB  
[71] INTERCONTINENTAL GREAT BRANDS LLC, US  
[85] 2022-09-29  
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[25] EN  
[54] SYSTEMS FOR INTER-FRACTURE FLOODING OF WELLBORES AND METHODS OF USING THE SAME  
[54] SYSTEMES D'INJECTION INTER-FRACTURES DE PUITS DE FORAGE ET LEURS PROCEDES D'UTILISATION  
[72] FU, XUEBING, US  
[71] FU, XUEBING, US  
[85] 2022-09-29  
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[87] (WO2021/203137)  
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[25] EN  
[54] LIQUID FORMULATIONS OF INDACATEROL  
[54] FORMULATIONS LIQUIDES D'INDACATEROL  
[72] CHAN, JOHN, US  
[72] UNG, KEITH TRY, US  
[72] KUO, MEI-CHANG, US  
[72] PRITCHARD, JOHN NIGEL, GB  
[71] IPHARMA LABS, INC., US  
[85] 2022-09-29  
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[25] EN  
[54] MULTI-CHANNEL ARRAY SENSOR FOR SPATIOTEMPORAL SIGNAL TRACKING  
[54] CAPTEUR EN RESEAU MULTICANAL POUR SUIVI DE SIGNAL SPATIOTEMPOREL  
[72] LIU, RAY, US  
[72] KIM, JOSHUA, US  
[72] LEE, EUGENE, US  
[71] VENA VITALS, INC., US  
[85] 2022-09-29  
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[87] (WO2022/173831)  
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[25] EN  
[54] CONFIGURATION, UNBOXING, AND CRAFTING OF TOKEN-BASED ASSETS  
[54] CONFIGURATION, DEBALLAGE ET DECORATION D'ACTIFS BASES SUR DES JETONS  
[72] QUIGLEY, WILLIAM EDWARD, US  
[72] YANTIS, JONATHAN, US  
[72] SLIWKA, LUKASZ JAKUB, US  
[72] SELDON, JASON, US  
[71] QUIGLEY, WILLIAM EDWARD, US  
[71] YANTIS, JONATHAN, US  
[71] SLIWKA, LUKASZ JAKUB, US  
[71] SELDON, JASON, US  
[85] 2022-09-29  
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[87] (WO2022/178096)  
[30] US (63/151,047) 2021-02-18  
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[30] US (63/177,665) 2021-04-21  
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[25] EN  
[54] ANTI-AGING COMPOSITIONS AND USES THEREOF  
[54] COMPOSITIONS ANTI-AGE ET LEURS UTILISATIONS  
[72] KATCHER, HAROLD, US  
[72] SANGHAVI, AKSHAY, US  
[71] YUVAN RESEARCH, INC., US  
[85] 2022-09-29  
[86] 2022-01-05 (PCT/US2022/070048)  
[87] (WO2022/150818)  
[30] US (63/134,556) 2021-01-06

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[13] A1

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[25] EN  
[54] STEELMAKING LINE AND METHOD OF PRODUCING REDUCED IRON  
[54] INSTALLATION DE FABRICATION DE FER ET PROCEDE DE FABRICATION DE FER REDUIT  
[72] TAKAHASHI, KOICHI, JP  
[72] OZAWA, SUMITO, JP  
[72] KAWASHIRI, YUKI, JP  
[72] MORITA, YUYA, JP  
[72] NOUCHI, TAIHEI, JP  
[72] SATO, MICHITAKA, JP  
[71] JFE STEEL CORPORATION, JP  
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  - [25] EN
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  - [54] DISPOSITIF DE RECUPERATION DE CO<sub>2</sub> ET PROCEDE DE RECUPERATION DE CO<sub>2</sub>
  - [72] TANAKA, HIROSHI, JP
  - [72] HIRATA, TAKUYA, JP
  - [72] TSUJIUCHI, TATSUYA, JP
  - [72] KAMIO, TAKASHI, JP
  - [72] KAWASAKI, SHIMPEI, JP
  - [71] MITSUBISHI HEAVY INDUSTRIES ENGINEERING, LTD., JP
  - [71] THE KANSAI ELECTRIC POWER CO., INC., JP
  - [85] 2022-09-29
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- [25] EN
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- [54] INTERACTION DE PROTEINES DE SRAS-COV-2 AVEC DES MECANISMES MOLECULAIRES ET CELLULAIRES DE CELLULES HOTES ET FORMULATIONS POUR TRAITER LA COVID-19
- [72] MERCHANT, SHREEMA, CA
- [72] DUNCAN, ROBIN ELAINE, CA
- [72] JADHAV, VISHAL ANANT, IN
- [72] FERNANDES, MARIA FERNANDA DE ANDRADE, CA
- [72] PATEL, MANIT, CA
- [71] AKSEERA PHARMA CORP., CA
- [71] MERCHANT, SHREEMA, CA
- [71] PATEL, MANIT, CA
- [85] 2022-09-29
- [86] 2021-03-30 (PCT/IN2021/050325)
- [87] (WO2021/199078)
- [30] IN (202021030633) 2020-07-18
- [30] IN (202021054151) 2020-12-12

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  - [25] EN
  - [54] METHODS FOR ARTIFICIAL POLLINATION AND APPARATUS FOR DOING THE SAME
  - [54] PROCEDES DE POLLINISATION ARTIFICIELLE ET APPAREIL POUR LE FAIRE
  - [72] ELGRABLI, THAI, IL
  - [72] SENESH, IDO, IL
  - [72] KEREN, AVI, IL
  - [71] BUMBLEBEE A.I LTD., IL
  - [85] 2022-09-29
  - [86] 2021-04-06 (PCT/IL2021/050386)
  - [87] (WO2021/205442)
  - [30] US (63/005,677) 2020-04-06
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- [25] FR
- [54] FLAME RETARDANT TREATMENT OF LIGNOCELLULOSIC MATERIALS, RESULTING FLAME-RETARDED LIGNOCELLULOSIC MATERIALS, AND USES THEREOF
- [54] PROCEDE D'IGNIFUGATION DE MATERIAUX LIGNOCELLULOSIQUES, MATERIAUX LIGNOCELLULOSIQUES IGNIFUGES AINSI OBTENUS ET LEURS UTILISATIONS

- [72] BROSSE, NICOLAS, FR
- [72] KAPEL, ROMAIN, FR
- [72] SONNIER, RODOLPHE, FR
- [72] EL HAGE, ROLAND, LB
- [72] SEGOVIA, CESAR, FR
- [72] ANTOUN, KARINA, FR
- [72] MOUSSA, MARIA, LB
- [71] UNIVERSITE DE LORRAINE, FR
- [71] INSTITUT MINES TELECOM, FR
- [71] UNIVERSITE LIBANAISE, LB
- [85] 2022-09-30
- [86] 2021-04-08 (PCT/FR2021/050628)
- [87] (WO2021/205128)
- [30] FR (FR2003600) 2020-04-09

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  - [25] EN
  - [54] LENS WITH SURFACE MICROSTRUCTURES ENCAPSULATED BY A THICK LOW REFRACTIVE INDEX HARD COAT
  - [54] LENTILLE A MICROSTRUCTURES DE SURFACE ENCAPSULEES PAR UN REVETEMENT DUR EPAIS A FAIBLE INDICE DE REFRACTION
  - [72] BITEAU, JOHN, US
  - [72] JIANG, PEIQI, US
  - [71] ESSILOR INTERNATIONAL, FR
  - [85] 2022-09-30
  - [86] 2021-04-15 (PCT/EP2021/059725)
  - [87] (WO2021/209527)
  - [30] EP (20315189.9) 2020-04-17
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- [54] VACCINS CONTRE LA GRIPPE
- [72] HEENEY, JONATHAN LUKE, GB
- [72] VISHWANATH, SNEHA, GB
- [72] CARNELL, GEORGE, GB
- [72] WELLS, DAVID, GB
- [72] FERRARI, MATTEO, GB
- [71] DIOSYNVAX LTD, GB
- [71] THE CHANCELLOR, MASTERS AND SCHOLARS OF THE UNIVERSITY OF CAMBRIDGE, GB
- [85] 2022-09-30
- [86] 2021-04-01 (PCT/GB2021/050825)
- [87] (WO2021/198701)
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- [25] EN
- [54] CORONAVIRUS VACCINES
- [54] VACCINS CONTRE LE CORONAVIRUS
- [72] HEENEY, JONATHAN LUKE, GB
- [72] VISHWANATH, SNEHA, GB
- [72] CARNELL, GEORGE, GB
- [72] WELLS, DAVID, GB
- [72] FERRARI, MATTEO, GB
- [71] DIOSYNVAX LTD, GB
- [71] THE CHANCELLOR, MASTERS AND SCHOLARS OF THE UNIVERSITY OF CAMBRIDGE, GB
- [85] 2022-09-30
- [86] 2021-04-01 (PCT/GB2021/050830)
- [87] (WO2021/198706)
- [30] GB (2004826.0) 2020-04-01
- [30] GB (2010672.0) 2020-07-10
- [30] GB (2015775.6) 2020-10-05
- [30] GB (2101824.7) 2021-02-10
- [30] GB (2103214.9) 2021-03-08

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- [25] EN
- [54] NAPHTHYRIDINE COMPOUNDS AS INHIBITORS OF MER TYROSINE KINASE AND AXL TYROSINE KINASE
- [54] COMPOSES DE LA NAPHTHYRIDINE EN TANT QU'INHIBITEURS DE LA TYROSINE KINASE MER ET DE LA TYROSINE KINASE AXL
- [72] WALKER, EDWARD RICHARD, GB
- [72] GORMAN, TIMOTHY WILLIAM, GB
- [72] AILLARD, BORIS, GB
- [72] MCCARTHY, CLIVE, GB
- [71] KINSENSUS LIMITED, GB
- [85] 2022-09-30
- [86] 2021-04-01 (PCT/GB2021/050833)
- [87] (WO2021/198709)
- [30] GB (2004960.7) 2020-04-03

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- [25] EN
- [54] REDUCING DRIVING RISK
- [54] REDUCTION DU RISQUE DE CONDUITE
- [72] BRADLEY, WILLIAM, US
- [72] MADDEN, SAMUEL ROSS, US
- [72] PADOWSKI, GREGORY DAVID, US
- [71] CAMBRIDGE MOBILE TELEMATICS INC., US
- [85] 2022-09-30
- [86] 2021-03-29 (PCT/US2021/024637)
- [87] (WO2021/202367)
- [30] US (16/835,678) 2020-03-31

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- [25] EN
- [54] USE OF BUPROPION AND DEXTROMETHORPHAN COMBINATIONS FOR TREATING NEUROLOGICAL DISORDERS

- [54] UTILISATION DE COMBINAISONS DE BUPROPION ET DE DEXTROMETHORPHANE POUR LE TRAITEMENT DE TROUBLES NEUROLOGIQUES
- [72] TABUTEAU, HERRIOT, US
- [71] ANTECIP BIOVENTURES II LLC, US
- [85] 2022-09-30
- [86] 2021-03-29 (PCT/US2021/024718)
- [87] (WO2021/202419)
- [30] US (63/002,132) 2020-03-30
- [30] US (63/016,178) 2020-04-27
- [30] US (63/032,517) 2020-05-29
- [30] US (63/032,567) 2020-05-30
- [30] US (16/894,713) 2020-06-05

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- [51] Int.Cl. A61K 47/68 (2017.01)
- [25] EN
- [54] DIELS-ALDER CONJUGATION METHODS
- [54] PROCEDES DE CONJUGAISON DE DIELS-ALDER
- [72] NITTOLI, THOMAS, US
- [71] REGENERON PHARMACEUTICALS, INC., US
- [85] 2022-09-29
- [86] 2021-04-16 (PCT/US2021/027707)
- [87] (WO2021/211984)
- [30] US (63/010,903) 2020-04-16

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- [25] EN
- [54] EXCITATION-QUADRATURE-QUADRATURE TRANSMITTER WIRELESS POWER TRANSFER SYSTEM
- [54] SYSTEME DE TRANSFERT D'ENERGIE SANS FIL A EMETTEUR EN QUADRATURE-QUADRATURE-D'EXCITATION
- [72] LUO, ZHICHAO, CA
- [72] NIE, SHUANG, CA
- [72] PATHMANATHAN, MEHANATHAN, CA
- [72] LEHN, PETER WALDEMAR, CA
- [71] THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, CA
- [71] ELEAPPOWER LTD., CA
- [85] 2022-09-30
- [86] 2022-02-09 (PCT/CA2022/050182)
- [87] (WO2022/170424)
- [30] US (63/147,637) 2021-02-09

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- [25] EN
- [54] COMPOUNDS AS C5AR INHIBITORS
- [54] COMPOSES UTILISES EN TANT QU'INHIBITEURS DE C5AR
- [72] PAN, GONGHUA, CN
- [72] ZHU, XIHUA, CN
- [72] ZHU, YINGJIE, CN
- [71] KIRA PHARMACEUTICALS (SUZHOU) LTD., CN
- [85] 2022-09-30
- [86] 2021-08-06 (PCT/CN2021/111236)
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- [30] CN (PCT/CN2020/107800) 2020-08-07

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  - [25] EN
  - [54] COMPOSITIONS COMPRISING 15-HEPE FOR TREATING OR PREVENTING HEMATOLOGIC DISORDERS, AND/OR RELATED DISEASES
  - [54] COMPOSITIONS COMPRENANT 15-HEPE POUR LE TRAITEMENT OU LA PREVENTION DE TROUBLES HEMATOLOGIQUES, ET/OU DE MALADIES ASSOCIEES
  - [72] CLIMAX, JOHN, IE
  - [72] HAMZA, MOAYED, IE
  - [72] WEISSBACH, MARKUS, IE
  - [72] COUGHLAN, DAVID, IE
  - [71] AFIMMUNE LIMITED, IE
  - [85] 2022-09-30
  - [86] 2020-04-03 (PCT/EP2020/059682)
  - [87] (WO2021/197639)
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- [25] EN
- [54] INTERFERON ALPHA 2 VARIANTS AND USES THEREOF
- [54] VARIANT D'INTERFERON ALPHA-2 ET UTILISATIONS ASSOCIEES
- [72] DITTMER, ULF, DE
- [72] SUTTER, KATHRIN, DE
- [72] TRILLING, MIRKO, DE
- [71] UNIVERSITAT DUISBURG-ESSEN, DE
- [85] 2022-09-30
- [86] 2021-04-20 (PCT/EP2021/060236)
- [87] (WO2021/214054)
- [30] EP (20170651.2) 2020-04-21

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  - [25] EN
  - [54] DEVICE FOR DEPOSITING VENEERS
  - [54] APPAREIL ET PROCEDE DE DEPOT DE BOIS DE PLACAGE
  - [72] KALWA, NORBERT, DE
  - [71] FLOORING TECHNOLOGIES LTD., MT
  - [85] 2022-09-30
  - [86] 2021-04-22 (PCT/EP2021/060560)
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  - [30] EP (20171402.9) 2020-04-24
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- [25] EN
- [54] DEUTERATED COMPOUNDS
- [54] COMPOSES DEUTERES
- [72] RANDS, PETER, GB
- [72] BENWAY, TIFFANIE, GB
- [72] JOEL, ZELAH, GB
- [72] LAYZELL, MARIE, GB
- [72] JAMES, ELLEN, GB
- [71] SMALL PHARMA LTD, GB
- [85] 2022-09-30
- [86] 2021-04-23 (PCT/EP2021/060750)
- [87] (WO2021/116503)
- [30] GB (2008303.6) 2020-06-02
- [30] EP (PCT/EP2020/065244) 2020-06-02
- [30] US (16/890,664) 2020-06-02
- [30] GB (2018950.2) 2020-12-01
- [30] US (17/108,679) 2020-12-01
- [30] GB (2018955.1) 2020-12-01
- [30] US (17/108,938) 2020-12-01
- [30] GB (2103981.3) 2021-03-22
- [30] US (17/208,583) 2021-03-22

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  - [25] EN
  - [54] ANTIBODY FORMULATION
  - [54] FORMULATION D'ANTICORPS
  - [72] MAJETI, RAVINDRA, US
  - [72] WEISSMAN, IRVING L., US
  - [72] NGUYEN, PHUONG, US
  - [71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
  - [71] FORTY SEVEN, INC., US
  - [85] 2022-09-30
  - [86] 2021-03-30 (PCT/US2021/024937)
  - [87] (WO2021/206965)
  - [30] US (63/005,755) 2020-04-06
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- [51] Int.Cl. C07D 295/02 (2006.01) C07D 487/04 (2006.01)
- [25] EN
- [54] PROCESS FOR THE PREPARATION OF A CHIRAL PIPERAZINE-2-CARBOXYLIC ACID
- [54] PROCEDE DE PREPARATION D'UN ACIDE PIPERAZINE-2-CARBOXYLIQUE CHIRAL
- [72] CINQUALBRE, JOSEPHINE ELIETTE FRANCOISE, CH
- [72] HILDBRAND, STEFAN, CH
- [72] TOSATTI, PAOLO, CH
- [72] PUENTENER, KURT, CH
- [72] WETZL, DENNIS, CH
- [72] IDING, HANS, CH
- [72] STOCKER, PATRICK, CH
- [72] FEDOU, NICOLAS MICKAEL, CH
- [72] SPURR, PAUL, CH
- [71] F. HOFFMANN-LA ROCHE AG, CH
- [85] 2022-09-30
- [86] 2021-04-26 (PCT/EP2021/060771)
- [87] (WO2021/219523)
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[25] EN  
[54] METHOD AND SYSTEM FOR ELECTROCHEMICALLY COMPRESSING GASEOUS HYDROGEN  
[54] PROCEDE ET SYSTEME DE COMPRESSION ELECTROCHIMIQUE D'HYDROGÈNE GAZEUX  
[72] HAMDAN, MONJID, US  
[72] MITTELSTEADT, CORTNEY, US  
[72] WEAVER, MATTHEW, US  
[72] STONE, ROBERT, US  
[71] PLUG POWER INC., US  
[85] 2022-09-30  
[86] 2021-01-29 (PCT/US2021/015780)  
[87] (WO2021/201962)  
[30] US (63/002,614) 2020-03-31

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[13] A1

[51] Int.Cl. C07D 401/14 (2006.01) C07D 471/12 (2006.01) C07D 487/04 (2006.01) C07D 495/04 (2006.01)  
[25] EN  
[54] ANTIVIRAL COMPOUNDS AND METHOD FOR TREATING RNA VIRAL INFECTION, PARTICULARLY COVID-19  
[54] COMPOSES ANTIVIRAUX ET METHODE DE TRAITEMENT D'UNE INFECTION VIRALE A ARN, EN PARTICULIER DE LA COVID-19  
[72] SOONG, TAI-SEN, US  
[71] SENHWA BIOSCIENCES, INC., CN  
[71] SOONG, TAI-SEN, US  
[85] 2022-09-30  
[86] 2021-03-18 (PCT/US2021/022976)  
[87] (WO2021/202114)  
[30] US (63/001,723) 2020-03-30  
[30] US (63/053,908) 2020-07-20

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[13] A1

[51] Int.Cl. E21B 4/02 (2006.01) E21B 17/07 (2006.01) E21B 17/10 (2006.01)  
[25] EN  
[54] INERTIA DAMPING SYSTEMS AND METHODS  
[54] SYSTEMES ET PROCEDES D'AMORTISSEMENT DE TORSION  
[72] SHEN, YUELIN, US  
[72] CARESTA, MAURO, GB  
[72] WOOLSTON, SCOTT RICHARD, US  
[72] PHILBRICK, CLINT WILLIAM, US  
[71] SCHLUMBERGER CANADA LIMITED, CA  
[85] 2022-09-30  
[86] 2021-03-30 (PCT/US2021/024826)  
[87] (WO2021/202484)  
[30] US (63/002,039) 2020-03-30  
[30] US (63/022,825) 2020-05-11

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[13] A1

[51] Int.Cl. C04B 7/12 (2006.01) C04B 7/13 (2006.01) F27B 1/00 (2006.01) F27D 17/00 (2006.01)  
[25] EN  
[54] DEVICE FOR PRODUCING SUPPLEMENTARY CEMENTITIOUS MATERIAL  
[54] DISPOSITIF DE PRODUCTION DE MATERIAU CIMENTAIRE SUPPLEMENTAIRE  
[72] DOSSING, LASSE NORBYE, DK  
[72] RASMUSSEN, MARTIN HAGSTED, DE  
[72] FONS, MOGENS JUHL, DK  
[71] CEMGREEN APS, DK  
[85] 2022-09-30  
[86] 2021-05-12 (PCT/EP2021/062740)  
[87] (WO2021/229009)  
[30] EP (20174299.6) 2020-05-13

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[13] A1

[51] Int.Cl. E21B 41/00 (2006.01) E21B 47/26 (2012.01) G05B 19/02 (2006.01)  
[25] EN  
[54] POWER MANAGEMENT AT A WELLSITE  
[54] GESTION DE LA CONSOMMATION D'ELECTRICITE SUR UN EMPLACEMENT DE FORAGE  
[72] KRIPPNER, NICK PAUL, US  
[72] ZAPICO, JAMES ARTHUR, US  
[72] GARCIA, MATEO, US  
[72] WHITE, CARLOS, US  
[71] SCHLUMBERGER CANADA LIMITED, CA  
[85] 2022-09-30  
[86] 2021-03-31 (PCT/US2021/025153)  
[87] (WO2021/202715)  
[30] US (63/002,574) 2020-03-31

[21] **3,179,173**  
[13] A1

[51] Int.Cl. C10G 11/05 (2006.01) C10G 50/00 (2006.01)  
[25] EN  
[54] PROCESS FOR CONVERTING C2-C5 HYDROCARBONS TO GASOLINE AND DIESEL FUEL BLENDSTOCKS  
[54] PROCEDE DE CONVERSION D'HYDROCARBURES EN C2-C5 EN ESSENCE ET MELANGES DE CARBURANT DIESEL  
[72] D'ACOSTA, CHRIS, US  
[72] MILLER, JEFFERY, US  
[72] SLUSS, KURTIS, US  
[72] WEGENHART, BENJAMIN, US  
[71] D'ACOSTA, CHRIS, US  
[71] MILLER, JEFFERY, US  
[71] SLUSS, KURTIS, US  
[71] WEGENHART, BENJAMIN, US  
[85] 2022-09-30  
[86] 2021-03-31 (PCT/US2021/025277)  
[87] (WO2021/202814)

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[21] 3,179,174  
[13] A1

[51] Int.Cl. B60N 2/28 (2006.01)  
[25] EN  
[54] CARRYCOT TO BE DETACHABLY MOUNTED ON A BASE BEING DISMOUNTABLY ATTACHED IN A VEHICLE OR ON A STROLLER FRAME  
[54] NACELLE DESTINEE A ETRE MONTEE DE MANIERE AMOVIBLE SUR UNE BASE FIXEE DE MANIERE DEMONTABLE DANS UN VEHICULE OU SUR UN CADRE DE POUSSETTE  
[72] CHEN, YINGZHONG, CN  
[71] BAMBINO PREZIOSO SWITZERLAND AG, CH  
[85] 2022-09-30  
[86] 2021-05-14 (PCT/EP2021/062822)  
[87] (WO2021/229051)  
[30] CN (202010406344.8) 2020-05-14  
[30] CN (202110504697.6) 2021-05-10

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[13] A1

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[25] EN  
[54] STEM CELL IMMUNOMODULATORY THERAPY FOR COVID-19 INFECTION  
[54] THERAPIE IMMUNOMODULATRICE DE CELLULES SOUCHES POUR UNE INFECTION PAR COVID-19  
[72] MITCHELL, DUANE, US  
[72] FLORES, CATHERINE, US  
[72] FRANCIS, CONNOR, US  
[71] UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INCORPORATED, US  
[85] 2022-09-30  
[86] 2021-04-02 (PCT/US2021/025665)  
[87] (WO2021/203061)  
[30] US (63/005,178) 2020-04-03  
[30] US (63/005,170) 2020-04-03

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[13] A1

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[25] EN  
[54] METHODS OF PURIFYING CHARGE-SHIELDED FUSION PROTEINS  
[54] PROCEDES DE PURIFICATION DE PROTEINES DE FUSION PROTEGEES PAR UNE CHARGE  
[72] MEANS, CHRISTOPHER KABLE, US  
[72] ZALTASH, SHAHPARAK, US  
[72] STELZER, NINA MP, US  
[71] JAZZ PHARMACEUTICALS IRELAND LTD., IE  
[71] PFENEX, INC., US  
[85] 2022-09-30  
[86] 2021-12-22 (PCT/US2021/073076)  
[87] (WO2022/140783)  
[30] US (63/130,295) 2020-12-23

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[13] A1

[51] Int.Cl. C12Q 1/6844 (2018.01) C12Q 1/6804 (2018.01) A61K 39/395 (2006.01) B01L 7/00 (2006.01) G01N 33/543 (2006.01)  
[25] EN  
[54] METHODS AND COMPOSITIONS FOR DETECTING TARGET NUCLEIC ACIDS AND RESOLVING SAMPLE MATRICES  
[54] PROCEDES ET COMPOSITIONS DE DETECTION D'ACIDES NUCLEIQUES CIBLES ET DE RESOLUTION DE MATRICES D'ECHANTILLONS  
[72] GLANTZ, SPENCER, US  
[72] KEMBLE, HENRY, FR  
[72] HANSEN, WILLIAM, A., US  
[72] MEYER, SARAI, US  
[72] LE, ANDREW, US  
[72] HENN, ELEANOR ROSE, US  
[72] GRUN, MOLLY, US  
[72] OVERTON, MAYA, US  
[72] CHAUDHURY, RABIB SHAHAB, US  
[71] DETECT, INC., US  
[85] 2022-09-30  
[86] 2022-03-16 (PCT/US2022/020531)  
[87] (WO2022/197790)  
[30] US (63/161,856) 2021-03-16

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[13] A1

[51] Int.Cl. C12P 19/02 (2006.01) C12N 15/113 (2010.01) C12N 9/02 (2006.01) C12N 9/22 (2006.01) C12P 7/18 (2006.01)  
[25] EN  
[54] METHODS AND COMPOSITIONS FOR THE PRODUCTION OF XYLITOL FROM XYLOSE UTILIZING DYNAMIC METABOLIC CONTROL  
[54] PROCEDES ET COMPOSITIONS POUR LA PRODUCTION DE XYLITOL A PARTIR DE XYLOSE AU MOYEN D'UNE REGULATION METABOLIQUE DYNAMIQUE  
[72] LYNCH, MICHAEL DAVID, US  
[72] LI, SHUAI, US  
[71] DUKE UNIVERSITY, US  
[85] 2022-09-30  
[86] 2021-04-02 (PCT/US2021/025487)  
[87] (WO2021/242408)  
[30] US (63/004,740) 2020-04-03

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[51] Int.Cl. A61K 31/137 (2006.01) A61K 48/00 (2006.01)  
[25] EN  
[54] INHIBITORS OF GLYCOGEN SYNTHASE 1 (GYS1) AND METHODS OF USE THEREOF  
[54] INHIBITEURS DE LA GLYCOGENE SYNTHASE 1 (GYS1) ET LEURS METHODES D'UTILISATION  
[72] MORGANS, DAVID JOHN, US  
[72] MELLEM, KEVIN, US  
[72] POWERS, HANNAH L., US  
[72] LEE, PATRICK SANG TAE, US  
[72] WON, WALTER, US  
[72] SINZ, CHRISTOPHER JOSEPH, US  
[71] MAZE THERAPEUTICS, INC., US  
[85] 2022-09-30  
[86] 2022-03-14 (PCT/US2022/071139)  
[87] (WO2022/198196)  
[30] US (63/161,347) 2021-03-15  
[30] US (63/266,572) 2022-01-09

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[13] A1

[51] Int.Cl. C07D 209/42 (2006.01)  
[25] EN  
[54] METHODS OF TREATING SYSTEMIC SCLEROSIS  
[54] METHODES DE TRAITEMENT DE LA SCLERODERMIE GENERALISEE  
[72] PELOSO, PAUL, US  
[72] ALI, FARAH, US  
[71] HORIZON THERAPEUTICS IRELAND DAC, IE  
[85] 2022-09-30  
[86] 2021-04-02 (PCT/US2021/025505)  
[87] (WO2021/202955)  
[30] US (63/004,322) 2020-04-02  
[30] US (63/154,203) 2021-02-26

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[13] A1

[51] Int.Cl. H04L 5/00 (2006.01)  
[25] EN  
[54] DOWNLINK RECEPTION TRIGGERING METHOD, TERMINAL AND NETWORK-SIDE DEVICE  
[54] PROCEDE DE DECLENCHEMENT DE RECEPTION DE LIAISON DESCENDANTE, TERMINAL ET DISPOSITIF COTE RESEAU  
[72] LI, DONGRU, CN  
[72] WU, YUMIN, CN  
[72] PAN, XUEMING, CN  
[72] SUN, XIAODONG, CN  
[72] CHEN, XIAOHANG, CN  
[71] VIVO MOBILE COMMUNICATION CO., LTD., CN  
[85] 2022-10-01  
[86] 2021-04-25 (PCT/CN2021/089550)  
[87] (WO2021/218842)  
[30] CN (202010367082.9) 2020-04-30

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[13] A1

[51] Int.Cl. A61K 31/407 (2006.01) A61K 31/4162 (2006.01) A61K 31/437 (2006.01) A61P 1/00 (2006.01) A61P 1/14 (2006.01) A61P 1/16 (2006.01) A61P 11/00 (2006.01) A61P 11/10 (2006.01) A61P 17/00 (2006.01) A61P 31/00 (2006.01) A61P 31/02 (2006.01) A61P 35/00 (2006.01) C07D 471/14 (2006.01) C07D 487/04 (2006.01)  
[25] EN  
[54] MODULATORS OF ALPHA-1 ANTITRYPSIN  
[54] DERIVES DE PYRROLO[2,3-F]INDAZOLE ET DE 2,4,5,10-TETRAZATRICYCLO[7.3.0.0,3,7]DODECA-1,3(7),5,8,11-PENTAENE EN TANT QUE MODULATEURS D'ALPHA-1-ANTITRYPSINE POUR TRAITER UNE DEFICIENCE EN ALPHA-1-ANTITRYPSINE (AATD)  
[72] GIROUX, SIMON, US  
[72] BOYD, MICHAEL JOHN, US  
[72] FIMOGRANI, JR., ROBERT FRANCIS, US  
[72] ZAKY, MARIAM, US  
[72] GREY, JR., RONALD LEE, US  
[72] XU, JINWANG, US  
[72] KESAVAN, SARATHY, US  
[72] NUHANT, PHILIPPE MARCEL, US  
[72] GARCIA BARRANTES, PEDRO MANUEL, US  
[72] JONES, PETER, US  
[72] BRODNEY, MICHAEL AARON, US  
[72] BOUCHER, DIANE MARIE, US  
[72] FANNING, LEV T. D., US  
[72] HALL, AMY B., US  
[72] HURLEY, DENNIS JAMES, US  
[72] JOHNSON, JR., MAC ARTHUR, US  
[72] MAXWELL, JOHN PATRICK, US  
[72] SWETT, REBECCA JANE, US  
[72] TAPLEY, TIMOTHY LEWIS, US  
[72] THOMSON, STEPHEN A., US  
[72] DAMAGNEZ, VERONIQUE, US  
[72] COTTRELL, KEVIN MICHAEL, US  
[71] VERTEX PHARMACEUTICALS INCORPORATED, US  
[85] 2022-09-30  
[86] 2021-04-02 (PCT/US2021/025597)  
[87] (WO2021/203010)  
[30] US (63/004,636) 2020-04-03

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[13] A1

- [51] Int.Cl. F04D 29/26 (2006.01) F01D 5/14 (2006.01) F01D 5/30 (2006.01) F04D 29/60 (2006.01)
- [25] EN
- [54] BLADE PLATFORM, BLADE RING, IMPELLER DISK, AND GAS TURBINE ENGINE
- [54] PLAQUES DE BORD D'AUBE, AUBAGE, DISQUE DE ROUE A AUBES ET TURBINE A GAZ
- [72] WU, ZHIQING, CN
- [72] LU, XIAOFENG, CN
- [72] YAN, DONGQING, CN
- [72] JIANG, BEN, CN
- [72] LI, JIBAO, CN
- [72] YIN, ZEYONG, CN
- [72] LIU, HAO, CN
- [71] AECC SHANGHAI COMMERCIAL AIRCRAFT ENGINE MANUFACTURING CO., LTD., CN
- [71] AECC COMMERCIAL AIRCRAFT ENGINE CO., LTD., CN
- [85] 2022-10-01
- [86] 2021-11-18 (PCT/CN2021/131424)
- [87] (WO2022/105823)
- [30] CN (202011292543.7) 2020-11-18

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[13] A1

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- [25] EN

[54] MODULATORS OF ALPHA-1 ANTITRYPSIN

- [54] DERIVES DE 7-OU 8-HYDROXY-ISOQUINOLEINE ET DE 7-OU 8-HYDROXY-QUINOLEINE EN TANT QUE MODULATEURS D'ALPHA-1-ANTITRYPSEINE POUR TRAITER UNE DEFICIENCE EN ALPHA-1-ANTITRYSINE (AATD)

- [72] GIROUX, SIMON, US
- [72] CLARK, MICHAEL PHILIP, US
- [72] BRODNEY, MICHAEL AARON, US
- [72] JONES, PETER, US
- [72] DENINNO, MICHAEL PAUL, US
- [72] GU, WENXIN, US
- [72] TANG, QING, US
- [72] STONE, STEVEN DAVID, US
- [72] SENTER, TIMOTHY J., US
- [72] GALE-DAY, ZACHARY, US
- [72] BOUCHER, DIANE MARIE, US
- [72] FANNING, LEV T.D., US
- [72] HALL, AMY B., US
- [72] HURLEY, DENNIS JAMES, US
- [72] JOHNSON, JR., MAC ARTHUR, US
- [72] MAXWELL, JOHN PATRICK, US
- [72] SWETT, REBECCA JANE, US
- [72] TAPLEY, TIMOTHY LEWIS, US
- [72] THOMSON, STEPHEN A., US
- [72] DAMAGNEZ, VERONIQUE, US
- [72] COTTRELL, KEVIN MICHAEL, US
- [71] VERTEX PHARMACEUTICALS INCORPORATED, US
- [85] 2022-09-30
- [86] 2021-04-02 (PCT/US2021/025623)
- [87] (WO2021/203028)
- [30] US (63/004,683) 2020-04-03

[21] 3,179,191  
[13] A1

- [51] Int.Cl. C10G 11/02 (2006.01) C10G 11/04 (2006.01) C10G 11/08 (2006.01)
- [25] EN
- [54] LOW-SOLIDS FLASH CHEMICAL IONIZING PYROLYSIS
- [54] PYROLYSE PAR IONISATION CHIMIQUE FLASH A FAIBLE TENEUR EN SOLIDES
- [72] PEREZ-CORDOVA, RAMON, US
- [71] RACIONAL ENERGY AND ENVIRONMENT COMPANY, US
- [85] 2022-10-01
- [86] 2020-04-06 (PCT/US2020/026950)
- [87] (WO2021/183155)
- [30] US (62/989,303) 2020-03-13

[21] 3,179,192  
[13] A1

- [51] Int.Cl. A61M 5/00 (2006.01)
- [25] EN
- [54] INFUSION PUMP WITH ALARM MANAGER
- [54] POMPE A PERFUSION COMPORANT UN GESTIONNAIRE D'ALARME
- [72] XAVIER, BEN, US
- [71] ICU MEDICAL, INC., US
- [85] 2022-09-30
- [86] 2021-04-06 (PCT/US2021/026057)
- [87] (WO2021/207280)
- [30] US (63/006,285) 2020-04-07

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<p style="text-align: right;"><b>[21] 3,179,194</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A61K 8/14 (2006.01) A61K 9/127 (2006.01) A61K 31/7088 (2006.01) A61K 31/7105 (2006.01) A61K 31/711 (2006.01) A61K 31/713 (2006.01)</p> <p>[25] EN</p> <p>[54] OXIDIZED TUMOR CELL LYSATES ENCAPSULATED IN LIPOSOMAL SPHERICAL NUCLEIC ACIDS AS POTENT CANCER IMMUNOTHERAPEUTICS</p> <p>[54] LYSATS DE CELLULES TUMORALES OXYDES ENCAPSULES DANS DES ACIDES NUCLEIQUES SPHERIQUES LIPOSOMIQUES UTILISES EN TANT QU'AGENTS IMMUNOTHERAPEUTIQUES PUISSANTS CONTRE LE CANCER</p> <p>[72] MIRKIN, CHAD A., US</p> <p>[72] CALLMANN, CASSANDRA ELIZABETH, US</p> <p>[71] NORTHWESTERN UNIVERSITY, US</p> <p>[85] 2022-09-30</p> <p>[86] 2021-04-09 (PCT/US2021/026624)</p> <p>[87] (WO2021/207630)</p> <p>[30] US (63/008,229) 2020-04-10</p>
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<p style="text-align: right;"><b>[21] 3,179,195</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B65C 3/02 (2006.01) B31F 5/06 (2006.01) B65C 3/00 (2006.01) B65C 9/00 (2006.01) B65C 9/18 (2006.01) B65C 9/30 (2006.01)</p> <p>[25] EN</p> <p>[54] LABEL WRAPPER WITH SOFT-TOUCH JAWS</p> <p>[54] EMBALLAGE D'ETIQUETTE DOTE DE MACHOIRES A TOUCHER DOUX</p> <p>[72] BANDHOLZ, BRENT, US</p> <p>[72] SUVA, ALAN J., US</p> <p>[71] BRADY WORLDWIDE, INC., US</p> <p>[85] 2022-10-01</p> <p>[86] 2021-03-31 (PCT/US2021/025108)</p> <p>[87] (WO2021/202679)</p> <p>[30] US (16/839,895) 2020-04-03</p>
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<p style="text-align: right;"><b>[21] 3,179,196</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. G06F 21/57 (2013.01)</p> <p>[25] EN</p> <p>[54] SYSTEM AND METHOD FOR SCALABLE CYBER-RISK ASSESSMENT OF COMPUTER SYSTEMS</p> <p>[54] SYSTEME ET PROCEDE D'EVALUATION DE CYBER-RISQUE EVOLUTIF DE SYSTEMES INFORMATIQUES</p> <p>[72] BOLUKBAS, CANDAN, US</p> <p>[72] MALEY, ROBERT, US</p> <p>[72] DIKBIYIK, FERHAT, TR</p> <p>[71] NORMSHIELD, INC., US</p> <p>[85] 2022-09-30</p> <p>[86] 2021-04-10 (PCT/US2021/026751)</p> <p>[87] (WO2021/216307)</p> <p>[30] US (16/855,282) 2020-04-22</p>
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<p style="text-align: right;"><b>[21] 3,179,203</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A61L 27/36 (2006.01) A61L 27/22 (2006.01)</p> <p>[25] EN</p> <p>[54] ADIPOSE TISSUE MATRIX WITH TROPOELASTIN</p> <p>[54] MATRICE DE TISSU ADIPEUX AVEC TROPOELASTINE</p> <p>[72] XU, HUI, US</p> <p>[72] PASTINÒ, ALEXANDRA, US</p> <p>[72] FANG, CARRIE, US</p> <p>[71] LIFECELL CORPORATION, US</p> <p>[85] 2022-10-01</p> <p>[86] 2021-04-02 (PCT/US2021/025523)</p> <p>[87] (WO2021/202965)</p> <p>[30] US (63/004,794) 2020-04-03</p>
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<p style="text-align: right;"><b>[21] 3,179,200</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B25J 15/06 (2006.01) B65G 47/91 (2006.01) B66C 1/02 (2006.01)</p> <p>[25] EN</p> <p>[54] END EFFECTOR DEVICE AND SYSTEM FOR SUCTION-BASED GRASPING OF BAGGED OBJECTS</p> <p>[54] DISPOSITIF EFFECTEUR TERMINAL ET SYSTEME PERMETTANT LA PREHENSION BASEE SUR L'ASPIRATION D'OBJETS ENSACHES</p> <p>[72] GEALY, DAVID, US</p> <p>[72] MCKINLEY, STEPHEN, US</p> <p>[72] MAHLER, JEFFREY, US</p> <p>[71] AMBIDEXTROUS LABORATORIES, INC., US</p> <p>[85] 2022-10-01</p> <p>[86] 2021-04-01 (PCT/US2021/025410)</p> <p>[87] (WO2021/202894)</p> <p>[30] US (63/003,728) 2020-04-01</p>
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<p style="text-align: right;"><b>[21] 3,179,205</b></p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. G06F 16/00 (2019.01) G06F 16/35 (2019.01) G06F 16/55 (2019.01)</p> <p>[25] EN</p> <p>[54] SYSTEMS AND METHODS FOR COMPUTER MODELING USING INCOMPLETE DATA</p> <p>[54] SYSTEMES ET PROCEDES DE MODELISATION INFORMATIQUE A L'AIDE DE DONNEES INCOMPLETES</p> <p>[72] DARDIA, KRISTEN, US</p> <p>[72] WALLER, TRACEY, US</p> <p>[72] SINGH, EKAMPREET, US</p> <p>[72] MATIJOSAITIENE, IRINA, US</p> <p>[72] STOLL, FREDERICK, US</p> <p>[71] INSURANCE SERVICES OFFICE, INC., US</p> <p>[85] 2022-10-01</p> <p>[86] 2021-04-05 (PCT/US2021/025747)</p> <p>[87] (WO2021/203088)</p> <p>[30] US (63/004,697) 2020-04-03</p>
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  - [25] EN
  - [54] METHODS OF PREDICTING DISEASE PROGRESSION IN RHEUMATOID ARTHRITIS
  - [54] PROCEDES DE PREDICTION DE PROGRESSION DE MALADIE EN CAS DE POLYARTHRITE RHUMATOIDE
  - [72] FLAKE, DARL., US
  - [72] SASSO, ERIC, US
  - [71] LABORATORY CORPORATION OF AMERICA HOLDINGS, US
  - [85] 2022-10-01
  - [86] 2021-04-08 (PCT/US2021/026405)
  - [87] (WO2021/207508)
  - [30] US (63/007,812) 2020-04-09
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- [25] EN
- [54] TRANSGENIC CORN EVENT MON95275 AND METHODS FOR DETECTION AND USES THEREOF
- [54] EVENEMENT DE MAIS TRANSGENIQUE MON87403 ET PROCEDES POUR LA DETECTION DE CELUI-CI
- [72] BROWN, SARAH L., US
- [72] FLASINSKI, STANISLAW, US
- [72] PAN, AIHONG, US
- [72] STELZER, JASON W., US
- [72] WINDLER, HEIDI M., US
- [72] YIN, YONG, US
- [71] MONSANTO TECHNOLOGY LLC, US
- [85] 2022-10-01
- [86] 2021-04-20 (PCT/US2021/028189)
- [87] (WO2021/216571)
- [30] US (63/014,771) 2020-04-24

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- [51] Int.Cl. C12N 7/01 (2006.01) A61K 39/205 (2006.01) A61K 39/215 (2006.01) A61K 39/295 (2006.01) A61P 31/14 (2006.01) A61P 37/04 (2006.01) C07K 14/165 (2006.01) C07K 19/00 (2006.01) C12N 15/50 (2006.01) C12N 15/62 (2006.01) C12N 15/86 (2006.01)
  - [25] EN
  - [54] MERS-COV VACCINE
  - [54] VACCIN CONTRE LE MERS-COV
  - [72] KANG, CHIL-YONG, CA
  - [72] KIM, GYOUNG NYOUN, CA
  - [72] WU, KUNYU, CA
  - [72] LEE, SANGKYUN, CA
  - [71] SUMAGEN CANADA INC., CA
  - [85] 2022-10-02
  - [86] 2021-04-16 (PCT/CA2021/050514)
  - [87] (WO2021/207848)
  - [30] US (63/011,028) 2020-04-16
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- [51] Int.Cl. G01N 33/543 (2006.01) G01N 33/58 (2006.01)
- [25] EN
- [54] A METHOD FOR MULTIPLEXED DETECTION OF A PLURALITY OF TARGET BIOMOLECULES
- [54] PROCEDE DE DETECTION MULTIPLEXEE D'UNE PLURALITE DE BIOMOLECULES CIBLES
- [72] NASEEM, UMEAR, SE
- [72] SOARES, RUBEN RAFAEL GONCALVES, SE
- [71] APLEX BIO AB, SE
- [85] 2022-10-02
- [86] 2021-04-06 (PCT/SE2021/050306)
- [87] (WO2021/206614)
- [30] SE (2050384-3) 2020-04-06

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  - [25] EN
  - [54] THERAPEUTIC TREATMENT FOR THE CORONAVIRUS DISEASE COVID-19
  - [54] TRAITEMENT THERAPEUTIQUE POUR LA MALADIE DE CORONAVIRUS COVID-19
  - [72] MOLLICK, PETER J., US
  - [71] MOLLICK, PETER J., US
  - [85] 2022-10-02
  - [86] 2021-04-01 (PCT/US2021/025298)
  - [87] (WO2021/202823)
  - [30] US (63/100,831) 2020-04-02
  - [30] US (63/102,925) 2020-07-08
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[13] A1

- [51] Int.Cl. A61L 2/20 (2006.01) A61M 5/178 (2006.01)
  - [25] EN
  - [54] METHOD OF STERILIZING MEDICAL DEVICE
  - [54] METHODE DE STERILISATION D'UN DISPOSITIF MEDICAL
  - [72] HAMEL, SIMON, CA
  - [72] VIENS, MATHIEU, CA
  - [71] DUOJECT MEDICAL SYSTEMS INC., CA
  - [85] 2022-10-03
  - [86] 2021-04-01 (PCT/CA2021/000027)
  - [87] (WO2021/195741)
  - [30] CA (3,077,844) 2020-04-03
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[13] A1

- [51] Int.Cl. A61K 39/00 (2006.01) A61P 17/00 (2006.01) C07K 16/24 (2006.01)
- [25] EN
- [54] TREATMENT OF HIDRADENITIS SUPPURATIVA
- [54] TRAITEMENT DE L'HIDRADENITE SUPPUREE
- [72] ZHUANG, YANLI, US
- [72] SRIVASTAVA, BHASKAR, US
- [72] KEEFE, KAREN, US
- [72] PARATKAR, SWAROOPA, US
- [72] RANDAZZO, BRUCE, US
- [72] MUÑOZ, ERNESTO, US
- [72] SIMARD, JOHN, US
- [71] JANSSEN BIOTECH, INC., US
- [85] 2022-09-30
- [86] 2021-04-16 (PCT/US2021/027614)
- [87] (WO2021/211927)
- [30] US (63/010,923) 2020-04-16

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[51] Int.Cl. E02B 3/10 (2006.01)
[25] EN
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[54] MODIFICATIONS DE PRISES D'EAU DE BARRAGE A LIBERATION PROFONDE POUR AMELIORER LA SANTE DES POISSONS EN AVAL
[72] BEATTIE, MICHAEL, CA
[72] LITVAK, MATTHEW, CA
[71] GIS VENTURES INC., CA
[85] 2022-10-03
[86] 2021-04-01 (PCT/CA2021/050448)
[87] (WO2021/195786)
[30] US (63/004,607) 2020-04-03

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[51] Int.Cl. A61B 10/02 (2006.01) A61B 10/04 (2006.01)
[25] EN
[54] BIOPSY INSTRUMENT, KIT OF PARTS AND METHOD
[54] INSTRUMENT DE BIOPSIE, KIT DE PIECES ET PROCEDE
[72] WALther, CHARLES, SE
[72] DYMLING, STEPHAN, SE
[72] WALther, BRUNO, SE
[71] BIBBINSTRUMENTS AB, SE
[85] 2022-10-03
[86] 2020-04-08 (PCT/EP2020/060041)
[87] (WO2021/204376)

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[21] 3,179,239 [13] A1
[51] Int.Cl. C03B 5/00 (2006.01) C03B 5/42 (2006.01) C03B 5/44 (2006.01)
[25] EN
[54] FURNACE FOR THE MELTING OF VITRIFIABLE MATERIAL
[54] FOUR POUR LA FUSION DE MATERIE VITRIFIABLE
[72] BOULANOV, OLEG, FR
[71] COMBUSTION CONSULTING ITALY S.R.L., IT
[85] 2022-10-03
[86] 2021-03-04 (PCT/EP2021/055431)
[87] (WO2021/197750)
[30] IT (102020000007099) 2020-04-03

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[21] 3,179,230 [13] A1
[51] Int.Cl. C08J 3/215 (2006.01) G03G 9/00 (2006.01) G03G 9/087 (2006.01)
[25] EN
[54] FLUORESCENCE QUENCHING IMMUNOASSAY
[54] IMMUNOESSAI D'EXTINCTION DE FLUORESCENCE
[72] GAGNER, JENNIFER E., US
[72] HAJIZADEH, KIAMARS, US
[72] PECK, EVAN M., US
[72] SALTER, JAMES R., US
[72] TRAVERS, PAUL JAMES, US
[72] CHRISTOPHER, TURMEL P., US
[72] WU, YINGZI, US
[72] XIE, HONGZHI, US
[72] YERRAMILLI, MURTHY V.S.N., US
[71] IDEXX LABORATORIES, INC., US
[85] 2022-09-30
[86] 2021-04-16 (PCT/US2021/027684)
[87] (WO2021/211969)
[30] US (63/011,403) 2020-04-17
[30] US (63/152,365) 2021-02-23

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[21] 3,179,232 [13] A1
[51] Int.Cl. A61B 17/12 (2006.01) A61F 2/04 (2013.01) A61B 17/00 (2006.01)
[25] EN
[54] DEVICE FOR USE WITH BODY TISSUE SPHINCTERS
[54] DISPOSITIF DESTINE A ETRE UTILISE AVEC DES SPHINCTERS DE TISSU CORPOREL
[72] BERG, JAMES GODFREY, US
[72] BERG, THOMAS GODFREY, US
[71] JT GODFREY, LLC, US
[85] 2022-09-30
[86] 2021-04-22 (PCT/US2021/028654)
[87] (WO2021/216880)
[30] US (16/857,886) 2020-04-24

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[21] 3,179,236 [13] A1
[51] Int.Cl. A61K 35/26 (2015.01) C12N 5/00 (2006.01)
[25] EN
[54] METHODS FOR GENERATING THYMIC CELLS IN VITRO
[54] METHODES DE GENERATION IN VITRO DE CELLULES THYMIQUES
[72] PARENT, AUDREY, US
[72] HEBROK, MATTHIAS, US
[72] ANDERSON, MARK STUART, US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
[85] 2022-09-30
[86] 2021-04-27 (PCT/US2021/029457)
[87] (WO2021/222297)
[30] US (63/016,527) 2020-04-28
[30] US (63/147,126) 2021-02-08

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[21] 3,179,240 [13] A1
[51] Int.Cl. C12M 3/00 (2006.01) C12M 1/00 (2006.01) C12M 1/12 (2006.01) C12M 1/32 (2006.01) C12M 3/06 (2006.01)
[25] EN
[54] MICROCOSM BIO-SCAFFOLD AND APPLICATIONS THEREOF
[54] BIO ECHAFAUDAGE DE MICROCOUME ET SES APPLICATIONS
[72] GRIGORYAN, BAGRAT, US
[72] MILLER, JORDAN, US
[72] GELBER, MATTHEW, US
[71] 3D SYSTEMS, INC., US
[85] 2022-09-30
[86] 2021-05-04 (PCT/US2021/030668)
[87] (WO2021/226096)
[30] US (63/020,407) 2020-05-05

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[21] 3,179,244 [13] A1
[51] Int.Cl. A61K 38/57 (2006.01) C07K 14/81 (2006.01)
[25] EN
[54] POLYPEPTIDE FOR THE PROPHYLAXIS AND TREATMENT OF VIRAL INFECTIONS
[54] POLYPEPTIDE POUR LA PROPHYLAXIE ET LE TRAITEMENT D'INFECTIONS VIRALES
[72] FORSSMANN, WOLF-GEORG, DE
[72] MAGERT, HANS-JURGEN, DE
[71] PHARIS BIOTEC GMBH, DE
[85] 2022-10-03
[86] 2021-03-29 (PCT/EP2021/058150)
[87] (WO2021/198176)
[30] EP (20167370.4) 2020-03-31
[30] EP (20184401.6) 2020-07-07

# Canadian Divisional and Previously Unavailable Applications Open to Public Inspection

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[21] 3,164,492	[13] A1
[51] Int.Cl. E21B 28/00 (2006.01) E21B 10/61 (2006.01) E21B 21/10 (2006.01) E21B 34/06 (2006.01)	
[25] EN	
[54] METHOD AND APPARATUS FOR GENERATING FLUID PRESSURE PULSES OF ADJUSTABLE AMPLITUDE	
[54] PROCEDE ET APPAREIL POUR GENERER DES IMPULSIONS DE PRESSION DE FLUIDE D'AMPLITUDE REGLABLE	
[72] COLLINS, ANTHONY LOUIS, US	
[72] WILLIAMS, THOMAS CLIFFORD, US	
[72] WELL, CHRISTOPHER ADAM, US	
[72] MCCULLOUGH, ROBERT WILLIAM, CA	
[72] HAGAR, EVERETT PHILIP, CA	
[71] NTS AMEGA WEST USA, INC., US	
[22] 2019-10-22	
[41] 2020-10-22	
[62] 3,137,061	
[30] US (62/834,648) 2019-04-16	

[21] 3,175,206	[13] A1
[25] EN	
[54] NOVEL FRAGRANCE COMPOSITIONS AND PRODUCTS WITH MOOD ENHANCING EFFECTS	
[54] NOUVELLES COMPOSITIONS DE PARFUM ET PRODUITS A EFFETS D'AMELIORATION DE L'HUMEUR	
[72] PRIGGE, KATHARINE A., US	
[72] PANSINI, KATHLEEN CASEY, US	
[72] DUGAN, KAREN SOLARI, US	
[72] PATNEY, MANSI BATRA, US	
[72] McDERMOTT, KEITH, US	
[72] HUANG, LENA QUAY SIEW, SG	
[72] BRAUN, DIRK, US	
[72] PENG, CHEONG AI, SG	
[72] SULBARAN, ALEJANDRA, US	
[72] ZUNINO, HELENE, FR	
[72] LUEDTKE, KATHRYN, US	
[72] GARCIA, DEVIN, US	
[72] KEYNES, KIRSTEN, US	
[72] NIKOLOVSKI, JANETA, US	
[71] SYMRISE AG, DE	
[71] JOHNSON & JOHNSON CONSUMER INC., US	
[22] 2018-04-26	
[41] 2018-11-15	
[62] 3,061,501	
[30] US (62/502,928) 2017-05-08	

[21] 3,177,952	[13] A1
[25] EN	
[54] IMPROVED METHODS OF PRODUCING RPE CELLS AND COMPOSITIONS OF RPE CELLS	
[54] PROCEDES AMELIORES POUR LA PRODUCTION DE CELLULES RPE ET DE COMPOSITIONS DE CELLULES RPE	
[72] MALCUIT, CHRISTOPHER, US	
[72] LEMIEUX, LINDA, US	
[72] HOLMES, WILLIAM, US	
[72] HUERTAS, PEDRO, US	
[72] VILNER, LUCY, US	
[71] ASTELLAS INSTITUTE FOR REGENERATIVE MEDICINE, US	
[22] 2008-10-10	
[41] 2009-04-23	
[62] 3,006,687	
[30] US (60/998,668) 2007-10-12	
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[21] 3,178,354	[13] A1
[25] EN	
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[54] ESSAIS AXES SUR LE GENOME DE BRASSICA A	
[72] HARMON, MATTHEW CURTIS, US	
[72] HENDERSON, NANCY L., US	
[72] ZHONG, CATHY XIAOYAN, US	
[71] E.I. DU PONT DE NEMOURS AND COMPANY, US	
[22] 2013-05-23	
[41] 2013-11-28	
[62] 2,874,522	
[30] US (61/650,623) 2012-05-23	
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<p style="text-align: right;">[21] 3,178,437</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. A61B 6/03 (2006.01) A61B 34/00 (2016.01) G16H 30/40 (2018.01) G06T 11/60 (2006.01) A61B 34/20 (2016.01)</p> <p>[25] EN</p> <p>[54] IMAGING SYSTEM AND METHOD FOR USE IN SURGICAL AND INTERVENTIONAL MEDICAL PROCEDURES</p> <p>[54] SYSTEME ET PROCEDE D'IMAGERIE A UTILISER DANS DES PROCEDURES CHIRURGICALES ET DES INTERVENTIONS MEDICALES</p> <p>[72] ISAACS, ROBERT, E., US</p> <p>[72] JOHNSTON, SAMUEL, MORRIS, US</p> <p>[71] NUVAATIVE, INC., US</p> <p>[22] 2012-10-05</p> <p>[41] 2013-04-11</p> <p>[62] 3,036,492</p> <p>[30] US (13/253838) 2011-10-05</p>	<p style="text-align: right;">[21] 3,178,584</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. F03B 3/04 (2006.01) F03B 11/00 (2006.01) F03B 13/12 (2006.01) F03B 17/06 (2006.01)</p> <p>[25] EN</p> <p>[54] HYDROELECTRIC ENERGY SYSTEMS, AND RELATED COMPONENTS AND METHODS</p> <p>[54] SYSTEMES A ENERGIE HYDROELECTRIQUE, ET COMPOSANTS ET PROCEDES ASSOCIES</p> <p>[72] POWER, III, DANIEL E., US</p> <p>[71] OCEANA ENERGY COMPANY, US</p> <p>[22] 2016-10-19</p> <p>[41] 2017-04-27</p> <p>[62] 3,001,696</p> <p>[30] US (62/244,846) 2015-10-22</p>	<p style="text-align: right;">[21] 3,178,607</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B65G 1/04 (2006.01)</p> <p>[25] EN</p> <p>[54] STORAGE AND RETRIEVAL SYSTEM</p> <p>[54] SYSTEME DE STOCKAGE ET DE RECUPERATION</p> <p>[72] GRAVELLE, SCOTT, CA</p> <p>[72] COWLEY, ROBERT GUY, CA</p> <p>[72] WOOLF, ANTHONY BRIAN, CA</p> <p>[71] ATTABOTICS INC., CA</p> <p>[22] 2016-04-26</p> <p>[41] 2016-11-03</p> <p>[62] 2,983,630</p> <p>[30] US (62/153,189) 2015-04-27</p>
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<p style="text-align: right;">[21] 3,178,606</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B65G 1/04 (2006.01)</p> <p>[25] EN</p> <p>[54] STORAGE AND RETRIEVAL SYSTEM</p> <p>[54] SYSTEME DE STOCKAGE ET DE RECUPERATION</p> <p>[72] GRAVELLE, SCOTT, CA</p> <p>[72] COWLEY, ROBERT GUY, CA</p> <p>[72] WOOLF, ANTHONY BRIAN, CA</p> <p>[71] ATTABOTICS INC., CA</p> <p>[22] 2016-04-26</p> <p>[41] 2016-11-03</p> <p>[62] 2,983,630</p> <p>[30] US (62/153,189) 2015-04-27</p>		<p style="text-align: right;">[21] 3,178,698</p> <p style="text-align: right;">[13] A1</p> <p>[51] Int.Cl. B65G 1/04 (2006.01)</p> <p>[25] EN</p> <p>[54] STORAGE AND RETRIEVAL SYSTEM</p> <p>[54] SYSTEME DE STOCKAGE ET DE RECUPERATION</p> <p>[72] GRAVELLE, SCOTT, CA</p> <p>[72] COWLEY, ROBERT GUY, CA</p> <p>[72] WOOLF, ANTHONY BRIAN, CA</p> <p>[71] ATTABOTICS INC., CA</p> <p>[22] 2016-04-26</p> <p>[41] 2016-11-03</p> <p>[62] 2,983,630</p> <p>[30] US (62/153,189) 2015-04-27</p>

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[25] EN
[54] <b>NANOPORE SEQUENCERS</b>
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[72] BOYANOV, BOYAN, US
[72] ANKOLKAR, ROHAN N., US
[72] FISHER, JEFFREY S., US
[72] MANDELL, JEFFREY G., US
[72] QIANG, LIANGLIANG, US
[72] BARNARD, STEVEN M., US
[71] ILLUMINA, INC., US
[22] 2018-06-19
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[62] 3,064,273
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[21] <b>3,178,867</b> [13] A1
[25] EN
[54] <b>HYDRAZINYL-PYRROLO COMPOUNDS AND METHODS FOR PRODUCING A CONJUGATE</b>
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[72] RABUKA, DAVID, US
[72] ALBERS, AARON EDWARD, US
[72] KUDIRKA, ROMAS ALVYDAS, US
[72] GAROFALO, ALBERT W., US
[71] REDWOOD BIOSCIENCE, INC., US
[22] 2014-11-26
[41] 2015-06-04
[62] 2,927,806
[30] US (61/909,897) 2013-11-27

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[51] Int.Cl. B64D 1/02 (2006.01) B66D 1/60 (2006.01) E04G 23/08 (2006.01) F42D 3/02 (2006.01)
[25] EN
[54] <b>IMPACTOR APPARATUS OPERATED FROM ROTORCRAFT</b>
[54] <b>APPAREIL D'IMPACTEUR ACTIONNE A PARTIR D'UN GIRAVION</b>
[72] DESPRES, JEAN, CA
[71] FABRICATIONS TJD INC., CA
[22] 2020-04-27
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[51] Int.Cl. B01D 33/048 (2006.01)
[25] EN
[54] <b>VACUUM BOX, BELT FILTER, METHODS FOR SERVICING A VACUUM BELT FILTER, METHOD FOR LIQUID-SOLID SEPARATION OF A SLURRY, AND FILTER ELEMENT</b>
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[72] VANTTINEN, KARI, FI
[72] ILLI, MIKA, FI
[72] EKBERG, BJAME, FI
[71] OUTOTEC (FINLAND) OY, FI
[22] 2016-11-02
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[62] 3,003,671
[30] FI (PCT/FI2015/050756) 2015-11-03

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[51] Int.Cl. A61N 1/36 (2006.01) A61N 1/05 (2006.01)
[25] EN
[54] <b>NON-REGULAR ELECTRICAL STIMULATION PATTERNS FOR TREATING NEUROLOGICAL DISORDERS</b>
[54] <b>CONFIGURATIONS ELECTRIQUEMENT NON REGULIERES DE STIMULATION POUR TRAITEMENT DE TROUBLES NEUROLOGIQUES</b>
[72] GRILL, WARREN M., US
[72] DORVAL, ALAN D., US
[71] DUKE UNIVERSITY, US
[22] 2009-10-05
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[62] 3,099,328
[30] US (61/102,575) 2008-10-03

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[51] Int.Cl. B22D 27/02 (2006.01) B22D 11/115 (2006.01)
[25] EN
[54] <b>NON-CONTACTING MOLTEN METAL FLOW CONTROL</b>
[54] <b>REGULATION D'ECOULEMENT DE METAL EN FUSION SANS CONTACT</b>
[72] WAGSTAFF, SAMUEL R., US
[72] FENTON, WAYNE J., US
[72] WAGSTAFF, ROBERT B., US
[72] FELBERBAUM, MILAN, US
[72] BISCHOFF, TODD F., US
[72] KOSMICKI, TINA J., US
[71] NOVELIS INC., US
[22] 2015-05-21
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[62] 2,946,420
[30] US (62/001,124) 2014-05-21
[30] US (62/060,672) 2014-10-07

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[51] Int.Cl. A61F 13/02 (2006.01) A61F 13/00 (2006.01) A61M 1/00 (2006.01)
[25] EN
[54] <b>WOUND DRESSING</b>
[54] <b>PANSEMENT</b>
[72] ALLEN, JULIE, GB
[72] ASKEM, BEN ALAN, GB
[72] COLLINSON, SARAH JENNY, GB
[72] MEHTA, STEVEN CARL, GB
[72] GOWANS, PHILIP, GB
[72] NICOLINI, DEREK, GB
[72] RUSSELL, MARK, GB
[72] ZAGRABSKI, CAROL, US
[71] SMITH & NEPHEW PLC, GB
[22] 2013-07-31
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[62] 2,880,143
[30] US (61/678,569) 2012-08-01
[30] US (61/753,374) 2013-01-16
[30] US (61/753,878) 2013-01-17
[30] US (61/785,054) 2013-03-14
[30] US (61/823,298) 2013-05-14

**Demandes canadiennes apparentées par division et  
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<p style="text-align: right;">[21] <b>3,179,080</b> [13] A1</p> <p>[51] Int.Cl. G10L 17/18 (2013.01) [25] EN [54] CHANNEL-COMPENSATED LOW-LEVEL FEATURES FOR SPEAKER RECOGNITION [54] CARACTERISTIQUES DE BAS NIVEAU DE COMPENSATION DE CANAL POUR LA RECONNAISSANCE DE LOCUTEUR [72] KHOURY, ELIE, US [72] GARLAND, MATTHEW, US [71] PINDROP SECURITY, INC., US [22] 2017-09-19 [41] 2018-03-22 [62] 3,117,645 [30] US (62/396,670) 2016-09-19 [30] US (62/396,617) 2016-09-19 [30] US (15/709,024) 2017-09-19</p>	<p style="text-align: right;">[21] <b>3,179,175</b> [13] A1</p> <p>[51] Int.Cl. A24F 40/50 (2020.01) A24F 40/53 (2020.01) A24F 40/60 (2020.01) A24F 40/65 (2020.01) [25] EN [54] SMOKING CESSION DEVICE [54] DISPOSITIF DE SEVRAGE DU TABAC [72] CHOUKROUN, BENJAMIN, FR [72] SERVAL, THOMAS, FR [71] SMOKEWATCHERS SAS, FR [22] 2014-10-29 [41] 2015-05-07 [62] 2,928,868 [30] US (61/897,149) 2013-10-29</p>	

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ALNYLAM PHARMACEUTICALS, INC.	2,940,401	ARRIBAS, JUAN JOSE	3,114,454	BAYLOR COLLEGE OF MEDICINE	2,738,031
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ALONSO-DE DIEGO, SERGIO-ALVAR	2,930,393	ARTERS, DAVID C.	3,048,887	BECKER-PELSTER, EVA MARIA	2,934,108
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		ATELIERS FRANCOIS BRASSEUR	2,950,405	BECTON, DICKINSON AND COMPANY	3,081,577
		ATLAS COPCO AIRPOWER, NAAMLOZE VENNOOTSCHAP	2,957,400	BEG, MIRZA MUHAMMAD AJMAL	2,715,701
		AUMONT, FRANCK	2,990,419		
		AUVINEN, TONI	3,062,264		
			2,953,751		
			2,958,618		

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COMBS, STEPHEN	3,036,025	DANONE S.A.	DONNAY, MANUEL LUIS	
COMCAST CABLE COMMUNICATIONS, LLC	3,086,242	DARTDIJK N.V.	MIGUEL	3,118,828
COMCAST CABLE COMMUNICATIONS, LLC	3,102,500	DAVIDSON, FANNY CHUNG	DONNIER-MARECHAL,	
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COVESTRO LLC	2,957,558	DEGROOT, MICHAEL HENDRIK	2,966,535	2,918,306
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COVIDIEN LP	2,883,248	DELGADO-GONZALEZ, OSCAR	2,935,726	DRZALA, MARK R.
COVIDIEN LP	2,905,662	DELGADO-GONZALEZ, OSCAR	2,948,669	DU, XIAOGUANG
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CRAIG, CHRISTOPHER DONOVAN	3,114,454	DELLA VALLE, MARIA FEDERICA	2,948,669	DUCROS, JEAN-BAPTISTE
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CRAPO, JARED	2,860,851	DEMOTT, GERARD	3,027,378	DUNN, WILLIAM
		DENG, GUIJUN	2,978,215	DUNN, WILLIAM
		DENNING, ROCHELLE	3,091,791	DUQUESNE UNIVERSITY OF
		DEPASO, JOSEPH M.	2,809,597	THE HOLY GHOST
		DEPUY SYNTHES PRODUCTS, INC.	2,935,286	2,889,654
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		DESY, PHILIPPE	2,935,286	EARLY, STEPHEN JOSEPH
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				ECOLAB USA INC.
				EDDEWAARD, DAVID O.
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EVOLVA SA	FRY, DAVID SHANK	2,962,445	GOGARTY, EMILY	3,046,270
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EXXONMOBIL UPSTREAM RESEARCH COMPANY	FUJITA, HAJIME	3,054,492	GORANSSON, HANS-GORAN	2,966,552
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FENG, SHOUYE	GADERER, MATTHIAS	2,903,065	GRILL, BERNHARD	3,082,291
FERNALD, MARK R.	GAINES, CHARLES	3,061,820	GRODECK, ROBERT L.	2,927,626
FERNANDEZ, JOSE	GAN, DAVID	2,940,911	GROS, EDWIGE	2,913,977
FERRARO, BERNADETTE	GAO, LIJUN	2,969,823	GROSS, GWEN MARIE	
FERREIRA DE ABREU ALMEIDA, FILIPE JOSE	GARANDET, JEAN-PAUL	2,898,137	LANPHERE INC.	3,034,199
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FINNMAN, KARL-OSKAR	GARCIN, GENEVIEVE	3,051,467	GSCHWIND, MICHAEL KARL	2,940,911
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GUO, BINGSHI	3,086,936	HERITAGE, CHRISTOPHER J.	2,980,755	HULSHOF, GERKO	2,935,726
GUO, ZHENHUA	3,117,857	HERR, JOSHUA	2,896,326	HUNTER DOUGLAS INDUSTRIES	
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HALLIBURTON ENERGY SERVICES, INC.	3,047,066	HITT, THOMAS LEE	3,051,467	ILITCHEV, IOURI V.	3,051,467
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HAN, LIFENG	3,038,862	HONG, KWON PYO	3,060,050	INDEX SYSTEMS, LLC	2,969,263
HAN, SHILIANG	3,080,731	HORNSBY, ERIC	3,043,691	INFASTECH INTELLECTUAL PROPERTIES PTE. LTD	3,035,666
HAN, SHUANG	3,096,210	HORSFALL, ANDREW	3,057,321	INGBRITT, JOHANSSON	2,960,524
HANDLOSER, WILLY	2,912,717	HORSTINK, WOUTER	2,962,445	INNOUP FARMA, S.L.	2,975,537
HANNAH, STEVEN S.	2,875,331	HORTON, DAVID P.	2,974,032	INOVIO PHARMACEUTICALS, INC.	2,969,263
HANSEN, BERND	2,964,285	HORVATH, PETER	2,911,576	INSTITUUT VOOR LANDBOUW- EN	3,030,893
HANSEN, JORGEN	2,888,636	HOSEINI, SEYED MAJID	2,983,873	VISSELIJONDERZOEK (ILVO)	
HANSSON, DENNIS	2,894,776	HOSS, UDO	2,912,061	INTERDIGITAL CE PATENT HOLDINGS, SAS	2,932,335
HANSSON, MAGNUS JOAKIM	2,944,565	HOUPIIS, IOANNIS NICOLAOS	3,118,828	INTERNATIONAL BUSINESS HOLDINGS, SAS	2,970,237
HARDING, GRANT E.	2,990,124	HOWE, DIANE	3,039,109	INTERFONTECH CORPORATION	2,953,751
HARKIN, RICHARD LEE	2,840,230	HOWELL, DAVID A.	2,901,510	INTERNATIONAL PATENTS AND BRANDS	
HARNENING, THOMAS	2,962,477	HOY, STACY W.	2,962,477	CORPORATION	2,940,911
HARRIS, JOEL S.	3,037,920	HYROHORENKO, ERIC	3,086,529	ION-TOF TECHNOLOGIES	2,936,325
HARRIS, LAURENCE	3,075,336	HSU, CHIH-WEI	2,965,476	GMBH	2,996,854
HARRIS, WILLIAM	3,089,253	HSU, MING-CHUN	2,882,563	IPROTEX GMBH & CO. KG	3,090,747
HARRISON, STEPHEN	2,985,579	HSU, WEN-YU	3,021,260	IRACHE GARRETA, JUAN	3,058,025
HARTMAN, WILLIAM	3,046,270	HSU, YUNG-SHUN	3,021,260	INTUIT INC.	2,937,820
HASHIMOTO, MICHIKO	3,089,946	HU, CHANGLU	3,021,260	ISAACS, ARTHUR	3,012,342
HASPESLAGH, PIETER RIK	2,882,563	HU, CHAO	3,096,210	ISHINO, YUKO	2,930,707
HATTON, STEPHEN ANTHONY	3,009,738	HUANG, QUFANG	2,987,094	ISIS INNOVATION LIMITED	2,933,846
HAUF, REINER	3,071,306	HUANG, YU-WEN	3,038,862		2,924,752
HAVENSTRITE, KAREN L.	3,100,641	HUARTE CIGANDA, JUDIT	2,969,263		
HAYASHI, AKIHITO	2,906,583	HUAWEI TECHNOLOGIES CO., LTD.	2,985,868		
HAYES, DANN	2,930,707	HUAWEI TECHNOLOGIES CO., LTD.	3,038,862		
HAZANI, MIRON	2,962,906	HUAWEI TECHNOLOGIES CO., LTD.	3,042,829		
HE, YAOMING	2,981,152	HUAWEI TECHNOLOGIES CO., LTD.	3,068,079		
HEALTH CATALYST, INC.	2,860,851	HUAWEI TECHNOLOGIES CO., LTD.			
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HELLESOE DALL, CHRISTIAN	2,951,758				

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JANESHAWARI GALLAGE, NEETHAJI	2,888,636	KERKAR, BRAHIM	2,958,310	ARVIND	2,891,017
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JANSSEN PHARMACEUTICA NV	2,954,093	KERSH, DIKLA	3,003,781	KUNDU, DEBABRATA	2,942,265
JANSSEN PHARMACEUTICA NV	2,954,218	KHEDR, ALHASSAN	3,002,582	KUNISETTY, SRIDHAR	3,048,887
JANSSEN PHARMACEUTICA NV	2,954,222	KHOSRAVI, FARHAD	3,037,965	KUNZ, CLAUDIA	3,051,827
JANSSEN PHARMACEUTICA NV	2,954,222	KIM, HAN SOO	3,092,300	KUPPLER, JOHN	2,957,400
JANSSEN PHARMACEUTICA NV	2,967,542	KIM, IK HWAN	3,092,300	KURACHI, HIDEKAZU	3,084,415
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JAPAN TOBACCO INC.	3,086,981	KIM, SOSEUL	3,043,691	KUTER-ARNEBECK,	
JAPAN TOBACCO INC.	3,089,502	KIME, CRAIG	2,980,755	OTTOLEO	3,091,379
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JOHNSON, ROBERT HAROLD	3,092,880	KLYS, PIOTR	2,968,821	LAITRAM, L.L.C.	2,935,726
JOHNSON, WINSOME	2,933,441	KMIEC, CHESTER J.	2,917,636	LAKINGS, JAMES D.	2,960,418
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JUBILANT GENERICS LIMITED	2,942,280	KNODE, GALEN E.	3,088,887	RENEE	2,944,708
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KAISER, ERIC PAUL, JR.	2,983,873	KOCHER-PLASTIK	2,964,285	LANG, DIETER	2,934,108
KALO, BENEDIKT	2,966,798	MASCHINENBAU GMBH	2,985,926	LANTMANNEN OATS AB	2,975,537
KAPELEVICH, VITALY	3,101,155	KOCHEVAR, JOSEPH	3,051,268	LARCHE, GREGOIRE	3,065,457
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KAST, RAIMUND	2,934,108	RAJARAM	2,891,017	LAURENZI, BRENDAN F.	3,098,386
KAUFFMANN, FREDERIC	3,106,627	KONDOK, HITOSHI	3,012,342	LAVIE-CAMBOT, AURELIE	2,946,345
KAUFMANN, GUNNAR F.	2,913,977	KOO, MOONMO	3,073,674	LAVOIE, PIERRE-OLIVIER	3,056,812
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		KORBLER, MAGDALENA	3,092,615	LE, VAN SO	3,028,243
		KOSANKE, JOHN	3,080,588	LEADLEY, DAVID	3,086,421
		KOVAL, MICHAEL CAP	3,057,313	LEE, GLORIA KWANGJA	3,054,541
		KOWA COMPANY, LTD.	2,939,932	LEE, HEEJIN	2,919,215
		KOZLOWSKA, MAGDALENA	2,969,971	LEE, HEEYONG	3,058,743
		KRAUSS, RONALD	3,054,541	LEE, JOHN JONG-SUK	2,983,873
		KRETSCHMANN, TRISTAN	3,041,248	LEE, YOUNG MI	3,015,203
		KROGERUS, HELGE	2,933,164	LEI, HUI	2,953,637
		KROLAK, MATTHEW J.	2,898,137	LEIMBACH, ANGELA MARIE	3,072,259
		KRUEGER, BRYAN	3,036,025	LEIMKUEHLER, WILLIAM J.	2,932,413
		KRUEGER, JOHN A.	2,900,575	LEMAN, TRACY	2,989,340
		KRUPKA, CHRISTINA	2,923,354	LENNOX INDUSTRIES INC.	3,109,486
		KRUSE, THOMAS	2,838,884	LENZING	
		KUBE, OLIVER	3,053,362	AKTIENGESELLSCHAFT	3,092,615
		KUBO, KIE	3,089,946	LEONARDO UK LIMITED	3,043,699

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LEVITT, MARK DENNIS	3,030,563	LU, ZHENXIAO	3,080,731	CEDAR COMPANY, D/B/A	
LEVRAUD, LOIC	2,929,938	LUCAS, JAY PAUL	2,966,535	MARVIN WINDOWS AND	
LEVY, KENT	2,989,340	LUCAS, TANJA	2,871,531	DOORS	2,992,217
LEYVA, TIMOTHY	3,005,981	LUKES, RICHARD W.	2,960,524	MARY KAY INC.	2,969,823
LG ELECTRONICS INC.	3,073,674	LUNN, GRAHAM	2,963,740	MASAND, MUKESH	2,942,280
LI, GE	3,087,427	LUO, HONGWEN	3,117,857	MASON, MATTHEW T.	3,057,313
LI, HAITAO	3,117,857	LUTES, LENNARD	2,957,718	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	2,915,842
LI, HAIYAN	2,967,381	LUTRON TECHNOLOGY COMPANY LLC	3,088,887	MASSARA, VALERIO	3,068,735
LI, JIADA	3,053,269	LUXON, EVAN S.	3,100,641	MASSARE, MICHAEL	2,922,258
LI, JIANMIN	3,087,427	LV, JINSONG	3,068,079	MASTAPLEX LIMITED	2,977,479
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LI, QINGHONG	2,875,331	MA, BAOLI	3,041,160	MATSUURA HIROKI	3,088,083
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LI, YUANJING	3,087,427	MA, LONGZHOU	2,926,184	MAXFLU PUMPS CORP.	2,864,569
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LIAO, YUZHEN	2,944,805	MA, XIN	2,953,637	LTD	2,909,290
LIETZ, M. SHANNON	2,937,820	MAAS, STEVEN JAMES	3,118,864	MAYS, WESLEY M.	3,052,189
LIFESCAN IP HOLDINGS, LLC	2,916,627	MACKINTOSH, STEPHEN	2,916,627	MCARTHUR, GREGORY R.	2,891,229
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LIN, XICHEN	2,953,637	MAGMA GLOBAL LIMITED	2,930,185	MCKIBBEN, JOHN FERNEY	2,971,604
LIN, YANAN	3,063,238	MAGNA AUTOMOTIVE SERVICES GMBH	2,930,185	MCKINLEY, TIMOTHY ALLEN	2,958,301
LINDBERG MOLLER, BIRGER	2,888,636	MAHE, ANTHONY	2,962,513	MCLAREN, MARK ARVIND	3,101,155
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LINDSTROM, JUHA	2,952,036	MAIERHOFER, ANDREAS	2,933,164	CHU	3,057,313
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LIU, WEIMING	3,117,857	MANNKIND CORPORATION	2,930,393	INTERNATIONAL LTD OY	2,899,002
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LIU, YINONG	3,087,427	MANUFACTURING	2,950,405	MELLOR, RONALD LEE, JR.	3,102,720
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MONTOJO, JUAN	3,023,835	NECOVENTURES TRADING	3,086,421	ORSON, STEVE	3,051,268
MOORE, RYAN	3,047,814	LIMITED	3,089,253	ORTHOHOST ULC	3,046,270
MORA, JORGE	2,867,400	NECOVENTURES TRADING	2,959,795	ORVALHO, VERONICA	3,090,747
MORAN, ADRIAN	2,957,400	LIMITED	2,996,854	OSAKA PREFECTURE	
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MORROW, DESMOND IAN JOHN	2,912,590	NIKE INNOVATE C.V.	2,937,820	OUTOTEC (FINLAND) OY	2,933,164
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ATTABOTICS INC.	3,178,606	JOHNSTON, SAMUEL,		TRUPIANO, ANTHONY G., JR	3,179,001
ATTABOTICS INC.	3,178,607	MORRIS	3,178,437	VALLE, FERNANDO	3,178,593
BARNARD, STEVEN M.	3,178,698	KEYNES, KIRSTEN	3,175,206	VANTTINEN, KARI	3,178,905
BISCHOFF, TODD F.	3,178,751	KHOURY, ELIE	3,179,080	VILNER, LUCY	3,177,952
BOYANOV, BOYAN	3,178,751	KOMAREK, ANDREW R.	3,179,023	WAGSTAFF, ROBERT B.	3,178,979
BRAUN, DIRK	3,175,206	KOSMICKI, TINA J.	3,178,979	WAGSTAFF, SAMUEL R.	3,178,979
BUCK, RACHAEL	3,179,163	KUDIRKA, ROMAS ALVYDAS	3,178,867	WELL, CHRISTOPHER ADAM	3,164,492
CHILDRESS, CARRIE LEE	3,179,001	LEIGH, KATHRYN ANN	3,179,001	WILLIAMS, THOMAS	
CHOUKROUN, BENJAMIN	3,179,175	LEMIEUX, LINDA	3,177,952	CLIFFORD	3,164,492
COLLINS, ANTHONY LOUIS	3,164,492	LUEDTKE, KATHRYN	3,175,206	WOOLF, ANTHONY BRIAN	3,178,606
COLLINSON, SARAH JENNY	3,178,997	MAHLER, ERIC	3,178,622	WOOLF, ANTHONY BRIAN	3,178,607
COWLEY, ROBERT GUY	3,178,606	MALCUIT, CHRISTOPHER	3,177,952	WOOLF, ANTHONY BRIAN	3,178,698
COWLEY, ROBERT GUY	3,178,607	MANDELL, JEFFREY G.	3,178,751	WYATT, JOHN	3,179,001
COWLEY, ROBERT GUY	3,178,698	MCCULLOUGH, ROBERT	3,178,751	YEAMAN, ANNALIESE	3,179,001
DAVIS, STEVEN	3,179,163	WILLIAM	3,164,492	ZAGRABSKI, CAROL	3,178,997
DESPRES, JEAN	3,178,897	MCDERMOTT, KEITH	3,175,206	ZHONG, CATHY XIAOYAN	3,178,354
DORVAL, ALAN D.	3,178,974	MEHTA, STEVEN CARL	3,178,997	ZUNINO, HELENE	3,175,206
DUGAN, KAREN SOLARI	3,175,206	MINOR, PAUL N.	3,179,001		
DUKE UNIVERSITY	3,178,974	MOSHOLDER, MICHAEL	3,179,001		
DUSKA-MCEWEN, GERALYN	3,179,163	MUSER, ANDREW P.	3,179,001		
E.I. DU PONT DE NEMOURS AND COMPANY		NICOLINI, DEREK	3,178,997		
EKBERG, BJAME	3,178,354	NIKOLOVSKI, JANETA	3,175,206		
EXTANG CORPORATION	3,178,905	NOVELIS INC.	3,178,979		
FABRICATIONS TJD INC.	3,178,622	NTS AMEGA WEST USA, INC.	3,164,492		
FELBERBAUM, MILAN	3,178,897	NUVASIVE, INC.	3,178,437		
FENTON, WAYNE J.	3,178,979	OCEANA ENERGY COMPANY	3,178,584		
FISHER, JEFFREY S.	3,178,979	OLDHAM, ANDREW	3,178,489		
FOWLER, ALEX	3,178,751	OUTOTEC (FINLAND) OY	3,178,905		
GARCIA, DEVIN	3,179,001	PANSINI, KATHLEEN CASEY	3,175,206		
GARLAND, MATTHEW	3,175,206	PATNEY, MANSI BATRA	3,175,206		
GAROFALO, ALBERT W.	3,179,080	PENG, CHEONG AI	3,175,206		
GENOMATICA, INC.	3,178,867	PINDROP SECURITY, INC.	3,179,080		
GODARA, NEIL	3,178,593	POWER, III, DANIEL E.	3,178,584		
GOWANS, PHILIP	3,178,489	PRIGGE, KATHARINE A.	3,175,206		
GRAVELLE, SCOTT	3,178,997	QIANG, LIANGLIANG	3,178,751		
GRAVELLE, SCOTT	3,178,606	QUINTANAR, FELIX C.	3,179,001		
GREGORY, WILLIAM W.	3,178,607	RABUKA, DAVID	3,178,867		
GRILL, WARREN M.	3,178,698	RACETTE, JOHN P.	3,179,001		
HAGAR, EVERETT PHILIP	3,179,001	REDWOOD BIOSCIENCE, INC.	3,178,867		
HARMON, MATTHEW CURTIS	3,178,974	ROUSEFF, CHRISTOPHER	3,179,001		
	3,164,492	RUSSELL, MARK	3,178,997		
	3,178,354	SCHAEFER, MARK	3,179,001		