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d'Industrie Canada



**The Patent  
Office  
Record**

**La Gazette  
du Bureau  
des brevets**

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**Canada**

CIPO  OPIC

# THE PATENT OFFICE RECORD

## LA GAZETTE DU BUREAU DES BREVETS

David Tobin  
Commissioner of Patents

David Tobin  
Commissaire aux brevets

The 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 other than those concerning subscriptions or requests for single copies 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 autre que les abonnements ou les commandes d'exemplaires séparés.

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] - Reissue Grant Date
- [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 en-têtes 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 en-têtes 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), sise 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 disposition publique
- [45] - Date de délivrance
- [48] - Date de redélivrance
- [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] - Noms(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

A complete list of country codes has been published in the issue of April 27, 2004 and will be published twice a year in the last issues of April and October.

### 3. How to Purchase Paper Copies of Canadian Patents and Canadian Laid-Open Applications

Paper copies of all other Canadian Patents and Canadian Laid-Open Applications 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 a copy in electronic form of a document,	N/A
a) for each request	\$10
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

### 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.

### 5. Advice on Making a Patent Application

Any person intending to file a patent application may obtain an information kit on 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 on request.

### 2. Code des pays

Une liste complète des codes de pays a été publiée dans le numéro du 27 avril 2004 et sera republiée deux fois par année dans le dernier numéro des mois d'avril et d'octobre.

### 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 au [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 :	S.O.
a) pour chaque demande	10 \$
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 méga-octets qui excède 7 méga-octets, l'excédant étant arrondi au multiple supérieur	10 \$

### 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 expirés, peuvent être commandées auprès du Bureau des brevets au prix de 1 \$ la page.

### 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.

## Notices

### 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.

### 7. Patents Available for Licence or Sale

An asterisk (\*) placed beside any patent listed in this issue of the 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 10 of these notices.

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

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

**2,293,064**  
**2,367,300**

### 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. 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. 10 des présents avis.

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

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

**2,293,064**  
**2,367,300**

## 9. Laid-Open Applications

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).

## 9. Demandes mises à la disponibilité du public

Toutes les demandes de brevet et documents relatifs à ceux-ci, déposées 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 d'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.

## Notices

### 11. PATENT COOPERATION TREATY (PCT)

#### SCHEDULE OF FEES APPLICABLE FROM MAY 1, 2004

1. Transmittal Fee (Rule 14)	<b>\$300.00</b>
2. *International Filing Fee	<b>\$1489.00</b>
Amount for each additional sheet over 30	<b>\$16.00</b>
3. International Search Fee	<b>\$2520.00</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 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 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.

5. Late Payment Fee	<b>50% of the fees that are due, or, Minimum: Transmittal Fee Maximum: International Filing Fee Preliminary Examination</b>
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6. Handling Fee (Rule 57.2(a))	<b>129 Euro</b>
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7. Preliminary Examination Fee (Rule 58)	<b>1530 Euro</b>
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The Preliminary Examination Fees are payable in Euros and should be paid directly to the European Patent Office in Munich. Please note that the European Patent Office will **NOT** consider the fees as being received until they reach Europe. It is preferable to fax both the demand and a copy of the bank draft to the EPO at 011-4989-2399-4465.

\* International fees will be reduced by **\$106** for all applications filed using PCT-SAFE\*\*  
\*\* PCT-SAFE is replacing PCT-EASY.

### 11. TRAITÉ DE COOPÉRATION EN MATIÈRE DE BREVETS (PCT)

#### BARÈME DE TAXES À PARTIR DU 1 MAI 2004

1. Taxe de transmission (Règle 14)	<b>300,00 \$</b>
2. *Taxe de dépôt internationale (Règle 15.2(a))	<b>1489,00 \$</b>
Montant pour chaque feuille au delà de 30	<b>16,00 \$</b>
3. Taxe de recherche internationale	<b>2520.00 \$</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 du dépôt de la demande, (soit la date de réception de la demande internationale). Les taxes doivent être payées en dollars canadiens et sont payables au Receveur Général du Canada.

Si l'office récepteur constate que le déposant ne lui a payé aucune taxe, il invite le déposant à lui payer, dans un délai d'un mois à compter de la date de l'invitation, le montant nécessaire pour couvrir ces taxes, majoré, le cas échéant, de la taxe pour paiement tardif visée à la règle 16bis.2.

5. Taxe pour paiement tardif	<b>50% du montant impayé, ou, Minimum: taxe de transmission Maximum: taxe de base Examen préliminaire</b>
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6. Taxe de traitement	<b>129 Euro</b>
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7. Taxe d'examen préliminaire <sup>1</sup> (Règle 58)	<b>1530 Euro</b>
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Les taxes d'examen préliminaire sont payables en Euros et doivent être payées à l'Office européen des brevets à Munich. Veuillez noter que l'Office européen des brevets **ne** considérera **pas** les honoraires comme étant reçus jusqu'à ce qu'ils atteignent l'Europe. Il est préférable d'envoyer la demande et une copie par télécopieur de la traite bancaire au 011-4989-2399-4465.

\* Les frais seront réduits de **106\$** pour toutes les demandes déposées en utilisant PCT-SAFE\*\*  
\*\* PCT-SAFE remplacera PCT-EASY.



## 12. PCT notices

### PCT Signature Requirements

Please note that in conformity with the PCT requirements, the European Patent Office (EPO) requires that the signature identifies a physical person (whose name should be typewritten below the signature); where the person signs on behalf of a legal entity, the capacity should also be indicated (typewritten). (See PCT -Applicant's Guide, <http://www.wipo.int>).

### Patent Cooperation Treaty (PCT)

Copies of the Patent Cooperation Treaty Applicants Guide and the Patent Cooperation Treaty & Regulations are available from WIPO 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 -World Intellectual Property Organization 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 at [publications.mail@wipo.int](mailto:publications.mail@wipo.int) or visit their website at <http://www.wipo.int>.

## 13. Amendment to the *Patent Rules*

Notice is hereby given that the Governor in Council has approved an amendment to the *Patent Rules* pertaining to the sequence listing requirement for patent applications filed in Canada under the Patent Cooperation Treaty (PCT). The amendment came into force on March 30, 2004 — the day on which the amendment was registered.

This amendment ensures that the patent rights of patent applicants filing certain biotechnology-related inventions are not at risk for failure to provide a sequence listing, without first having received a notification from the Canadian Intellectual Property Office (CIPO) and being provided with the opportunity to comply within a prescribed period of time.

The amendment cited above was published in Part II of the *Canada Gazette*, Vol. 138, No. 8, SOR/2004-67 on April 21, 2004. An extract showing the amendment and the Regulatory Impact Analysis Statement can be accessed on CIPO's Web site at: [www.cipo.gc.ca](http://www.cipo.gc.ca).

## 12. Avis PCT

### Exigences des signatures du PCT

Veillez noter que conformément aux exigences du PCT, l'Office européen des brevets (OEB) réclame que la signature identifie une personne physique dont le nom dactylographié devrait apparaître au-dessous de la signature. Lorsque telle personne signe au nom d'une personne morale, il convient d'indiquer, également en caractères dactylographiques, la qualité du signataire. (Voir le Guide du déposant - PCT, <http://www.wipo.int>).

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

Des copies du Guide du déposant - PCT ainsi que du Traité et des Règlements sont disponibles auprès de l'OMPI 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 - Organisation mondiale de la propriété intellectuelle 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 à [publications.mail@wipo.int](mailto:publications.mail@wipo.int) ou visiter leur site web à <http://www.wipo.int>.

## 13. Règles modifiant les *Règles sur les brevets*

Avis est, par la présente, donné que la gouverneure générale en conseil a approuvé une modification aux *Règles sur les brevets* relativement à l'obligation de soumettre les listages de séquences pour les demandes de brevets déposées au Canada en vertu du Traité de coopération en matière de brevets (PCT). La modification est entrée en vigueur le 30 mars 2004 — la date de son enregistrement.

Cette modification assure aux demandeurs de brevets qui ont déposé certaines inventions dans le domaine de la biotechnologie qu'ils ne risqueront plus de perdre des droits liés aux brevets pour avoir omis de fournir les listages de séquences; l'Office de la propriété intellectuelle du Canada (OPIC) leur fera tout d'abord parvenir un avis, ce qui leur laissera le temps de se conformer à la demande dans le délai prescrit.

La modification susmentionnée a été publiée dans la Partie II de la *Gazette du Canada*, Vol. 138, no D, DORS/2004-67, le 21 avril 2004. Un extrait comportant la modification et le le Résumé de l'étude d'impact de la réglementation sont accessibles sur le site Web de l'OPIC à : [www.opic.gc.ca](http://www.opic.gc.ca).

## Notices

You may obtain a paper copy of the *Canada Gazette*, Part II (Vol. 138, No. 8, SOR/2004-67) by contacting:

Canadian Government Publishing Communication Canada  
Ottawa, Canada K1A 0S9  
Telephone: (613) 956-4802

Vous pouvez vous procurer un exemplaire papier de la *Gazette du Canada*, Partie II (Vol. 138, no 8, DORS/2004-67), en vous adressant à :

Les Éditions du gouvernement du  
Canada Communication Canada  
Ottawa, Canada K1A 0S9  
Téléphone : (613) 956-4802

### **14. Canadian Laid-Open Applications**

The Patent Office Record of May 4, 2004 contains laid-open applications from April 11, 2004 - April 17, 2004

### **14. Demandes Canadiennes mises à la disponibilité du public**

Ce numéro de la Gazette des brevets du Canada contient les demandes disponibles au public pour consultation pour la période du 11 avril 2004 - 17 avril 2004

## **Avis**

# Canadian Patents Issued

May 4, 2004

## Brevets canadiens délivrés

4 mai 2004

[11] 2,061,955  
[13] C

[51] Int.Cl. 5B26D 7/26 5B23P 6/00 5B26B 29/06  
[25] EN  
[54] REPAIR OF AIRFOIL EDGES  
[54] METHODE DE REPARATION DES BORDS DE PALES A PROFIL AERODYNAMIQUE  
[72] DUNKMAN, DEWEY DUANE, US  
[72] GROSSKLAUS, WARREN DAVIS JR., US  
[72] BRACKO, PETRA, US  
[73] GENERAL ELECTRIC COMPANY, US  
[22] 1992-02-27  
[30] US (663,506) 1991-03-04

[11] 2,069,600  
[13] C

[51] Int.Cl. 5A23D 9/00 5C11B 7/00 5C11C 3/00 5A61K 7/06 5A61K 31/23 5A61K 7/40 5C07C 69/587  
[25] EN  
[54] FATTY ACID COMPOSITIONS  
[54] COMPOSITIONS D'ACIDES GRAS  
[72] HORROBIN, DAVID F., GB  
[72] HUANG, YUNG-SHENG, CA  
[73] SCOTIA HOLDINGS PLC, GB  
[22] 1992-05-26  
[30] GB (91/11900.8) 1991-06-03

[11] 2,072,345  
[13] C

[51] Int.Cl. 5H04L 12/56  
[25] EN  
[54] PACKET DATA COMMUNICATION SYSTEM  
[54] SYSTEME DE TRANSMISSION DE DONNEES A COMMUTATION DE PAQUETS  
[72] TYMES, LAROY, US  
[72] KRAMER, JOHN W., JR., US  
[73] SYMBOL TECHNOLOGIES, INC., US  
[22] 1992-06-23  
[30] US (799,172) 1991-11-27

[11] 2,077,267  
[13] C

[51] Int.Cl. 5B65D 5/72  
[25] EN  
[54] OPENING ARRANGEMENT FOR A CONTAINER PACKAGE  
[54] DISPOSITIF D'OUVERTURE POUR CONTENANT D'EMBALLAGE  
[72] BERGGREN, GORAN, SE  
[72] NEDSTEDT, ULF, SE  
[73] TETRA LAVAL HOLDINGS & FINANCE S.A., CH  
[22] 1992-09-01  
[30] SE (9102532-0) 1991-09-04

[11] 2,077,667  
[13] C

[51] Int.Cl. 5C08F 8/44 5C09J 133/02 5C08L 33/02 5C09J 123/08 5C08L 23/08  
[25] EN  
[54] METHOD OF PREPARING AQUEOUS DISPERSIONS OF ETHYLENE/.ALPHA,..BETA.-UNSATURATED CARBOXYLIC ACID INTERPOLYMERS  
[54] METHODE DE PREPARATION DE DISPERSIONS AQUEUSES D'INTERPOLYMERES D'ETHYLENE ET D'ACIDE CARBOXYLIQUE INSATURE EN .ALPHA,..BETA.  
[72] ROWLAND, MICHAEL E., US  
[72] SPRINGS, KENNETH E., US  
[73] DOW GLOBAL TECHNOLOGIES INC., US  
[85] 1992-09-04  
[86] 1992-01-24 (PCT/US1992/000622)  
[87] (WO1992/013012)  
[30] US (646,134) 1991-01-25

[11] 2,080,226  
[13] C

[51] Int.Cl. 5C12N 15/62 6C07K 16/00 6C07K 19/00 5C12N 15/12 5C12N 15/13 5A61K 39/42 5A61K 47/48 5G01N 33/569 6C07K 14/73  
[25] EN  
[54] CD4-GAMMA2 AND CD4-IGG2 CHIMERAS  
[54] CHIMERES CD4-GAMMA2 ET CD4-IGG2  
[72] BEAUDRY, GARY A., US  
[72] MADDON, PAUL J., US  
[73] PROGENICS PHARMACEUTICALS, INC., US  
[85] 1992-10-08  
[86] 1992-02-10 (PCT/US1992/001143)  
[87] (WO1992/013947)  
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[11] 2,082,935  
[13] C

[51] Int.Cl. 5C12N 15/56 5C12N 9/08 5C12S 3/08 5D21C 9/10 5A23K 1/165 5C12N 9/24 5C12N 9/42 5C12N 15/53 5C02F 1/68  
[25] EN  
[54] A METHOD OF ENZYME PRODUCTION IN TRICHODERMA MODIFIED TO BE AT LEAST PARTIALLY CELLULOSE DEFICIENT  
[54] PREPARATION DE PRODUCTION D'ENZYMES DANS LA TRICHODERMIE MODIFIEE POUR ETRE EN PARTIE DEFICITAIRE EN CELLULOSE  
[72] NEVALAINEN, HELENA, FI  
[72] KNOWLES, JONATHAN, FI  
[72] SUOMINEN, PIRKKO, FI  
[72] PENTTILA, MERJA, FI  
[72] MANTYLA, ARJA, FI  
[73] ALTIA GROUP LTD, FI  
[85] 1992-11-13  
[86] 1991-05-13 (PCT/FI1991/000152)  
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[30] US (524,308) 1990-05-16

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[11] 2,084,893  
[13] C  
[51] Int.Cl. 5A21D 10/04 5A21D 6/00  
5A21D 8/02 5A23P 1/08  
[25] EN  
[54] MICROWAVEABLE BATTER-  
COATED, DOUGH-ENROBED  
FOODSTUFF  
[54] PRODUIT ALIMENTAIRE  
ENROBE DE PATE POUR CUISSON  
AUX MICRO-ONDES  
[72] YASOSKY, JOHN J., US  
[72] STAUSS, SHERYL LYNN, US  
[72] SIEGRIST, KATHLEEN ANNETTE,  
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[73] THE PILLSBURY COMPANY, US  
[85] 1992-12-08  
[86] 1990-10-31 (PCT/US1990/006329)  
[87] (WO1992/001384)  
[30] US (556,653) 1990-07-20

[11] 2,085,321  
[13] C  
[51] Int.Cl. 5B02C 21/02  
[25] EN  
[54] MOBILE CRUSHER  
[54] CONCASSEUR MOBILE  
[72] FRICK, DIETMAR, AT  
[73] FRICK, DIETMAR, AT  
[22] 1992-12-14  
[30] AT (A2503/91) 1991-12-18

[11] 2,087,941  
[13] C  
[51] Int.Cl. 5C09D 133/26  
[25] EN  
[54] PROCESS FOR PREPARING  
POLYACRYLAMIDE GEL PLATE FOR  
ELECTROPHORESIS  
[54] PROCEDE D'OBTENTION DE  
PLAQUES D'ELECTROPHORESE A  
BASE DE POLYACRYLAMIDE  
[72] NOTSU, KAZUAKI, JP  
[72] EBATA, NOBUYOSHI, JP  
[72] UDAGAWA, AKIKO, JP  
[72] SHIRATORI, MIEKO, JP  
[73] DAIICHI PURE CHEMICALS CO.,  
LTD., JP  
[22] 1993-01-22  
[30] JP (13174/1992) 1992-01-28

[11] 2,089,433  
[13] C  
[51] Int.Cl. 5B22F 7/02  
[25] EN  
[54] COMPOSITE POWDERED METAL  
COMPONENT  
[54] ELEMENT COMPOSITE FRITTE  
[72] SCOTT, NORMAN WILLIAM, CA  
[73] ICM/KREBSOGE, US  
[22] 1993-02-12  
[30] US (07/834,379) 1992-02-12

[11] 2,090,264  
[13] C  
[51] Int.Cl. 5C07J 21/00 5C07C 401/00  
5C07J 9/00 5C07D 317/72  
[25] EN  
[54] METHOD OF PREPARING 9BETA,  
10ALPHA-5,7-DIENE STEROIDS  
[54] METHODE DE PREPARATION DE  
STEROIDES 9BETA, 10ALPHA-5,7-  
DIENIQUES  
[72] BOUT, BERTHUS, NL  
[72] VOORHAAR, RONALD, NL  
[73] DUPHAR INTERNATIONAL  
RESEARCH B.V., NL  
[22] 1993-02-24  
[30] EP (92200564.0) 1992-02-27

[11] 2,091,957  
[13] C  
[51] Int.Cl. 5C09D 101/26  
[25] EN  
[54] FLUIDIZED POLYMER  
SUSPENSION (FPS) FOR CONTINUOUS  
COATING COMPOSITION  
MANUFACTURE  
[54] SUSPENSION DE POLYMER  
FLUIDIFIE POUR LA FABRICATION  
EN CONTINU DE COMPOSITIONS DE  
REVETEMENT  
[72] BROWN, RICHARD G., US  
[72] BURDICK, CHARLES L., US  
[72] VANDERSLICE, CHARLES W., US  
[73] AQUALON COMPANY, US  
[22] 1993-03-18  
[30] US (857,987) 1992-03-26

[11] 2,092,139  
[13] C  
[51] Int.Cl. 5F25J 3/02  
[25] FR  
[54] PROCEDE ET INSTALLATION DE  
TRANSFERT DE LIQUIDE  
[54] LIQUID TRANSFER PROCESS  
AND APPARATUS  
[72] DARREDEAU, BERNARD, FR  
[73] L'AIR LIQUIDE SOCIETE  
ANONYME A DIRECTOIRE ET CONSEIL  
DE SURVEILLANCE PO UR L'ETUDE ET  
L'EXPLOITATION DES PROCEDES  
GEORGES CLAUDE, FR  
[22] 1993-03-22  
[30] FR (92.03500) 1992-03-24

[11] 2,096,165  
[13] C  
[51] Int.Cl. 5C07C 19/08 5C07C 17/20  
[25] EN  
[54] PROCESS FOR PREPARING  
PENTAFLUOROETHANE BY  
DISMUTATION OF  
TETRAFLUROCHLOROETHANE  
[54] METHODE DE PREPARATION DE  
PENTAFLUROETHANE PAR  
DISMUTATION DE  
TETRAFLUROCHLOROETHANE  
[72] CUZZATO, PAOLO, IT  
[73] AUSIMONT S.P.A., IT  
[22] 1993-05-13  
[30] IT (MI 92A 001136) 1992-05-13

[11] 2,097,478  
[13] C  
[51] Int.Cl. 5C07C 53/08 5C07C 51/12  
[25] EN  
[54] PROCESS FOR THE PRODUCTION  
OF ACETIC ACID  
[54] PROCEDE D'OBTENTION  
D'ACIDE ACETIQUE  
[72] AUBIGNE, SIMON D., FR  
[72] COOPER, JEREMY B., GB  
[72] WATSON, DERRICK J., GB  
[72] WILLIAMS, BRUCE L., GB  
[73] BP CHEMICALS LIMITED, GB  
[22] 1993-06-01  
[30] GB (9211671.4) 1992-06-02

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[13] C

[51] **Int.Cl. 5C07J 5/00 5C07J 7/00 5C07J 33/00**  
[25] FR  
[54] **PROCEDE DE PREPARATION D'UN DERIVE STEROIDE 11-CETO**  
[54] **PROCESS FOR PREPARING A 11-KETO STEROID DERIVATIVE**  
[72] BRION, FRANCIS, FR  
[72] BUENDIA, JEAN, FR  
[72] DIOLEZ, CHRISTIAN, FR  
[72] VIVAT, MICHEL, FR  
[73] HOECHST MARION ROUSSEL, FR  
[22] 1993-06-03  
[30] FR (92 06 773) 1992-06-04

[11] **2,098,148**  
[13] C

[51] **Int.Cl. 5C07J 5/00 5C07J 7/00 5C07J 21/00 5C07J 33/00 5C07J 71/00**  
[25] FR  
[54] **NOUVEAU PROCEDE DE PREPARATION DE STEROIDES 16-ALPHA-METHYLES**  
[54] **PROCESS FOR THE PREPARATION OF 16-ALPHA-METHYL STEROIDS**  
[72] BUENDIA, JEAN, FR  
[72] ROUSSEL, PATRICK, FR  
[72] VIVAT, MICHEL, FR  
[73] HOECHST MARION ROUSSEL, FR  
[22] 1993-06-10  
[30] FR (92 07 048) 1992-06-11

[11] **2,098,636**  
[13] C

[51] **Int.Cl. 5H04B 1/02**  
[25] EN  
[54] **SWITCHING TYPE OF WIDEBAND RF GENERATOR-MODULATOR**  
[54] **GENERATEUR-MODULATEUR RF A LARGE BANDE DU TYPE A COMMUTATION**  
[72] KUCZYNSKI, VICTOR, CA  
[72] CRANE, ROBERT ANTHONY, CA  
[73] KUCZYNSKI, VICTOR, CA  
[73] CRANE, ROBERT ANTHONY, CA  
[22] 1993-08-20

[11] **2,098,882**  
[13] C

[51] **Int.Cl. 5C07H 13/02 5C07H 17/00 5C07H 23/00 5C07H 15/04**  
[25] EN  
[54] **PROCESS FOR PREPARING ALPHA-ANOMER ENRICHED 2-DEOXY-2,2-DIFLUORO-D-RIBOFURANOSYL SULFONATES**  
[54] **METHODE DE PREPARATION DE SULFONATES DE 2-DESOXY-2,2-DIFLUORO-D-RIBOFURANOSYLE ENRICHIS EN ANOMERE ALPHA**  
[72] CHOU, TA-SEN, US  
[72] JONES, CHARLES D., US  
[73] ELI LILLY AND COMPANY, US  
[22] 1993-06-21  
[30] US (07/902,305) 1992-06-22

[11] **2,106,912**  
[13] C

[51] **Int.Cl. 5C09J 131/02 5C09J 133/00 5B32B 27/08**  
[25] EN  
[54] **LAMINATING CONSTRUCTION ADHESIVE COMPOSITIONS WITH IMPROVED PERFORMANCE**  
[54] **COMPOSITIONS ADHESIVES DE STRATIFICATION A RENDEMENT AMELIORE**  
[72] EISENHART, ERIC KARL, US  
[72] EISENHART, JOANN MARIE, US  
[72] BARTMAN, BENJAMIN, US  
[72] HUGHES, KATHLEEN ANNE, US  
[73] ROHM AND HAAS COMPANY, US  
[22] 1993-09-24  
[30] US (07/955,548) 1992-10-01  
[30] US (08/056,264) 1993-04-30

[11] **2,107,523**  
[13] C

[51] **Int.Cl. 5B01F 15/04**  
[25] EN  
[54] **PLURAL COMPONENT DELIVERY SYSTEM**  
[54] **SYSTEME D'ALIMENTATION POUR MELANGE DE LIQUIDES**  
[72] LANGEMAN, GARY D., CA  
[73] LANGEMAN, GARY D., CA  
[22] 1993-10-01

[11] **2,108,704**  
[13] C

[51] **Int.Cl. 5H04N 7/12**  
[25] EN  
[54] **PICTURE SIGNAL ENCODING METHOD AND APPARATUS AND PICTURE SIGNAL DECODING METHOD AND APPARATUS**  
[54] **METHODE ET APPAREIL DE CODAGE DE SIGNAUX D'IMAGERIE ET METHODE ET APPAREIL DE DECODAGE DE SIGNAUX D'IMAGERIE**  
[72] YAGASAKI, YOICHI, JP  
[72] WADA, TOHRU, JP  
[72] TAHARA, KATSUMI, JP  
[73] SONY CORPORATION, JP  
[22] 1993-10-19  
[30] JP (P04-291697) 1992-10-29  
[30] JP (P05-010177) 1993-01-25  
[30] JP (P05-066550) 1993-03-25

[11] **2,110,434**  
[13] C

[51] **Int.Cl. 5B60B 33/00**  
[25] EN  
[54] **SHOCK AND VIBRATION ISOLATING CASTER**  
[54] **GALET ANTI-VIBRATION ET ANTI-IMPACT**  
[72] GAGNON, PAUL R., US  
[72] CERQUA, DAVID F., US  
[73] APPLIED POWER INC., US  
[22] 1993-12-01  
[30] US (07/987,861) 1992-12-09

[11] **2,110,442**  
[13] C

[51] **Int.Cl. 6C07K 14/62 6C07K 1/14**  
[25] EN  
[54] **PROCESS FOR OBTAINING PROINSULIN POSSESSING CORRECTLY LINKED CYSTINE BRIDGES**  
[54] **PROCEDE PERMETTANT D'OBTENIR DE LA PROINSULINE POSSEDANT DES PONTS CYSTINES CORRECTEMENT LIES**  
[72] OBERMEIER, RAINER, DE  
[72] GERL, MARTIN, DE  
[72] LUDWIG, JURGEN, DE  
[72] SABEL, WALTER, DE  
[73] AVENTIS PHARMA DEUTSCHLAND GMBH, DE  
[22] 1993-12-01  
[30] DE (P 42 40 420.7) 1992-12-02

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[13] C  
[51] Int.Cl. 5B01D 45/04  
[25] EN  
[54] APPARATUS FOR SEPARATING OIL OR FAT PARTICLES FROM AN AIRSTREAM  
[54] APPAREIL POUR LA SEPARATION DE L'HUILE OU DES PARTICULES DE GRAS DANS UNE VEINE FLUIDE  
[72] WIMBOCK, PETER, DE  
[73] WIMBOCK BESITZ GMBH, DE  
[22] 1993-12-02  
[30] EP (93 103 296.5) 1993-03-02

[11] 2,112,087  
[13] C  
[51] Int.Cl. 5B65B 43/18 5B65H 3/08 5B65B 41/18  
[25] EN  
[54] APPARATUS FOR DISCHARGING PACKAGING CONTAINER BLANKS  
[54] APPAREIL SERVANT AU DECHARGEMENT DE DECOUPES DE CONTENANTS D'EMBALLAGE  
[72] ANDERSSON, ROLAND, US  
[72] MOSSBERG, ULF, SE  
[73] TETRA LAVAL HOLDINGS & FINANCE S.A., CH  
[73] MOSSBERG, ULF, SE  
[22] 1993-12-21  
[30] SE (9203879-3) 1992-12-22

[11] 2,112,571  
[13] C  
[51] Int.Cl. 5A61B 10/00  
[25] EN  
[54] BIOPSY INSTRUMENT  
[54] INSTRUMENT POUR LES BIOPSIES  
[72] KALDANY, ANTOINE, US  
[73] INTERMED, INC., US  
[85] 1993-12-29  
[86] 1992-06-23 (PCT/US1992/005307)  
[87] (WO1993/000859)  
[30] US (724,706) 1991-07-02

[11] 2,112,647  
[13] C  
[51] Int.Cl. 5A63F 7/00 5A63F 7/30  
[25] EN  
[54] NOVELTY GAME  
[54] JEU D'HABILETE  
[72] HILDEBRAND, DAVID A., US  
[72] WYMAN, MELVIN J., US  
[73] AQUA VEND CORPORATION, US  
[22] 1993-12-30

[11] 2,114,760  
[13] C  
[51] Int.Cl. 5A61F 2/34  
[25] EN  
[54] LOCKING RING FOR AN ACETABULAR CUP  
[54] BAGUE DE FERMETURE POUR CUPULES ACETABULAIRES  
[72] ROHR, WILLIAM, US  
[72] BRODERICK, MELISSA, US  
[72] GONZALEZ, TONY, US  
[73] BRISTOL-MYERS SQUIBB COMPANY, US  
[22] 1994-02-02  
[30] US (08/017,112) 1993-02-12  
[30] US (08/158,471) 1993-11-29

[11] 2,116,089  
[13] C  
[51] Int.Cl. 5B01D 53/26 5B01D 61/00 5C10L 3/10  
[25] EN  
[54] METHOD AND APPARATUS FOR DEWATERING GAS STREAM RESULTING IN A CLEAN WATER EFFLUENT  
[54] METHODE ET APPAREIL POUR LA DESSICCATION DE GAZ RESULTANT EN UN EFFLUENT D'EAU NON CONTAMINEE  
[72] CHAN, ANTHONY WAI PANG, CA  
[72] MARTINEZ, GREGORY MARTIN, CA  
[72] RACKHAM, RALPH, CA  
[73] FUELMAKER CORPORATION, CA  
[22] 1994-02-21

[11] 2,119,756  
[13] C  
[51] Int.Cl. 5C07D 471/04  
[25] FR  
[54] PROCEDE DE PREPARATION DE BENZO[B]NAPHTYRIDINES  
[54] PROCESS FOR PREPARING BENZO[B]NAPHTYRIDINES  
[72] DAUBIE, CHRISTOPHE, FR  
[72] LEGRAND, JEAN-JACQUES, FR  
[72] PEMBERTON, CLIVE, GB  
[73] LABORATOIRE ROGER BELLON, FR  
[85] 1994-03-23  
[86] 1992-10-08 (PCT/FR1992/000937)  
[87] (WO1993/007145)  
[30] FR (91 12479) 1991-10-10

[11] 2,120,137  
[13] C  
[51] Int.Cl. 5C12N 15/48 6C07K 14/15 5A61K 39/21  
[25] EN  
[54] FELINE LEUKEMIA VIRUS VACCINES  
[54] VACCINS CONTRE LE VIRUS DE LA LEUCEMIE FELINE  
[72] WARDLEY, RICHARD C., US  
[72] THOMSEN, DARRELL R., US  
[73] PHARMACIA & UPJOHN COMPANY, US  
[85] 1994-03-28  
[86] 1992-10-08 (PCT/US1992/008427)  
[87] (WO1993/009238)  
[30] US (789,163) 1991-11-08  
[30] US (857,064) 1992-03-25

[11] 2,120,534  
[13] C  
[51] Int.Cl. 5G08G 9/02 5G06F 15/50  
[25] EN  
[54] REAL TIME COLLISION DETECTION  
[54] DETECTION DE COLLISION EN TEMPS REEL  
[72] GREENSPAN, MICHAEL A., CA  
[72] BURTNKY, NESTOR, CA  
[73] HER MAJESTY IN RIGHT OF CANADA AS REPRESENTED BY NATIONAL RESEARCH COUNCIL OF CANADA, CA  
[22] 1994-03-16  
[30] US (08/032,314) 1993-03-17

[11] 2,122,954  
[13] C  
[51] Int.Cl. 5C07F 5/02 5A01N 55/08  
[25] EN  
[54] DIARYL(PYRIDINIO AND ISOQUINOLINIO) BORON FUNGICIDAL AGENTS  
[54] AGENTS FONGICIDES DE TYPE DIARYL(PYRIDINO ET ISOQUINOLINO)BORE  
[72] PATEL, BOMI P., US  
[73] BASF AKTIENGESSELLSCHAFT, DE  
[22] 1994-05-05  
[30] US (08/059,048) 1993-05-07  
[30] US (08/059,143) 1993-05-07

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[11] **2,124,573**  
[13] C

[51] **Int.Cl. 5F02G 5/00**  
[25] EN  
[54] **METHOD FOR UTILIZATION OF HEAT ENERGY IN A DISTRICT HEATING NETWORK FROM A GENERATING PLANT WITH AN AIR-COOLED GENERATOR POWERED BY AN INTERNAL COMBUSTION ENGINE, AND A GENERATING PLANT PERFORMING THE METHOD**  
[54] **CENTRALE A GENERATEUR ENTRAINE PAR UN MOTEUR A COMBUSTION INTERNE ET REFROIDI PAR VENTILATION, ET UTILISATION DANS UN RESEAU DE CHAUFFAGE URBAIN DE L'ENERGIE THERMIQUE PRODUITE**  
[72] MADSEN, SOREN MOLLER, DK  
[72] STROMVIG, JAN, DK  
[73] MOLLER, SOREN, DK  
[85] 1994-05-27  
[86] 1992-11-27 (PCT/DK1992/000353)  
[87] (WO1993/011354)  
[30] DK (1931/91) 1991-11-28

[11] **2,126,525**  
[13] C

[51] **Int.Cl. 5H03F 1/00 5H03H 11/24**  
[25] EN  
[54] **SIGNAL PROCESSING CIRCUIT INCLUDING A VARIABLE GAIN INPUT STAGE**  
[54] **CIRCUIT DE TRAITEMENT DE SIGNAUX COMPORTANT UN ETAGE D'ENTREE A GAIN VARIABLE**  
[72] NYS, OLIVIER, CH  
[72] BLUMENKRANTZ, ENRIQUE MARCELO, CH  
[73] CSEM CENTRE SUISSE D'ELECTRONIQUE ET DE MICROTECHNIQUE SA, CH  
[22] 1994-06-22  
[30] FR (93 07950) 1993-06-28  
[30] FR (94 03541) 1994-03-25

[11] **2,127,357**  
[13] C

[51] **Int.Cl. 5C03C 13/00 5E04B 1/74**  
[25] EN  
[54] **SALINE SOLUBLE INORGANIC FIBRES**  
[54] **FIBRES INORGANIQUES SOLUBLES EN SOLUTION SALINE**  
[72] JUBB, GARY A., GB  
[72] MARTIN, JEAN-LOUIS, FR  
[73] THE MORGAN CRUCIBLE COMPANY PLC, GB  
[85] 1994-07-04  
[86] 1993-01-15 (PCT/GB1993/000085)  
[87] (WO1993/015028)  
[30] GB (9200993.5) 1992-01-17  
[30] GB (9224612.3) 1992-11-24

[11] **2,131,291**  
[13] C

[51] **Int.Cl. 5F16L 55/162 5F16L 55/18**  
[25] EN  
[54] **METHOD AND APPARATUS FOR REPAIRING CONDUITS**  
[54] **METHODE ET APPAREIL POUR LA REPARATION DE CANALISATIONS**  
[72] MAIMETS, LEMBIT, CA  
[73] LINK-PIPE INC., CA  
[85] 1994-08-31  
[86] 1993-03-09 (PCT/CA1993/000086)  
[87] (WO1993/018341)  
[30] US (07/849,217) 1992-03-10

[11] **2,131,807**  
[13] C

[51] **Int.Cl. 5G06K 9/36**  
[25] EN  
[54] **METHOD OF EXECUTING IMAGE PROCESSING OPERATIONS ON A TWO-DIMENSIONAL IMAGE AND ARRANGEMENT FOR EXECUTION OF THE METHOD**  
[54] **METHODE ET DISPOSITIF D'EXECUTION D'OPERATIONS DE TRAITEMENT SUR DES IMAGES BIDIMENSIONNELLES**  
[72] FORCHHEIMER, ROBERT, SE  
[72] ASTROM, ANDERS, SE  
[73] IVP INTEGRATED VISION PRODUCTS AB, SE  
[85] 1994-09-09  
[86] 1993-03-03 (PCT/SE1993/000182)  
[87] (WO1993/018481)  
[30] SE (SE 9200726-9) 1992-03-10

[11] **2,132,150**  
[13] C

[51] **Int.Cl. 5A61K 35/80**  
[25] EN  
[54] **ANTIULCER AGENT AND ADHESION INHIBITOR FOR HELICOBACTER PYROLI**  
[54] **AGENT ANTI-ULCEREUX ET INHIBITEUR DE L'ADHERENCE DE HELICOBACTER PYROLI A LA MUQUEUSE GASTRIQUE**  
[72] KIMURA, ITSUKO, JP  
[72] SHIBATA, HIDEYUKI, JP  
[72] NAGAOKA, MASATO, JP  
[72] HASHIMOTO, SHUSUKE, JP  
[72] SAWADA, HARUJI, JP  
[72] YOKOKURA, TERUO, JP  
[73] KABUSHIKI KAISHA YAKULT HONSHA, JP  
[22] 1994-09-15  
[30] JP (Hei. 5-258883) 1993-09-24  
[30] JP (Hei. 6-111946) 1994-04-28

[11] **2,133,760**  
[13] C

[51] **Int.Cl. 5B01D 39/16 5B01D 46/24**  
[25] EN  
[54] **A FILTER ELEMENT HAVING AN INHERENTLY STABLE, PERMEABLY POROUS PLASTIC SHAPED BODY**  
[54] **ELEMENT FILTRANT AYANT UN CORPS FACONNE EN MATIERE PLASTIQUE POREUSE ET STABLE**  
[72] HERDING, WALTER, DE  
[72] BETHKE, JURGEN, DE  
[72] RABENSTEIN, KLAUS, DE  
[73] HERDING GMBH FILTERTECHNIK, DE  
[85] 1994-10-05  
[86] 1993-04-01 (PCT/EP1993/000803)  
[87] (WO1993/019832)  
[30] DE (P 42 11 529.9) 1992-04-06

[11] **2,134,305**  
[13] C

[51] **Int.Cl. 5B29C 43/24 5B29C 51/02**  
[25] EN  
[54] **CRAZE RESISTANT TRANSPARENT SHEET**  
[54] **FEUILLE TRANSPARENTE RESISTANTE AU FENDILLEMENT**  
[72] BANYAY, HAROLD REID, US  
[72] CHOLOD, MICHAEL STEFAN, US  
[72] KOLANKO, LAURENCE MITCHELL, US  
[72] SMITH, BONNIE VINEIS, US  
[73] ATOFINA, FR  
[22] 1994-10-25  
[30] US (08/145,266) 1993-10-29  
[30] US (08/283,888) 1994-08-01



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[11] 2,136,012  
[13] C

[51] Int.Cl. 5A61H 1/00  
[25] EN  
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[13] C

[51] Int.Cl. 6H01L 21/265 6H01L 31/02 6H01L 31/0352 6H01L 31/07 6H01L 21/22 6H01L 21/324  
[25] EN  
[54] BANDGAP TUNING OF SEMICONDUCTOR QUANTUM WELL STRUCTURES  
[54] REGLAGE DE LA LARGEUR DE LA BANDE INTERDITE DANS LES STRUCTURES A Puits QUANTIQUES  
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[72] CHARBONNEAU, SYLVAIN, CA  
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[30] US (08/172,094) 1993-12-23

[11] 2,140,774  
[13] C

[51] Int.Cl. 6A47B 57/30 6A47B 57/32 6A47B 57/34  
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[30] AU (PL 3648) 1992-07-22

[11] 2,142,864  
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[51] Int.Cl. 6F16G 3/02  
[25] EN  
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[54] JOINT SOUPLE POUR COURROIES D'UN TRANSPORTEUR  
[72] JAKOB, HORST, FR  
[73] ASER, FR  
[85] 1995-02-20  
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[11] 2,145,137  
[13] C

[51] Int.Cl. 6B41F 31/16 6B41F 7/34  
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[54] MACHINE D'IMPRESSION A COURROIES POUR POLYCHROMIE  
[72] BECKER, WOLFGANG, DE  
[72] CHRISTOPH, MICHAEL, DE  
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[73] THIMM VERPACKUNG GMBH + CO., DE  
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[11] 2,145,642  
[13] C

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[72] LATTIN, GARY A., US  
[72] MESSER, GARY A., US  
[72] BILITZ, MARK R., US  
[72] PEERY, JOHN R., US  
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[13] C

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[54] METHOD OF AND A MOLD FOR INJECTION MOLDING OF ARTICLES MADE OF A THERMOPLASTIC MATERIAL AND THE WALLS OF WHICH ENCLOSE A HOLLOW SPACE  
[54] METHODE ET MOULE POUR L'OBTENTION D'ARTICLES MOULES EN THERMOPLASTIQUE COMPORTANT UN ESPACE CREUX DANS LES PAROIS  
[72] ECKARDT, HELMUT, DE  
[72] EHRRIT, JURGEN, DE  
[72] LUSEBRINK, KLAUS, DE  
[72] RENGER, MICHAEL, DE  
[73] BATTENFELD GMBH, DE  
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[54] **BLOC ANNULAIRE DE MOULAGE  
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[72] WAGSTAFF, FRANK EVERTON, US  
[72] WAGSTAFF, ROBERT BRUCE, US  
[72] FORT, DAVID ALLAN, US  
[72] COLLINS, RICHARD J., US  
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[13] C

[51] **Int.Cl. 6F16K 35/00 6F16K 24/02**  
[25] EN  
[54] **PUSH-TO-CONNECT COUPLER  
WITH INTERLOCKING THREE-WAY  
VALVE**  
[54] **DISPOSITIF D'ACCOUPEMENT  
A EMBOITEMENT PAR POUSSEE,  
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[73] PARKER-HANNIFIN  
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[13] C

[51] **Int.Cl. 6H01Q 17/00**  
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COMPOSITION, RADIO WAVE  
ABSORBER MEMBER, RADIO WAVE  
ABSORBER, AND METHOD OF  
PRODUCING RADIO WAVE  
ABSORBER MEMBER**  
[54] **SUBSTANCE D'ABSORPTION  
D'ONDES, ELEMENT ABSORBANT  
LES ONDES RADIO, ABSORBEUR  
D'ONDES RADIO ET METHODE DE  
PRODUCTION D'ELEMENTS  
ABSORBANT LES ONDES RADIO**  
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[73] TAKENAKA CORPORATION, JP  
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IMPLANT DENTAIRE NOTAMMENT**  
[54] **DRILL, PARTICULARLY FOR  
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[72] BORDES, SYLVAIN, FR  
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[11] **2,157,487**  
[13] C

[51] **Int.Cl. 6C23C 18/28 6H01L 21/3205**  
[25] FR  
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DEPOT DE PD CATALYTIQUE SUR UN  
SUBSTRAT**  
[54] **POLYMERIC RESIN FOR  
DEPOSITING CATALYTIC  
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[72] DUPUIS, OLIVIER, BE  
[72] DELVAUX, MARY-HELENE, BE  
[72] DUFOUR, PASCALE, BE  
[72] MALNERO FERNANDEZ, MARIE-  
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[13] C

[51] **Int.Cl. 6A61M 1/10 6A61F 2/06  
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[25] EN  
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WITH VALVED BLOOD CONDUIT AND  
METHOD OF MAKING**  
[54] **DISPOSITIF D'ASSISTANCE  
VENTRICULAIRE DOTE DE  
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SON PROCEDE DE FABRICATION**  
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[72] GREENBERG, SHELDON L., US  
[72] NESS, RONALD A., US  
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DRILLING EQUIPMENT**  
[54] **BOITIER DE TIGE POUR  
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[72] LAUNIEMI, MARKKU, FI  
[72] TIENARI, OSSI, FI  
[73] TAMROCK OY, FI  
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[54] **NONTISSES ELASTIQUES  
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[72] SWAN, MICHAEL D., US  
[73] MINNESOTA MINING AND  
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[54] **PULVERISATEUR ELECTROSTATIQUE**  
[72] JEFFERIES, ANDREW, GB  
[72] PRENDERGAST, MAURICE JOSEPH, GB  
[72] GREEN, MICHAEL LESLIE, GB  
[72] NOAKES, TIMOTHY JAMES, GB  
[73] THE PROCTER & GAMBLE COMPANY, US  
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[54] **PROCESS FOR THE PURIFICATION OF BASIC FIBROBLAST GROWTH FACTOR**  
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[72] KING, ROBERT S., US  
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[54] **DISTRIBUTEUR AUTOMATISE**  
[72] CROSSDALE, GARRY WILLIAM, GB  
[73] JOHNSON DIVERSEY, INC., US  
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[54] **SYSTEME DE TRIAGE DU COURRIER**  
[72] YUI, HIDETO, JP  
[73] KABUSHIKI KAISHA TOSHIBA, JP  
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[54] **DISPOSITIF ETANCHE DE RACCORDEMENT**  
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[73] EXPRO NORTH SEA LTD., GB  
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[30] GB (9404052.4) 1994-03-03

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[51] Int.Cl. 6A61K 31/50  
[25] EN  
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[54] **AGENT DE PROPHYLAXIE ET DE TRAITEMENT DES AFFECTIONS A MEDIATION THROMBOXANE A2**  
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[72] IMADA, TERUAKI, JP  
[72] NAKAMURA, NORIFUMI, JP  
[72] TANIKAWA, KEIZO, JP  
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[54] **INDICATEUR DE PRESSION**  
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[73] GASLOW INTERNATIONAL LIMITED, GB  
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[51] Int.Cl. 6E04H 17/14  
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[72] AMANO, SHINOBU, JP  
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[73] ARGUS MACHINE CO. LTD., CA  
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[51] **Int.Cl. 6H01Q 13/26**  
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[54] **DISPOSITIF D'ANTENNE EN FILM MINCE POUR SYSTEMES DE TELEDEMARRAGE DE VEHICULE**  
[72] DERY, NORMAND, CA  
[73] ASTROFLEX INC., CA  
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[13] C

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[54] **CENTRAL STATION WAVEFORM DISPLAY HAVING DEDICATED USER MESSAGE AREAS**  
[54] **AFFICHAGE DE FORMES D'ONDE AVEC ZONES RESERVEES AUX MESSAGES DE L'UTILISATEUR DANS UNE STATION CENTRALE**  
[72] HOLBROOK, CAROLYN, US  
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[54] **PREPARATIONS DE LIPOSOMES POUR LE TRAITEMENT DES MALADIES VIRALES**  
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[72] BERGERON, MICHEL G., CA  
[73] INFECTIO RECHERCHE INC., CA  
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[13] C

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[13] C

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[25] EN  
[54] **METHOD, COMPUTER PROGRAM PRODUCT, AND DATA STRUCTURE FOR VALIDATING CREATION OF AND ROUTING MESSAGES TO FILE OBJECTS**  
[54] **METHODE, PRODUIT LOGICIEL ET STRUCTURE DE DONNEES PERMETTANT DE VALIDER LA CREATION D'OBJETS FICHIERS ET D'ACHEMINER DES MESSAGES VERS CES OBJETS**  
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[73] MICROSOFT CORPORATION, US  
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[54] **AGITATEUR**  
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[73] FLOWER, ARNOLD B., CA  
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[13] C

[51] **Int.Cl. 6E21B 25/18**  
[25] EN  
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[54] **PORTE-LAME, PIECE DE FORAGE ET DISPOSITIF ET PROCEDE DE FORAGE SUR FOND MARIN**  
[72] WEIXLER, LEONHARD, DE  
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[54] PROTHESE DU TIBIA A SUPPORT MOBILE  
[72] HOFMANN, AARON A., US  
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[30] US (08/803,537) 1997-02-20

[11] 2,221,041  
[13] C

[51] Int.Cl. 6A01M 29/00  
[25] EN  
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[54] DISPOSITIF SERVANT A EFFRAYER LES OISEAUX AFIN DE PROTEGER UN PLAN D'EAU  
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[72] KASTNER, DARRYL, CA  
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[73] KASTNER, DARRYL, CA  
[22] 1997-11-14

[11] 2,222,759  
[13] C

[51] Int.Cl. 6C23C 28/00 6C25D 5/26  
[25] EN  
[54] NICKELLED STEEL SHEET PROOFED AGAINST TIGHT ADHESION DURING ANNEALING AND PROCESS FOR PRODUCTION THEREOF  
[54] TOLE MINCE D'ACIER NICKEELEE RESISTANT A UNE FORTE ADHERENCE EN COURS DE RECUI ET PROCEDE DE PRODUCTION CORRESPONDANT  
[72] OHMURA, HITOSHI, JP  
[72] TOMOMORI, TATSUO, JP  
[72] OHMURA, HIDEO, JP  
[73] TOYO KOHAN CO., LTD., JP  
[85] 1997-11-28  
[86] 1996-05-23 (PCT/JP1996/001368)  
[87] (WO1996/038600)  
[30] JP (7/159851) 1995-06-01

[11] 2,223,743  
[13] C

[51] Int.Cl. 6A24C 5/47 6A24F 47/00  
[25] EN  
[54] CIGARETTE AND METHOD OF MANUFACTURING CIGARETTE FOR ELECTRICAL SMOKING SYSTEM  
[54] CIGARETTES ET PROCEDE DE FABRICATION DE CIGARETTES POUR UN SYSTEME D'ALLUMAGE ELECTRIQUE  
[72] SANDERSON, WESLEY G., US  
[72] ADAMS, JOHN M., US  
[72] JONES, DONALD H., US  
[72] KEEN, BILLY J., JR., US  
[72] HARRIS, CHARLES W., US  
[72] BRAUNSHTEYN, MIKHAIL S., US  
[72] DALE, GERALD M., US  
[72] SMITH, BARRY S., US  
[72] WRENN, SUSAN E., US  
[72] STEVENSON, BRETT W., US  
[72] COUNTS, MARY ELLEN, US  
[73] PHILIP MORRIS PRODUCTS INC., US  
[85] 1997-12-05  
[86] 1996-06-06 (PCT/US1996/009969)  
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[30] US (08/485,190) 1995-06-07

[11] 2,225,841  
[13] C

[51] Int.Cl. 6E02F 5/10 6E02F 5/06  
[25] EN  
[54] A METHOD FOR OPERATION TO EXCAVATE UNDERDRAIN IN THE FIELD GROUND AND A DEVICE FOR OPERATION TO EXCAVATE UNDERDRAIN  
[54] METHODE D'EXCAVATION DE DRAINS SOUTERRAINS DANS UN CHAMP ET DISPOSITIF D'EXCAVATION DE DRAINS SOUTERRAINS  
[72] NISHIGUCHI, MOTOJI, JP  
[73] YUGENKAISHA UNIT SHOJI LIMITED, JP  
[22] 1997-12-24  
[30] JP (356835/96) 1996-12-26

[11] 2,231,583  
[13] C

[51] Int.Cl. 6C08L 3/06  
[25] EN  
[54] MICROFIBER REINFORCED BIODEGRADABLE STARCH ESTER COMPOSITES WITH ENHANCED SHOCK ABSORBANCE AND GOOD PROCESSABILITY  
[54] COMPOSITES BIODEGRADABLES D'ESTER D'AMIDON RENFORCE PAR DES MICROFIBRES A ABSORPTION DES CHOCS ACCRUE ET BONNE OUVRABILITE  
[72] NARAYAN, RAMANI, US  
[72] KOTNIS, MAHESH, US  
[72] TANAKA, HIDEYUKI, JP  
[72] MIYACHI, NOBUO, JP  
[73] EVERCORN INC., US  
[85] 1998-03-10  
[86] 1997-01-27 (PCT/US1997/001158)  
[87] (WO1997/028214)  
[30] US (08/595,062) 1996-02-01

[11] 2,232,084  
[13] C

[51] Int.Cl. 6H01L 31/0352  
[25] EN  
[54] SEMICONDUCTOR HETEROSTRUCTURE RADIATION DETECTOR HAVING TWO SPECTRAL SENSITIVITY RANGES  
[54] DETECTEUR DE RAYONNEMENT A HETEROSTRUCTURE DE SEMI-CONDUCTEUR, POURVU DE DEUX ZONES DE SENSIBILITE SPECTRALES  
[72] SCHONBEIN, CLEMENS, DE  
[72] SCHNEIDER, HARALD, DE  
[73] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE  
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[30] DE (195 38 650.7) 1995-10-17

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[51] **Int.Cl. 6F15D 1/00 6F16K 47/02  
6F16L 55/033 6F17D 1/20**  
[25] EN  
[54] **BLOWDOWN AND VENTING JET  
NOISE SUPPRESSOR**  
[54] **SILENCIEUX DE PISTES A  
DEPRESSURISATION ET A  
VENTILATION**  
[72] PETELA, GRAZYNA, CA  
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[13] C

[51] **Int.Cl. 6A61K 39/39 6A61K 31/56**  
[25] FR  
[54] **COMPOSITIONS  
PHARMACEUTIQUES CONTENANT  
DES DERIVES DE STEROIDES  
IMPLIQUES DANS LE  
DECLENCHEMENT DE LA REPOSE  
IMMUNITAIRE**  
[54] **PHARMACEUTICAL  
COMPOSITIONS CONTAINING  
STEROID DERIVATIVES INVOLVED  
IN TRIGGERING AN IMMUNE  
RESPONSE**  
[72] MORFIN, ROBERT, FR  
[72] RONCO, JORGE, FR  
[73] LABORATOIRES MAYOLY  
SPINDLER, FR  
[85] 1998-04-15  
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[87] (WO1996/035428)  
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[13] C

[51] **Int.Cl. 6H02K 3/00 6H02K 41/02**  
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[54] **DEVICE FOR CONNECTING TO A  
GROUNDING CONDUCTOR THE  
ELECTRICALLY CONDUCTIVE  
SHEATH OF A LEAD**  
[54] **DISPOSITIF DE CONNEXION  
D'UNE ENVELOPPE  
ELECTRIQUEMENT CONDUCTRICE  
D'UN CABLE AVEC UN FIL DE MASSE**  
[72] KUEPACH, HERMANN V., DE  
[72] LOSER, FRIEDRICH, DE  
[72] FUNKEN, PETER, DE  
[72] HEINEN, KARL-HANS, DE  
[72] VOGT, JURGEN, DE  
[73] FELTEN & GUILLEAUME AG, DE  
[73] THYSSEN TRANSRAPID SYSTEM  
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[85] 1998-04-29  
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[13] C

[51] **Int.Cl. 6H04M 3/22 6H04Q 7/34**  
[25] EN  
[54] **METHOD AND APPARATUS FOR  
SIGNAL STRENGTH MEASUREMENT  
OF SUPERVISORY AUDIO TONES  
(SATS) IN A RADIO  
COMMUNICATIONS SYSTEM**  
[54] **PROCEDE ET APPAREIL DE  
MESURE D'INTENSITE DE SIGNAUX  
DE TONALITES AUDIO DE CONTROLE  
DANS UN SYSTEME DE  
RADIOCOMMUNICATIONS**  
[72] LIDFORS, JOHNNY, SE  
[72] RYDE, OMAR, SE  
[73] TELEFONAKTIEBOLAGET LM  
ERICSSON, SE  
[85] 1998-05-14  
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[30] US (08/561,055) 1995-11-22

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[25] EN  
[54] **FLOW CONTROL VALVE FOR  
CONTINUOUS DISCHARGE  
CENTRIFUGAL CONCENTRATORS**  
[54] **VALVE REGULATRICE DE DEBIT  
POUR CONCENTRATEUR  
CENTRIFUGE A DECHARGE  
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[72] MCALISTER, STEVEN A., CA  
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[13] C

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[25] EN  
[54] **ENDOTHELIAL CELL  
PROLIFERATION INHIBITOR AND  
METHOD OF USE**  
[54] **INHIBITEUR DE LA  
PROLIFERATION DES CELLULES  
ENDOTHELIALES, ET PROCEDE  
D'UTILISATION DE CELUI-CI**  
[72] CAO, YIHAI, SE  
[72] FOLKMAN, MOSES JUDAH, US  
[72] O'REILLY, MICHAEL S., US  
[72] DAVIDSON, DONALD J., US  
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CENTER CORPORATION, US  
[73] ABBOTT LABORATORIES, US  
[85] 1998-06-11  
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[25] EN  
[54] PUBLIC COMMUNICATIONS  
SERVICES VENDING METHOD AND  
APPARATUS  
[54] METHODE ET APPAREIL DE  
DISTRIBUTION AUTOMATIQUE DE  
SERVICES DE COMMUNICATION  
PUBLIQUE  
[72] HILLSON, ANDREW RAINES, CA  
[72] CHOW, ALFRED, CA  
[72] MANSON, MICHAEL GEORGE, CA  
[72] JANSEN, BERNARD, CA  
[72] DICKIE, DOUGLAS BROCK, CA  
[72] ISGRO, NICK, CA  
[72] JUDD, JAMES MARSHALL, US  
[72] MCDONALD, JOHN MAURICE, CA  
[73] NORTEL NETWORKS LIMITED, CA  
[22] 1998-09-10  
[30] US (08/928,519) 1997-09-12

[11] 2,247,578  
[13] C

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[25] EN  
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COMMUNICATIONS AND METHOD  
FOR PREPARING THE SAME  
[54] POLYIMIDE POUR  
COMMUNICATIONS OPTIQUES ET  
METHODE POUR LE PREPARER  
[72] CHUNG, EUN-YOUNG, KR  
[72] SUH, DONG-HACK, KR  
[72] RHEE, TAE-HYUNG, KR  
[73] KOREA RESEARCH INSTITUTE OF  
CHEMICAL TECHNOLOGY, KR  
[73] SAMSUNG ELECTRONICS CO.,  
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[22] 1998-09-16  
[30] KR (97-47599) 1997-09-18

[11] 2,248,258  
[13] C

[51] Int.Cl. 6D01D 5/16 6D01D 10/00  
6D04H 3/14  
[25] EN  
[54] PROCESS OF MAKING SPUN-  
BONDED WEB  
[54] PROCEDE DE PRODUCTION D'UN  
VOILE TISSE-LIE  
[72] ZIMMERMAN, LEON H.  
(DECEASED), US  
[72] WILLIS, EDWARD K., US  
[72] BRIGNOLA, EDWARD L., US  
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[73] REEMAY INC., US  
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[86] 1997-03-13 (PCT/US1997/004114)  
[87] (WO1997/036026)  
[30] US (08/622,312) 1996-03-27

[11] 2,248,794  
[13] C

[51] Int.Cl. 6A61K 31/55  
[25] EN  
[54] MEDICAMENT FOR PREVENTIVE  
AND TREATMENT FOR VIRAL  
INFECTIOUS DISEASES  
[54] MEDICAMENTS POUR LA  
PREVENTION ET LE TRAITEMENT  
D'INFECTIONS VIRALES  
[72] ADACHI, AKIO, JP  
[72] ASANO, TOSHIO, JP  
[72] FUJII, YOICHI, JP  
[73] ASAHI KASEI PHARMA  
CORPORATION, JP  
[85] 1998-09-04  
[86] 1997-04-02 (PCT/JP1997/001136)  
[87] (WO1997/037661)  
[30] JP (8/88233) 1996-04-10

[11] 2,249,429  
[13] C

[51] Int.Cl. 6F16F 3/10 6B60K 5/12  
[25] EN  
[54] A HYBRID ELASTOMER-AND-  
METAL SPRING ISOLATOR  
[54] ANTIVIBRATEUR A RESSORT  
HYBRIDE ELASTOMERE ET METAL  
[72] GWINN, JAMES T., US  
[73] LORD CORPORATION, US  
[85] 1998-09-18  
[86] 1997-02-18 (PCT/US1997/002333)  
[87] (WO1997/035124)  
[30] US (08/618,148) 1996-03-19

[11] 2,254,156  
[13] C

[51] Int.Cl. 6G01L 5/12  
[25] FR  
[54] DISPOSITIF DE MESURE DE LA  
POUSSEE AXIALE SUR UN ARBRE  
TOURNANT  
[54] DEVICE FOR MEASURING AXIAL  
FORCE ON A SPINNING SHAFT  
[72] ROGER, CHRISTIAN MARIE  
MICHEL, FR  
[73] HISPANO SUIZA, FR  
[22] 1998-11-13  
[30] FR (97.14555) 1997-11-20

[11] 2,258,772  
[13] C

[51] Int.Cl. 6G01V 3/08  
[25] EN  
[54] MAGNETIC READING DEVICES  
[54] DISPOSITIFS DE LECTURE  
MAGNETIQUE  
[72] MCKINNON, ALEXANDER WILSON,  
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[72] CROSSFIELD, MICHAEL DAVID, GB  
[72] DAMES, ANDREW NICHOLAS, GB  
[73] FLYING NULL LIMITED, GB  
[85] 1998-12-18  
[86] 1997-06-19 (PCT/GB1997/001662)  
[87] (WO1997/048990)  
[30] GB (9612831.9) 1996-06-19  
[30] GB (9620591.9) 1996-10-03

[11] 2,259,853  
[13] C

[51] Int.Cl. 6E21B 49/00 6E21B 7/04  
[25] EN  
[54] APPARATUS AND METHOD FOR  
DETERMINING A DRILLING MODE  
TO OPTIMIZE FORMATION  
EVALUATION MEASUREMENTS  
[54] APPAREIL ET METHODE POUR  
DETERMINER UN MODE DE FORAGE  
DESTINE A OPTIMISER LES MESURES  
D'EVALUATION D'UNE FORMATION  
[72] HEIDLER, RALF, US  
[72] CRARY, STEVEN F., US  
[72] POITZSCH, MARTIN E., US  
[72] ESMERSON, CENGIZ, US  
[73] SCHLUMBERGER CANADA  
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[13] C

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[25] EN  
[54] **FIFTH WHEEL BEARING  
PIVOTING PLATE**  
[54] **SELLETTE D'ATTELLAGE A  
PLATEAU PIVOTANT**  
[72] BABIN, PIERRE, CA  
[73] BABIN, PIERRE, CA  
[22] 1999-02-08

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[11] **2,261,410**  
[13] C

[51] **Int.Cl. 6H04B 7/185 6H04Q 7/22**  
[25] EN  
[54] **PRIORITY AND PREEMPTION  
SERVICE SYSTEM FOR SATELLITE  
RELATED COMMUNICATION USING  
CENTRAL CONTROLLER**  
[54] **SYSTEME DE SERVICE  
D'ETABLISSEMENT DES PRIORITES  
ET DE PREEMPTION UTILISANT UN  
CONTROLEUR CENTRAL POUR DES  
COMMUNICATIONS RELIEES A DES  
SATELLITES**  
[72] GARNER, WILLIAM B., US  
[73] MOBILE SATELLITE VENTURES LP,  
US  
[22] 1999-02-10  
[30] US (09/022,877) 1998-02-12

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[13] C

[51] **Int.Cl. 6G06K 19/077**  
[25] EN  
[54] **PROXIMITY CARD DETECTION  
SYSTEM**  
[54] **SYSTEME DE DETECTION DE  
PROXIMITE DE CARTE**  
[72] RUSSELL, ROGER KEITH, US  
[72] RODENBECK, ROBERT WILMER,  
US  
[72] LONG, MICHAEL LEE, US  
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[30] US (60/076,024) 1998-02-26

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[11] **2,262,695**  
[13] C

[51] **Int.Cl. 6B29C 49/36 6B29C 49/04**  
[25] EN  
[54] **ROTARY PLASTIC BLOW  
MOLDING MACHINE**  
[54] **MACHINE ROTATIVE POUR LE  
MOULAGE PAR SOUFFLAGE DE  
MATIERES PLASTIQUES**  
[72] KITZMILLER, MICHAEL C., US  
[73] PLASTIPAK PACKAGING, INC., US  
[85] 1999-02-04  
[86] 1997-08-04 (PCT/US1997/013709)  
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[13] C

[51] **Int.Cl. 6F16B 25/04**  
[25] EN  
[54] **ENHANCED STRENGTH SCREW-  
TYPE MASONRY ANCHOR**  
[54] **PIECE D'ANCRAGE DE  
MACONNERIE A VIS PLUS ROBUSTE**  
[72] GIANNUZZI, ANTHONY C., US  
[72] GIANNUZZI, LOUIS N., US  
[73] GIANNUZZI, ANTHONY C., US  
[73] GIANNUZZI, LOUIS N., US  
[22] 1999-02-26  
[30] US (09/184,265) 1998-11-02

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[13] C

[51] **Int.Cl. 6B01D 53/66 6A61L 9/015**  
[25] EN  
[54] **METHOD AND APPARATUS FOR  
PROCESSING POLLUTED GAS  
CONTAINING HARMFUL  
SUBSTANCES**  
[54] **METHODE ET APPAREIL DE  
TRAITEMENT DES GAZ POLLUES  
CONTENANT DES SUBSTANCES  
NOCIVES**  
[72] TSUTAYA, HIROYUKI, JP  
[72] TOMONAGA, NARIYUKI, JP  
[72] IZUMI, JUN, JP  
[72] YASUTAKE, AKINORI, JP  
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[25] EN  
[54] **EMBOSSSED FABRIC**  
[54] **TISSU GAUFRE**  
[72] MORRISON, DAVID, US  
[72] MCCULLOCH, JAMES R., US  
[73] MICROFIBRES, INC., US  
[85] 1999-03-09  
[86] 1997-10-28 (PCT/US1997/019402)  
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[30] US (08/740,429) 1996-10-29

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[13] C

[51] **Int.Cl. 6F16D 3/18**  
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[54] **ACCOUPEMENT DE  
TRANSMISSION**  
[54] **TRANSMISSION COUPLING  
DEVICE**  
[72] BOUCQUEY, PAUL EGIDE, BE  
[73] ESCO TRANSMISSIONS, BE  
[85] 1999-03-18  
[86] 1997-09-19 (PCT/BE1997/000110)  
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[30] BE (9600795) 1996-09-20

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[11] **2,267,762**  
[13] C

[51] **Int.Cl. 6H01G 7/00**  
[25] EN  
[54] **THE METHOD OF OBTAINING  
THE ADJUSTABLE CAPACITOR**  
[54] **METHODE D'OBTENTION DU  
CONDENSATEUR REGLABLE**  
[72] ZAKHARIAN, MANVEL, CA  
[73] ZAKHARIAN, MANVEL, CA  
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[13] C

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[25] EN  
[54] **HIGH SPEED TILTED BELT SORTER**  
[54] **MACHINE DE TRI A COURROIE INCLINEE GRANDE VITESSE**  
[72] BONNET, HENRI, US  
[73] UNITED PARCEL SERVICE OF AMERICA, INC., US  
[85] 1999-04-19  
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[30] US (08/795,707) 1997-02-04

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[13] C

[51] **Int.Cl. 6B65G 17/08 6F16G 13/02**  
[25] EN  
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[72] BONNET, HENRI, US  
[73] UNITED PARCEL SERVICE OF AMERICA, INC., US  
[85] 1999-05-03  
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[13] C

[51] **Int.Cl. 6G06F 17/30**  
[25] EN  
[54] **MODELING GEOLOGICAL STRUCTURES AND PROPERTIES**  
[54] **MODELISATION DE STRUCTURES ET PROPRIETES GEOLOGIQUES**  
[72] ASSA, STEVEN BRENT, GB  
[72] CELNIKER, GEORGE WILLIAM, US  
[72] ENDRES, DAVID MACK, US  
[73] SCHLUMBERGER CANADA LIMITED, CA  
[85] 1999-06-18  
[86] 1997-12-18 (PCT/US1997/024278)  
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[30] US (08/772,082) 1996-12-19

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[51] **Int.Cl. 6G06F 11/00 6G06F 11/16**  
[25] EN  
[54] **METHOD AND APPARATUS FOR CORRECTING ERRORS IN COMPUTER SYSTEMS**  
[54] **PROCEDE ET DISPOSITIF AUX FINS DE LA CORRECTION D'ERREURS DANS UN SYSTEME INFORMATIQUE**  
[72] KEPPEL, DAVID, US  
[72] BEDICHEK, ROBERT, US  
[72] KLAIBER, ALEX, US  
[73] TRANSMETA CORPORATION, US  
[85] 1999-06-29  
[86] 1998-02-13 (PCT/US1998/002673)  
[87] (WO1998/038575)  
[30] US (08/807,542) 1997-02-28

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[11] **2,278,057**  
[13] C

[51] **Int.Cl. 6C07K 5/078 6A61K 38/05**  
[25] EN  
[54] **TACHYKININ ANTAGONISTS**  
[54] **ANTAGONISTES DE TACHYKININE**  
[72] PRASHAD, MAHAVIR, US  
[72] WALPOLE, CHRISTOPHER SIMON JOHN, CA  
[72] HAR, DENIS, US  
[73] NOVARTIS AG, CH  
[85] 1999-07-13  
[86] 1997-12-29 (PCT/EP1997/007307)  
[87] (WO1998/031704)  
[30] GB (9700597.9) 1997-01-14

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[13] C

[51] **Int.Cl. 6A41B 13/10 6B31F 5/02 6B31F 1/07**  
[25] EN  
[54] **DISPOSABLE BIB HAVING NOTCHED TEAR RESISTANCE**  
[54] **BAVETTE JETABLE DOTEE D'UNE RESISTANCE A LA DECHIRURE PAR ENTAILLE**  
[72] REINHART, RICHARD NICHOLAS JR., US  
[72] PAWLIKOWSKI, JULIE ANN, US  
[72] LEWIS, ROBERT DRENNAN, US  
[72] JACKSON, BEVERLY ANN JULIAN, US  
[73] THE PROCTER & GAMBLE COMPANY, US  
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[51] **Int.Cl. 6B25G 1/00**  
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[54] **POIGNEE POUR OUTIL TEL QU'UNE PELLE**  
[72] WHITEHEAD, STEPHEN P., US  
[72] ANDERSON, TORRENCE C., US  
[72] VOGLER, MICHAEL R., US  
[73] SUNCAST CORPORATION, US  
[22] 1999-07-28  
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[11] **2,283,615**  
[13] C

[51] **Int.Cl. 6G07F 17/32**  
[25] EN  
[54] **GAMING DEVICE AND METHOD USING PROGRAMMABLE DISPLAY SWITCH**  
[54] **DISPOSITIF ET METHODE DE JEU UTILISANT UN SELECTEUR D'AFFICHAGE PROGRAMMABLE**  
[72] MATTICE, HAROLD E., US  
[72] WILDER, RICHARD, US  
[72] GRISWOLD, CHAUNCEY WARNER, US  
[73] IGT, US  
[22] 1999-09-27  
[30] US (09/166,472) 1998-10-05

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[11] **2,283,616**  
[13] C

[51] **Int.Cl. 6F16B 7/04 6F16L 3/10 6B60N 2/44 6A47C 7/46**  
[25] EN  
[54] **CLIP WITH SLIDING LID FOR AN AUTOMOTIVE SEAT AND SIMILAR APPLICATIONS**  
[54] **PINCE AVEC COUVERCLE A GLISSIERE POUR SIEGE D'AUTOMOBILE ET APPLICATIONS SEMBLABLES**  
[72] MEYER, CHARLES, US  
[73] ILLINOIS TOOL WORKS INC., US  
[22] 1999-09-27  
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[51] **Int.Cl. 6H04N 5/208**  
[25] EN  
[54] **CONTOUR EMPHASIZING CIRCUIT**  
[54] **CIRCUIT D'ACCENTUATION DE CONTOURS**  
[72] SUZUKI, SUSUMU, JP  
[72] KURITA, MASANORI, JP  
[73] FUJITSU GENERAL LIMITED, JP  
[85] 1999-09-24  
[86] 1997-03-25 (PCT/JP1997/000995)  
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[11] **2,285,764**  
[13] C

[51] **Int.Cl. 6H01M 10/42 6H01M 10/04**  
[25] EN  
[54] **ELECTROLYTE SOLUTION FILLING METHOD AND BATTERY STRUCTURE OF LITHIUM SECONDARY BATTERY**  
[54] **METHODE DE REMPLISSAGE POUR SOLUTION ELECTROLYTE ET STRUCTURE DE BATTERIE SECONDAIRE AU LITHIUM**  
[72] NEMOTO, HIROSHI, JP  
[72] KITOH, KENSHIN, JP  
[72] ENOMOTO, AKIO, JP  
[73] NGK INSULATORS, LTD., JP  
[22] 1999-10-12  
[30] JP (10-290832) 1998-10-13  
[30] JP (10-313266) 1998-11-04  
[30] JP (10-334291) 1998-11-25

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[13] C

[51] **Int.Cl. 7B23B 1/00**  
[25] EN  
[54] **MACHINING CENTRE, CONTOURING PROCESS, AND TOOL SUPPORTING MECHANISM, TOOL CHANGER, CURVIC COUPLING DEVICE, AND PALLET CHANGER IN MACHINE TOOL**  
[54] **CENTRE D'USINAGE, PROCESSUS DE PROFILAGE, ET MECANISME DE SUPPORT D'OUTIL, CHANGEUR D'OUTIL, DISPOSITIF D'ACCOUPLLEMENT DE TYPE CURVIC, ET CHANGEUR DE PALETTE DANS UNE MACHINE-OUTIL**  
[72] MIYAGI, TOMOYOSHI, JP  
[72] NONOMURA, FUJIO, JP  
[72] KATO, NORIYOSHI, JP  
[72] YAMAUCHI, KATSUTOSHI, JP  
[72] NAKATSUKA, KAZUSHIGE, JP  
[72] UJIHASHI, KOUJI, JP  
[72] NOMURA, HIROKI, JP  
[73] HONDA GIKEN KOGYO KABUSHIKI KAISHA, JP  
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[13] C

[51] **Int.Cl. 7A47L 5/28 7A47L 5/32**  
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[54] **STICK-TYPE VACUUM CLEANER**  
[54] **ASPIRATEUR VERTICAL**  
[72] PARK, JUNG-SU, KR  
[72] HWANG, YUN-SUP, KR  
[73] SAMSUNG GWANGJU ELECTRONICS CO., LTD., KR  
[22] 1999-12-06  
[30] KR (99-33340) 1999-08-13  
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[11] **2,292,493**  
[13] C

[51] **Int.Cl. 7E01F 7/04**  
[25] EN  
[54] **METHOD AND DEVICE FOR PREVENTING AVALANCHES, SNOW SLIDES OR THE LIKE**  
[54] **PROCEDE ET DISPOSITIF POUR LUTTER CONTRE LA FORMATION D'AVALANCHES, COULEES DE NEIGE ET ANALOGUES**  
[72] MUTSCHLER, FRIEDOLF, DE  
[73] MUTSCHLER, FRIEDOLF, DE  
[85] 1999-12-02  
[86] 1998-05-29 (PCT/EP1998/003233)  
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[13] C

[51] **Int.Cl. 7B65H 23/032 7B41F 21/00 7B65H 43/00 7B41L 21/00 7B65H 20/02**  
[25] EN  
[54] **METHOD FOR CALIBRATION AND AUTOMATIC ALIGNMENT IN FRICTION DRIVE APPARATUS**  
[54] **METHODE D'ETALONNAGE ET D'ALIGNEMENT AUTOMATIQUE DE DISPOSITIF A ENTRAINEMENT PAR FRICTION**  
[72] WOOD, KENNETH O., US  
[72] RAIOLA, PATRICK, US  
[72] YEO, DAREN, US  
[73] GERBER SCIENTIFIC PRODUCTS, INC., US  
[22] 1999-12-20  
[30] US (09/217,667) 1998-12-21

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[11] \* **2,293,064**  
[13] C

[51] **Int.Cl. 7G06F 17/30 7G11B 23/00**  
[25] EN  
[54] **METHOD AND APPARATUS FOR ANALYZING DATA RETRIEVAL USING INDEX SCANNING**  
[54] **METHODE ET DISPOSITIF D'ANALYSE D'EXTRACTION DE DONNEES AU MOYEN DU BALAYAGE D'INDEX**  
[72] LAI, TONY WEN HSUN, CA  
[73] IBM CANADA LIMITED-IBM CANADA LIMITEE, CA  
[22] 1999-12-22

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[13] C

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[25] EN  
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[54] **BAVOIR PRESENTANT UNE OUVERTURE DE POCHE AMELIOREE**  
[72] LAMPSON, PATRICIA LEE, US  
[72] GUPTA, AMIT, US  
[73] THE PROCTER & GAMBLE COMPANY, US  
[85] 1999-12-16  
[86] 1998-06-22 (PCT/IB1998/000956)  
[87] (WO1999/000028)  
[30] US (08/884,374) 1997-06-27

[11] 2,295,581  
[13] C

[51] Int.Cl. 7A22C 11/02  
[25] EN  
[54] **METHOD AND MEANS FOR CONTROLLING THE VARIATIONS IN WEIGHT OF EXTRUDED SAUSAGES**  
[54] **PROCEDE ET MOYEN POUR CONTROLER LES VARIATIONS EN POIDS DE SAUCISSES EXTRUDEES**  
[72] DAVISON, DAVID, US  
[72] KOBUSSEN, JOS, US  
[72] KOBUSSEN, MART, US  
[72] KOBUSSEN, JAAP, US  
[73] TOWNSEND ENGINEERING COMPANY, US  
[85] 2000-01-07  
[86] 1999-07-14 (PCT/US1999/015914)  
[87] (WO2000/003603)  
[30] US (60/092,879) 1998-07-15

[11] 2,295,834  
[13] C

[51] Int.Cl. 7C01B 25/24  
[25] EN  
[54] **CONDENSATION POLYMERIZATION OF PHOSPHORUS CONTAINING COMPOUNDS**  
[54] **POLYMERISATION PAR CONDENSATION DE COMPOSES RENFERMANT DU PHOSPHORE**  
[72] JENKINS, HERBERT, CA  
[72] GODBER, JOHN P., CA  
[73] RHODIA CANADA INC., CA  
[85] 2000-01-07  
[86] 1998-07-10 (PCT/CA1998/000669)  
[87] (WO1999/002454)  
[30] US (08/891,638) 1997-07-11

[11] 2,295,993  
[13] C

[51] Int.Cl. 7C07C 227/22 7C07B 53/00  
[25] EN  
[54] **NOVEL STEREOSELECTIVE PROCESSES FOR THE PREPARATION OF GABAPENTIN ANALOGUES**  
[54] **NOUVEAUX PROCEDES STEREOSELECTIFS DE PREPARATION D'ANALOGUES DE LA GABAPENTINE**  
[72] MORRELL, ANDREW IAN, GB  
[72] BRYANS, JUSTIN STEPHEN, GB  
[73] WARNER-LAMBERT COMPANY, US  
[85] 2000-01-10  
[86] 1998-08-11 (PCT/US1998/016652)  
[87] (WO1999/014184)  
[30] US (60/059,204) 1997-09-18

[11] 2,296,178  
[13] C

[51] Int.Cl. 7C12N 15/12 7C12N 5/10 7C07K 16/18 7C07K 14/47 7G01N 33/58  
[25] EN  
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[54] **NPT2B DE L'INTESTIN HUMAIN**  
[72] SANKURATI, SURYANARAYANA, US  
[72] CANNON, PAUL DAVID, US  
[73] F. HOFFMANN-LA ROCHE AG, CH  
[22] 2000-02-07  
[30] US (60/119,321) 1999-02-09

[11] 2,296,645  
[13] C

[51] Int.Cl. 7B21J 15/02 7B21J 15/16  
[25] EN  
[54] **METHOD AND APPARATUS FOR FORMING RIVET JOINTS**  
[54] **PROCEDE ET APPAREIL DE FORMATION D'ASSEMBLAGES RIVETES**  
[72] THOMPSON, EDWIN E., US  
[72] RIVERA, BENJAMIN C., US  
[73] LEATHERMAN TOOL GROUP, INC., US  
[85] 2000-01-12  
[86] 1998-07-06 (PCT/US1998/014271)  
[87] (WO1999/004916)  
[30] US (08/898,554) 1997-07-22

[11] 2,297,003  
[13] C

[51] Int.Cl. 7E21B 47/00 7E21B 47/02 7E21B 34/06 7E21B 43/12 7G01F 15/18  
[25] EN  
[54] **FLOW MEASUREMENT MANDREL**  
[54] **MANDRIN POUR MESURE DE DEBIT**  
[72] PRINGLE, RONALD E., US  
[72] MORRIS, ARTHUR J., US  
[73] SCHLUMBERGER CANADA LIMITED, CA  
[85] 2000-01-20  
[86] 1998-06-15 (PCT/US1998/012452)  
[87] (WO1999/005478)  
[30] US (60/053,622) 1997-07-24

[11] 2,298,218  
[13] C

[51] Int.Cl. 7A47B 96/02 7G09F 19/12  
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[54] **SHELF ORGANIZING SYSTEM**  
[54] **SYSTEME DE PLATEAUX DE MAINTIEN**  
[72] WILDRICK, RICHARD J., US  
[72] NAGEL, THOMAS O., US  
[72] THALENFELD, DAVID R., US  
[73] TRION INDUSTRIES, INC., US  
[22] 2000-02-07  
[30] US (09/459,057) 1999-12-10

[11] 2,298,396  
[13] C

[51] Int.Cl. 7F02D 19/02 7F02M 21/02  
[25] EN  
[54] **METHOD AND SYSTEM FOR CONTROLLING AN AIR-TO-FUEL RATIO IN A NON-STOICHIOMETRIC POWER GOVERNED GASEOUS-FUELED STATIONARY INTERNAL COMBUSTION ENGINE**  
[54] **METHODE ET SYSTEME DE REGULATION D'UN RAPPORT AIR-CARBURANT D'UN MOTEUR THERMIQUE NON STOECHIOMETRIQUE FIXE, M MECANIQUEMENT ET ALIMENTE EN COMBUSTIBLE**  
[72] PEDERSEN, CURTIS T., US  
[72] WEISBROD, ERIC J., US  
[72] WEISBROD, JOSEPH C., US  
[73] ANR PIPELINE COMPANY, US  
[22] 2000-02-14  
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[13] C

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[54] **TWO-PART MANUAL TEST CONNECTOR**  
[54] **CONNECTEUR D'ESSAI MANUEL EN DEUX PARTIES**  
[72] HART, JAMES E., US  
[73] WESTINGHOUSE AIR BRAKE COMPANY, US  
[22] 2000-02-16  
[30] US (262,219) 1999-03-04

[11] **2,298,907**  
[13] C

[51] **Int.Cl. 7B01J 27/04 7C01B 3/04**  
[25] EN  
[54] **ZNS PHOTOCATALYST FOR HYDROGEN PRODUCTION, PREPARATION THEREFOR AND METHOD FOR PRODUCING HYDROGEN BY USE OF THE SAME**  
[54] **PHOTOCATALYSEUR A BASE DE SULFURE DE ZINC (ZNS) POUR LA PRODUCTION D'HYDROGENE, SA PREPARATION ET METHODE POUR PRODUIRE DE L'HYDROGENE AVEC CELUI-CI**  
[72] BAEG, JIN-OOK, KR  
[72] PARK, DAE-CHUL, KR  
[73] KOREA RESEARCH INSTITUTE OF CHEMICAL TECHNOLOGY, KR  
[73] CHUNGGU CO., LTD., KR  
[22] 2000-02-17

[11] **2,299,104**  
[13] C

[51] **Int.Cl. 7C07C 211/07 7C07D 323/00 7C07D 273/08 7C07C 229/16 7C07C 211/21 7E21B 43/22 7C07C 251/34 7C07C 211/35 7C07F 9/38**  
[25] EN  
[54] **IMPROVED RECOVERY AND TRANSPORTATION OF HEAVY CRUDE OILS**  
[54] **RECUPERATION ET TRANSPORT AMELIORES DE PETROLES BRUTS LOURDS**  
[72] MAZZA, GUIDO, VE  
[72] BANAVALI, RAJIV MANOHAR, US  
[72] CHHEDA, BHARATI DINKAR, US  
[73] ROHM AND HAAS COMPANY, US  
[22] 2000-02-22  
[30] US (60/122,496) 1999-03-02

[11] **2,299,207**  
[13] C

[51] **Int.Cl. 7E21B 21/06**  
[25] EN  
[54] **APPARATUS AND PROCESS FOR REMOVING DRILLING FLUID FROM DRILL CUTTINGS**  
[54] **APPAREIL ET PROCEDE POUR RETIRER LES FLUIDES DE FORAGE DES DEBLAIS DE FORAGE**  
[72] MCINTYRE, BARRY E., CA  
[73] Q'MAX SOLUTIONS INC., CA  
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[30] CA (2,262,192) 1999-02-17

[11] **2,299,572**  
[13] C

[51] **Int.Cl. 7H04Q 7/32**  
[25] EN  
[54] **PERSONAL COMMUNICATOR**  
[54] **COMMUNICATEUR PERSONNEL**  
[72] SALLAM, HUSSEIN, US  
[72] NG, RICHARD, US  
[72] SCHULTZ, ROBERT G., US  
[72] NEWMAN, EDWARD G., US  
[72] RONZANI, PETER A., US  
[73] XYBERNAUT CORPORATION, US  
[22] 2000-02-25  
[30] US (09/443024) 1999-11-18

[11] **2,299,651**  
[13] C

[51] **Int.Cl. 7B24B 21/04**  
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[54] **PONCEUSE A COURROIE COMPRENANT UNE BARRE DE COMMANDE**  
[72] TASIKAS, JAMES, CA  
[73] TASIKAS, JAMES, CA  
[22] 2000-02-25  
[30] US (09/294,674) 1999-04-19

[11] **2,300,345**  
[13] C

[51] **Int.Cl. 7H01L 27/00 7H01L 23/52**  
[25] EN  
[54] **SEMICONDUCTOR DEVICE CAPABLE OF REDUCING NOISE**  
[54] **DISPOSITIF A SEMI-CONDUCTEUR CAPABLE DE REDUIRE LE BRUIT**  
[72] SHIMAKAWA, KAZUHIRO, JP  
[72] CHIBA, OSAMU, JP  
[72] AZEKAWA, YOSHIFUMI, JP  
[72] MORIWAKI, SHOHEI, JP  
[73] MITSUBISHI DENKI KABUSHIKI KAISHA, JP  
[73] MITSUBISHI ELECTRIC SYSTEM LSI DESIGN CORPORATION, JP  
[22] 2000-03-09  
[30] JP (11-267089) 1999-09-21

[11] **2,302,761**  
[13] C

[51] **Int.Cl. 7B62D 65/00 7B60K 1/00 7B60K 1/04 7B60S 5/06**  
[25] EN  
[54] **MODULAR VEHICLE CONSTRUCTION AND TRANSPORTATION SYSTEM**  
[54] **CONSTRUCTION DE VEHICULE MODULAIRE ET SYSTEME DE TRANSPORT A VEHICULE MODULAIRE**  
[72] DOWER, GORDON EWBANK, US  
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[85] 2000-03-03  
[86] 1998-09-03 (PCT/CA1998/000829)  
[87] (WO1999/011508)  
[30] US (08/922,385) 1997-09-03

[11] **2,304,741**  
[13] C

[51] **Int.Cl. 6A61B 17/04**  
[25] EN  
[54] **STAPLE AND STAPLE APPLICATOR FOR USE IN FIXATION OF CATHETERS**  
[54] **AGRAFE ET APPLICATEUR D'AGRAFES POUR LA FIXATION DE CATHETERS**  
[72] ALLGEYER, DEAN OWEN, US  
[73] ALLGEYER, DEAN OWEN, US  
[85] 2000-03-23  
[86] 1997-10-23 (PCT/US1997/016440)  
[87] (WO1998/025508)

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[13] C  
[51] **Int.Cl. 6A21D 4/00 6A01F 25/00 6A23K 3/02**  
[25] EN  
[54] **SODIUM BISULFATE AS ACIDULANT IN FOODS**  
[54] **BISULFATE DE SODIUM UTILISE COMME ACIDULANT D'ALIMENTS**  
[72] KNUEVEN, CARL J., US  
[73] JONES-HAMILTON CO., US  
[85] 2000-04-05  
[86] 1999-07-28 (PCT/US1999/017031)  
[87] (WO2000/008942)  
[30] US (09/131,522) 1998-08-10

[11] **2,305,894**  
[13] C  
[51] **Int.Cl. 7H05K 9/00 7H05K 1/18 7H01L 23/552**  
[25] EN  
[54] **ELECTRONIC DEVICE STRUCTURE CAPABLE OF PREVENTING MALFUNCTION CAUSED BY ELECTROMAGNETIC WAVES COMING FROM THE OUTSIDE**  
[54] **STRUCTURE DE DISPOSITIF ELECTRONIQUE PERMETTANT DE PREVENIR LES DEFAUTS DE FONCTIONNEMENT CAUSES PAR LES ONDES ELECTROMAGNETIQUES EXTERIEURES**  
[72] TAMURA, KOETSU, JP  
[72] MATSUZAWA, HAJIME, JP  
[73] NEC CORPORATION, JP  
[22] 2000-04-17  
[30] JP (110583/1999) 1999-04-19

[11] **2,306,816**  
[13] C  
[51] **Int.Cl. 6A61K 7/48**  
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[54] **EMOLLIENT COMPOSITIONS**  
[54] **COMPOSITIONS EMOLLIENTES**  
[72] ARQUETTE, DEMETRIOS JAMES G., US  
[73] INTERNATIONAL FLORA TECHNOLOGIES LTD., US  
[85] 2000-04-17  
[86] 1998-10-15 (PCT/US1998/021744)  
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[30] US (08/953,132) 1997-10-17

[11] **2,307,864**  
[13] C  
[51] **Int.Cl. 6A61B 17/58**  
[25] EN  
[54] **BONE CONNECTING DEVICE AND METHOD OF MANUFACTURING THE SAME**  
[54] **DISPOSITIF DE FIXATION D'OS ET PROCEDE DE FABRICATION DUDIT DISPOSITIF**  
[72] ARIMA, TORU, JP  
[72] YAMAMOTO, TORU, JP  
[72] YOSHIOKA, TAKAHIRO, JP  
[72] NISHIYAMA, TAKASHI, JP  
[72] TAKEUCHI, HAJIME, JP  
[72] KISHIDA, YASUYUKI, JP  
[72] HATA, MORISHIGE, JP  
[72] NAKAMURA, SABURO, JP  
[73] GUNZE LIMITED, JP  
[85] 2000-04-27  
[86] 1998-10-29 (PCT/JP1998/004889)  
[87] (WO1999/021499)  
[30] JP (9/336257) 1997-10-29  
[30] JP (9/343580) 1997-11-06

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[13] C  
[51] **Int.Cl. 7F41B 5/12**  
[25] EN  
[54] **CROSSBOW HAVING A NO LET-OFF CAM**  
[54] **ARBALETE SANS CAME DE DETENTE**  
[72] GALLOPS, HENRY M., JR., US  
[73] BEAR ARCHERY, INC., US  
[22] 2000-05-10  
[30] US (09/490,043) 2000-01-24

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[51] **Int.Cl. 7B01B 1/08 7A47J 31/00**  
[25] EN  
[54] **HEATING POT FOR DECOCTING CHINESE HERBS**  
[54] **MARMITE POUR LA DECOCTION D'HERBES CHINOISES**  
[72] LEE, SANG-JUN, KR  
[73] LEE, SANG-JUN, KR  
[22] 2000-05-16  
[30] KR (00-6667) 2000-02-12  
[30] KR (00-6669) 2000-02-12  
[30] KR (00-6670) 2000-02-12

[11] **2,309,703**  
[13] C  
[51] **Int.Cl. 6E03D 9/02**  
[25] EN  
[54] **DISPENSING DEVICE**  
[54] **DISTRIBUTEUR**  
[72] THOMPSON, GUY R., US  
[73] S.C. JOHNSON & SON, INC., US  
[85] 2000-05-10  
[86] 1998-11-10 (PCT/US1998/023972)  
[87] (WO1999/024679)  
[30] GB (9723785.3) 1997-11-11

[11] **2,309,937**  
[13] C  
[51] **Int.Cl. 6A63F 1/00 6A63F 1/10**  
[25] EN  
[54] **COLLECTABLE CARD GAME**  
[54] **JEU DE CARTES COLLECTIONNABLE**  
[72] HENNESSEY, JOSEPH A., US  
[73] HENNESSEY, JOSEPH A., US  
[85] 2000-05-12  
[86] 1998-11-13 (PCT/US1998/024249)  
[87] (WO1999/025437)  
[30] US (08/970,807) 1997-11-14

[11] **2,310,483**  
[13] C  
[51] **Int.Cl. 7C08K 3/34 7E02D 31/00 7D06N 7/00 7B01J 20/12 7A61L 15/60**  
[25] EN  
[54] **REINFORCED NETWORKED POLYMER/CLAY ALLOY COMPOSITE**  
[54] **ALLIAGE COMPOSITE ARGILE-POLYMERE, RENFORCE ET EN RESEAU**  
[72] ZHOU, ZHIHONG, CA  
[72] PAYZANT, JOHN DONALD, CA  
[72] VAN WOUDEBERG, WALTER, US  
[73] ALBERTA RESEARCH COUNCIL, INC., CA  
[73] NILEX INC., CA  
[22] 2000-05-26  
[30] CA (2,272,828) 1999-05-26

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[11] **2,310,799**  
[13] C

[51] **Int.Cl. 7C07C 211/42 7C07C 249/02 7C07C 251/20 7C07C 209/52**  
[25] EN  
[54] **PROCESS FOR PREPARING SERTRALINE FROM CHIRAL TETRALONE**  
[54] **SYNTHESE DE LA SERTRALINE A PARTIR D'UNE TETRALONE CHIRALE**  
[72] QUALLICH, GEORGE JOSEPH, US  
[73] PFIZER PRODUCTS INC., US  
[22] 2000-06-07  
[30] US (60/138,340) 1999-06-09

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[11] **2,312,114**  
[13] C

[51] **Int.Cl. 7H04L 7/033 7H04L 12/56**  
[25] EN  
[54] **DEVICE FOR TIMING RECONSTRUCTION OF A DATA CHANNEL TRANSPORTED ON A PACKET NETWORK AND ITS PROCESS**  
[54] **DISPOSITIF DE RECONSTITUTION DE LA SYNCHRONISATION D'UN CANAL DE DONNEES TRANSPORTE SUR UN RESEAU A COMMUTATION DE PAQUETS ET PROCESSUS CONNEXE**  
[72] MOSCA, PAOLO, IT  
[72] DA DALT, NICOLA, AT  
[72] BONELLO, ROBERTO, IT  
[72] QUASSO, ROBERTO, IT  
[72] NERVO, GIACOLINO, IT  
[73] TELECOM ITALIA LAB S.P.A., IT  
[22] 2000-06-21  
[30] IT (TO99A 000534) 1999-06-22

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[11] **2,312,119**  
[13] C

[51] **Int.Cl. 7B65D 90/28**  
[25] EN  
[54] **CLARIFIER COVER**  
[54] **COUVERCLE DE CLARIFICATEUR**  
[72] DEGARIE, CLAUDE J., CA  
[73] DEGARIE, CLAUDE J., CA  
[22] 2000-06-21  
[30] CA (2,292,181) 1999-12-14

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[11] **2,313,914**  
[13] C

[51] **Int.Cl. 7H01C 7/10 7H01C 13/02 7H01C 7/12**  
[25] EN  
[54] **VOLTAGE NON-LINEAR RESISTOR UNIT AND ARRESTER UNIT**  
[54] **MODULE DE RESISTANCE NON LINEAIRE EN TENSION ET MODULE DECHARGEUR DE Foudre**  
[72] SHINDO, TAKAHIKO, JP  
[72] SHIMAGAMI, KEISUKE, JP  
[72] KAN, MASAHIRO, JP  
[72] HIRANO, YOSHIHIKO, JP  
[72] ANDOH, HIDEYASU, JP  
[72] UDAGAWA, TAKESHI, JP  
[72] NARITA, HIROYOSHI, JP  
[72] ITOH, YOSHIYASU, JP  
[72] HANAI, MASAHIRO, JP  
[72] EBINA, MASAHIKO, JP  
[72] TANIGUCHI, YASUHIKO, JP  
[72] SUZUKI, HIRONORI, JP  
[72] SHIMIZU, NOBUYUKI, JP  
[72] ISHIZAKI, YOSHIHIRO, JP  
[73] KABUSHIKI KAISHA TOSHIBA, JP  
[22] 2000-07-14  
[30] JP (201672/1999) 1999-07-15

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[11] **2,318,907**  
[13] C

[51] **Int.Cl. 6A61N 1/38**  
[25] EN  
[54] **SYSTEM FOR INDUCING TACHYCARDIA UTILIZING NEAR FIELD T-WAVE SENSING**  
[54] **SYSTEME INDUCTEUR DE TACHYCARDIE RECORANT A LA DETECTION DE L'ONDE T DE CHAMP PROCHE**  
[72] BEGEMANN, MALCOLM J.S., NL  
[72] DEN DULK, KAREL, NL  
[72] LEERSEN, HENNY M., NL  
[72] WESTENDORP, HENDRIKUS A., NL  
[72] THOMPSON, DAVID L., US  
[72] ZEIJLEMAKER, VOLKERT A., NL  
[73] VITATRON MEDICAL, B.V., NL  
[85] 2000-07-20  
[86] 1999-01-26 (PCT/EP1999/000519)  
[87] (WO1999/037362)  
[30] US (09/014,178) 1998-01-27  
[30] US (09/014,378) 1998-01-27

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[11] **2,319,090**  
[13] C

[51] **Int.Cl. 6A23L 1/05 6A23F 3/16 6A23F 5/24 6A23L 1/307**  
[25] EN  
[54] **BEVERAGES WITH IMPROVED TEXTURE AND FLAVOR IMPACT AT LOWER DOSAGE OF SOLIDS**  
[54] **BOISSON PRESENTANT UNE TEXTURE ET UN IMPACT AROMATIQUE AMELIORES POUR UN DOSAGE DE SOLIDES REDUIT**  
[72] VILLAGRAN, FRANCISCO VALENTINO, US  
[72] SARGENT, JEFFREY ALAN, US  
[72] SMALL, LEONARD EDWIN, US  
[72] BUTTERBAUGH, JEFFREY LEE, US  
[73] THE PROCTER & GAMBLE COMPANY, US  
[85] 2000-07-27  
[86] 1999-01-29 (PCT/US1999/001991)  
[87] (WO1999/038393)  
[30] US (09/016,255) 1998-01-30

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[11] **2,319,521**  
[13] C

[51] **Int.Cl. 6A61B 17/08**  
[25] EN  
[54] **PERCUTANEOUS CATHETER DIRECTED CONSTRICTING OCCLUSION DEVICE**  
[54] **DISPOSITIF D'OCCLUSION A CONSTRICTION, DIRIGE AU MOYEN D'UN CATHETER PERCUTANE**  
[72] AFREMOV, MICHAEL R., US  
[72] AMPLATZ, KURT, US  
[73] AGA MEDICAL CORPORATION, US  
[85] 2000-08-03  
[86] 1998-10-12 (PCT/US1998/021342)  
[87] (WO1999/039646)  
[30] US (09/019,620) 1998-02-06

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[11] **2,321,004**  
[13] C

[51] **Int.Cl. 6A61B 17/88 6B25B 17/00 6B25B 13/48**  
[25] EN  
[54] **MANUAL BONE ANCHOR PLACEMENT DEVICES**  
[54] **DISPOSITIFS MANUELS D'ANCRAGE DANS L'OS**  
[72] BEAUDET, STEVEN P., US  
[72] SATER, GHALEB A., US  
[72] GELLMAN, BARRY N., US  
[72] MORIN, ARMAND, US  
[73] BOSTON SCIENTIFIC LIMITED, BB  
[85] 2000-08-17  
[86] 1999-05-11 (PCT/US1999/010275)  
[87] (WO1999/058074)  
[30] US (60/085,113) 1998-05-12  
[30] US (60/125,207) 1999-03-18

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[11] **2,321,087**  
[13] C

[51] **Int.Cl. 6B25B 7/12**  
[25] EN  
[54] **LOCKING PLIERS WRENCH**  
[54] **PINCE-ETAU A BLOCAGE**  
[72] MARTINKA, CHARLES, US  
[72] WOOSTER, ROBERT D., JR., US  
[73] ADJUSTABLE CLAMP COMPANY, US  
[85] 2000-08-15  
[86] 1999-01-08 (PCT/US1999/000432)  
[87] (WO1999/037445)  
[30] US (09/010,346) 1998-01-22

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[11] **2,322,375**  
[13] C

[51] **Int.Cl. 7G01F 25/00 7G01F 1/58 7G01F 1/76**  
[25] EN  
[54] **METHOD OF COMPENSATING FOR ERRONEOUS READING IN A MASS FLOW METER**  
[54] **METHODE DE COMPENSATION DE RELEVES ERRONES POUR DEBITMETRES MASSIQUES**  
[72] YOUNG, GARY C., US  
[73] GYCO, INC., US  
[22] 2000-10-05  
[30] US (09/510,815) 2000-02-23

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[11] **2,322,825**  
[13] C

[51] **Int.Cl. 6A23L 2/60 6A23L 1/236**  
[25] EN  
[54] **BEVERAGE COMPRISING AN EFFECTIVE AMOUNT OF FLAVANOLS AS SWEETNESS CUTTING COMPOSITION**  
[54] **BOISSON COMPRENANT UNE DOSE EFFICACE DE FLAVANOLS EN TANT QUE COMPOSITION REDUISANT LE GOUT SUCRE**  
[72] FISCHER, CHRISTA MARIA, DE  
[72] OLBERT, INGEBOURG, DE  
[72] BLUMENSTEIN-STAHN, GABRIELE ANNEMARIE, DE  
[73] THE PROCTER & GAMBLE COMPANY, US  
[85] 2000-09-01  
[86] 1998-12-01 (PCT/US1998/025443)  
[87] (WO1999/027803)  
[30] EP (97121087.7) 1997-12-01

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[11] **2,324,170**  
[13] C

[51] **Int.Cl. 7G01N 27/90 7G01R 31/02**  
[25] EN  
[54] **EDDY CURRENT SENSOR ASSEMBLY**  
[54] **DETECTEUR DE COURANT DE FOUCAULT**  
[72] WEISCHEDEL, HERBERT R., US  
[73] NDT TECHNOLOGIES, INC., US  
[22] 2000-10-24

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[11] **2,324,820**  
[13] C

[51] **Int.Cl. 7B23K 37/04**  
[25] EN  
[54] **WORKPIECE SUPPORT APPARATUS**  
[54] **DISPOSITIF D'APPUI DE PIECE**  
[72] BABCHUK, CLAYTON DEAN, CA  
[73] BABCHUK, CLAYTON DEAN, CA  
[22] 2000-10-30

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[11] **2,325,141**  
[13] C

[51] **Int.Cl. 6H05K 9/00 6H05K 3/40**  
[25] EN  
[54] **SURFACE MOUNT TECHNOLOGY COMPATIBLE EMI GASKET AND A METHOD OF INSTALLING AN EMI GASKET ON A GROUND TRACE**  
[54] **JOINT ANTI-PARASITES COMPATIBLE AVEC LA TECHNOLOGIE DU MONTAGE EN SURFACE ET PROCEDE DE MONTAGE DE CE JOINT SUR UNE COUCHE SUPPORT**  
[72] KING, DAVID R., US  
[72] REIS, BRADLEY E., US  
[73] GORE ENTERPRISE HOLDINGS, INC., US  
[85] 2000-09-20  
[86] 1999-02-19 (PCT/US1999/003577)  
[87] (WO1999/051074)  
[30] US (09/052,080) 1998-03-31

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[11] **2,325,266**  
[13] C

[51] **Int.Cl. 7H04N 7/50**  
[25] EN  
[54] **IMPROVED METHOD OF COMPRESSING JPEG FILES USING A CONDITIONAL TRANSFORM**  
[54] **METHODE AMELIOREE POUR LA COMPRESSION DES FICHIERS JPEG EN UTILISANT UNE TRANSFORMEE CONDITIONNELLE**  
[72] DEQUEIROZ, RICARDO L., US  
[73] XEROX CORPORATION, US  
[22] 2000-11-08  
[30] US (09/458,855) 1999-12-10

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[11] **2,326,466**  
[13] C

[51] **Int.Cl. 7C01B 15/023 7C07C 50/18**  
[25] EN  
[54] **CHEMICAL PROCESS AND COMPOSITION**  
[54] **PROCESSUS CHIMIQUE ET COMPOSITION**  
[72] NYSTROM, MATS, SE  
[72] JARNVIK, CHRISTINA, SE  
[72] THOR, HANS, SE  
[72] SAARI, SEppo, SE  
[73] AKZO NOBEL N.V., NL  
[22] 2000-11-20  
[30] EP (99850175.3) 1999-11-22

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[11] **2,328,968**  
[13] C

[51] **Int.Cl. 7D21G 1/02**  
[25] EN  
[54] **SUPERCALENDER ROLL WITH COMPOSITE COVER**  
[54] **ROULEAU DE SUPERCALANDRE A COUVERTURE COMPOSITE**  
[72] JONES, LISA, US  
[73] STOWE WOODWARD COMPANY, US  
[85] 2000-10-16  
[86] 1999-05-21 (PCT/US1999/011249)  
[87] (WO2000/005451)  
[30] US (09/121,779) 1998-07-23

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[11] **2,331,194**  
[13] C

[51] **Int.Cl. 7H01S 5/125**  
[25] EN  
[54] **DISTRIBUTED FEEDBACK SURFACE PLASMON LASER**  
[54] **LASER DE DETECTION PAR RESONANCE PLASMONIQUE REPARTIE DE SURFACE**  
[72] CHO, ALFRED YI, US  
[72] CAPASSO, FEDERICO, US  
[72] HUTCHINSON, ALBERT LEE, US  
[72] GMACHL, CLAIRE F., US  
[72] SIVCO, DEBORAH LEE, US  
[72] TREDICUCCI, ALESSANDRO, US  
[73] LUCENT TECHNOLOGIES INC., US  
[22] 2001-01-17  
[30] US (09/512,566) 2000-02-24

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[11] **2,333,363**  
[13] C

[51] **Int.Cl. 6A61N 1/368**  
[25] EN  
[54] **METHOD ALLOWING CYCLIC PACING WITH AVERAGE RATE JUST ABOVE THE INTRINSIC RATE**  
[54] **PROCEDE PERMETTANT UN ENTRAINEMENT ELECTROSYSTOLIQUE CYCLIQUE A UN RYTHME MOYEN LEGEREMENT SUPERIEUR AU RYTHME INTRINSEQUE**  
[72] MOWER, MORTON M., US  
[73] MOWER, MORTON M., US  
[85] 2000-11-24  
[86] 1999-05-21 (PCT/US1999/011375)  
[87] (WO1999/061101)  
[30] US (09/084,571) 1998-05-26

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[11] **2,333,794**  
[13] C

[51] **Int.Cl. 7B01J 20/22 7C10L 3/10**  
[25] EN  
[54] **METHOD AND COMPOSITION FOR REMOVING SULFIDES FROM HYDROCARBON STREAMS**  
[54] **METHODE ET COMPOSITION POUR ELIMINER LES SULFURES DE CIRCUITS D'HYDROCARBURES**  
[72] TITLEY, CLIVE W., CA  
[72] WIENINGER, PETER H., CA  
[73] CANWELL ENVIRO-INDUSTRIES LTD., CA  
[22] 2001-02-01

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[11] **2,335,533**  
[13] C

[51] **Int.Cl. 7D06N 1/00 7D06N 3/18 7B32B 5/28**  
[25] EN  
[54] **FLEXIBLE MULTILAYER FLAT MATERIAL WITH A REINFORCED COVER LAYER**  
[54] **STRUCTURE PLANE MULTICOUCHE FLEXIBLE AVEC COUCHE DE PROTECTION RENFORCEE**  
[72] LOFFLER, KARIN ULRIKE, DE  
[72] REICHERT, SIEGFRIED, DE  
[72] V. OLNHAUSEN, HEINZ, DE  
[72] MAUK, HANSJORG, DE  
[72] JUNG, BERNHARD, DE  
[73] DLW AKTIENGESELLSCHAFT, DE  
[85] 2000-12-19  
[86] 1999-06-25 (PCT/EP1999/004419)  
[87] (WO2000/000692)  
[30] DE (198 28 676.7) 1998-06-26

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[11] **2,336,265**  
[13] C

[51] **Int.Cl. 7F16K 15/00**  
[25] EN  
[54] **BIDIRECTIONAL CHECK VALVE FOR HYDRAULIC SYSTEM**  
[54] **CLAPET BIDIRECTIONNEL POUR CIRCUIT HYDRAULIQUE**  
[72] HAMBLY, HUGH, CA  
[72] THORNTON, BRIAN, CA  
[73] SPILL CHECK, LTD., CA  
[22] 2001-03-01  
[30] US (60/202,745) 2000-05-08  
[30] US (09/612,773) 2000-07-10

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[11] **2,336,426**  
[13] C

[51] **Int.Cl. 7E04D 15/00 7B62B 1/00**  
[25] EN  
[54] **ATTACHMENT ASSEMBLY FOR USE ON FLAT ROOFS**  
[54] **ACCESSOIRE POUR TOITS PLATS**  
[72] PALMER, THEODORE R., CA  
[73] PALMER, THEODORE R., CA  
[22] 2001-02-13  
[30] US (09/520982) 2000-03-08

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[11] **2,337,402**  
[13] C

[51] **Int.Cl. 7C11D 17/00**  
[25] EN  
[54] **DETERGENT TABLET**  
[54] **PASTILLES DETERGENTES**  
[72] ESPOSITO, ANDREA, IT  
[72] DEL DUCA, VALERIO, IT  
[72] BINDER, CHRISTOPHER JAMES, GB  
[72] RICCI, PATRIZIO, BE  
[72] BENNIE, BRENDA FRANCES, GB  
[73] THE PROCTER & GAMBLE COMPANY, US  
[85] 2001-01-12  
[86] 1999-07-09 (PCT/US1999/015492)  
[87] (WO2000/004129)  
[30] GB (9815525.2) 1998-07-17  
[30] GB (9911218.7) 1999-05-17

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[11] **2,338,106**  
[13] C

[51] **Int.Cl. 7H01S 5/20**  
[25] EN  
[54] **HIGH POWER LATERALLY ANTIGUIDED SEMICONDUCTOR LIGHT SOURCE WITH REDUCED TRANSVERSE OPTICAL CONFINEMENT**  
[54] **SOURCE DE LUMIERE A BASE D'UN SEMI-CONDUCTEUR DE PUISSANCE ELEVEE ANTIGUIDEE LATERALEMENT ET PRESENTANT UN CONFINEMENT OPTIQUE TRANSVERSAL LIMITE**  
[72] PETRESCU-PRAHOVA, IULIAN BASARAB, RO  
[72] MAWST, LUKE J., US  
[72] BOTEZ, DAN, US  
[73] WISCONSIN ALUMNI RESEARCH FOUNDATION, US  
[85] 2001-01-18  
[86] 1999-07-14 (PCT/US1999/015892)  
[87] (WO2000/005792)  
[30] US (09/121,629) 1998-07-23

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[11] **2,341,059**  
[13] C

[51] **Int.Cl. 7B65G 1/00 7B65G 37/00 7B65G 47/52**  
[25] EN  
[54] **AUTOMATIC WAREHOUSE**  
[54] **ENTREPOT AUTOMATIQUE**  
[72] SANCHEZ GOMEZ, GINES, ES  
[73] SANCHEZ GOMEZ, GINES, ES  
[85] 2001-03-01  
[86] 1999-09-21 (PCT/ES1999/000298)  
[87] (WO2000/017072)  
[30] ES (P 9801989) 1998-09-21

[11] **2,341,942**  
[13] C

[51] **Int.Cl. 7F42B 1/00**  
[25] EN  
[54] **CONTINUOUS EXPLOSIVE CHARGE ASSEMBLY AND METHOD FOR LOADING SAME IN AN ELONGATED CAVITY**  
[54] **CHARGE D'EXPLOSIFS CONTINUE, ET METHODE DE CHARGEMENT DE LADITE CHARGE DANS UNE CAVITE ALLONGEE**  
[72] KEELING, PAUL S., US  
[72] LOADER, BRIAN F., US  
[73] UTEC CORPORATION LLC, US  
[22] 2001-03-22  
[30] US (09/638,131) 2000-08-11  
[30] US (60/192,771) 2000-03-28

[11] **2,345,819**  
[13] C

[51] **Int.Cl. 7B62D 55/08 7B62D 11/00**  
[25] EN  
[54] **A LONG TRACK MOUNTAIN SNOWMOBILE AND A TRACK THEREFOR**  
[54] **MOTONEIGE DE MONTAGNE A LONGUE CHENILLE, ET CHENILLE CONNEXE**  
[72] MORIN, DENIS, US  
[72] THOMPSON, MARK B., US  
[72] RUSKE, CHRIS, US  
[73] BOMBARDIER RECREATIONAL PRODUCTS INC., CA  
[85] 2001-04-30  
[86] 2000-02-11 (PCT/US2000/003401)  
[87] (WO2001/058744)  
[30] US (60/181,562) 2000-02-10

[11] **2,349,091**  
[13] C

[51] **Int.Cl. 7A43B 13/38**  
[25] EN  
[54] **FULL LENGTH INSOLE FOR OBESE PEOPLE**  
[54] **SEMELLE PLEINE LONGUEUR POUR PERSONNES OBESES**  
[72] CRANE, LAURA J., US  
[72] FOSHEE, DAVID, US  
[72] HOWLETT, HAROLD, US  
[72] XIA, BIN, US  
[73] SCHERING-PLOUGH HEALTHCARE PRODUCTS, INC., US  
[22] 2001-05-30  
[30] US (09/629,717) 2000-07-31

[11] **2,356,904**  
[13] C

[51] **Int.Cl. 7H04B 1/69**  
[25] EN  
[54] **A COMMUNICATION APPARATUS AND METHOD FOR A CDMA COMMUNICATION SYSTEM**  
[54] **DISPOSITIF DE COMMUNICATION ET PROCEDE CONCU POUR UN SYSTEME DE COMMUNICATION AMDC**  
[72] PARK, CHANG-SOO, KR  
[72] YANG, KYEONG-CHEOL, KR  
[72] NO, JONG-SEON, KR  
[72] KIM, JAE-YOEL, KR  
[72] KONG, JUN-JIN, KR  
[72] KANG, HEE-WON, KR  
[73] SAMSUNG ELECTRONICS CO., LTD., KR  
[85] 2001-06-28  
[86] 2000-01-21 (PCT/KR2000/000046)  
[87] (WO2000/044105)  
[30] KR (1999/2311) 1999-01-21

[11] **2,357,424**  
[13] C

[51] **Int.Cl. 7G11B 33/02**  
[25] EN  
[54] **DISC CASE**  
[54] **ETUI A DISQUE**  
[72] NISHIKATA, SEIICHI, JP  
[72] SHINDO, YOICHI, JP  
[73] NEXUS CO., JP  
[22] 2001-09-18  
[30] JP (2000-284071) 2000-09-19

[11] **2,358,850**  
[13] C

[51] **Int.Cl. 7B60R 16/04 7H01M 2/10**  
[25] EN  
[54] **BATTERY RETAINING SYSTEM FOR A CHILDREN'S RIDE-ON VEHICLE**  
[54] **SYSTEME DE RETENUE DE BATTERIE POUR VEHICULE JOUET POUR ENFANT**  
[72] DIGNITTI, DANIEL M., US  
[73] MATTEL, INC., US  
[85] 2001-07-17  
[86] 2000-02-04 (PCT/US2000/003054)  
[87] (WO2000/046073)  
[30] US (09/245,177) 1999-02-05

[11] **2,360,526**  
[13] C

[51] **Int.Cl. 7A47K 10/16**  
[25] EN  
[54] **PERFORATED SHEET OF MATERIAL**  
[54] **FEUILLES DE MATIERE PERFOREES**  
[72] PICCINI, ANDREA, IT  
[72] SIRIANNI, GIUSEPPE, IT  
[72] PUCCI, MAURIZIO, IT  
[73] THE PROCTER & GAMBLE COMPANY, US  
[85] 2001-07-11  
[86] 2000-01-20 (PCT/US2000/001388)  
[87] (WO2000/044270)  
[30] EP (99101890.4) 1999-01-29

[11] **2,361,315**  
[13] C

[51] **Int.Cl. 7G01V 3/30 7E21B 47/12**  
[25] EN  
[54] **MULTI-COIL ELECTROMAGNETIC FOCUSING METHODS AND APPARATUS TO REDUCE BOREHOLE ECCENTRICITY EFFECTS**  
[54] **METHODES ET APPAREIL DE MISE AU POINT ELECTROMAGNETIQUE PAR BOBINES MULTIPLES ET APPAREIL SERVANT A REDUIRE LES EFFETS D'EXCENTRICITE DES TROUS DE FORAGE**  
[72] OMERAGIC, DZEVAT, US  
[73] SCHLUMBERGER CANADA LIMITED, CA  
[22] 2001-11-07  
[30] US (09/741,593) 2000-12-19

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[11] **2,361,495**  
[13] C

[51] **Int.Cl. 7H04N 7/14 7H04N 5/445**  
[25] EN  
[54] **SYSTEM AND METHOD FOR PROVIDING NEWS, SPORTS, AND LOCAL GUIDE SERVICES THROUGH AN ELECTRONIC PROGRAM GUIDE**  
[54] **SYSTEME ET PROCEDE PERMETTANT DE FOURNIR DES SERVICES DANS LE DOMAINE DES NOUVELLES, DES SPORTS ET DE L'ACTUALITE LOCALE VIA UN GUIDE ELECTRONIQUE DE PROGRAMME**  
[72] DIAS, STEPHEN, US  
[72] WARD, THOMAS EDWARD III, US  
[72] HANCOCK, KENNETH S., US  
[72] MACRAE, DOUGLAS, US  
[72] RALLIS, JAMES A., US  
[72] SUTTON, JONATHON, US  
[72] WHITEHEAD, WENS DY, US  
[72] SCHOAFF, PETER CHRISTOPHER, US  
[73] INDEX SYSTEMS, INC., US  
[85] 2001-07-16  
[86] 1999-12-03 (PCT/US1999/028722)  
[87] (WO2000/033576)  
[30] US (60/110,946) 1998-12-04  
[30] US (60/111,333) 1998-12-07  
[30] US (60/111,944) 1998-12-11  
[30] US (60/139,704) 1999-06-17

[11] **2,363,789**  
[13] C

[51] **Int.Cl. 7G01V 3/30 7E21B 47/00**  
[25] EN  
[54] **METHOD AND APPARATUS FOR CANCELLATION OF BOREHOLE EFFECTS DUE TO A TILTED OR TRANSVERSE MAGNETIC DIPOLE**  
[54] **METHODE ET APPAREILLAGE POUR ELIMINER LES EFFETS DE Puits DE Forage Dus A Un Dipole Magnetique Incline Ou Transversal**  
[72] ROSTHAL, RICHARD A., US  
[72] BONNER, STEPHEN D., US  
[72] OMERAGIC, DZEVAT, US  
[72] HOMAN, DEAN M., US  
[72] BARBER, THOMAS D., US  
[72] CLARK, BRIAN, US  
[73] SCHLUMBERGER CANADA LIMITED, CA  
[22] 2001-11-27  
[30] US (09/737,891) 2000-12-15

[11] \* **2,367,300**  
[13] C

[51] **Int.Cl. 7G06F 3/02**  
[25] EN  
[54] **AN ACTUATOR DEVICE FOR A PERSONAL COMPUTER**  
[54] **DISPOSITIF D'ACTIONNEUR POUR ORDINATEUR PERSONNEL**  
[72] ZHAI, SHUMIN, US  
[72] SWANSEY, JOHN DAVID, US  
[72] PARTIN, PHILIP EDWARD, US  
[72] MCCLURG, GARY ROBERT, US  
[72] COLLINS, JOEL III, US  
[73] INTERNATIONAL BUSINESS MACHINES CORPORATION, US  
[85] 2001-09-07  
[86] 2000-03-16 (PCT/GB2000/000976)  
[87] (WO2000/058819)  
[30] US (09/282,331) 1999-03-31

[11] **2,377,809**  
[13] C

[51] **Int.Cl. 7B30B 9/14 7B30B 9/12**  
[25] EN  
[54] **SCREW PRESS**  
[54] **PRESSE A VIS**  
[72] DIONNE, HUGUES, CA  
[73] OPTIMUM FILTRATION INC., CA  
[85] 2001-12-20  
[86] 2001-01-05 (PCT/CA2001/000016)  
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[30] CA (2,298,235) 2000-02-08

[11] **2,381,031**  
[13] C

[51] **Int.Cl. 7A61K 31/565 7A61P 41/00**  
[25] EN  
[54] **LOCAL DELIVERY OF 17-BETA ESTRADIOL FOR PREVENTING VASCULAR INTIMA HYPERPLASIA AND FOR IMPROVING VASCULAR ENDOTHELIUM FUNCTION AFTER VASCULAR INJURY**  
[54] **ADMINISTRATION LOCALE DE 17-BETA ESTRADIOL POUR LA PREVENTION DE L'HYPERPLASIE INTIMALE VASCULAIRE ET LE RENFORCEMENT DES FONCTIONS DE L'ENDOTHELIUM VASCULAIRE APRES UNE LESION VASCULAIRE**  
[72] TANGUAY, JEAN-FRANCOIS, CA  
[72] CHANDRASEKAR, BASKARAN, IN  
[73] INSTITUT DE CARDIOLOGIE DE MONTREAL, CA  
[85] 2002-03-18  
[86] 2000-09-21 (PCT/CA2000/001132)  
[87] (WO2001/021157)  
[30] CA (2,282,982) 1999-09-21  
[30] CA (2,300,246) 2000-03-09

[11] **2,390,699**  
[13] C

[51] **Int.Cl. 7H04N 17/00**  
[25] FR  
[54] **SURVEILLANCE DE LA QUALITE DE SERVICE DANS UNE LIAISON DE TELEVISION NUMERIQUE**  
[54] **SURVEILLANCE OF THE QUALITY OF SERVICE IN A DIGITAL TELEVISION LINK**  
[72] RIBEIRO, JEAN, FR  
[72] ABRAHAM, DENIS, FR  
[72] MICHAUT, FABIEN, FR  
[73] TELEDIFFUSION DE FRANCE, FR  
[85] 2002-05-08  
[86] 2000-11-08 (PCT/FR2000/003108)  
[87] (WO2001/045427)  
[30] US (99/15926) 1999-12-13

[11] **2,391,047**  
[13] C

[51] **Int.Cl. 7E06B 7/23 7E06B 1/70**  
[25] EN  
[54] **REMOVABLE DRAFT EXCLUDER HAVING A FOLDABLE CLOSING END**  
[54] **BOURRELET AMOVIBLE POUR PORTE AVEC EXTREMITÉ Pliable**  
[72] HEROUX, STEVE, US  
[73] HEROUX, STEVE, US  
[22] 2002-06-20  
[30] US (09/886,015) 2001-06-22

[11] **2,392,466**  
[13] C

[51] **Int.Cl. 7A61M 15/06 7A61M 15/00**  
[25] EN  
[54] **INHALER FOR MULTIPLE DOSED ADMINISTRATION OF A PHARMACOLOGICAL DRY POWDER**  
[54] **INHALATEUR POUR ADMINISTRER DE MULTIPLE DOSES D'UNE Poudre Seche Pharmacologique**  
[72] KELLER, MANFRED, DE  
[72] EGGIMANN, THOMAS, CH  
[73] JAGO RESEARCH AG, CH  
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[25] EN

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IDENTITY MANAGEMENT**

[54] **GESTION D'IDENTITE  
HIERARCHIQUE REPARTIE**

[72] HARDT, DICK C., CA

[73] SXIP NETWORKS INC., CA

[22] 2003-06-06

[30] US (60/386,256) 2002-06-06

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[25] EN  
[54] POTENT T CELL MODULATING  
MOLECULES  
[54] MOLECULES EFFICACES DE  
MODULATION DE CELLULES T  
[72] LANZAVECCHIA, ANTONIO, CH  
[71] MICROMET AG, DE  
[22] 2002-10-11  
[41] 2004-04-11

[21] **2,405,805**  
[13] A1

[51] Int.Cl. 7G06M 3/12 7G06M 1/27  
[25] FR  
[54] COMPTEUR POUR CONTENANTS  
DE BREUVAGE RECYCLABLES VIDES  
CONSIGNES  
[54] COUNTER FOR RETURNABLE,  
EMPTY RECYCLABLE BEVERAGE  
CONTAINERS  
[72] ST-JEAN, BENOIT, CA  
[71] ST-JEAN, BENOIT, CA  
[22] 2002-10-11  
[41] 2004-04-11

[21] **2,405,894**  
[13] A1

[51] Int.Cl. 7G01V 3/00 7G01V 15/00  
7G08C 17/02  
[25] EN  
[54] COMPACT BLUETOOTH, 802, 11  
AND RS-232 ENABLED RFID READER  
[54] LECTEUR COMPACT  
D'ETIQUETTES RFID CONFORME  
AUX PROTOCOLES BLUETOOTH  
802.11 ET RS-232  
[72] UNKNOWN, ZZ  
[71] CATHEXIS INNOVATIONS INC., CA  
[22] 2002-10-16  
[41] 2004-04-16

[21] **2,404,830**  
[13] A1

[51] Int.Cl. 7B01J 29/00 7C01C 1/04  
7B01J 29/90  
[25] EN  
[54] METALLIC MESOPOROUS  
TRANSITION METAL OXIDE  
MOLECULAR SIEVES, ROOM  
TEMPERATURE ACTIVATION OF  
DINITROGEN AND AMMONIA  
PRODUCTION  
[54] TAMIS MOLECULAIRES  
MESAPOREUX METALLIQUES POUR  
OXYDE METALLIQUE DE  
TRANSITION UTILISES POUR LA  
PRODUCTION D'AMMONIAC PAR  
ACTIVATION DU DIAZOTE A LA  
TEMPERATURE AMBIANTE  
[72] ANTONELLI, DAVID M., CA  
[71] UNIVERSITY OF WINDSOR, CA  
[22] 2002-10-17  
[41] 2004-04-17

[21] **2,405,834**  
[13] A1

[51] Int.Cl. 7E04H 4/16  
[25] FR  
[54] TOUR-NET  
[54] TOUR-NET  
[72] LYONNAIS, ROLAND, CA  
[71] LYONNAIS, ROLAND, CA  
[22] 2002-10-11  
[41] 2004-04-11

[21] **2,405,964**  
[13] A1

[51] Int.Cl. 7B60R 1/04 7B60Q 1/44  
[25] EN  
[54] A COMBINATION INTERIOR  
REAR VIEW MIRROR MOUNTING  
ASSEMBLY WITH AN INTEGRATED  
BRAKE WARNING LIGHT  
[54] ENSEMBLE DE MONTAGE  
COMBINE DE RETROVISEUR  
INTERIEUR ET DE TEMOIN DE  
CIRCUIT DE FREINAGE INTEGRE  
[72] MACINNIS, PERRY, CA  
[71] MACINNIS, PERRY, CA  
[22] 2002-10-15  
[41] 2004-04-15

[21] **2,405,884**  
[13] A1

[51] Int.Cl. 7F04B 19/22  
[25] EN  
[54] REVERSIBLE PUMP FOR  
DRIVING HYDRAULIC CYLINDERS  
HAVING A SINGLE PISTON THAT  
SIMULTANEOUSLY RECIPROCATES  
AND ROTATES  
[54] POMPE BIDIRECTIONNELLE  
POUR L'ENTRAINEMENT DE VERINS  
HYDRAULIQUES A PISTON UNIQUE A  
MOUVEMENT ALTERNATIF ET  
ROTATIF SIMULTANES  
[72] WOOD, ROBERT A.R., CA  
[71] WOOD, ROBERT A.R., CA  
[22] 2002-10-16  
[41] 2004-04-16

[21] **2,406,108**  
[13] A1

[51] Int.Cl. 7H01R 33/00 7A47J 37/08  
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[25] EN  
[54] DIRECT-ELECT APPLIANCES  
[54] APPAREILS  
ELECTROMENAGERS A  
BRANCHEMENT DIRECT  
[72] REARDON, GARRY J., CA  
[71] REARDON, GARRY J., CA  
[22] 2002-10-17  
[41] 2004-04-17

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[13] A1  
[51] **Int.Cl. 7C11D 13/00 7C11D 17/00**  
[25] EN  
[54] **ECONOMIC SOAP MACHINE**  
[54] **MACHINE A SAVON**  
**ECONOMIQUE**  
[72] MOHAMMAD AMIN, ABBAS, CA  
[71] MOHAMMAD AMIN, ABBAS, CA  
[22] 2002-10-16  
[41] 2004-04-16

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[21] **2,406,239**  
[13] A1  
[51] **Int.Cl. 7F03B 17/00**  
[25] EN  
[54] **SCHENKELBERG SYSTEM**  
[54] **SYSTEME SCHENKELBERG**  
[72] SCHENKELBERG, ERNST, CA  
[71] SCHENKELBERG, ERNST, CA  
[22] 2002-10-16  
[41] 2004-04-16

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[21] **2,406,242**  
[13] A1  
[51] **Int.Cl. 7H04L 12/16 7G06F 17/20**  
[25] EN  
[54] **METHOD AND SYSTEM FOR**  
**AUTOMATED MATCHING OF TEXT**  
**BASED ELECTRONIC MESSAGES**  
[54] **METHODE ET SYSTEME DE MISE**  
**EN CORRESPONDANCE**  
**AUTOMATISEE POUR MESSAGES**  
**ELECTRONIQUES EN FORMAT**  
**TEXTE**  
[72] ENESCU, EMILIA E.E., CA  
[72] ENESCU MIRCEA GABRIEL E.M.G.,  
CA  
[71] ENESCU, EMILIA E.E., CA  
[71] ENESCU MIRCEA GABRIEL E.M.G.,  
CA  
[22] 2002-10-11  
[41] 2004-04-11

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[21] **2,406,305**  
[13] A1  
[51] **Int.Cl. 7E21B 43/08 7E21B 43/12**  
[25] EN  
[54] **VARIABLE SIZED SLOTTED PIPE**  
**INSERT FOR SCREENING OF**  
**SEDIMENTARY WASTE IN**  
**COLLECTION OF HYDROCARBONS**  
**AND WATER**  
[54] **TUYAU RAPPORTE A FENTES**  
**VARIABLES POUR LA RETENUE DE**  
**DEPOTS SEDIMENTAIRES DANS LA**  
**COLLECTE D'HYDROCARBURES ET**  
**D'EAU**  
[72] SWIST, JASON, CA  
[71] SWIST, JASON, CA  
[22] 2002-10-16  
[41] 2004-04-16

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[21] **2,406,306**  
[13] A1  
[51] **Int.Cl. 7E21B 33/13**  
[25] EN  
[54] **APPARATUS TO IMPROVE THE**  
**QUALITY OF WELL CEMENT,**  
**PREVENT GAS MIGRATION AND**  
**MEASURE WAITING-ON-CEMENT**  
**TIME**  
[54] **DISPOSITIF POUR AMELIORER**  
**LA QUALITE DU CIMENT DE PUIITS,**  
**EMPECHER LA MIGRATION DE GAZ**  
**ET MESURER LE TEMPS D'ATTENTE**  
**DU CIMENT**  
[72] HABERMAN, JOHN P., US  
[71] HABERMAN, JOHN P., US  
[22] 2002-10-16  
[41] 2004-04-16

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[21] **2,406,325**  
[13] A1  
[51] **Int.Cl. 7G10K 11/16**  
[25] EN  
[54] **THE USE OF ACOUSTIC**  
**CRYSTALS FOR THE INHIBITION OF**  
**SOUND TRANSMISSION**  
[54] **UTILISATION DE CRISTAUX**  
**ACOUSTIQUES POUR DESACTIVER**  
**LA TRANSMISSION DU SON**  
[72] BADDOUR, RALPH E., CA  
[71] BADDOUR, RALPH E., CA  
[22] 2002-10-11  
[41] 2004-04-11

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[21] **2,406,328**  
[13] A1  
[51] **Int.Cl. 7C22B 34/12 7C22B 5/00**  
**7C22B 5/08**  
[25] EN  
[54] **SEPARATING PLATINUM GROUP**  
**ELEMENTS FROM COMPLEX ACIDIC**  
**SOLUTIONS OF BASE METALS**  
[54] **SEPARATION D'ELEMENTS DU**  
**GROUPE DU PLATINE DE SOLUTIONS**  
**ACIDES COMPLEXES DE METAUX**  
**COMMUNS**  
[72] WELK, PAUL, CA  
[71] WELK, PAUL, CA  
[22] 2002-10-15  
[41] 2004-04-15

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[21] **2,406,361**  
[13] A1  
[51] **Int.Cl. 7E01F 15/06**  
[25] EN  
[54] **STEEL CABLE SUSPENDED**  
**ENERGY ABSORBING AND IMPACT**  
**ATTENUATING BARRIER SYSTEM**  
[54] **SYSTEME DE BARRIERE**  
**SUSPENDUE A CABLES D'ACIER A**  
**ABSORPTION D'ENERGIE ET A**  
**AMORTISSEMENT D'IMPACT**  
[72] PARISOTTO, LAWRENCE R., CA  
[71] PARISOTTO, LAWRENCE R., CA  
[22] 2002-10-15  
[41] 2004-04-15

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[21] **2,406,487**  
[13] A1  
[51] **Int.Cl. 7B66F 3/10**  
[25] EN  
[54] **MOTORCYCLE JACK**  
[54] **CRIC DE MOTOCYCLETTE**  
[72] KIELLAND, PETER JOHANN, CA  
[71] KIELLAND, PETER JOHANN, CA  
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[41] 2004-04-17

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[21] **2,407,429**  
[13] A1

[51] **Int.Cl. 7A61K 31/56 7A61P 31/12**  
[25] EN  
[54] **COMPOSITION FOR THE REGULATION OF THE HUMAN IMMUNE SYSTEM AND THE PREVENTION AND TREATMENT OF DISEASES THEREOF**  
[54] **COMPOSITION POUR LA REGULATION DU SYSTEME IMMUNITAIRE HUMAIN ET POUR LA PREVENTION ET LE TRAITEMENT DE MALADIES DE CE SYSTEME**  
[72] FERGUSSON, ALAN, CA  
[72] DAVIDSON, JOHN CHARLES, CA  
[71] FERGUSSON, ALAN, CA  
[71] DAVIDSON, JOHN CHARLES, CA  
[71] CELT CORPORATION, CA  
[22] 2002-10-16  
[41] 2004-04-16

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[21] **2,407,735**  
[13] A1

[51] **Int.Cl. 7H04L 12/16 7G06F 17/60**  
[25] EN  
[54] **METHOD OF ALLOCATING FUNDS AMONG A PLURALITY OF REQUESTS FOR GRANT**  
[54] **METHODE D'ALLOCATION DE FONDS POUR PLUSIEURS DEMANDES**  
[72] DESJARDINS, DANIEL, CA  
[72] GIRARD, LUCIE, CA  
[72] LOUKILI, ABDER, CA  
[72] BROUILLETTE, CLAUDE, CA  
[72] HAMDOUNA, ADIL, CA  
[72] CROCHETIERE, JACQUES, CA  
[71] FONDS DE LA RECHERCHE EN SANTE DU QUEBEC, CA  
[71] FONDS QUEBECOIS DE LA RECHERCHE SUR LA SOCIETE ET LA CULTURE, CA  
[71] FONDS QUEBECOIS DE LA RECHERCHE SUR LA NATURE ET LES TECHNOLOGIES, CA  
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[41] 2004-04-11

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[13] A1

[51] **Int.Cl. 7A61K 31/275**  
[25] EN  
[54] **INHIBITION OF VEGF SECRETION**  
[54] **INHIBITION DE LA SECRETION DE FACTEUR DE CROISSANCE VEGF**  
[72] ROUNOVA, OLGA B., CA  
[72] ROIFMAN, CHAIM M., CA  
[72] DEMIN, PETER M., CA  
[72] SIMON, AMOS J., CA  
[71] THE HOSPITAL FOR SICK CHILDREN, CA  
[22] 2002-10-11  
[41] 2004-04-11

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[21] **2,407,758**  
[13] A1

[51] **Int.Cl. 7A63B 69/00 7A63C 3/00**  
[25] EN  
[54] **EXERCISE APPARATUS FOR SIMULATING SKATING MOVEMENT**  
[54] **DISPOSITIF D'EXERCICE POUR LA SIMULATION DU MOUVEMENT DE PATINAGE**  
[72] NIZAMUDDIN, NASH, CA  
[71] NIZAMUDDIN, NASH, CA  
[22] 2002-10-11  
[41] 2004-04-11

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[21] **2,407,782**  
[13] A1

[51] **Int.Cl. 7A47F 5/00 7G09F 5/00**  
[25] EN  
[54] **DISPLAY SYSTEM**  
[54] **SYSTEME DE PRESENTATION**  
[72] VARDARO, ANTONIO, CA  
[72] VARDARO, ENZO, CA  
[71] ARTITALIA INC., CA  
[22] 2002-10-11  
[41] 2004-04-11

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[13] A1

[51] **Int.Cl. 7C12N 15/11 7C07H 21/02 7C07H 21/04 7C12N 15/10 7C12N 15/63 7C12Q 1/68**  
[25] EN  
[54] **TRAP-TAGGING: A NOVEL METHOD FOR THE IDENTIFICATION AND PURIFICATION OF RNA-PROTEIN COMPLEXES**  
[54] **MARQUAGE PAR LA METHODE TRAP : NOUVELLE METHODE D'IDENTIFICATION ET DE PURIFICATION DE COMPLEXES ARN-PROTEINE**  
[72] KRAUSE, HENRY M., CA  
[72] SIMMONDS, ANDREW J., CA  
[71] KRAUSE, HENRY M., CA  
[71] SIMMONDS, ANDREW J., CA  
[22] 2002-10-11  
[41] 2004-04-11

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[21] **2,407,828**  
[13] A1

[51] **Int.Cl. 7G01S 5/14**  
[25] EN  
[54] **IMPROVED SYSTEM AND METHOD FOR MEASURING DISTANCE BETWEEN TWO OBJECTS**  
[54] **SYSTEME ET METHODE AMELIORES DE MESURE DE LA DISTANCE ENTRE DEUX OBJETS**  
[72] BOMAN, BERTHO, US  
[71] BOMAN, BERTHO, US  
[22] 2002-10-11  
[41] 2004-04-11

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[21] **2,407,878**  
[13] A1

[51] **Int.Cl. 7E21C 45/00**  
[25] EN  
[54] **HYDROTHERMAL MINERAL EXTRACTION**  
[54] **EXTRACTION MINERALE HYDROTHERMALE**  
[72] FRASER, DANIEL, CA  
[71] THE UNIVERSITY OF MANITOBA, CA  
[22] 2002-10-11  
[41] 2004-04-11

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[13] A1  
[51] Int.Cl. 7B23B 51/00 7B23B 45/00  
[25] EN  
[54] DRILL MULTI TOOL  
[54] OUTIL MULTIPLE DE PERCEUSE  
[72] BAI, LI KUN, CA  
[71] BAI, LI KUN, CA  
[22] 2002-10-11  
[41] 2004-04-11

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[21] 2,407,969  
[13] A1  
[51] Int.Cl. 7F21V 8/00 7F21S 8/00 7A47G 33/04  
[25] EN  
[54] FIBER OPTIC BASED LIGHT ORNAMENT  
[54] ORNEMENT LUMINEUX A FIBRES OPTIQUES  
[72] PULEO, JOSEPH A., US  
[72] PULEO, SALVATORE J., SR., US  
[71] NATIONAL CHRISTMAS PRODUCTS, INC. D/B/A NATIONAL TREE COMPANY, US  
[22] 2002-10-11  
[41] 2004-04-11

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[21] 2,407,991  
[13] A1  
[51] Int.Cl. 7H04M 1/2745  
[25] EN  
[54] EXPANDABLE MULTILINE DIALING APPARATUS  
[54] APPAREIL EXTENSIBLE DE COMPOSITION MULTILIGNE  
[72] GILL, KEITH, CA  
[71] GILL, KEITH, CA  
[22] 2002-10-15  
[41] 2004-04-15

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[21] 2,408,012  
[13] A1  
[51] Int.Cl. 7G01N 33/10 7A01H 3/00 7G01N 15/00 7G01N 30/00 7A01H 1/04 7C08B 30/12 7C08B 30/20  
[25] EN  
[54] CORRELATING THE KINETICS OF BRANCHED POLYMER SYNTHESIS WITH A DESIRED CHARACTERISTIC OF THE POLYMER  
[54] CORRELATION DE LA CINETIQUE DE LA SYNTHESE DE POLYMERES RAMIFIES AVEC UNE CARACTERISTIQUE RECHERCHEE DE CE POLYMERE  
[72] CHIOU, HERBERT CLARK, AU  
[72] CASTRO, JEFFREY VICTOR, AU  
[72] FELLOWS, CHRISTOPHER MICHAEL, AU  
[72] FITZGERALD, MELISSA ANN, AU  
[72] MORELL, MATTHEW KENNEDY, AU  
[72] GILBERT, ROBERT GOULSTON, AU  
[71] THE MINISTER FOR AGRICULTURE, THE MINISTER FOR CORRECTIVE SERVICES FOR A ND ON BEHALF OF THE STATE OF NEW SOUTH WALES, AU  
[22] 2002-10-15  
[41] 2004-04-15

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[21] 2,408,023  
[13] A1  
[51] Int.Cl. 7A23L 1/236 7A23L 1/22 7A23L 2/60  
[25] EN  
[54] GLUCOSAMINE AS A FOOD AND BEVERAGE ADDITIVE  
[54] GLUCOSAMINE UTILISEE COMME ADDITIF POUR DES ALIMENTS OU DES BOISSONS  
[72] WASSENAAR, WILLEM, CA  
[71] PUREPHARM INC., CA  
[22] 2002-10-15  
[41] 2004-04-15

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[21] 2,408,043  
[13] A1  
[51] Int.Cl. 7G01D 5/26 7G02B 27/00  
[25] EN  
[54] OPTICAL SENSOR AND READOUT APPARATUS  
[54] CAPTEUR OPTIQUE ET APPAREIL DE LECTURE  
[72] OUELLETTE, FRANCOIS, CA  
[71] OUELLETTE, FRANCOIS, CA  
[22] 2002-10-11  
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[21] 2,408,044  
[13] A1  
[51] Int.Cl. 7A01K 1/03  
[25] EN  
[54] ANIMAL HABITAT  
[54] HABITAT ANIMAL  
[72] HASKINS, DAVID E., CA  
[71] HASKINS, DAVID E., CA  
[22] 2002-10-11  
[41] 2004-04-11

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[21] 2,408,063  
[13] A1  
[51] Int.Cl. 7C09D 145/00 7C09D 163/00 7C09D 165/00 7C09D 191/00 7C09D 139/04 7C09D 5/06  
[25] EN  
[54] COATING COMPOSITION FOR REJUVENATING GLOSS OF PAINTED SURFACES  
[54] COMPOSITION DE REVETEMENT POUR REDONNER DU BRILLANT A DES SURFACES PEINTES  
[72] ODLAND, MARILYN K., US  
[72] ODLAND, LYNN B., US  
[71] ODLAND, MARILYN K., US  
[71] ODLAND, LYNN B., US  
[22] 2002-10-15  
[41] 2004-04-15

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[21] 2,408,067  
[13] A1  
[51] Int.Cl. 7A47G 33/06 7A47G 33/04 7A47G 33/10  
[25] EN  
[54] CHRISTMAS TREE STRUCTURE  
[54] STRUCTURE D'ARBRE DE NOEL  
[72] CHANG, LI-JUN, XX  
[71] CHANG, LI-JUN, XX  
[22] 2002-10-15  
[41] 2004-04-15

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[21] 2,408,074  
[13] A1  
[51] Int.Cl. 7A63B 69/36  
[25] EN  
[54] VISUAL TEACHING AID FOR USE IN GOLF AND OTHER PHYSICAL ACTIVITIES  
[54] MATERIEL DIDACTIQUE VISUEL UTILISE POUR LE GOLF ET AUTRES ACTIVITES PHYSIQUES  
[72] EISENZIMMER, BARRY, CA  
[71] EISENZIMMER, BARRY, CA  
[22] 2002-10-15  
[41] 2004-04-15

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[21] **2,408,078**  
[13] A1

[51] **Int.Cl. 7G07D 7/00 7G07F 19/00 7G07D 7/02**  
[25] EN  
[54] **A SYSTEM AND METHOD FOR VERIFYING THE AUTHENTICITY OF A CHECK AND AUTHORIZING PAYMENT THEREOF**  
[54] **SYSTEME ET METHODE PERMETTANT DE VERIFIER L'AUTHENTICITE D'UN CHEQUE ET D'AUTORISER LE PAIEMENT DE CE CHEQUE**  
[72] PAGE, TERRI, US  
[71] PAGE, TERRI, US  
[22] 2002-10-15  
[41] 2004-04-15

[21] **2,408,108**  
[13] A1

[51] **Int.Cl. 7B41J 2/175**  
[25] EN  
[54] **PRINTING FLUID DELIVERY SYSTEM**  
[54] **MECANISME DE DISTRIBUTION DE LIQUIDE D'IMPRESSON**  
[72] PINARD, ADAM I., US  
[71] IRIS GRAPHICS, INC., US  
[22] 2002-10-15  
[41] 2004-04-15

[21] **2,408,111**  
[13] A1

[51] **Int.Cl. 7H01B 9/00 7H01B 7/00**  
[25] EN  
[54] **HIGH VOLTAGE CABLE**  
[54] **CABLE HAUTE TENSION**  
[72] BEAUCHAMP, MARK D., CA  
[71] HARBOUR INDUSTRIES LTD., CA  
[22] 2002-10-15  
[41] 2004-04-15

[21] **2,408,180**  
[13] A1

[51] **Int.Cl. 7G06K 11/06 7G06F 3/023**  
[25] EN  
[54] **A WEARABLE AND PORTABLE KEYBOARD OPERABLE WITH ONLY ONE HAND**  
[54] **CLAVIER CORPOREL ET PORTABLE POUVANT S'UTILISER AVEC UNE SEULE MAIN**  
[72] EXCIR, STEVEN, CA  
[71] EXCIR, STEVEN, CA  
[22] 2002-10-11  
[41] 2004-04-11

[21] **2,408,200**  
[13] A1

[51] **Int.Cl. 7H05F 3/00**  
[25] EN  
[54] **STATIC BONDING CLAMP WITH CONTINUITY INDICATORS**  
[54] **COLLIER DE SERRAGE STATIQUE A INDICATEURS DE CONTINUITE**  
[72] RICHTER, RAY C., CA  
[71] RICHTER, RAY C., CA  
[22] 2002-10-15  
[41] 2004-04-15

[21] **2,408,207**  
[13] A1

[51] **Int.Cl. 7C12N 15/55 7C07H 21/00 7A61K 48/00 7A61P 33/00 7A61P 35/00 7C12P 21/00 7A61P 31/12 7C12N 9/16 7A61K 38/17 7C07K 16/18 7A61K 38/46 7C12N 15/63 7C12Q 1/68 7A61K 31/7088**  
[25] FR  
[54] **PEPTIDES LIANT LA PROTEINE PHOSPHATASE 2A ET POLYNUCLEOTIDES LES CODANT**  
[54] **PEPTIDES BINDING PROTEIN PHOSPHATASE 2A AND POLYNUCLEOTIDES CODING THEM**  
[72] REBOLLO, ANGELITA, FR  
[72] CAYLA, XAVIER, FR  
[72] DESSAUGE, FREDERIC, FR  
[72] GARCIA, ALPHONSE, FR  
[71] INSTITUT PASTEUR, FR  
[22] 2002-10-16  
[41] 2004-04-16

[21] **2,408,211**  
[13] A1

[51] **Int.Cl. 7B42D 15/02 7A45C 1/00 7A45C 11/00**  
[25] FR  
[54] **CARTE D'AFFAIRES SOUS LE PRINCIPE D'UNE POCLETTE DANS LAQUELLE ON INSERE UN DEPLIANT**  
[54] **BUSINESS CARD DESIGNED AS A POUCH IN WHICH A FOLDER IS INSERTED**  
[72] PELLETIER, BRIGITTE, CA  
[71] INTEGRALE COMMUNICATION INC., CA  
[22] 2002-10-16  
[41] 2004-04-16

[21] **2,408,287**  
[13] A1

[51] **Int.Cl. 7C25C 3/22 7B01D 47/00 7B01D 29/11 7C25B 11/12 7B01D 53/78**  
[25] EN  
[54] **PROCESS FOR TREATING GASEOUS EMISSIONS GENERATED DURING PRODUCTION OF CARBON ANODES IN AN ALUMINUM PLANT**  
[54] **METHODE DE TRAITEMENT DES EMISSIONS GAZEUSES PRODUITES LORS DE LA FABRICATION D'ANODES DE CARBONE DANS UNE ALUMINERIE**  
[72] GRAVEL, JEAN J.O., CA  
[72] DROUIN, GUY, CA  
[71] BIOTHERMICA TECHNOLOGIES INC., CA  
[22] 2002-10-16  
[41] 2004-04-16

[21] **2,408,310**  
[13] A1

[51] **Int.Cl. 7F25C 3/00**  
[25] EN  
[54] **METHOD AND DEVICE FOR MAKING SNOW**  
[54] **METHODE ET MATERIEL DE FABRICATION DE NEIGE**  
[72] JERVAS, TROY, US  
[71] TOPGUN SNOW MAKING SYSTEMS INC., US  
[22] 2002-10-15  
[41] 2004-04-15

[21] **2,408,407**  
[13] A1

[51] **Int.Cl. 7A01M 7/00 7B60P 3/30**  
[25] EN  
[54] **SUSPENDED FLOATING SPRAYER BOOM**  
[54] **RAMPE DE PULVERISATEUR FLOTTANTE SUSPENDUE**  
[72] MCCREA, DAVID GARY, CA  
[72] MCCREA, THOMAS EDWARD, CA  
[71] MCCREA, DAVID GARY, CA  
[71] MCCREA, THOMAS EDWARD, CA  
[22] 2002-10-16  
[41] 2004-04-16



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[21] **2,408,414**  
[13] A1  
[51] **Int.Cl. 7G01B 11/24 7G01B 9/00 7G01B 11/00 7G01V 1/20**  
[25] EN  
[54] **COMPUTER INTERFACED VIDEO POSITIONING SYSTEM MODULE**  
[54] **MODULE DE SYSTEME DE POSITIONNEMENT VIDEO A INTERFACE INFORMATISEE**  
[72] HEARD, GARRY, CA  
[72] DESHARNAIS, FRANCINE, CA  
[72] DITTMAN, RICHARD, CA  
[71] HER MAJESTY IN RIGHT OF CANADA AS REPRESENTED BY THE MINISTER OF NATIONAL DEFENCE, CA  
[22] 2002-10-16  
[41] 2004-04-16

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[21] **2,408,415**  
[13] A1  
[51] **Int.Cl. 7G08C 23/04 7H02J 7/00**  
[25] EN  
[54] **RECHARGEABLE REMOTE CONTROL**  
[54] **TELECOMMANDE RECHARGEABLE**  
[72] PETTINATO, DANA M., US  
[71] PETTINATO, DANA M., US  
[22] 2002-10-16  
[41] 2004-04-16

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[21] **2,408,445**  
[13] A1  
[51] **Int.Cl. 7E04D 13/04**  
[25] EN  
[54] **OPEN GUTTER STRAINER**  
[54] **GRILLE DE GOUTTIERE**  
[72] NADDY, WILLIAM, US  
[71] NADDY, WILLIAM, US  
[22] 2002-10-17  
[41] 2004-04-17

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[21] **2,408,457**  
[13] A1  
[51] **Int.Cl. 7G06F 11/36**  
[25] EN  
[54] **COLLECTION AND DETECTION OF DIFFERENCES OF VALUES OF EXPRESSIONS/VARIABLES WHEN DEBUGGING A COMPUTER PROCESS**  
[54] **COLLECTE ET DETECTION DE DIFFERENCES ENTRE LES VALEURS D'EXPRESSIONS/VARIABLES DANS LE DEBOGAGE D'UN PROCESSUS INFORMATIQUE**  
[72] SANTOSUOSSO, JOHN MATTHEW, US  
[72] BERESTETSKY, VADIM, US  
[72] BATES, CARY LEE, US  
[71] IBM CANADA LIMITED-IBM CANADA LIMITEE, CA  
[22] 2002-10-17  
[41] 2004-04-17

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[21] **2,408,467**  
[13] A1  
[51] **Int.Cl. 7H04L 29/02 7H04L 12/24**  
[25] EN  
[54] **MULTI-PROTOCOL ROUTE POLICY SPECIFICATION LANGUAGE**  
[54] **LANGAGE DE SPECIFICATION DE POLITIQUE DE ROUTE MULTIPROTOCOLE**  
[72] PARENT, FLORENT, CA  
[72] BLACHET, MARC, CA  
[71] HEXAGO INC., CA  
[22] 2002-10-17  
[41] 2004-04-17

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[21] **2,408,474**  
[13] A1  
[51] **Int.Cl. 7G06F 17/30 7G06F 9/44**  
[25] EN  
[54] **APPARATUS AND METHOD FOR ENABLING EFFICIENT MULTI-PROTOCOL DATABASE TRANSACTION PROCESSING**  
[54] **APPAREIL ET METHODE POUR PERMETTRE LE TRAITEMENT EFFICACE DE TRANSACTIONS MULTIPROTOCOLES A PARTIR D'UNE BASE DE DONNEES**  
[72] BEGG, ROBERT A., CA  
[72] KIRTON, JO-ANNE, CA  
[72] VINCENT, TIMOTHY J., CA  
[71] IBM CANADA LIMITED-IBM CANADA LIMITEE, CA  
[22] 2002-10-17  
[41] 2004-04-17

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[21] **2,408,478**  
[13] A1  
[51] **Int.Cl. 7H04L 12/54 7H04L 12/16**  
[25] EN  
[54] **METHOD AND COMPUTER PRODUCT FOR IDENTIFYING AND SELECTING POTENTIAL E-MAIL REPLY RECIPIENTS FROM A MULTI-PARTY E-MAIL**  
[54] **METHODE ET PRODUIT INFORMATIQUE PERMETTANT D'IDENTIFIER ET DE SELECTIONNER LES DESTINATAIRES POSSIBLES D'UNE REPONSE A UN COURRIEL PARMIS LES MULTIPLES DESTINATAIRES D'UN COURRIEL D'ORIGINE**  
[72] PATRICK, KYLE N., CA  
[71] IBM CANADA LIMITED-IBM CANADA LIMITEE, CA  
[22] 2002-10-17  
[41] 2004-04-17

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[21] **2,408,481**  
[13] A1  
[51] **Int.Cl. 7G06F 12/02**  
[25] EN  
[54] **AUTONOMIC REALLOCATION OF MEMORY AMONG BUFFER POOLS**  
[54] **REAFFECTATION AUTONOME DE MEMOIRE ENTRE GROUPES DE TAMPONS**  
[72] ZILIO, DANIELE C., CA  
[72] LIGHTSTONE, SAM S., CA  
[72] STORM, ADAM J., CA  
[72] VALENTIN, GARY, CA  
[71] IBM CANADA LIMITED-IBM CANADA LIMITEE, CA  
[22] 2002-10-17  
[41] 2004-04-17

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[21] **2,408,483**  
[13] A1

[51] **Int.Cl. 7C09K 11/59 7B82B 3/00**  
[25] EN  
[54] **LASER CHEMICAL FABRICATION OF NANOSTRUCTURES**  
[54] **FABRICATION DE NANOSTRUCTURES PAR LASER ET PROCEDE CHIMIQUE**  
[72] NIKUMB, SUWAS KRISHNA, CA  
[72] HAN, YUJIE, CA  
[72] NAGATA, JOHN, CA  
[72] LUAN, BEN LI, CA  
[71] NIKUMB, SUWAS KRISHNA, CA  
[71] HAN, YUJIE, CA  
[71] NAGATA, JOHN, CA  
[71] LUAN, BEN LI, CA  
[22] 2002-10-17  
[41] 2004-04-17

[21] **2,408,577**  
[13] A1

[51] **Int.Cl. 7B66C 1/62 7F16L 1/00**  
[25] EN  
[54] **METHOD AND APPARATUS FOR POSITIONING PIPE JOINT CONNECTORS**  
[54] **METHODE ET APPAREIL DE POSITIONNEMENT DE RACCORDS DE TUYAUX**  
[72] ROBSON, JAMES D., CA  
[71] ROBSON, JAMES D., CA  
[22] 2002-10-17  
[41] 2004-04-17

[21] **2,408,757**  
[13] A1

[51] **Int.Cl. 7A61M 5/32 7A61M 5/50**  
[25] EN  
[54] **DISPOSABLE SYRINGE**  
[54] **SERINGUE JETABLE**  
[72] SHUE, PHILLIP, XX  
[72] SHUE, MING-JENG, XX  
[71] SHUE, PHILLIP, XX  
[71] SHUE, MING-JENG, XX  
[22] 2002-10-17  
[41] 2004-04-17

[21] **2,408,782**  
[13] A1

[51] **Int.Cl. 7A47D 15/00 7B62B 9/00 7B60N 2/26**  
[25] EN  
[54] **ADJUSTABLE CHILD SUPPORT STRUCTURE**  
[54] **STRUCTURE DE SUPPORT REGLABLE POUR ENFANT**  
[72] RHEIN, JOHN F., US  
[71] MATTEL, INC., US  
[22] 2002-10-17  
[41] 2004-04-15  
[30] US (10/270,072) 2002-10-15

[21] **2,408,808**  
[13] A1

[51] **Int.Cl. 7A47D 1/00 7A63G 13/00 7A47C 3/02 7A47D 13/10 7A47C 7/72**  
[25] EN  
[54] **ROCKER AND METHOD OF USING THE SAME**  
[54] **BERCEUSE ET METHODE D'UTILISATION CONNEXE**  
[72] MAXWELL, MATTHEW C., US  
[72] BASU, SCOTT K., US  
[72] HAYES, CHRISTOPHER J., US  
[71] MATTEL, INC., US  
[22] 2002-10-17  
[41] 2004-04-15  
[30] US (10/270,474) 2002-10-15

[21] **2,409,385**  
[13] A1

[51] **Int.Cl. 7H01R 13/44 7H01R 13/73**  
[25] EN  
[54] **SEPARABLE, FLEXIBLE ELECTRICAL CONNECTION ARRANGEMENT**  
[54] **SYSTEME DE CONNEXIONS ELECTRIQUES SEPARABLES ET SOUPLES**  
[72] POTTER, DAVID E., US  
[72] TERHUNE, DANIEL M., US  
[72] SWANSON, ROY T., US  
[71] S&C ELECTRIC COMPANY, US  
[22] 2002-10-23  
[41] 2004-04-11  
[30] US (60/418,083) 2002-10-11

[21] **2,409,429**  
[13] A1

[51] **Int.Cl. 7C08L 9/02 7B29C 45/00 7B29D 7/01 7C08L 25/12**  
[25] EN  
[54] **HYDROGENATED NITRILE RUBBER COMPOSITES WITH IMPROVED PROCESABILITY**  
[54] **COMPOSITES A BASE DE CAOUTCHOUC NITRILE HYDROGENE AYANT UNE MEILLEURE TRANSFORMABILITE**  
[72] PAZUR, RICHARD, CA  
[72] GAMLIN, JANET N., CA  
[72] GUERIN, FRED, CA  
[72] VON HELLENS, CARL WALTER, CA  
[72] FERRARI, LORENZO, CA  
[72] CAMPOMIZZI, EZIO, CA  
[71] BAYER INC., CA  
[22] 2002-10-17  
[41] 2004-04-17

[21] **2,409,434**  
[13] A1

[51] **Int.Cl. 7C08L 9/02 7B29C 45/00 7B29C 47/00 7B29D 7/01 7B29C 45/02 7C08F 236/12 7C08L 25/12 7C08L 33/20 7C08L 33/22**  
[25] EN  
[54] **POLYMER BLENDS COMPRISING LOW MOLECULAR WEIGHT NITRILE RUBBER**  
[54] **MELANGES DE POLYMERES COMPORTANT DU CAOUTCHOUC NITRILE DE FAIBLE POIDS MOLECULAIRE**  
[72] GUERIN, FREDERIC, CA  
[72] ONG, CHRISTOPHER M., CA  
[71] BAYER INC., CA  
[22] 2002-10-17  
[41] 2004-04-17

[21] **2,409,436**  
[13] A1

[51] **Int.Cl. 7C08L 9/02 7C08F 236/12**  
[25] EN  
[54] **POLYMER COMPOSITES COMPRISING LOW MOLECULAR WEIGHT NITRILE RUBBER**  
[54] **COMPOSITES POLYMERES COMPORTANT DU CAOUTCHOUC NITRILE DE FAIBLE POIDS MOLECULAIRE**  
[72] GUERIN, FREDERIC, CA  
[71] BAYER INC., CA  
[22] 2002-10-17  
[41] 2004-04-17

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[21] **2,410,113**  
[13] A1  
[51] **Int.Cl. 7A47J 47/06**  
[25] EN  
[54] **COFFEE FILTER WITH AN ERGONOMIC HANDLE**  
[54] **FILTRE A CAFE A POIGNEE ERGONOMIQUE**  
[72] JOHNSON, JONAS, CA  
[71] JOHNSON, JONAS, CA  
[22] 2002-10-11  
[41] 2004-04-11

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[21] **2,410,992**  
[13] A1  
[51] **Int.Cl. 7H05B 1/00 7E04B 1/94**  
[25] EN  
[54] **CAULKING WARMER**  
[54] **RECHAUFFEUR POUR PRODUIT DE CALFEUTRAGE**  
[72] JOHNSON, RONALD W., US  
[71] UNITED SUBCONTRACTORS, INC., US  
[22] 2002-11-04  
[41] 2004-04-17  
[30] US (10/274,026) 2002-10-17

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[21] **2,412,157**  
[13] A1  
[51] **Int.Cl. 7E06B 9/322 7E06B 9/68**  
[25] EN  
[54] **APPARATUS AND METHOD FOR CONTROLLING BLIND**  
[54] **DISPOSITIF ET METHODE DE COMMANDE DE STORE**  
[72] NIEN, MING, XX  
[71] NIEN MADE ENTERPRISE CO., LTD., XX  
[22] 2002-11-19  
[41] 2004-04-11  
[30] TW (91123868) 2002-10-11

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[21] **2,412,305**  
[13] A1  
[51] **Int.Cl. 7E01B 31/26**  
[25] EN  
[54] **RIDING RAIL TIE PLUGGING APPARATUS**  
[54] **EQUIPEMENT MOBILE DE BOULONNAGE DE TRAVERSES DE CHEMIN DE FER**  
[72] PETERSON, LEARY, US  
[72] NOLL, DONALD CHRISTOPHER, US  
[72] WEBER, ROBERT M., US  
[72] JOHNSEN, DAVID SEAN, US  
[71] NORDCO INC., US  
[22] 2002-11-21  
[41] 2004-04-11  
[30] US (10/269,214) 2002-10-11

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[21] **2,413,215**  
[13] A1  
[51] **Int.Cl. 7A47L 25/00 7A46B 13/02**  
[25] EN  
[54] **HAND-HELD, BATTERY POWERED CLEANING TOOL WITH STAND**  
[54] **OUTIL MANUEL DE NETTOYAGE A PILES AVEC SUPPORT**  
[72] SPIRK, JOHN W., US  
[72] NOTTINGHAM, JOHN R., US  
[72] GALL, DOUGLAS A., US  
[72] TAPPER, JAY, US  
[72] OSHER, JOHN, US  
[72] BLAUSTEIN, LAWRENCE A., US  
[72] BROWN, PATRICK W., US  
[71] SAYBROOK PRODUCTS, US  
[22] 2002-11-29  
[41] 2004-04-17  
[30] US (10/273,076) 2002-10-17

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[21] **2,414,205**  
[13] A1  
[51] **Int.Cl. 7G07D 7/20 7G06K 9/68**  
[25] EN  
[54] **SYSTEM AND METHOD FOR DETECTING CHEQUE FRAUD**  
[54] **SYSTEME ET METHODE DE DETECTION DES CHEQUES CONTREFAITS**  
[72] DOUGLAS, DONALD J., CA  
[72] LEVESQUE, MARCEL, CA  
[71] ELECTRONIC IMAGING SYSTEMS CORPORATION, CA  
[22] 2002-12-05  
[41] 2004-04-15  
[30] US (60/418,161) 2002-10-15

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[21] **2,414,827**  
[13] A1  
[51] **Int.Cl. 7A01K 15/02**  
[25] EN  
[54] **BREAK-AWAY TIRE**  
[54] **PNEU DETACHABLE**  
[72] DURUISSEAU, NOEL GILLES JOSEPH, CA  
[71] DURUISSEAU, NOEL GILLES JOSEPH, CA  
[22] 2003-01-06  
[41] 2004-04-16

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[21] **2,415,067**  
[13] A1  
[51] **Int.Cl. 7G01B 5/12 7F16L 55/28**  
[25] EN  
[54] **A PIG FOR DETECTING AN OBSTRUCTION IN A PIPELINE**  
[54] **RACLEUR DE DETECTION D'OBSTRUCTIONS DANS UNE CANALISATION**  
[72] SAVARD, DONALD D., CA  
[71] SAVARD, DONALD D., CA  
[22] 2002-12-23  
[41] 2004-04-11  
[30] US (10/269,520) 2002-10-11

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[21] **2,415,194**  
[13] A1  
[51] **Int.Cl. 7B26F 1/02 7B29C 39/04**  
[25] EN  
[54] **METHOD, APPARATUS AND ACTUATABLE PERFORATOR FOR CREATING APERTURES IN PIPE AND PIPE PRODUCED THEREBY**  
[54] **METHODE, DISPOSITIF ET PERFORATEUR A COMMANDE POUR LA REALISATION D'OUVERTURES DANS DES CONDUITS ET CONDUITS AINSI FABRIQUES**  
[72] PRESBY, DAVID W., US  
[71] PRESBY, DAVID W., US  
[22] 2002-12-27  
[41] 2004-04-11  
[30] US (10/269,495) 2002-10-11

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[21] **2,415,420**  
[13] A1

[51] **Int.Cl. 7A46B 13/02**  
[25] EN  
[54] **VIBRATORY ELECTRIC TOOTHBRUSH**  
[54] **BROSSE A DENTS ELECTRIQUE VIBRANTE**  
[72] WENG, SHIXING, CA  
[71] WENG, SHIXING, CA  
[22] 2003-01-08  
[41] 2004-04-15  
[30] US (10/270425) 2002-10-15

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[21] **2,415,513**  
[13] A1

[51] **Int.Cl. 7A47F 7/16 7A47B 49/00**  
[25] EN  
[54] **RUG DISPLAY SYSTEM**  
[54] **SYSTEME DE PRESENTATION DE TAPIS**  
[72] KIN, CHRISTOPHER A., US  
[72] KIN, HENRY R., US  
[71] KIN PRODUCTS INC., US  
[22] 2002-12-30  
[41] 2004-04-11  
[30] US (10/269,585) 2002-10-11

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[21] **2,416,105**  
[13] A1

[51] **Int.Cl. 7A45C 11/20 7A45F 3/00 7F25D 3/08 7B65D 81/38**  
[25] EN  
[54] **SOFT-SIDED COOLER WITH QUICK ACCESS OPENING**  
[54] **GLACIERE A FLANCS SOUPLES A OUVERTURE D'ACCES RAPIDE**  
[72] MCDONALD, HUGH J., CA  
[71] THERMOS L.L.C., US  
[22] 2003-01-13  
[41] 2004-04-16  
[30] US (10/271,464) 2002-10-16

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[21] **2,416,217**  
[13] A1

[51] **Int.Cl. 7E04G 21/04**  
[25] EN  
[54] **TAPERED BOOM HOSE**  
[54] **TUYAU CONIQUE DE COULAGE DU BETON**  
[72] LEHNHARDT, GARY D., US  
[72] ALTAMIRANO, ROLANDO, US  
[71] CONSTRUCTION FORMS, INC., US  
[22] 2003-01-13  
[41] 2004-04-15  
[30] US (10/271,958) 2002-10-15

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[21] **2,417,768**  
[13] A1

[51] **Int.Cl. 7F24C 15/10**  
[25] EN  
[54] **COOKTOP GRATE WITH FLAME CLEARANCE**  
[54] **GRILLE DE SURFACE DE CUISSON A DEGAGEMENT DE LA FLAMME**  
[72] CADIMA, PAUL BRYAN, US  
[71] GENERAL ELECTRIC COMPANY, US  
[22] 2003-01-30  
[41] 2004-04-11  
[30] US (10/065,394) 2002-10-11

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[21] **2,417,772**  
[13] A1

[51] **Int.Cl. 7F24C 3/12 7F16K 35/00**  
[25] EN  
[54] **MOTORIZED GAS LOCKOUT VALVE FOR GAS RANGE**  
[54] **ROBINET D'ARRET DE GAZ MOTORISE POUR CUISINIERE A GAZ**  
[72] STEURER, BRIAN M., US  
[71] GENERAL ELECTRIC COMPANY, US  
[22] 2003-01-30  
[41] 2004-04-11  
[30] US (10/065,395) 2002-10-11

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[21] **2,421,458**  
[13] A1

[51] **Int.Cl. 7E04B 1/88 7E04B 1/62**  
[25] EN  
[54] **NON-WOVEN SHEET MATERIAL FOR BUILDING CONSTRUCTION**  
[54] **MATERIAU NON TISSE EN FEUILLE POUR LA CONSTRUCTION DE BATIMENTS**  
[72] THEORET, RICHARD, CA  
[72] POIRIER, ALAIN, CA  
[71] THEORET, RICHARD, CA  
[71] POIRIER, ALAIN, CA  
[22] 2003-03-10  
[41] 2004-04-16

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[21] **2,416,217**  
[13] A1

[51] **Int.Cl. 7E04G 21/04**  
[25] EN  
[54] **TAPERED BOOM HOSE**  
[54] **TUYAU CONIQUE DE COULAGE DU BETON**  
[72] LEHNHARDT, GARY D., US  
[72] ALTAMIRANO, ROLANDO, US  
[71] CONSTRUCTION FORMS, INC., US  
[22] 2003-01-13  
[41] 2004-04-15  
[30] US (10/271,958) 2002-10-15

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[21] **2,423,522**  
[13] A1

[51] **Int.Cl. 7A01C 7/16**  
[25] EN  
[54] **INTERNAL TANK AUGERS FOR AIR SEEDER HOPPERS**  
[54] **VIS SANS FIN DE RESERVOIR INTERIEUR POUR TREMIES DE SEMOIR PNEUMATIQUE**  
[72] MEMORY, RUSSELL JAMES, CA  
[71] MEMORY, RUSSELL JAMES, CA  
[22] 2003-03-26  
[41] 2004-04-15  
[30] US (10/270,457) 2002-10-15

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[21] **2,424,374**  
[13] A1

[51] **Int.Cl. 7D21F 1/54**  
[25] EN  
[54] **APPARATUS FOR A PAPER-MAKING INSTALLATION HAVING AT LEAST ONE WIRE**  
[54] **DISPOSITIF POUR INSTALLATION DE FABRICATION DU PAPIER COMPORTANT AU MOINS UN FIL**  
[72] BARTELMUSS, HEINZ, AT  
[72] BARTELMUSS, KLAUS, AT  
[71] BARTELMUSS, HEINZ, AT  
[71] BARTELMUSS, KLAUS, AT  
[22] 2003-04-02  
[41] 2004-04-17  
[30] AT (A 1582/2002) 2002-10-17

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[21] **2,425,477**  
[13] A1

[51] **Int.Cl. 7B65D 41/00 7A47G 23/00**  
[25] EN  
[54] **COLOR CODED BEVERAGE CAP COLLECTION WITH PERMANENT PASSIVE INDICIA INDICATING BEVERAGE BOTTLE USER IDENTITIES**  
[54] **ENSEMBLE DE BOUCHONS DE BOUTEILLE A BOISSON CHROMOCODES AVEC MARQUE PERMANENTE IDENTIFIANT L'UTILISATEUR DE LA BOUTEILLE**  
[72] MORAN, MARGARET, US  
[71] MORAN, MARGARET, US  
[22] 2003-04-14  
[41] 2004-04-15  
[30] US (60/418,800) 2002-10-15  
[30] US (10/323,555) 2002-12-19

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[21] **2,427,123**  
[13] A1  
[51] **Int.Cl. 7A47D 13/02 7A47D 9/00  
7A47D 13/00**  
[25] EN  
[54] **INFANT SUPPORT STRUCTURE  
AND METHOD OF USING THE SAME**  
[54] **STRUCTURE DE SUPPORT POUR  
BEBE ET METHODE D'UTILISATION  
CONNEXE**  
[72] VAN HUYSTEE, MAARTEN, US  
[72] BAPST, DAVID M., US  
[72] CANNA, JOHN S., US  
[71] MATTEL, INC., US  
[22] 2003-04-29  
[41] 2004-04-11  
[30] US (10/268,911) 2002-10-11

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[21] **2,427,424**  
[13] A1  
[51] **Int.Cl. 7B60R 21/34 7G09F 13/04  
7B60Q 1/26**  
[25] EN  
[54] **FLUID ACTUATOR ROTOR FOR  
HINGED VEHICLE SAFETY DEVICES**  
[54] **VERIN HYDRAULIQUE A ROTOR  
POUR DISPOSITIFS DE SECURITE A  
CHARNIERES MONTES SUR  
VEHICULE**  
[72] IMINSKI, RICHARD J., US  
[72] BERNARD, EDWARD, CA  
[72] WOLF, KEVIN L., US  
[71] TRANSPEC, INC., US  
[22] 2003-05-01  
[41] 2004-04-17  
[30] US (10/273,248) 2002-10-17

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[21] **2,428,718**  
[13] A1  
[51] **Int.Cl. 7B05B 7/24**  
[25] EN  
[54] **ANTISLIP MATERIAL EJECTOR**  
[54] **EJECTEUR DE PRODUIT  
ANTIDERAPANT**  
[72] GUSHIMA, KAZUYA, JP  
[72] HONDA, KOSUKE, JP  
[72] OHNO, KAORU, JP  
[71] RAILWAY TECHNICAL RESEARCH  
INSTITUTE, JP  
[71] TESS CO., LTD., JP  
[22] 2003-05-13  
[41] 2004-04-11  
[30] JP (2002-298598) 2002-10-11

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[21] **2,432,166**  
[13] A1  
[51] **Int.Cl. 7A01C 7/06 7A01B 71/00  
7A01C 7/20**  
[25] EN  
[54] **APPARATUS AND METHOD FOR  
OBTAINING CONTINUOUS SPEED  
RATIOS IN A SEEDING OR  
FERTILIZING MACHINE**  
[54] **APPAREIL ET METHODE  
PERMETTANT D'OBTENIR DES  
RAPPORTS DE VITESSE CONSTANTS  
D'UNE SEMEUSE OU D'UNE MACHINE  
D'EPANDAGE D'ENGRAIS**  
[72] MOSZORO, ANTONIO ROMANO, AR  
[71] MOSZORO, ANTONIO ROMANO, AR  
[22] 2003-06-09  
[41] 2004-04-16

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[21] **2,432,687**  
[13] A1  
[51] **Int.Cl. 7F01D 5/18**  
[25] EN  
[54] **GAS TURBINE**  
[54] **TURBINE A GAZ**  
[72] SOECHTING, FRIEDRICH, US  
[72] SHIOZAKI, SHIGEHIRO, JP  
[72] TOMITA, YASUOKI, JP  
[71] MITSUBISHI HEAVY INDUSTRIES,  
LTD., JP  
[22] 2003-06-18  
[41] 2004-04-16  
[30] US (10/270,639) 2002-10-16

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[21] **2,432,746**  
[13] A1  
[51] **Int.Cl. 7G06F 17/60 7F02C 7/00  
7G01M 13/00 7G01M 15/00 7G06F 17/40**  
[25] EN  
[54] **A METHOD FOR MANAGING  
LIFESPANS OF HIGH TEMPERATURE  
GAS TURBINE COMPONENTS AND ITS  
IMPLEMENTATION THROUGH  
COMPUTER PROGRAM**  
[54] **METHODE DE GESTION DE LA  
DUREE DE VIE DE COMPOSANTS DE  
TURBINE A GAZ A HAUTE  
TEMPERATURE ET SA MISE EN  
OEUVRE AU MOYEN D'UN  
PROGRAMME D'ORDINATEUR**  
[72] MASADA, JUNICHIRO, US  
[72] SOECHTING, FRIEDRICH, US  
[72] LEE, JUN-HEE, US  
[72] TOMITA, YASUOKI, JP  
[72] KALLIANPUR, VINOD, US  
[72] KUWABARA, MASAMITSU, US  
[71] MITSUBISHI HEAVY INDUSTRIES,  
LTD., JP  
[22] 2003-06-18  
[41] 2004-04-11  
[30] US (10/268,957) 2002-10-11

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[21] **2,434,333**  
[13] A1  
[51] **Int.Cl. 7F16K 5/06 7F16K 5/04 7F16K  
5/08 7F16K 5/10 7F16K 5/16 7F16K 5/18**  
[25] EN  
[54] **ROTATABLE SEAL FOR BALL  
VALVE**  
[54] **JOINT D'ETANCHEITE  
TOURNANT POUR ROBINET A  
TOURNANT SPHERIQUE**  
[72] GILLEN, MARK E, US  
[71] BANJO CORPORATION, US  
[22] 2003-07-03  
[41] 2004-04-15  
[30] US (10/272,192) 2002-10-15

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**11 avril 2004 - 17 avril 2004**

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[21] **2,435,726**  
[13] A1

[51] **Int.Cl. 7H04B 10/00 7H04B 10/08 7H04B 10/20**  
[25] EN  
[54] **METHOD AND SYSTEM FOR POWERING UP AN OPTICAL NETWORK**  
[54] **METHODE ET SYSTEME DE MISE SOUS TENSION D'UN RESEAU OPTIQUE**  
[72] BRAUN, ALLEN JACOB, CA  
[72] MCCLOSKEY, MICHAEL JOSEPH, CA  
[72] NG, EDDIE KAI HO, CA  
[71] TROPIC NETWORKS INC., CA  
[22] 2003-07-18  
[41] 2004-04-15  
[30] US (60/418,233) 2002-10-15  
[30] US (60/430,970) 2002-12-05

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[21] **2,436,062**  
[13] A1

[51] **Int.Cl. 7F16B 2/20**  
[25] EN  
[54] **ATTACHMENT CLIP**  
[54] **AGRAFE DE FIXATION**  
[72] ARNOLD, DENNIS L., US  
[72] ROBERTS, DEREK, US  
[71] INTIER AUTOMOTIVE INC., CA  
[22] 2003-07-25  
[41] 2004-04-17  
[30] US (10/272,924) 2002-10-17

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[21] **2,436,893**  
[13] A1

[51] **Int.Cl. 7B29C 67/04 7C09D 177/00**  
[25] EN  
[54] **LASER SINTERING POWDER WITH IMPROVED RECYCLING PROPERTIES, PROCESS FOR ITS PRODUCTION AND USE OF THE LASER SINTERING POWDER**  
[54] **POUDRE DE FRITTAGE LASER A PROPRIETES DE RECYCLAGE AMELIOREES, PROCEDE DE PRODUCTION ET UTILISATION DE LA POUDRE DE FRITTAGE LASER**  
[72] CHRISTOPH, WOLFGANG, DE  
[72] GREBE, MAIK, DE  
[72] BAUMANN, FRANZ-ERICH, DE  
[72] MONSHEIMER, SYLVIA, DE  
[72] SCHIFFER, THOMAS, DE  
[72] SCHOLTEN, HEINZ, DE  
[71] DEGUSSA AKTIENGESELLSCHAFT, DE  
[22] 2003-08-08  
[41] 2004-04-17  
[30] DE (102 48 407.4) 2002-10-17  
[30] DE (103 30 590.4) 2003-07-07

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[21] **2,437,875**  
[13] A1

[51] **Int.Cl. 7G06F 17/60 7G07D 7/00**  
[25] EN  
[54] **SYSTEM AND METHOD FOR PROVIDING RECOVERY FOR VICTIMS OF CHECK FRAUD**  
[54] **SYSTEME ET METHODE DE REMBOURSEMENT EN CAS DE FRAUDES PAR CHEQUE**  
[72] BROWNING, JOHN, US  
[72] BRIGGS, BRIAN, US  
[72] ILLINGWORTH, KEN, US  
[71] CUSTOM DIRECT, INC., US  
[22] 2003-08-19  
[41] 2004-04-15  
[30] US (60/418,936) 2002-10-15

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[21] **2,437,997**  
[13] A1

[51] **Int.Cl. 7B01D 53/92 7C10L 1/12**  
[25] EN  
[54] **EMISSIONS CONTROL SYSTEM FOR DIESEL FUEL COMBUSTION AFTER TREATMENT SYSTEM**  
[54] **SYSTEME ANTIPOLLUTION POUR SYSTEME DE COMBUSTION DE CARBURANT DIESEL A POST-TRAITEMENT**  
[72] ROOS, JOSEPH W., US  
[72] SCHWAB, SCOTT D., US  
[72] HUMAN, DAVID M., US  
[72] GUNTHER, GREGORY H., US  
[71] ETHYL CORPORATION, US  
[22] 2003-08-25  
[41] 2004-04-16  
[30] US (10/272,598) 2002-10-16

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[21] **2,438,157**  
[13] A1

[51] **Int.Cl. 7F02M 25/00**  
[25] EN  
[54] **METHOD OF OXIDIZING SOOT AND REDUCING SOOT ACCUMULATION IN A DIESEL FUEL COMBUSTION AFTER TREATMENT SYSTEM**  
[54] **METHODE D'OXYDATION DE LA SUIE ET DE REDUCTION DE L'ACCUMULATION DE SUIE DANS UN SYSTEME DE COMBUSTION DE CARBURANT DIESEL A POST-TRAITEMENT**  
[72] SCHWAB, SCOTT D., US  
[72] GUNTHER, GREGORY H., US  
[72] ROOS, JOSEPH W., US  
[72] HUMAN, DAVID M., US  
[71] ETHYL CORPORATION, US  
[22] 2003-08-25  
[41] 2004-04-16  
[30] US (10/271,618) 2002-10-16

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[21] **2,438,159**  
[13] A1

[51] **Int.Cl. 7B01D 53/94 7F02M 25/00 7C10L 1/12 7B01D 53/92**  
[25] EN  
[54] **METHOD OF ENHANCING THE OPERATION OF A DIESEL FUEL COMBUSTION AFTER TREATMENT SYSTEM**  
[54] **METHODE PERMETTANT D'AMELIORER LE FONCTIONNEMENT D'UN SYSTEME DE COMBUSTION DE CARBURANT DIESEL A POST-TRAITEMENT**  
[72] ROOS, JOSEPH W., US  
[72] GUNTHER, GREGORY H., US  
[72] SCHWAB, SCOTT D., US  
[72] HUMAN, DAVID M., US  
[71] ETHYL CORPORATION, US  
[22] 2003-08-25  
[41] 2004-04-16  
[30] US (10/272,566) 2002-10-16

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[21] **2,438,400**  
[13] A1

[51] **Int.Cl. 7B60B 35/00**  
[25] EN  
[54] **ISOLATED AXLE MOUNTING**  
[54] **FIXATION D'ESSIEU ISOLEE**  
[72] REASER, HOWARD, US  
[71] DANA CORPORATION, US  
[22] 2003-08-27  
[41] 2004-04-11  
[30] US (10/269,325) 2002-10-11

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[21] **2,438,741**  
[13] A1  
[51] **Int.Cl. 7G02B 5/30**  
[25] EN  
[54] **WIRE GRID POLARIZER**  
[54] **POLARISEUR A GRILLE DE FILS METALLIQUES**  
[72] KURTZ, ANDREW F., US  
[72] RAMANUJAN, SUJATHA, US  
[72] MI, XIANG-DONG, US  
[71] EASTMAN KODAK COMPANY, US  
[22] 2003-08-25  
[41] 2004-04-15  
[30] US (10/271,197) 2002-10-15

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[21] **2,440,968**  
[13] A1  
[51] **Int.Cl. 7F04C 23/00**  
[25] EN  
[54] **HORIZONTAL TWO STAGE ROTARY COMPRESSOR**  
[54] **COMPRESSEUR ROTATIF HORIZONTAL A DEUX ETAGES**  
[72] DREIMAN, NELIK I., US  
[72] BUNCH, RICK L., US  
[71] TECUMSEH PRODUCTS COMPANY, US  
[22] 2003-09-15  
[41] 2004-04-15  
[30] US (10/271,268) 2002-10-15

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[21] **2,441,715**  
[13] A1  
[51] **Int.Cl. 7F16B 25/10**  
[25] EN  
[54] **FASTENER WITH STEPPED HEAD FOR COMPOSITE DECKING**  
[54] **FIXATION AVEC TETE ETAGEE POUR PLATELAGE COMPOSITE**  
[72] HABERMEHL, G. LYLE, US  
[71] HABERMEHL, G. LYLE, US  
[22] 2003-09-19  
[41] 2004-04-11  
[30] US (10/269,906) 2002-10-11

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[21] **2,439,980**  
[13] A1  
[51] **Int.Cl. 7H02K 16/04 7H02K 21/14**  
[25] EN  
[54] **AXIAL GAP BRUSHLESS DC MOTOR**  
[54] **MOTEUR C.C. SANS BALAIS A ECARTEMENT AXIAL**  
[72] POORE, BERNARD BRANDT, US  
[72] HAUGAN, OYVIN, US  
[71] DEERE & COMPANY, US  
[22] 2003-09-05  
[41] 2004-04-14  
[30] US (10/269,691) 2002-10-14

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[21] **2,441,052**  
[13] A1  
[51] **Int.Cl. 7F04C 29/00**  
[25] EN  
[54] **HORIZONTAL TWO STAGE ROTARY COMPRESSOR WITH IMPROVED LUBRICATION STRUCTURE**  
[54] **COMPRESSEUR ROTATIF HORIZONTAL A DEUX ETAGES AVEC SYSTEME DE LUBRIFICATION AMELIORE**  
[72] DREIMAN, NELIK I., US  
[72] BUNCH, RICK L., US  
[71] TECUMSEH PRODUCTS COMPANY, US  
[22] 2003-09-15  
[41] 2004-04-15  
[30] US (10/271,248) 2002-10-15

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[21] **2,441,853**  
[13] A1  
[51] **Int.Cl. 7G06F 17/40 7B64D 47/00 7G01D 9/00 7G01D 21/00 7G06F 19/00 7G01M 19/00 7G08C 17/02**  
[25] EN  
[54] **SYSTEM AND METHOD FOR MONITORING A STRUCTURE**  
[54] **SYSTEME ET METHODE DE SURVEILLANCE D'UNE STRUCTURE**  
[72] DI MARZIO, DON, US  
[71] NORTHROP GRUMMAN CORPORATION, US  
[22] 2003-09-19  
[41] 2004-04-17  
[30] US (10/274,094) 2002-10-17

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[21] **2,440,955**  
[13] A1  
[51] **Int.Cl. 7F25B 39/04**  
[25] EN  
[54] **REFRIGERATING UNIT HAVING HEAT EXCHANGER MOUNTING SHROUD**  
[54] **GROUPE FRIGORIFIQUE COMPRENANT UN CARENAGE DE MONTAGE D'ECHANGEUR THERMIQUE**  
[72] ERISGEN, SUKRU, US  
[71] TECUMSEH PRODUCTS COMPANY, US  
[22] 2003-09-15  
[41] 2004-04-15  
[30] US (10/271,251) 2002-10-15

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[21] **2,441,632**  
[13] A1  
[51] **Int.Cl. 7B27L 11/00 7B27G 13/04 7B27B 33/20 7B26D 1/29**  
[25] EN  
[54] **RING SLICER WITH EASILY REMOVABLE KNIFE AND KNIFE ASSEMBLY**  
[54] **TRANCHE-ANNEAUX AVEC LAME FACILEMENT DEMONTABLE ET ENSEMBLE PORTE-LAMES**  
[72] STAGER, BRADLEY R., US  
[71] KEY KNIFE, INC., US  
[22] 2003-09-24  
[41] 2004-04-12  
[30] US (10/280,278) 2002-10-25

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[21] **2,442,009**  
[13] A1  
[51] **Int.Cl. 7A01C 23/00 7A01M 7/00**  
[25] EN  
[54] **TANK RINSE STRUCTURE FOR AN AGRICULTURAL SPRAYER**  
[54] **STRUCTURE DE RINCAGE DE RESERVOIR DE PULVERISATEUR AGRICOLE**  
[72] FUGATE, MICHAEL DEAN, US  
[72] KLEMME, KENT ALVIN, US  
[72] ENGELBRECHT, JOSHUA JACOB, US  
[71] DEERE & COMPANY, US  
[22] 2003-09-22  
[41] 2004-04-15  
[30] US (10/272,975) 2002-10-15

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[21] **2,442,158**  
[13] A1

[51] **Int.Cl. 7H04B 10/17 7H01S 5/06**  
[25] EN  
[54] **BROADBAND TUNABLE OPTICAL AMPLIFIER**  
[54] **AMPLIFICATEUR OPTIQUE ACCORDABLE A LARGE BANDE**  
[72] FARLEY, KEVIN S., CA  
[72] JOLLEY, NIGEL, GB  
[71] NORTEL NETWORKS LIMITED, CA  
[22] 2003-09-22  
[41] 2004-04-11  
[30] US (10/268,772) 2002-10-11

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[21] **2,442,278**  
[13] A1

[51] **Int.Cl. 7A47C 1/032 7A47C 3/00**  
[25] EN  
[54] **CHAIR WITH MOVABLE SEAT AND BACKREST**  
[54] **FAUTEUIL AVEC SIEGE ET DOSSIER MOBILES**  
[72] SANGIORGIO, CLAUDIO, IT  
[71] ICF S.P.A., IT  
[22] 2003-09-24  
[41] 2004-04-16  
[30] IT (MI2002A 002194) 2002-10-16

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[21] **2,442,638**  
[13] A1

[51] **Int.Cl. 7H05B 3/40 7B29C 45/74**  
[25] EN  
[54] **ELECTRICAL SLEEVE HEATER**  
[54] **APPAREIL DE CHAUFFAGE ELECTRIQUE A MANCHON**  
[72] SADOWSKI, ANDRE, DE  
[71] HOTSET HEIZPATRONEN U. ZUBEHOR GMBH, DE  
[22] 2003-09-25  
[41] 2004-04-11  
[30] DE (102 47 509.1) 2002-10-11

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[21] **2,442,247**  
[13] A1

[51] **Int.Cl. 7B41C 1/05 7B41F 9/06**  
[25] EN  
[54] **METHOD TO PRODUCE A PRINT BLOCK FOR ROTOGRAVURE**  
[54] **METHODE DE PRODUCTION DE CLICHES D'IMPRIMERIE POUR LA ROTOGRAVURE**  
[72] BEISSWENGER, SIEGFRIED, DE  
[71] HELL GRAVURE SYSTEMS GMBH, DE  
[22] 2003-09-23  
[41] 2004-04-17  
[30] DE (102 48 602.6) 2002-10-17  
[30] DE (103 24 327.5) 2003-05-27

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[21] **2,442,384**  
[13] A1

[51] **Int.Cl. 7B65D 33/00 7D03D 15/00 7B65D 30/04**  
[25] EN  
[54] **FLEXIBLE INTERMEDIATE BULK CONTAINER**  
[54] **CONTENANT SEMI-VRAC SOUPLE**  
[72] TREPTE, PETER, DE  
[72] GUENGOER, NURETTIN, TR  
[72] AKDOGAN, I. SELIM, TR  
[71] UENSA AMBALAJ SANAYI VE TICARET A.S., TR  
[22] 2003-09-24  
[41] 2004-04-16  
[30] EP (02 023 236.9) 2002-10-16

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[21] **2,442,791**  
[13] A1

[51] **Int.Cl. 7G01N 27/447 7G01N 21/31**  
[25] EN  
[54] **IMPROVED MULTIPLEXED ABSORBANCE-BASED CAPILARY ELECTROPHORESIS SYSTEM AND METHOD**  
[54] **SYSTEME ET METHODE AMELIORES D'ELECTROPHORESE CAPILLAIRE PAR ABSORBANCE MULTIPLEXEE**  
[72] PANG, HO-MING, US  
[72] KENSETH, JEREMY R., US  
[72] STRASBURG, ROY F., US  
[71] COMBISEP, INC., US  
[22] 2003-09-26  
[41] 2004-04-11  
[30] US (10/269,646) 2002-10-11

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[21] **2,442,274**  
[13] A1

[51] **Int.Cl. 7G01V 3/32**  
[25] EN  
[54] **ENHANCED PERFORMANCE ANTENNAS FOR NMR LOGGING**  
[54] **ANTENNES A RENDEMENT SUPERIEUR POUR L'ENREGISTREMENT DE LA RMN**  
[72] TAHERIAN, REZA, US  
[72] HARRIS, RICHARD P., US  
[71] SCHLUMBERGER CANADA LIMITED, CA  
[22] 2003-09-23  
[41] 2004-04-16  
[30] US (10/065,414) 2002-10-16

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[21] **2,442,418**  
[13] A1

[51] **Int.Cl. 7C08L 53/02 7B29C 45/00 7C08J 5/00 7C08F 236/04 7C08F 212/08**  
[25] EN  
[54] **TRANSPARENT BLOCK COPOLYMERS AND PRODUCTION THEREOF**  
[54] **COPOLYMERES SEQUENCES TRANSPARENTS ET PRODUCTION DESDITS COPOLYMERES**  
[72] HALLET, JEAN PHILIPPE, BE  
[72] COUPIN, THIERRY, BE  
[71] ATOFINA RESEARCH, BE  
[22] 2003-09-24  
[41] 2004-04-11  
[30] EP (02292511.9) 2002-10-11

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[21] **2,443,337**  
[13] A1

[51] **Int.Cl. 7G06F 17/00 7G06F 7/00 7H04L 12/16 7G06F 17/20**  
[25] EN  
[54] **INTERACTIVE CONFLICT RESOLUTION FOR PERSONALIZED POLICY-BASED SERVICES**  
[54] **RESOLUTION INTERACTIVE DES CONFLITS POUR SERVICES PERSONNALISES FONDES SUR DES POLITIQUES**  
[72] LISCANO, RAMIRO, CA  
[72] AMYOT, DANIEL, CA  
[72] GRAY, THOMAS, CA  
[72] SINCENNES, JACQUES, CA  
[72] SEGUIN, JEAN-MARC, CA  
[72] BAKER, KATHY, CA  
[71] MITEL KNOWLEDGE CORPORATION, CA  
[22] 2003-09-29  
[41] 2004-04-17  
[30] GB (0224187.5) 2002-10-17



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[21] **2,443,370**  
[13] A1  
[51] **Int.Cl. 7C12N 9/00 7G06F 17/00  
7G06F 19/00 7A61K 45/00 7G01N 23/20  
7G06F 17/50 7G01N 33/53**  
[25] EN  
[54] **STRUCTURES OF SUBSTRATE  
BINDING POCKETS OF SCF  
COMPLEXES**  
[54] **STRUCTURES DE POCHEs DE  
LIAISON DE COMPLEXES SFC AVEC  
LE SUBSTRAT**  
[72] SICHERI, FRANK, CA  
[72] TYERS, MIKE, CA  
[72] TANG, XIAOJING, CA  
[72] WILLEMS, ANDREW, CA  
[72] ORLICKY, STEPHEN, CA  
[71] MOUNT SINAI HOSPITAL, CA  
[22] 2003-10-17  
[41] 2004-04-17  
[30] US (60/419,606) 2002-10-17

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[21] **2,443,522**  
[13] A1  
[51] **Int.Cl. 7B65H 19/18**  
[25] EN  
[54] **METHOD AND APPARATUS FOR  
THE PREPARATION OF A PAPER  
REEL FOR FLYING REEL CHANGE**  
[54] **METHODE ET DISPOSITIF DE  
PREPARATION D'UNE BOBINE DE  
PAPIER POUR PILOTAGE DU  
CHANGEMENT DE BOBINE**  
[72] BRAENDLI, WALTER, CH  
[72] COLOMBO, OLIVER, CH  
[72] MARCHAND, ROMAIN, CH  
[71] METSO PAPER AG, CH  
[22] 2003-09-30  
[41] 2004-04-14  
[30] EP (02022893.8) 2002-10-14

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[21] **2,443,544**  
[13] A1  
[51] **Int.Cl. 7E05F 15/18**  
[25] EN  
[54] **POWER CONVERSION UNIT AND  
METHOD OF PROVIDING POWER TO  
A WINDOW COVERING**  
[54] **CONVERTISSEUR  
D'ALIMENTATION ET METHODE  
PERMETTANT DE FOURNIR DE  
L'ENERGIE A UN COUVRE-FENETRE**  
[72] OSINGA, ANNE J., NL  
[71] HUNTER DOUGLAS INDUSTRIES  
B.V., NL  
[22] 2003-09-30  
[41] 2004-04-17  
[30] EP (02257217.6) 2002-10-17

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[21] **2,443,585**  
[13] A1  
[51] **Int.Cl. 7C07D 487/12 7C07D 491/14  
7A61K 31/403 7C07D 209/82**  
[25] FR  
[54] **NOUVEAUX DERIVES DE (3,4-  
A:3,4-C) CARBAZOLE, LEUR  
PROCEDE DE PREPARATION, ET LES  
COMPOSITIONS  
PHARMACEUTIQUES QUI LES  
CONTIENNENT**  
[54] **NEW DERIVATIVES OF (3,4-A:3,4-  
C) CARBAZOLE, THEIR  
PREPARATION PROCESS, AND  
PHARMACEUTICAL COMPOSITIONS  
THAT CONTAIN THEM**  
[72] PFEIFFER, BRUNO, FR  
[72] RENARD, PIERRE, FR  
[72] PRUDHOMME, MICHELLE, FR  
[72] HUGON, BERNADETTE, FR  
[72] GOLSTEYN, ROY, FR  
[72] PIERRE, ALAIN, FR  
[72] HICKMAN, JOHN, FR  
[72] ANIZON, FABRICE, FR  
[71] LES LABORATOIRES SERVIER, FR  
[22] 2003-10-15  
[41] 2004-04-16  
[30] FR (02.12847) 2002-10-16

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[21] **2,443,588**  
[13] A1  
[51] **Int.Cl. 7G01B 5/004 7B61D 19/02  
7B61D 23/02 7G01C 3/14 7G01S 15/88**  
[25] FR  
[54] **PROCEDE ET DISPOSITIF POUR  
LA LOCALISATION D'UN REBORD  
DISPOSE A LA JONCTION DE DEUX  
SURFACES GLOBALEMENT PLANES**  
[54] **PROCESS AND DEVICE FOR THE  
LOCATING OF A LEDGE PLACED AT  
THE JUNCTION OF TWO GLOBALLY  
PLANE SURFACES**  
[72] TREGOAT, ERIC, FR  
[72] FRELICOT, CARL, FR  
[72] ROURE, CHRISTIAN, FR  
[72] BESSERER, BERNARD, FR  
[71] ALSTOM, FR  
[22] 2003-10-14  
[41] 2004-04-16  
[30] FR (02 12 896) 2002-10-16

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[21] **2,443,667**  
[13] A1  
[51] **Int.Cl. 7C08L 5/16**  
[25] EN  
[54] **METHOD FOR IMPROVING  
VISCOSITY OF THICKENERS FOR  
AQUEOUS SYSTEMS**  
[54] **METHODE D'OPTIMISATION DE  
LA VISCOSITE D'EPAISSISSANTS  
UTILISES DANS DES MILIEUX  
AQUEUX**  
[72] ZHANG, LIFENG, US  
[71] ROHM AND HAAS COMPANY, US  
[22] 2003-09-30  
[41] 2004-04-11  
[30] US (60/417,854) 2002-10-11

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[21] **2,443,767**  
[13] A1  
[51] **Int.Cl. 7B62M 9/02 7B62K 5/04  
7B62M 9/16**  
[25] EN  
[54] **R3R THREE-WHEEL VEHICLE  
AND CONCENTRIC INTERMEDIATE  
SPROCKET ASSEMBLY THEREFOR**  
[54] **VEHICULE A TROIS ROUES AVEC  
PIGNON INTERMEDIAIRE  
CONCENTRIQUE CONNEXE**  
[72] FECTEAU, BERTHOLD, CA  
[72] AUDET, MATHIEU, CA  
[72] MASSICOTTE, ALAIN, CA  
[72] GIROUARD, BRUNO, CA  
[71] BOMBARDIER RECREATIONAL  
PRODUCTS, CA  
[22] 2003-10-16  
[41] 2004-04-16  
[30] US (60/418355) 2002-10-16  
[30] US (10/371223) 2003-02-24

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[21] **2,443,875**  
[13] A1  
[51] **Int.Cl. 7A47L 11/30 7A47L 11/29**  
[25] EN  
[54] **VACUUM SWEEPING SYSTEM  
FOR AUTOMATIC SCRUBBER**  
[54] **SYSTEME DE BALAYAGE  
ASPIRANT POUR EPURATEUR  
AUTOMATIQUE**  
[72] FIELDS, WILLIAM A., US  
[71] SURTEC, INC., US  
[22] 2003-10-02  
[41] 2004-04-11  
[30] US (10/269,730) 2002-10-11

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[21] **2,443,882**  
[13] A1

[51] **Int.Cl. 7C09D 163/00 7C08L 63/00 7C09D 133/12 7C08L 33/12**  
[25] EN  
[54] **SMOOTH, FLEXIBLE POWDER COATINGS**  
[54] **REVETEMENTS EN POUDRE SOUPLES ET LISSES**  
[72] DALY, ANDREW T., US  
[72] TULLOS, GORDON L., US  
[72] ILENDIA, CASMIR STANISLAUS, US  
[72] SPERA, MICHAEL LOUIS, US  
[71] ROHM AND HAAS COMPANY, US  
[22] 2003-10-02  
[41] 2004-04-16  
[30] US (60/418,760) 2002-10-16

[21] **2,444,038**  
[13] A1

[51] **Int.Cl. 7B65B 41/08**  
[25] EN  
[54] **ALIGNING DEVICE AND METHOD FOR FEEDING PRODUCTS INTO AN AUTOMATIC PACKAGING MACHINE**  
[54] **DISPOSITIF ET METHODE D'ALIGNEMENT POUR CHARGER DES PRODUITS DANS UNE CONDITIONNEUSE AUTOMATIQUE**  
[72] BALLESTRAZZI ARIS, IT  
[72] TASSI, LAMBERTO, IT  
[71] SITMA S.P.A., IT  
[22] 2003-10-08  
[41] 2004-04-14  
[30] IT (MI2002A002177) 2002-10-14

[21] **2,444,042**  
[13] A1

[51] **Int.Cl. 7B23B 31/06**  
[25] EN  
[54] **DRILL ACCESSORY**  
[54] **ACCESSOIRE DE PERCEUSE**  
[72] BAI, LI KUN, CA  
[71] BAI, LI KUN, CA  
[22] 2003-10-08  
[41] 2004-04-11  
[30] CA (2,407,908) 2002-10-11

[21] **2,444,074**  
[13] A1

[51] **Int.Cl. 7F25B 21/02 7F25D 23/00 7F25D 29/00 7F25D 11/02**  
[25] EN  
[54] **THERMOELECTRIC TEMPERATURE CONTROLLED REFRIGERATOR FOOD STORAGE COMPARTMENT**  
[54] **COMPARTIMENT DE CONSERVATION D'ALIMENTS A COMMANDE DE TEMPERATURE THERMOELECTRIQUE POUR REFRIGERATEUR**  
[72] FU, XIAOYONG, US  
[72] MERCILLE, ROBERT STEPHEN, US  
[72] MILLER, ALVIN V., US  
[72] MANDEL, SHELDON WAYNE, US  
[72] VESTAL, WILLIAM J., US  
[71] MAYTAG CORPORATION, US  
[22] 2003-10-07  
[41] 2004-04-15  
[30] US (10/270,100) 2002-10-15

[21] **2,444,106**  
[13] A1

[51] **Int.Cl. 7A62C 2/06 7F24F 13/00 7F24F 7/10**  
[25] EN  
[54] **VENTILATION APPARATUS WITH INTEGRAL INTUMESCENT FIRE AND SMOKE STOP AND METHOD OF MANUFACTURING SAME**  
[54] **APPAREIL DE VENTILATION AVEC COUPE-FEU ET COUPE-FUMEE INTUMESCENTS INTEGRAUX, ET METHODE DE FABRICATION**  
[72] KENNEDY, JOSEPH A., CA  
[72] LENTINI, JEFFREY, US  
[71] AIR-KING LIMITED, CA  
[22] 2003-10-03  
[41] 2004-04-15  
[30] US (10/271,233) 2002-10-15

[21] **2,444,115**  
[13] A1

[51] **Int.Cl. 7B65G 17/06 7B65G 17/30**  
[25] EN  
[54] **MODULE WITH HIGH FRICTION CONVEYING SURFACE**  
[54] **MODULE AVEC SURFACE DE TRANSPORT A COEFFICIENT DE FRICTION ELEVE**  
[72] GULDENFELS, DIETER, CH  
[72] GALLON, RENATO, CH  
[71] HABASIT AG, CH  
[22] 2003-10-08  
[41] 2004-04-11  
[30] US (60/418,088) 2002-10-11

[21] **2,444,120**  
[13] A1

[51] **Int.Cl. 7G01D 4/00 7G01F 15/00 7B67D 5/08**  
[25] EN  
[54] **WATER METERING SYSTEM**  
[54] **SYSTEME DE COMPTEUR D'EAU**  
[72] SAAR, DAVID A., US  
[72] SMITH, WADE W., US  
[71] SAAR, DAVID A., US  
[71] SMITH, WADE W., US  
[22] 2003-10-01  
[41] 2004-04-15  
[30] US (10/272,392) 2002-10-15

[21] **2,444,132**  
[13] A1

[51] **Int.Cl. 7A01K 1/03 7A01K 1/02**  
[25] EN  
[54] **ADAPTER FOR CONVERTING AN ANIMAL ENCLOSURE INTO A SELF ENCASED PET CRATE**  
[54] **ADAPTATEUR PERMETTANT DE TRANSFORMER EN CAGE UN PANIER POUR ANIMAL DE COMPAGNIE**  
[72] OZERI, MOSHE, US  
[72] BAHAR, REUBEN, US  
[71] OZERI, MOSHE, US  
[71] BAHAR, REUBEN, US  
[22] 2003-09-30  
[41] 2004-04-15  
[30] US (10/272,183) 2002-10-15

[21] **2,444,140**  
[13] A1

[51] **Int.Cl. 7F01P 3/20 7B63H 20/00 7F01P 7/16**  
[25] EN  
[54] **WATER-COOLED VERTICAL ENGINE, OUTBOARD MOTOR EQUIPPED WITH WATER-COOLED VERTICAL ENGINE, AND OUTBOARD MOTOR**  
[54] **MOTEUR A COMBUSTION VERTICAL REFROIDI PAR EAU, MOTEUR HORS-BORD EQUIPE D'UN MOTEUR A COMBUSTION VERTICAL REFROIDI PAR EAU, ET MOTEUR HORS-BORD**  
[72] KURODA, TATSUYA, JP  
[72] TAWA, HIROKI, JP  
[72] USHIYAMA, HIDEYUKI, JP  
[71] HONDA MOTOR CO., LTD., JP  
[22] 2003-10-01  
[41] 2004-04-11  
[30] JP (2002-298999) 2002-10-11  
[30] JP (2002-299003) 2002-10-11

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[21] **2,444,142**  
[13] A1  
[51] **Int.Cl. 7D21F 5/02**  
[25] EN  
[54] **DEVICE FOR CONTINUOUS DRYING OF A PULP SHEET**  
[54] **DISPOSITIF DE SECHAGE EN CONTINU D'UNE FEUILLE DE PATE**  
[72] MAUSSER, WILHELM, AT  
[72] HAIDER, FRANZ, AT  
[72] SCHADLER, GERALD, AT  
[71] ANDRITZ AG, AT  
[22] 2003-10-01  
[41] 2004-04-14  
[30] AT (A 1552/2002) 2002-10-14

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[21] **2,444,167**  
[13] A1  
[51] **Int.Cl. 7G01C 21/20 7G06F 17/00 7G08G 5/00**  
[25] EN  
[54] **SYSTEM AND METHOD FOR PROVIDING HIGH PERFORMANCE QUANTIZER PROCESSING**  
[54] **SYSTEME ET METHODE DE TRAITEMENT DE QUANTIFICATION DE HAUTE PERFORMANCE**  
[72] KYRIACOU, PETER, US  
[72] TAZARTES, DANIEL A., US  
[72] FANN, SHAW-WEN, US  
[72] MARSDEN, JAMES G., US  
[71] NORTHROP GRUMMAN CORPORATION, US  
[22] 2003-10-09  
[41] 2004-04-14  
[30] US (10/270,817) 2002-10-14

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[21] **2,444,173**  
[13] A1  
[51] **Int.Cl. 7H01R 13/02 7H02K 33/00**  
[25] EN  
[54] **SOLENOID ELECTRICAL CONNECTION AND ELECTRICAL SPRING TERMINAL THEREFOR**  
[54] **CONNEXION ELECTRIQUE DE SOLENOIDE ET BORNE ELECTRIQUE A RESSORT CONNEXE**  
[72] SELTZ, RICHARD GAVIN, US  
[71] EATON CORPORATION, US  
[22] 2003-10-03  
[41] 2004-04-15  
[30] US (10/271,913) 2002-10-15

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[21] **2,444,179**  
[13] A1  
[51] **Int.Cl. 7G01N 27/447 7G01N 33/53**  
[25] EN  
[54] **METHOD FOR DETERMINING MULTIMERS OF PLASMA PROTEINS**  
[54] **METHODE DE DETERMINATION QUALITATIVE ET QUANTITATIVE DES MULTIMERES DE PROTEINES PLASMATIQUES**  
[72] CUESTA-LINKER, THOMAS, DE  
[72] HERMENTIN, PETER, DE  
[72] SCHMIDT, KARL-HEINZ, DE  
[71] AVENTIS BEHRING GMBH, DE  
[22] 2003-10-09  
[41] 2004-04-14  
[30] DE (102 47 876.7) 2002-10-14

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[21] **2,444,187**  
[13] A1  
[51] **Int.Cl. 7F24J 3/00 7B60H 1/00 7B60H 1/02**  
[25] EN  
[54] **HEAT GENERATOR**  
[54] **GENERATEUR DE CHALEUR**  
[72] TILLY, CHRISTIAN, DE  
[71] BORGWARNER INC., US  
[22] 2003-10-02  
[41] 2004-04-16  
[30] EP (02 023 030.6) 2002-10-16

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[21] **2,444,196**  
[13] A1  
[51] **Int.Cl. 7C07C 37/08 7B01J 37/00 7B01J 27/04 7C07C 39/08**  
[25] EN  
[54] **CATALYST FOR ACIDOLYSIS OF AROMATIC HYDROPEROXY COMPOUND AND PROCESS FOR PRODUCING AROMATIC HYDROXY COMPOUND USING THE SAME**  
[54] **CATALYSEUR POUR L'ACIDOLYSE D'UN COMPOSE HYDROPEROXYLE AROMATIQUE ET METHODE DE PRODUCTION D'UN COMPOSE HYDROXYLE AROMATIQUE A L'AIDE DUDIT CATALYSEUR**  
[72] OONUMA, MITSURU, JP  
[71] SUMITOMO CHEMICAL COMPANY, LIMITED, JP  
[22] 2003-10-09  
[41] 2004-04-11  
[30] JP (2002-298484) 2002-10-11

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[21] **2,444,211**  
[13] A1  
[51] **Int.Cl. 7A61B 5/053 7G01N 27/02**  
[25] EN  
[54] **DETERMINATION OF BIOLOGICAL CONDITIONS USING IMPEDANCE MEASUREMENTS**  
[54] **DETERMINATION DES CONDITIONS BIOLOGIQUES PAR MESURES D'IMPEDANCE**  
[72] ABERG, PETER, SE  
[72] NICANDER, INGRID, SE  
[72] OLLMAR, STIG, SE  
[71] DERMAL THERAPY (BARBADOS) INC., BB  
[22] 2003-10-09  
[41] 2004-04-11  
[30] US (60/417,561) 2002-10-11

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[21] **2,444,223**  
[13] A1  
[51] **Int.Cl. 7G06F 13/40**  
[25] EN  
[54] **VME MULTI-SERVICE PLATFORM SYSTEM AND METHOD**  
[54] **SYSTEME ET METHODE DE PLATE-FORME MULTISERVICE VME**  
[72] GERMAN, MARK S., US  
[72] STEFFENSEN, NILS P., US  
[72] WONG, HENRY, US  
[71] MOTOROLA, INC., US  
[22] 2003-10-01  
[41] 2004-04-16  
[30] US (10/272,659) 2002-10-16

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[21] **2,444,299**  
[13] A1  
[51] **Int.Cl. 7F16B 19/10**  
[25] EN  
[54] **A RIVET PROVIDED WITH ELASTIC FEET**  
[54] **RIVET AVEC PATINS ELASTIQUES**  
[72] LESECQ, JEAN-PIERRE, FR  
[71] I.T.W. DE FRANCE, FR  
[22] 2003-10-08  
[41] 2004-04-11  
[30] FR (0212669) 2002-10-11

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[21] **2,444,319**  
[13] A1  
[51] **Int.Cl. 7H04N 1/54 7G06K 15/02  
7G06F 3/12 7B41J 2/525 7H04N 1/56**  
[25] EN  
[54] **BALANCING GRAYS ON COLOR  
PRINTERS**  
[54] **EQUILIBRAGE DES GRIS  
D'IMPRIMANTES COULEUR**  
[72] YAO, MENG, US  
[72] MALTZ, MARTIN S., US  
[71] XEROX CORPORATION, US  
[22] 2003-10-08  
[41] 2004-04-15  
[30] US (10/270,966) 2002-10-15

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[21] **2,444,323**  
[13] A1  
[51] **Int.Cl. 7H02P 7/00 7F04D 15/00  
7E04H 4/12 7H02K 7/14**  
[25] EN  
[54] **AUTOMATIC CONTROL SWITCH  
FOR AN ELECTRIC MOTOR**  
[54] **COMMUTATEUR DE COMMANDE  
AUTOMATIQUE POUR MOTEUR  
ELECTRIQUE**  
[72] KELLY, GERARD, CA  
[72] FORRESTER, BERNARD, CA  
[71] KELLY, GERARD, CA  
[22] 2003-10-08  
[41] 2004-04-11  
[30] US (10/269,641) 2002-10-11

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[21] **2,444,328**  
[13] A1  
[51] **Int.Cl. 7G07F 17/32 7G07F 17/34**  
[25] EN  
[54] **GAMING MACHINE AND  
METHOD HAVING SYMBOLS  
CAPABLE OF DISPLAYING  
MOVEMENT**  
[54] **APPAREIL ET METHODE DE  
JEUX DE HASARD COMPORTANT DES  
SYMBOLES MOBILES**  
[72] FORMAN, DAVID, US  
[72] WHITE, RICK, US  
[71] PLANET BINGO, LLC, US  
[22] 2003-10-08  
[41] 2004-04-11  
[30] US (10/268,642) 2002-10-11

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[21] **2,444,348**  
[13] A1  
[51] **Int.Cl. 7B29C 45/03 7B29C 45/07  
7B29C 45/26 7B29C 45/40**  
[25] EN  
[54] **STANDARDISED MODULAR  
SYSTEM FOR MOULDS OF INJECTION  
MOULDING MACHINES**  
[54] **SYSTEME MODULAIRE  
NORMALISE POUR MOULES DE  
PRESSES A INJECTER**  
[72] SAULLE, LORENZO, IT  
[71] LITECO S.R.L., IT  
[22] 2003-10-06  
[41] 2004-04-11  
[30] EP (02425618.2) 2002-10-11

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[21] **2,444,355**  
[13] A1  
[51] **Int.Cl. 7B29C 65/08 7B01D 35/02  
7F16N 39/06 7B29C 65/56**  
[25] EN  
[54] **PROCEDURE FOR THE  
MANUFACTURE OF AN ALL PLASTIC  
OIL PAN WITH INTEGRATED OIL  
FILTER**  
[54] **FABRICATION D'UN CARTER  
D'HUILE ENTIEREMENT EN  
PLASTIQUE AVEC FILTRE A HUILE  
INTEGRE**  
[72] MAUELSHAGEN, MICHAEL, DE  
[72] BEER, MARKUS, DE  
[71] IBS FILTRAN KUNSTOFF-/  
METALLERZEUGNISSE GMBH, DE  
[22] 2003-10-07  
[41] 2004-04-12  
[30] EP (02022815.1) 2002-10-12

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[21] **2,444,361**  
[13] A1  
[51] **Int.Cl. 7G01R 31/08 7H04B 3/46**  
[25] EN  
[54] **METHOD FOR DETECTION OF A  
SHIELDING FAULT IN A MULTIWIRE  
CABLE**  
[54] **METHODE DE DETECTION DES  
DEFAUTS DE BLINDAGE D'UN CABLE  
MULTIBRIN**  
[72] GAMBARDELLA, EDDIE, FR  
[72] FLOURENS, FRANCK, FR  
[71] AIRBUS FRANCE, FR  
[22] 2003-10-09  
[41] 2004-04-11  
[30] FR (02 12671) 2002-10-11

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[21] **2,444,368**  
[13] A1  
[51] **Int.Cl. 7A47B 87/00 7A47B 21/02  
7A47B 81/06**  
[25] EN  
[54] **FURNITURE WITH VERTICALLY  
MOVABLE FLAT PANEL DISPLAY  
SCREEN**  
[54] **MEUBLE AVEC ECRAN  
D'AFFICHAGE PLAT  
VERTICALEMENT MOBILE**  
[72] EINHORN, SHAMIR, US  
[72] EINHORN, DAVID, US  
[72] EINHORN, SHIMON, US  
[71] SHARUT FURNITURE, US  
[22] 2003-10-03  
[41] 2004-04-11  
[30] US (10/269,145) 2002-10-11

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[21] **2,444,369**  
[13] A1  
[51] **Int.Cl. 7H02H 3/14 7H01R 13/713**  
[25] EN  
[54] **ELECTRICAL GROUND  
PROTECTION DEVICE AND METHOD**  
[54] **DISPOSITIF ET METHODE DE  
PROTECTION DE MISE A LA TERRE**  
[72] SILVERMAN, ARTHUR A., US  
[71] SILVERMAN, ARTHUR A., US  
[22] 2003-10-09  
[41] 2004-04-11  
[30] US (10/269,482) 2002-10-11

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[21] **2,444,373**  
[13] A1  
[51] **Int.Cl. 7G01V 3/00 7G01V 15/00  
7G08C 17/02 7G08B 21/18 7G08B 21/24**  
[25] EN  
[54] **ASSET RECOVERY DEVICE**  
[54] **DISPOSITIF DE RECUPERATION  
DE BIENS**  
[72] MCDONALD, WESLEY, CA  
[72] BOWEN, JAMES THOMAS, CA  
[71] MCDONALD, WESLEY, CA  
[71] BOWEN, JAMES THOMAS, CA  
[22] 2003-10-09  
[41] 2004-04-15  
[30] US (60/418,205) 2002-10-15

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April 11, 2004 - April 17, 2004

[21] **2,444,382**  
[13] A1  
[51] **Int.Cl. 7C09J 163/00 7C09J 163/02**  
[25] EN  
[54] **TWO-PART EPOXY ADHESIVES WITH IMPROVED FLEXIBILITY AND PROCESS FOR MAKING AND USING SAME**  
[54] **ADHESIFS EPOXYDES A DEUX COMPOSANTS POSSEDANT UNE MEILLEURE FLEXIBILITE ET METHODE DE FABRICATION ET D'UTILISATION CONNEXES**  
[72] HACHIKIAN, ZAKAR RAFFI, US  
[71] ILLINOIS TOOL WORKS INC., US  
[22] 2003-10-07  
[41] 2004-04-14  
[30] US (10/269,800) 2002-10-14

[21] **2,444,409**  
[13] A1  
[51] **Int.Cl. 7F01P 7/16 7B63H 20/00 7F01P 3/02**  
[25] EN  
[54] **WATER-COOLED VERTICAL ENGINE AND OUTBOARD MOTOR EQUIPPED THEREWITH**  
[54] **MOTEUR A COMBUSTION VERTICAL REFROIDI PAR EAU ET MOTEUR HORS-BORD AINSI EQUIPE**  
[72] TAWA, HIROKI, JP  
[72] YOSHIDA, HIROYUKI, JP  
[71] HONDA MOTOR CO., LTD., JP  
[22] 2003-10-06  
[41] 2004-04-11  
[30] JP (2002-299004) 2002-10-11  
[30] JP (2002-299005) 2002-10-11  
[30] JP (2002-299006) 2002-10-11

[21] **2,444,414**  
[13] A1  
[51] **Int.Cl. 7F01P 3/02 7B63H 20/00 7F01P 5/10 7F01P 3/12 7F01P 7/14**  
[25] EN  
[54] **WATER-COOLED VERTICAL ENGINE AND OUTBOARD MOTOR EQUIPPED THEREWITH**  
[54] **MOTEUR A COMBUSTION VERTICAL REFROIDI PAR EAU ET MOTEUR HORS-BORD AINSI EQUIPE**  
[72] USHIYAMA, HIDEYUKI, JP  
[72] TAWA, HIROKI, JP  
[71] HONDA MOTOR CO., LTD., JP  
[22] 2003-10-06  
[41] 2004-04-11  
[30] JP (2002-299000) 2002-10-11

[21] **2,444,452**  
[13] A1  
[51] **Int.Cl. 7G01M 3/00 7B65B 57/00**  
[25] EN  
[54] **APPARATUS FOR INSPECTING SEALED PACKAGES**  
[54] **DISPOSITIF D'INSPECTION DE PAQUETS SCELLES**  
[72] ELBERSEN, PETRUS FRANCISCUS, NL  
[71] ELBERSEN, PETRUS FRANCISCUS, NL  
[22] 2003-10-15  
[41] 2004-04-16  
[30] EP (02079318.8) 2002-10-16

[21] **2,444,454**  
[13] A1  
[51] **Int.Cl. 7F16K 15/18 7E21B 34/08 7E21B 21/10**  
[25] EN  
[54] **PRESSURE COMPENSATED PILOT OPERATED CHECK VALVE**  
[54] **CLAPET ANTI-RETOUR COMMANDE PAR PILOTE AVEC COMPENSATION DE PRESSION**  
[72] AKSELBERG, FRANK, NO  
[71] BAKKE OIL TOOLS AS, NO  
[22] 2003-10-15  
[41] 2004-04-17  
[30] NO (20024992) 2002-10-17

[21] **2,444,468**  
[13] A1  
[51] **Int.Cl. 7C12N 5/06**  
[25] EN  
[54] **A COMPOSITION FOR THE CULTURE OF CELLS, IN PARTICULAR ANIMAL CELLS OR TISSUES, COMPRISING POLYETHYLENE GLYCOL**  
[54] **COMPOSITION DE CULTURE CELLULAIRE, EN PARTICULIER POUR LA CULTURE DE CELLULES OU DE TISSUS ANIMAUX, COMPRENANT DU POLYETHYLENEGLYCOL**  
[72] HERON, ANTOINE, FR  
[71] MACO PHARMA, FR  
[22] 2003-10-15  
[41] 2004-04-16  
[30] FR (02 12878) 2002-10-16

[21] **2,444,545**  
[13] A1  
[51] **Int.Cl. 7E21B 25/00**  
[25] EN  
[54] **SAMPLING ISOLATOR**  
[54] **ISOLATEUR D'ECHANTILLONNAGE**  
[72] LANGE, JAMES E., US  
[71] DIEDRICH DRILL, INC., US  
[22] 2003-10-15  
[41] 2004-04-15  
[30] US (60/418,648) 2002-10-15

[21] **2,444,555**  
[13] A1  
[51] **Int.Cl. 7E21B 7/20**  
[25] EN  
[54] **APPARATUS AND METHODS FOR DRILLING WITH CASING**  
[54] **DISPOSITIF ET METHODES DE FORAGE AVEC TUBAGE**  
[72] HAUGEN, DAVID M., US  
[72] TILTON, FREDERICK T., US  
[71] WEATHERFORD/LAMB, INC., US  
[22] 2003-10-10  
[41] 2004-04-11  
[30] US (10/269,661) 2002-10-11

[21] **2,444,600**  
[13] A1  
[51] **Int.Cl. 7C07C 321/14**  
[25] EN  
[54] **POLYTHIAETHER COMPOUNDS AND THEIR USE AS CORROSION INHIBITORS**  
[54] **POLYTHIAETHERS ET LEUR UTILISATION COMME INHIBITEURS DE LA CORROSION**  
[72] CHANG, ZEN-YU, US  
[72] LUE, PING, US  
[72] MINEVSKI, LILIANA, US  
[71] GE BETZ, INC., US  
[22] 2003-10-02  
[41] 2004-04-15  
[30] US (10/272,128) 2002-10-15

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**11 avril 2004 - 17 avril 2004**

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[21] **2,444,609**  
[13] A1

[51] **Int.Cl. 7G06F 17/60 7G06F 17/40**  
[25] EN  
[54] **DIAGNOSTICS USING INFORMATION SPECIFIC TO A SUBSYSTEM**  
[54] **DIAGNOSTICS AU MOYEN D'INFORMATION PARTICULIERE A UN SOUS-SYSTEME**  
[72] DEAN, JASON ARTHUR, US  
[72] RODDY, NICHOLAS EDWARD, US  
[72] LONCHER, STEVEN, US  
[71] GENERAL ELECTRIC COMPANY, US  
[22] 2003-10-02  
[41] 2004-04-15  
[30] US (10/271,499) 2002-10-15

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[21] **2,444,630**  
[13] A1

[51] **Int.Cl. 7A61B 17/32 7A61B 5/15**  
[25] EN  
[54] **LANCING DEVICE**  
[54] **MECANISME POUR LANCETTE**  
[72] MILLER, NORMAN S., US  
[72] WHITSON, ROBERT C., US  
[71] BAYER HEALTHCARE LLC, US  
[22] 2003-10-01  
[41] 2004-04-15  
[30] US (60/418,422) 2002-10-15

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[21] **2,444,640**  
[13] A1

[51] **Int.Cl. 7C10M 137/10 7C10M 101/00 7C10M 137/00 7C10M 135/18 7C10M 135/20**  
[25] EN  
[54] **LONG LIFE LUBRICATING OIL COMPOSITION WITH VERY LOW PHOSPHORUS CONTENT**  
[54] **COMPOSITION D'HUILE LUBRIFIANTE A LONGUE DUREE DE VIE ET A TRES FAIBLE TENEUR EN PHOSPHORE**  
[72] CARTWRIGHT, STANLEY JAMES, CA  
[71] EXXONMOBIL RESEARCH AND ENGINEERING COMPANY, US  
[22] 2003-10-10  
[41] 2004-04-15  
[30] US (60/418,606) 2002-10-15  
[30] US (10/666,356) 2003-09-19

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[21] **2,444,647**  
[13] A1

[51] **Int.Cl. 7C08L 27/12 7H01M 8/10 7C08F 14/18 7C08K 5/5317 7H01M 4/86**  
[25] EN  
[54] **HIGH-DURABILITY POLYMER ELECTROLYTE, HIGH-DURABILITY POLYMER ELECTROLYTE COMPOSITE, ELECTRODE, AND FUEL CELL**  
[54] **ELECTROLYTE POLYMER A DURABILITE ELEVEE, COMPOSITE D'ELECTROLYTE POLYMER A DURABILITE ELEVEE, ELECTRODE ET PILE A COMBUSTIBLE**  
[72] TANIGUCHI, TAKUMI, JP  
[72] TAKAMI, MASAYOSHI, JP  
[72] KATO, MANABU, JP  
[71] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP  
[22] 2003-10-10  
[41] 2004-04-11  
[30] JP (2002-298438) 2002-10-11

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[21] **2,444,678**  
[13] A1

[51] **Int.Cl. 7H04M 1/2745**  
[25] EN  
[54] **EXPANDABLE MULTILINE DIALING APPARATUS**  
[54] **APPAREIL DE COMPOSITION MULTILIGNE EXTENSIBLE**  
[72] GILL, KEITH, CA  
[71] GILL, KEITH, CA  
[22] 2003-10-15  
[41] 2004-04-15  
[30] CA (2,407,991) 2002-10-15

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[21] **2,444,646**  
[13] A1

[51] **Int.Cl. 7D21G 9/00 7D21F 7/00**  
[25] EN  
[54] **ARRANGEMENT IN TAIL THREADING IN A MULTINIP CALENDER OF A PAPER MACHINE**  
[54] **MECANISME D'ENGAGEMENT DE POINTE DE CALANDRE A LIGNES DE CONTACT MULTIPLES D'UNE MACHINE A PAPIER**  
[72] LAITIO, JUHA, FI  
[72] KALLIO, ISMO, FI  
[72] LINNONMAA, PEKKA, FI  
[71] METSO PAPER, INC., FI  
[22] 2003-10-10  
[41] 2004-04-16  
[30] FI (20021844) 2002-10-16

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[21] **2,444,708**  
[13] A1

[51] **Int.Cl. 7A47B 91/06 7A47B 91/00**  
[25] EN  
[54] **SELF ADJUSTING FURNITURE GLIDE**  
[54] **GLISSEUR POUR MEUBLES AUTOREGLABLE**  
[72] BUSHEY, RICHARD D., US  
[71] EXPANDED TECHNOLOGIES CORP., US  
[22] 2003-10-15  
[41] 2004-04-16  
[30] US (60/418,962) 2002-10-16

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[21] **2,444,710**  
[13] A1

[51] **Int.Cl. 7B29C 67/04 7B22F 3/105**  
[25] EN  
[54] **LASER-SINTERING POWDER WITH TITANIUM DIOXIDE PARTICLES, PROCESS FOR ITS PREPARATION, AND MOLDINGS PRODUCED FROM THIS LASER-SINTERING POWDER**  
[54] **POUDRE DE FRITTAGE LASER COMPORTANT DES PARTICULES DE DIOXYDE DE TITANE, PROCEDE POUR SA PREPARATION ET MOULAGES OBTENUS AVEC CETTE POUDRE**  
[72] SCHOLTEN, HEINZ, DE  
[72] SCHIFFER, THOMAS, DE  
[72] CHRISTOPH, WOLFGANG, DE  
[72] MONSHEIMER, SYLVIA, DE  
[72] GREBE, MAIK, DE  
[72] BAUMANN, FRANZ-ERICH, DE  
[71] DEGUSSA AG, DE  
[22] 2003-10-15  
[41] 2004-04-17  
[30] DE (102 48 406.6) 2002-10-17

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[21] **2,444,712**  
[13] A1

[51] **Int.Cl. 7C09K 21/14 7C09K 21/02**  
[25] EN  
[54] **FLAME RETARDANT POLYMER COMPOSITION**  
[54] **COMPOSE POLYMERE IGNIFUGE**  
[72] GOKORSCH, HANS, DE  
[72] BRANDL, JOSEF, DE  
[72] PRESCHER, DIETER, DE  
[72] SAUERWEIN, REINER, DE  
[71] NABALTEC - NABWERK ALUMINIUM-HYDROXID TECHNOLOGIE GMBH, DE  
[22] 2003-10-15  
[41] 2004-04-16  
[30] DE (102 48 174.1) 2002-10-16

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[21] **2,444,719**  
[13] A1  
[51] **Int.Cl. 7A23L 3/16 7A61K 38/01  
7C07H 3/04 7A61P 3/08 7A23L 1/305  
7A61P 5/48**  
[25] EN  
[54] **METHOD OF PRODUCTION OF AN  
ISOMALTULOSE-CONTAINING  
ENTERAL NUTRIENT**  
[54] **METHODE DE PRODUCTION  
D'UN NUTRIMENT CONTENANT DE  
L'ISOMALTULOSE POUR  
ALIMENTATION ENTERALE**  
[72] MOSER, MATTHIAS, DE  
[72] KUNZ, MARKWART, DE  
[72] KOWALCZYK, JOERG, DE  
[72] KOZIANOWSKI, GUNHILD, DE  
[71] SUDZUCKER  
AKTIENGESELLSCHAFT MANNHEIM/  
OCHSENFURT, DE  
[22] 2003-10-08  
[41] 2004-04-17  
[30] DE (102 48 515.1) 2002-10-17  
[30] DE (102 51 648.0) 2002-10-30  
[30] DE (103 10 648.0) 2003-03-12

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[21] **2,444,750**  
[13] A1  
[51] **Int.Cl. 7B29C 65/00**  
[25] EN  
[54] **PLANT FOR PRODUCING  
BLOCKS AND PANELS WITH A  
HONEYCOMB STRUCTURE FROM  
THERMOPLASTIC PLASTICS**  
[54] **INSTALLATIONS DE  
FABRICATION DE BLOCS ET DE  
PANNEAUX A STRUCTURE EN NID  
D'ABEILLE EN THERMOPLASTIQUE**  
[72] BERZBACH, DIETMAR, DE  
[71] WT WICKELTECHNIK GMBH, DE  
[22] 2003-10-14  
[41] 2004-04-16  
[30] DE (102 48 177.6) 2002-10-16

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[21] **2,444,755**  
[13] A1  
[51] **Int.Cl. 7B65D 90/10 7B61D 5/00**  
[25] EN  
[54] **SECURITY DEVICE AND METHOD  
TO PREVENT UNAUTHORIZED  
DISCHARGE OF CONTENTS FROM A  
TANK**  
[54] **DISPOSITIF ET METHODE DE  
SURETE EMPECHANT DE  
DECHARGER LE CONTENU D'UN  
RESERVOIR SANS AUTORISATION**  
[72] WOODALL, WADE J., US  
[72] DALRYMPLE, THOMAS H., US  
[71] TRINITY INDUSTRIES, INC., US  
[22] 2003-10-14  
[41] 2004-04-14  
[30] US (60/418,650) 2002-10-14

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[21] **2,444,759**  
[13] A1  
[51] **Int.Cl. 7H02K 16/04 7H02K 29/00**  
[25] EN  
[54] **AXIAL GAP BRUSHLESS DC  
MOTOR**  
[54] **MOTEUR CC SANS BALAIS AVEC  
ENTREFER AXIAL**  
[72] HAUGAN, OYVIN, US  
[72] POORE, BERNARD BRANDT, US  
[71] DEERE & COMPANY, US  
[22] 2003-10-14  
[41] 2004-04-14  
[30] US (10/269,691) 2002-10-14  
[30] US (10/641,773) 2003-08-15

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[21] **2,444,763**  
[13] A1  
[51] **Int.Cl. 7H01M 8/04 7H01M 8/24**  
[25] EN  
[54] **FUEL CELL AND OPERATION  
METHOD THEREOF**  
[54] **PILE A COMBUSTIBLE ET  
METHODE DE FONCTIONNEMENT  
CONNEXE**  
[72] HATOH, KAZUHITO, JP  
[72] OHARA, HIDEO, JP  
[72] KUSAKABE, HIROKI, JP  
[71] MATSUSHITA ELECTRIC  
INDUSTRIAL CO., LTD., JP  
[22] 2003-10-14  
[41] 2004-04-16  
[30] JP (2002-301920) 2002-10-16

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[21] **2,444,767**  
[13] A1  
[51] **Int.Cl. 7E06B 3/48 7E06B 3/50**  
[25] EN  
[54] **HIGH WIND LOAD RESISTANT  
SECTIONAL WOOD OVERHEAD  
DOOR**  
[54] **PORTE VERTICALE EN BOIS A  
SECTIONS RESISTANT AUX FORTES  
SURCHARGES DUES AU VENT**  
[72] BROWN, MIKE, US  
[72] FORSLAND, KENT, US  
[72] GARFIN, TOM, US  
[71] DESIGNER DOORS, INC., US  
[22] 2003-10-14  
[41] 2004-04-11  
[30] US (60/417,844) 2002-10-11

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[21] **2,444,771**  
[13] A1  
[51] **Int.Cl. 7E04B 1/68 7E04F 15/14  
7E04B 1/684**  
[25] EN  
[54] **POSITIONING PROFILE**  
[54] **PROFIL DE POSITIONNEMENT**  
[72] HAGEN, ROBERT, US  
[71] SEALEX, INC., US  
[22] 2003-10-10  
[41] 2004-04-11  
[30] US (60/418,068) 2002-10-11

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[21] **2,444,781**  
[13] A1  
[51] **Int.Cl. 7A61L 26/00 7A61D 7/00  
7A61L 15/26 7A61K 47/34 7A61K 7/40  
7A61L 15/44 7A61K 9/70 7A61K 35/78**  
[25] EN  
[54] **TOPICAL GEL MATRIX**  
[54] **MATRICE DE GEL TOPIQUE**  
[72] COSTA, ANTHONY, CA  
[72] CHOQUET, BENOIT, CA  
[72] GIGUERE, YVAN, CA  
[71] ROLF C. HAGEN INC., CA  
[22] 2003-10-08  
[41] 2004-04-17  
[30] US (60/418,726) 2002-10-17

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**11 avril 2004 - 17 avril 2004**

[21] **2,444,830**  
[13] A1

[51] **Int.Cl. 7A01N 37/02 7A01N 37/00 7A01N 59/00 7A01N 59/06 7A01N 59/14**  
[25] EN  
[54] **CHELATED PLANT MICRONUTRIENTS**  
[54] **MICRONUTRIMENTS VEGETAUX CHELATES**  
[72] MORITZ, RALF-JOHANN, DE  
[72] NAWROCKI, ADAM, PL  
[72] MITSCHKER, ALFRED, DE  
[71] BAYER AKTIENGESELLSCHAFT, DE  
[71] PRZEDSIĘBIORSTWO PRODUKCYJNO-CONSULTINGOWE, PL  
[22] 2003-10-10  
[41] 2004-04-15  
[30] DE (10248022.2) 2002-10-15

[21] **2,444,832**  
[13] A1

[51] **Int.Cl. 7C10G 9/00 7C10G 45/28**  
[25] EN  
[54] **MODIFIED THERMAL PROCESSING OF HEAVY HYDROCARBON FEEDSTOCKS**  
[54] **TRAITEMENT THERMIQUE MODIFIÉ POUR DES MATIÈRES D'ALIMENTATION À BASE D'HYDROCARBURES LOURDS**  
[72] FREEL, BARRY, CA  
[72] KRIZ, JERRY F., CA  
[72] CLARKE, DOUG, CA  
[71] ENSYN GROUP, INC., CA  
[22] 2003-10-10  
[41] 2004-04-11  
[30] US (10/269,538) 2002-10-11  
[30] US (10/419,053) 2003-04-17

[21] **2,444,844**  
[13] A1

[51] **Int.Cl. 7A61L 31/10 7A61M 25/00 7A61F 2/06 7A61L 31/08 7A61B 17/32 7A61B 17/34**  
[25] EN  
[54] **MEDICAL DEVICES HAVING DURABLE AND LUBRICIOUS POLYMERIC COATING**  
[54] **DISPOSITIFS MÉDICAUX À REVÊTEMENT DE POLYMERES DURABLE ET LUBRIFIANT**  
[72] NAWROCKI, JESSE G., US  
[72] JAMIOLKOWSKI, DENNIS D., US  
[71] ETHICON, INC., US  
[22] 2003-10-10  
[41] 2004-04-11  
[30] US (60/418,054) 2002-10-11

[21] **2,444,852**  
[13] A1

[51] **Int.Cl. 7E21B 25/00**  
[25] EN  
[54] **LOCKING SPLIT BARREL SAMPLER AND SOIL SAMPLING SYSTEM**  
[54] **ECHANTILLONNEUR DE SOL À BARIL FENDU À VERROUILLAGE**  
[72] LANGE, JAMES E., US  
[71] DIEDRICH DRILL, INC., US  
[22] 2003-10-15  
[41] 2004-04-16  
[30] US (60/418,849) 2002-10-16

[21] **2,444,863**  
[13] A1

[51] **Int.Cl. 7A47B 31/02**  
[25] EN  
[54] **FOOD SERVICE CART ASSEMBLY**  
[54] **CHARIOT DE SERVICE POUR ALIMENTS**  
[72] BURNS, JOE A., US  
[72] BAUER, MARK D., US  
[72] DORMAN, KENNETH H., US  
[72] BRADY, SEAN J., US  
[72] MURRAY, TIM P., US  
[72] ZHOU, CHUNNAN, US  
[71] ILLINOIS TOOL WORKS INC., US  
[22] 2003-10-15  
[41] 2004-04-17  
[30] US (10/272,706) 2002-10-17

[21] **2,444,922**  
[13] A1

[51] **Int.Cl. 7B01D 63/04**  
[25] EN  
[54] **HOLLOW-FIBER MEMBRANE MODULE**  
[54] **MODULE À FIBRES CREUSES**  
[72] OHTANI, HIROSHI, JP  
[72] NAKAMATSU, OSAMU, JP  
[72] KUMO, ICHIROU, JP  
[71] TORAY INDUSTRIES, INC., JP  
[22] 2003-10-15  
[41] 2004-04-16  
[30] JP (2002-301530) 2002-10-16

[21] **2,444,925**  
[13] A1

[51] **Int.Cl. 7D21H 23/46 7B05C 5/00**  
[25] EN  
[54] **PROCESS FOR MAKING COATED PAPER OR PAPERBOARD**  
[54] **PROCEDE POUR LA FABRICATION DE PAPIER COUCHE OU DE CARTON**  
[72] ATTAL, JAMEL F., US  
[72] ROPER, JOHN A., III, US  
[72] SALMINEN, J. PEKKA, CH  
[72] URSCHELER, ROBERT, CH  
[71] DOW GLOBAL TECHNOLOGIES INC., US  
[22] 2003-10-15  
[41] 2004-04-15  
[30] US (PCT/US02/33114) 2002-10-15

[21] **2,444,936**  
[13] A1

[51] **Int.Cl. 7D21H 23/70 7B05C 5/00 7B05D 3/06 7D21H 23/46**  
[25] EN  
[54] **A METHOD OF PRODUCING A COATED SUBSTRATE**  
[54] **METHODE DE PRODUCTION DE SUBSTRAT ENDUIT**  
[72] URSCHELER, ROBERT, CH  
[72] SALMINEN, PEKKA J., CH  
[72] ROPER, JOHN A., III, US  
[72] DOBLER, FRANCIS, CH  
[71] DOW GLOBAL TECHNOLOGIES INC., US  
[22] 2003-10-15  
[41] 2004-04-15  
[30] US (PCT/US02/33113) 2002-10-15

[21] **2,444,937**  
[13] A1

[51] **Int.Cl. 7C11D 3/02 7C11D 3/395**  
[25] EN  
[54] **ALKALINE CLEANING COMPOSITION WITH INCREASED CHLORINE STABILITY**  
[54] **COMPOSITION DE NETTOYAGE ALCALINE AYANT UNE MEILLEURE STABILITE DU CHLORE**  
[72] MAN, VICTOR FUK-PONG, US  
[72] LENTSCH, STEVEN EUGENE, US  
[72] KIEFFER, JANEL MARIE, US  
[71] ECOLAB INC., US  
[22] 2003-10-09  
[41] 2004-04-15  
[30] US (10/271,871) 2002-10-15



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[21] **2,444,944**  
[13] A1  
[51] **Int.Cl. 7F01P 3/20 7B63H 20/00 7F01P 3/02**  
[25] EN  
[54] **WATER-COOLED VERTICAL ENGINE AND OUTBOARD MOTOR EQUIPPED THEREWITH**  
[54] **MOTEUR HORS-BORD VERTICAL EQUIPE D'UN CIRCUIT DE REFROIDISSEMENT PAR EAU**  
[72] KURODA, TATSUYA, JP  
[72] TAWA, HIROKI, JP  
[71] HONDA MOTOR CO., LTD., JP  
[22] 2003-10-09  
[41] 2004-04-11  
[30] JP (2002-299001) 2002-10-11

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[21] **2,444,988**  
[13] A1  
[51] **Int.Cl. 7A61M 5/31 7A61M 5/32**  
[25] EN  
[54] **RETRACTABLE SAFETY SYRINGE WITH A SOFT PISTON**  
[54] **SERINGUE DE SURETE RETRACTABLE A PISTON MOU**  
[72] WU, PENG-CHIEH, TW  
[71] LIFE-SHIELD PRODUCTS, INC., TW  
[22] 2003-10-03  
[41] 2004-04-16  
[30] TW (91216494) 2002-10-16

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[21] **2,445,019**  
[13] A1  
[51] **Int.Cl. 7E04G 1/24 7E04G 5/00 7E04G 1/26**  
[25] EN  
[54] **MOBILE SCAFFOLDING BRAKE**  
[54] **FREIN D'ECHAFAUDAGE MOBILE**  
[72] WYSE, JAMES L., US  
[72] WYSE, STEVEN J., US  
[71] WYSE, JAMES L., US  
[71] WYSE, STEVEN J., US  
[22] 2003-10-10  
[41] 2004-04-15  
[30] US (10/271,634) 2002-10-15

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[21] **2,445,032**  
[13] A1  
[51] **Int.Cl. 7G06F 17/00 7F28F 27/00 7G01M 17/00 7B60S 5/00 7G06F 17/40**  
[25] EN  
[54] **A SYSTEM AND METHOD FOR MONITORING THE CONDITION OF A HEAT EXCHANGE UNIT**  
[54] **SYSTEME ET METHODE DE CONTROLE DE L'ETAT D'UN ECHANGEUR THERMIQUE**  
[72] KUMAR, MANOJ P., IN  
[72] ESCOBAR, DARIO PATRICIO, US  
[72] HANDLER, LAURENCE RICHARD, US  
[72] CRYER, ROBERT DOUGLAS, US  
[72] STEWART, LANCE THOMAS, US  
[72] WAUGAMAN, CHARLES JOSEPH, US

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[72] DANIEL, CECIL M., US  
[71] GENERAL ELECTRIC COMPANY, US  
[22] 2003-10-09  
[41] 2004-04-16  
[30] US (10/271,514) 2002-10-16

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[21] **2,445,037**  
[13] A1  
[51] **Int.Cl. 7H01M 2/14 7H01M 8/04 7H01M 2/16 7H01M 8/24**  
[25] EN  
[54] **SEPARATOR PLATE FOR POLYMER ELECTROLYTE FUEL CELL AND POLYMER ELECTROLYTE FUEL CELL USING THE SAME**  
[54] **PLAQUE D'INTERCONNEXION POUR PILE A COMBUSTIBLE A ELECTROLYTE POLYMER ET PILE A COMBUSTIBLE A ELECTROLYTE POLYMERE UTILISANT LADITE PLAQUE**  
[72] HASE, NOBUHIRO, JP  
[72] MATSUMOTO, TOSHIHIRO, JP  
[72] URATA, TAKAYUKI, JP  
[72] KUSAKABE, HIROKI, JP  
[72] KOKAWA, KATSUZOU, JP  
[72] OHARA, HIDEO, JP  
[72] SHIBATA, SOICHI, JP  
[72] TAKEGUCHI, SHINSUKE, JP  
[72] HATOH, KAZUHITO, JP  
[71] MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD., JP  
[22] 2003-10-14  
[41] 2004-04-16  
[30] JP (2002-301811) 2002-10-16

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[21] **2,445,064**  
[13] A1  
[51] **Int.Cl. 7F01P 3/12 7B63H 20/24 7B63H 21/38**  
[25] EN  
[54] **OUTBOARD MOTOR EQUIPPED WITH WATER-COOLED ENGINE**  
[54] **MOTEUR HORS-BORD EQUIPE D'UN CIRCUIT DE REFROIDISSEMENT A EAU**  
[72] KURODA, TATSUYA, JP  
[72] TAWA, HIROKI, JP  
[71] HONDA MOTOR CO., LTD., JP  
[22] 2003-10-09  
[41] 2004-04-11  
[30] JP (2002-299002) 2002-10-11

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[21] **2,445,070**  
[13] A1  
[51] **Int.Cl. 7A47G 1/12 7B44C 5/04**  
[25] EN  
[54] **SPORTS MEMORABILIA APPARATUS**  
[54] **APPAREIL POUR SOUVENIR DE SPORT**  
[72] RATMANSKY, JOEL DAVID, US  
[72] RATMANSKY, PAUL PHILLIP, US  
[71] RATMANSKY, JOEL DAVID, US  
[71] RATMANSKY, PAUL PHILLIP, US  
[22] 2003-10-10  
[41] 2004-04-11  
[30] US (60/417,759) 2002-10-11

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[21] **2,445,092**  
[13] A1  
[51] **Int.Cl. 7A47F 5/00 7A47B 96/00**  
[25] EN  
[54] **DISPLAY ASSEMBLY**  
[54] **PRESENTOIR**  
[72] VARDARO, ENZO, CA  
[72] VARDARO, ANTONIO, CA  
[71] ARTITALIA INC., CA  
[22] 2003-10-14  
[41] 2004-04-11  
[30] CA (2,407,782) 2002-10-11

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[21] **2,445,126**  
[13] A1

[51] **Int.Cl. 7E21B 43/08**  
[25] EN  
[54] **EXPANDABLE SYSTEMS THAT FACILITATE DESIRED FLUID FLOW**  
[54] **SYSTEMES EXPANSIBLES AMELIORANT LE DEBIT VOULU**  
[72] SHAMPINE, ROD W., US  
[72] DELCAMPO, CHRISTOPHER S., US  
[72] VERCAEMER, CLAUDE J., FR  
[72] RASA, KIAN, US  
[72] HACKWORTH, MATTHEW R., US  
[72] SCHOONDERBEEK, GERHARD, GB  
[72] JOHNSON, CRAIG D., GB  
[71] SCHLUMBERGER CANADA LIMITED, CA  
[22] 2003-10-14  
[41] 2004-04-15  
[30] US (60/400,162) 2002-10-15  
[30] US (10/632,174) 2003-07-13

[21] **2,445,128**  
[13] A1

[51] **Int.Cl. 7H01M 8/06**  
[25] EN  
[54] **EXHAUST GAS PROCESSING DEVICE FOR FUEL CELL**  
[54] **DISPOSITIF DE TRAITEMENT DE GAZ D'ECHAPPEMENT DE PILES A COMBUSTIBLE**  
[72] NUMATA, HIDEO, JP  
[72] KANAI, YASUSHI, JP  
[72] YAMAMOTO, AKIO, JP  
[71] HONDA MOTOR CO., LTD., JP  
[22] 2003-10-16  
[41] 2004-04-17  
[30] JP (2002-302739) 2002-10-17  
[30] JP (2003-071221) 2003-03-17

[21] **2,445,137**  
[13] A1

[51] **Int.Cl. 7G06T 5/00 7A61B 8/14 7G06T 5/50 7G06T 7/60**  
[25] EN  
[54] **IMAGE PROCESSING APPARATUS, METHOD AND PROGRAM**  
[54] **APPAREIL, METHODE ET PROGRAMME DE TRAITEMENT D'IMAGE**  
[72] OHMIYA, JUN, JP  
[71] MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD., JP  
[22] 2003-10-14  
[41] 2004-04-15  
[30] JP (2002-300397) 2002-10-15

[21] **2,445,141**  
[13] A1

[51] **Int.Cl. 7H01K 1/46 7H01K 7/06**  
[25] EN  
[54] **DECORATIVE LOW-POWER ILLUMINATION APPARATUS**  
[54] **APPAREIL D'ECLAIRAGE DECORATIF A FAIBLE PUISSANCE**  
[72] PAQUETTE, JAMES G., US  
[72] MACLEAN-BLEVINS MARK, US  
[71] PAQUETTE, JAMES G., US  
[71] MACLEAN-BLEVINS MARK, US  
[22] 2003-10-14  
[41] 2004-04-16  
[30] US (10/270,635) 2002-10-16

[21] **2,445,167**  
[13] A1

[51] **Int.Cl. 7B60P 3/345 7B61D 17/22 7B60P 3/35**  
[25] EN  
[54] **ARTICULATED PICKUP TRUCK CAMPER/TRAILER**  
[54] **CAMPEUSE-REMORQUE ARTICULEE DE CAMIONNETTE**  
[72] CALL, DAVID B., US  
[71] CALL, DAVID B., US  
[22] 2003-10-16  
[41] 2004-04-17  
[30] US (10/273,798) 2002-10-17

[21] **2,445,174**  
[13] A1

[51] **Int.Cl. 7A63C 17/06 7A63C 17/02 7A63C 17/14**  
[25] EN  
[54] **OFF-ROAD IN-LINE TWO WHEELED SKATEBOARD**  
[54] **PLANCHE A DEUX ROULETTES ALIGNEES TOUT TERRAIN**  
[72] LEWIS, MICHAEL G., CA  
[71] LEWIS, MICHAEL G., CA  
[22] 2003-10-16  
[41] 2004-04-17  
[30] US (60/418,710) 2002-10-17

[21] **2,445,198**  
[13] A1

[51] **Int.Cl. 7A61H 33/00 7G08C 23/04**  
[25] EN  
[54] **SPA PANEL WITH INFRARED RECEIVER**  
[54] **PANNEAU DE CUVE THERMALE AVEC RECEPTEUR INFRAROUGE**  
[72] LAFLAMME, BENOIT, CA  
[72] BOUDREAU, MICHEL, CA  
[72] BROCHU, CHRISTIAN, CA  
[71] 9090-3493 QUEBEC INC., CA  
[22] 2003-10-10  
[41] 2004-04-17  
[30] US (10/272,793) 2002-10-17

[21] **2,445,199**  
[13] A1

[51] **Int.Cl. 7G06F 17/60**  
[25] EN  
[54] **METHOD AND SYSTEM FOR DONATION DECISION SUPPORT**  
[54] **METHODE ET SYSTEME D'AIDE A LA DECISION DE DON**  
[72] QUINN, CANDACE L., US  
[72] GOLDSMITH, THOMAS L., US  
[71] QUINN, CANDACE L., US  
[71] GOLDSMITH, THOMAS L., US  
[22] 2003-10-16  
[41] 2004-04-16  
[30] US (60/419,291) 2002-10-16

[21] **2,445,204**  
[13] A1

[51] **Int.Cl. 7C12N 5/02 7C12Q 1/02 7G01N 15/14 7C12M 1/24 7G01N 21/64**  
[25] EN  
[54] **METHOD AND DEVICE FOR COLLECTING AND PRESERVING CELLS FOR ANALYSIS**  
[54] **METHODE ET DISPOSITIF DE PRELEVEMENT ET DE CONSERVATION DE CELLULES AUX FINS D'ANALYSE**  
[72] RYAN, WAYNE L., US  
[71] STRECK LABORATORIES, INC., US  
[22] 2003-10-16  
[41] 2004-04-16  
[30] US (60/418,978) 2002-10-16

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[21] **2,445,211**  
[13] A1  
[51] **Int.Cl. 7C08F 220/20 7C08J 5/00 7C08F 220/06 7G01N 30/16 7G01N 1/40**  
[25] EN  
[54] **COPOLYMER, AND ADSORBENT OR CONCENTRATING MEDIUM AND NEEDLE FOR SOLID PHASE MICROEXTRACTION PREPARED USING THE COPOLYMER**  
[54] **COPOLYMERE, ET ADSORBANT OU MILIEU DE CONCENTRATION ET AIGUILLE POUR LA MICROEXTRACTION EN PHASE SOLIDE PREPARES A L'AIDE DUDIT COPOLYMERE**  
[72] JINNO, KIYOKATSU, JP  
[72] SAITO, YOSHIHIRO, JP  
[72] WADA, HIROO, JP  
[72] KOTERA, KENZO, JP  
[72] MATSUURA, HISASHI, JP  
[71] SHINWA CHEMICAL INDUSTRIES, LTD., JP  
[22] 2003-10-16  
[41] 2004-04-16  
[30] JP (2002-302014) 2002-10-16

[21] **2,445,222**  
[13] A1  
[51] **Int.Cl. 7C08F 293/00 7C08J 5/00 7H01M 8/00 7C08F 216/12 7C08J 5/22**  
[25] EN  
[54] **BLOCK COPOLYMER AND USE THEREOF**  
[54] **COPOLYMERE SEQUENCE ET SON UTILISATION**  
[72] YASHIKI, DAIZABURO, JP  
[72] TERAHARA, AISUSHI, JP  
[71] SUMITOMO CHEMICAL COMPANY, LIMITED, JP  
[22] 2003-10-10  
[41] 2004-04-15  
[30] JP (2002-300083) 2002-10-15

[21] **2,445,223**  
[13] A1  
[51] **Int.Cl. 7B60D 1/155**  
[25] EN  
[54] **TRAILER COUPLER ASSEMBLY**  
[54] **ATTELAGE DE REMORQUE**  
[72] ROLL, MICHAEL J., US  
[72] TROWBRIDGE, TODD A., US  
[72] WALSTROM, TODD R., US  
[71] CEQUENT TRAILER PRODUCTS, INC., US  
[22] 2003-10-16  
[41] 2004-04-16  
[30] US (60/418,695) 2002-10-16

[21] **2,445,224**  
[13] A1  
[51] **Int.Cl. 7B29C 45/03 7B29C 45/17**  
[25] EN  
[54] **INJECTION MOLDING APPARATUS AND LINEAR ACTUATOR WITH POSITION SENSOR THEREFOR**  
[54] **APPAREIL DE MOULAGE PAR INJECTION ET ACTIONNEUR LINERAIRE AVEC DETECTEUR DE POSITION CONNEXE**  
[72] HAGELSTEIN, HANS, DE  
[72] SCHUNCK, RALPH, DE  
[71] MOLD-MASTERS LIMITED, CA  
[22] 2003-10-10  
[41] 2004-04-11  
[30] DE (102 47 574.1) 2002-10-11

[21] **2,445,226**  
[13] A1  
[51] **Int.Cl. 7C09J 175/04**  
[25] EN  
[54] **TWO-PART POLYURETHANE ADHESIVE FOR BONDING INSULATION BOARDS TO A ROOF DECK**  
[54] **ADHESIF EN DEUX PARTIES A BASE DE POLYURETHANE POUR COLLER DES PANNEAUX D'ISOLATION SUR UN PLANCHER-TERRASSE**  
[72] FIELDHOUSE, JOHN W., US  
[72] KALWARA, JOSEPH J., US  
[72] KANE, EDWARD G., US  
[72] LETTS, JOHN B., US  
[71] BFS DIVERSIFIED PRODUCTS, LLC, US  
[22] 2003-10-10  
[41] 2004-04-11  
[30] US (60/418,152) 2002-10-11

[21] **2,445,228**  
[13] A1  
[51] **Int.Cl. 7B65G 57/03 7B65H 29/00 7B65G 57/16 7B65H 31/36**  
[25] EN  
[54] **BLANK SUPPORT DEVICE**  
[54] **DISPOSITIF PORTE-EBAUCHE**  
[72] SCHNURR, CARL, CA  
[71] HONDA MOTOR CO., LTD., JP  
[22] 2003-10-16  
[41] 2004-04-17  
[30] US (60/419,334) 2002-10-17

[21] **2,445,234**  
[13] A1  
[51] **Int.Cl. 7A61J 1/00 7A61J 1/03 7A61J 7/04**  
[25] EN  
[54] **PRODUCT PACKAGING MATERIAL FOR INDIVIDUAL TEMPORARY STORAGE OF PHARMACEUTICAL PRODUCTS**  
[54] **MATERIAU D'EMBALLAGE POUR LA CONSERVATION INDIVIDUELLE TEMPORAIRE DE PRODUITS PHARMACEUTIQUES**  
[72] SIEGEL, TODD, US  
[71] MEDICAL TECHNOLOGY SYSTEMS, INC., US  
[22] 2003-10-10  
[41] 2004-04-11  
[30] US (10/269,462) 2002-10-11

[21] **2,445,238**  
[13] A1  
[51] **Int.Cl. 7C04B 18/06 7C04B 18/10**  
[25] EN  
[54] **CARBON REMOVAL THROUGH PARTIAL CARBON BURN-OUT FROM COAL ASH USED IN CONCRETE**  
[54] **ENLEVEMENT DE CARBONE AU MOYEN DE LA COMBUSTION PARTIELLE DU CARBONE DE LA CENDRE DE HOUILLE UTILISEE DANS LE BETON**  
[72] ZACARIAS, PHILIP SOUZA, CA  
[72] OATES, DAVID BRIDSON, CA  
[71] LAFARGE CANADA INC., CA  
[22] 2003-10-10  
[41] 2004-04-15  
[30] US (10/272,671) 2002-10-15

[21] **2,445,242**  
[13] A1  
[51] **Int.Cl. 7A47L 9/10 7A47L 9/02**  
[25] EN  
[54] **VACUUM CLEANER EQUIPPED WITH DIRT CUP AND SEPARATE FILTER DRAWER**  
[54] **ASPIRATEUR EQUIPE D'UN VIDE-POUSSIERE ET D'UN TIROIR A FILTRE DISTINCT**  
[72] OVERVAAG, CHAD D., US  
[71] MATSUSHITA ELECTRIC CORPORATION OF AMERICA, US  
[22] 2003-10-10  
[41] 2004-04-11  
[30] US (60/417,790) 2002-10-11

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[21] **2,445,351**  
[13] A1

[51] **Int.Cl. 7A47J 19/00 7B30B 9/00**  
**7A23N 1/00 7A47J 19/04**  
[25] EN  
[54] **FOOD PRESS WITH PIVOTAL STRAINER PLATE**  
[54] **PRESSE ALIMENTAIRE A GRILLE ARTICULEE**  
[72] CANIZARES, WILFRIDO LOOR, US  
[72] KONTOROVICH, BORIS, US  
[71] WKI HOLDING COMPANY, INC., US  
[22] 2003-10-16  
[41] 2004-04-17  
[30] US (10/273,163) 2002-10-17

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[21] **2,445,550**  
[13] A1

[51] **Int.Cl. 7B65D 69/00**  
[25] EN  
[54] **METHOD AND APPARATUS FOR STACKING CANS**  
[54] **METHODE ET DISPOSITIF D'EMPILAGE DE BOITES METALLIQUES**  
[72] MANN, JOHN DAVID, CA  
[71] MANN, JOHN DAVID, CA  
[22] 2003-10-17  
[41] 2004-04-17  
[30] US (60/419,160) 2002-10-17

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[21] **2,451,382**  
[13] A1

[51] **Int.Cl. 7B42F 13/16**  
[25] EN  
[54] **BINDER WITH SPINE STORAGE COMPARTMENT**  
[54] **RELIURE A DOS A COMPARTIMENT DE RANGEMENT**  
[72] UNKNOWN, ZZ  
[71] MEADWESTVACO CORPORATION, ZZ  
[22] 2003-11-28  
[41] 2004-04-16  
[30] US (UNKNOWN) 2003-11-19

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[21] **2,445,413**  
[13] A1

[51] **Int.Cl. 7G06F 12/14 7G06F 1/16**  
**7H04Q 7/32**  
[25] EN  
[54] **SYSTEM AND METHOD OF SECURITY FUNCTION ACTIVATION FOR A MOBILE ELECTRONIC DEVICE**  
[54] **SYSTEME ET METHODE D'ACTIVATION DE LA FONCTION DE SECURITE D'UN DISPOSITIF ELECTRONIQUE MOBILE**  
[72] TOTZKE, SCOTT W., CA  
[72] LITTLE, HERBERT A., CA  
[72] ADAMS, NEIL P., CA  
[71] RESEARCH IN MOTION LIMITED, CA  
[22] 2003-10-17  
[41] 2004-04-17  
[30] US (60/418,709) 2002-10-17

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[21] **2,445,609**  
[13] A1

[51] **Int.Cl. 7E03F 1/00**  
[25] EN  
[54] **METHODS AND MODULES FOR AN UNDERGROUND ASSEMBLY FOR STORM WATER RETENTION OR DETENTION**  
[54] **METHODES ET MODULES DE SYSTEME SOUTERRAIN DE STOCKAGE OU DE RETENUE DES EAUX PLUVIALES**  
[72] BURKHART, BURKHART J., US  
[71] BURKHART, BURKHART J., US  
[22] 2003-10-17  
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[54] **BINDER POCKET WITH UNITARY TAB**  
[54] **POCHETTE DE RELIURE A ONGLET SIMPLE**  
[72] UNKNOWN, ZZ  
[71] MEADWESTVACO CORPORATION, ZZ  
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[30] US (UNKNOWN) 2003-11-12

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[51] **Int.Cl. 7F16F 9/50 7F16F 13/00 7E05F**  
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[54] **LOCKING STRUT**  
[54] **JAMBE DE VERROUILLAGE**  
[72] CLELAND, TERRY P., CA  
[72] STANIEWICZ, ZBYSLAW, CA  
[72] SPICER, GARY, CA  
[72] HAMERS, GERALD J., CA  
[71] LITENS AUTOMOTIVE, CA  
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[51] **Int.Cl. 7G02B 27/22**  
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[54] **METHOD AND APPARATUS FOR REFRACTIVE AND REFLECTIVE POLYSTEREOSCOPIC IMAGING**  
[54] **METHODE ET APPAREIL D'IMAGERIE POLYSTEREOSCOPIQUE PAR REFRACTION ET PAR REFLEXION**  
[72] STAVRICA, OVID, US  
[71] WAMEDES, INC., US  
[22] 2003-10-15  
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[72] O'HARA, KATE, US  
[71] MEADWESTVACO CORPORATION, ZZ  
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[51] **Int.Cl. 7H04Q 7/20 7H04Q 7/22  
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[54] **METHODS & SYSTEMS FOR  
EMBEDDING ISLAMIC  
APPLICATIONS IN THE MOBILE  
PHONE AND MOBILE NETWORK  
"MOBILE PHONE WITH ISLAMIC  
SERVICES ENABLED"**

[54] **METHODES ET SYSTEMES POUR  
INTEGRER DES APPLICATIONS  
ISLAMIQUES AU TELEPHONE  
MOBILE ET AU RESEAU DE  
TELEPHONE MOBILE A SERVICES  
ISLAMIQUES ACTIVES**

[72] SKOUTI, LOAI, CA

[71] CHAFIK, BASIM, CA

[22] 2003-12-29

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[72] DUPUIS, MICHEL, CA

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[25] EN

[54] **PROCESS FOR THE PREPARATION OF 2,4-DIDEOXYHEXOSES AND 2,4,6-TRIDEOXYHEXOSES**

[54] **PROCEDE PERMETTANT LA PREPARATION DE 2,4-DIDESOXYHEXOSES ET DE 2,4,6-TRIDESOXYHEXOSES**

[72] PANKE, SVEN, CH

[72] MINK, DANIEL, BE

[72] LOMMEN, FRANCISCUS ALPHONS MARIE, NL

[72] KIERKELS, JOANNES GERARDUS THEODORUS, NL

[72] HEEMSKERK, DENNIS, NL

[71] DSM IP ASSETS N.V., NL

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[54] **A BUILDING PANEL AND PANEL CRIMPING MACHINE**

[54] **PANNEAU DE CONSTRUCTION ET ONDULEUR DE PANNEAUX**

[72] MORELLO, FREDERICK, US

[72] YAGODICH, MATTHEW J., US

[71] M.I.C. INDUSTRIES, INC., US

[85] 2003-12-02

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7F02P 5/15 7F01N 3/24

[25] EN

[54] **AIR-FUEL RATIO CONTROLLER OF INTERNAL COMBUSTION ENGINE**

[54] **DISPOSITIF DE COMMANDE DU RAPPORT AIR-COMBUSTIBLE DANS UN MOTEUR A COMBUSTION INTERNE**

[72] KOJIMA, SHINJI, JP

[72] BABA, NAOKI, JP

[72] UCHIDA, TAKAHIRO, JP

[72] KATO, NAOTO, JP

[72] SAWADA, HIROSHI, JP

[72] KURODA, YUKIO, JP

[72] KUZE, YASUHIRO, JP

[72] KATAYAMA, AKIHIRO, JP

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[71] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP

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[54] **SYSTEM AND METHOD FOR COLLABORATIVE HANDWRITING INPUT**

[54] **SYSTEME ET PROCEDE COOPERANTS DE CAPTURE D'ECRITURE MANUELLE**

[72] KUMAKI, ATSUSHI, JP

[72] SU, HUI, CN

[72] NAITOH, ARIMASA, JP

[72] WANG, JINGTAO, CN

[71] INTERNATIONAL BUSINESS MACHINES CORPORATION, US

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[25] EN

[54] **METHOD FOR DETECTING CLOSTRIDIUM BOTULINUM NEUROTOXIN SEROTYPES A, B, E AND F IN A SAMPLE**

[54] **PROCEDE PERMETTANT DE DETECTER DES SEROTYPES A, B, E, ET F DE NEUROTOXINES DE CLOSTRIDIUM BOTULINUM DANS UN ECHANTILLON**

[72] POLI, MARK A., US

[72] RIVERA, VICTOR R., US

[71] U.S. MEDICAL RESEARCH INSTITUTE OF INFECTIOUS DISEASES, US

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[54] **METHODOLOGIE DE LOCALISATION RENFORCEE POUR SYSTEME DE LOCALISATION**

[72] JOHNSON, MARK J., US

[71] MOTOROLA, INC., US

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[71] BHP BILLITON SA LIMITED, ZA  
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[54] **APPARATUS AND METHOD FOR MIXING SPECIMENS IN VIALS**  
[54] **APPAREIL ET PROCEDE DE MELANGE DE PRELEVEMENTS DANS DES FIOLES**  
[72] MAYER, WILLIAM J., US  
[71] MONOGEN, INC., US  
[85] 2003-12-31  
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[25] EN  
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[54] **PARE-SOLEIL EQUIPE D'UN BRAS CONDUCTEUR, POUR VEHICULES**  
[72] GARCIA GARCIA, RAFAEL, ES  
[71] GRUPO ANTOLIN-INGENIERIA, S.A., ES  
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[54] **METHOD AND APPARATUS FOR REAL TIME TESTING OF DTV ANTENNA TRANSMITTING SYSTEMS IN TIME DOMAIN UNDER FULL POWER**  
[54] **PROCEDE ET APPAREIL POUR TESTER EN TEMPS REEL DES SYSTEMES DE TRANSMISSION D'ANTENNE DE TELEVISION NUMERIQUE DANS LE DOMAINE TEMPS A LA PUISSANCE MAXIMALE**  
[72] SKALINA, ANDRE J., US  
[71] SPX CORPORATION, US  
[85] 2003-12-31  
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[54] **REACTEUR ET DECANTEUR A SOLIDES DE TRAITEMENT DES EAUX MENAGERES**  
[72] VUONG, DINH-CUONG, US  
[71] TEXACO DEVELOPMENT CORPORATION, US  
[85] 2003-12-31  
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[54] **POWER WHEEL FOR A TRAILER TONGUE JACK**  
[54] **ROUE MECANIQUE POUR CRIC DE LEVAGE, DESTINEE A UNE FOURCHE D'ATELAGE DE REMORQUE**  
[72] FINE, BOYCE, US  
[71] FINE, BOYCE, US  
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[72] UNNO, KEIZO, JP  
[71] INSTITUTE OF TECHNOLOGY PRECISION ELECTRICAL DISCHARGE WORK'S, JP  
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[54] **EMBRAYAGE DE STORE A ENROULEMENT AUTOMATIQUE, DOTE D'UN ENGRENAGE INTERNE**  
[72] FRACZEK, RICHARD, US  
[72] BALTA, MARTIN M., US  
[72] CROSS, DAVID M., US  
[71] ROLLESE, INC., US  
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[54] **ANTICORPS DIRIGES CONTRE VEGFR-1 POUR TRAITER LE CANCER DU SEIN**  
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[72] RAFII, SHAHIN, US  
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[71] IMCLONE SYSTEMS INCORPORATED, US  
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[25] EN  
[54] **ELECTRICAL FIELD**  
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**CELLS**  
[54] **STIMULATION DU CHAMP**  
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[72] AUGUSTINE, PAUL R., US  
[72] MCMANUS, OWEN B., US  
[72] KATH, GARY S., US  
[72] BENNETT, PAUL B., US  
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[71] MERCK & CO., INC., US  
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[54] **REACTIONS MULTIPLEX**  
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[72] OLIPHANT, ARNOLD, US  
[72] STUELPNAGEL, JOHN R., US  
[72] CHEE, MARK S., US  
[72] BUTLER, SCOTT, US  
[72] FAN, JIAN-BING, US  
[72] KUHN, KENNETH M., US  
[72] SHEN, MIN-JUI RICHARD, US  
[71] ILLUMINA, INC, US  
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[54] **TETRAHYDROQUINOXALINES**  
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**ANTAGONISTS**  
[54] **TETRAHYDROCHINOXALINES**  
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[72] KALLUS, CHRISTOPHER, DE  
[72] BEYREUTHER, BETTINA, DE  
[72] HAHN, MICHAEL, DE  
[72] MEIER, HEINRICH, DE  
[72] KRUEGER, JOACHIM, DE  
[72] KROLL, MATHIAS, DE  
[72] REISSMUELLER, ELKE, DE  
[72] TELAN, LEILA, DE  
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[54] **CARBAMATE COMPOUNDS FOR**  
**USE IN PREVENTING OR TREATING**  
**NEUROPATHIC PAIN AND CLUSTER**  
**AND MIGRAINE HEADACHE-**  
**ASSOCIATED PAIN**  
[54] **COMPOSES DE CARBAMATE**  
**DESTINE A ETRE UTILISES DANS LA**  
**PREVENTION OU LE TRAITEMENT**  
**DE LA DOULEUR NEUROPATHIQUE**  
**ET DE LA DOULEUR ASSOCIEE A LA**  
**CEPHALEE VASCULAIRE DE**  
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[72] ZHAO, BOYU, US  
[72] CODD, ELLEN E., US  
[72] PLATA-SALAMAN, CARLOS R., US  
[71] ORTHO-MCNEIL  
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[30] US (60/305,687) 2001-07-16  
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[72] BECKER, FRANZ JOSEF, DE  
[72] UERLINGS, VIKTOR, DE  
[71] M-REAL ZANDERS GMBH, DE  
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[51] **Int.Cl. 7A61M 5/30**  
[25] EN  
[54] **PARTICLE CASSETTE, METHOD**  
**AND KIT THEREFOR**  
[54] **CASSETTE DE PARTICULES,**  
**PROCEDE ET DISPOSITIF**  
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[72] FORD, GRAHAM, GB  
[72] KENDALL, MARK ANTHONY  
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[72] WATSON, JOHN, AU  
[72] SMITH, EDWARD ROBERT, GB  
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[51] **Int.Cl. 7C07H 21/00 7G06F 19/00**  
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[25] EN  
[54] **METHOD FOR ASSEMBLY OF A**  
**POLYNUCLEOTIDE ENCODING A**  
**TARGET POLYPEPTIDE**  
[54] **METHODE POUR PRODUIRE UN**  
**POLYNUCLEOTIDE ENCODANT UN**  
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[71] EGEA BIOSCIENCES, INC., US  
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[25] EN  
[54] **IMMUNOAFFINITY ISOLATION**  
**OF MODIFIED PEPTIDES FROM**  
**COMPLEX MIXTURES**  
[54] **ISOLATION PAR**  
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[72] TAN, YI, US  
[72] COMB, MICHAEL J., US  
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[72] ZHANG, HUI, US  
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[51] **Int.Cl. 7B27L 1/04**  
[25] EN  
[54] **METHOD FOR DEBARKING IN A**  
**DRUM, AND SEPARATION OF BARK**  
**FROM A LOG FLOW**  
[54] **PROCEDE D'ECORCAGE DANS**  
**UN TAMBOUR ET SEPARATION DE**  
**L'ECORCE D'UN FLUX DE GRUMES**  
[72] TOHKALA, ANTTI, FI  
[71] METSO PAPER, INC., FI  
[85] 2004-01-21  
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[51] **Int.Cl. 7C12N 15/10 7A61K 45/00**  
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[25] EN  
[54] **NOVEL TRANSFORMED CELLS,**  
**METHOD OF SCREENING ANTIAGING**  
**AGENT AND ANTIAGING AGENTS**  
[54] **NOUVELLES CELLULES**  
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[54] **RECEPTOR, THE USE THEREOF,**  
**AND MOUSE ANTIBODIES**  
[54] **RECEPTEUR, SON UTILISATION,**  
**ET ANTICORPS DE SOURIS**  
[72] MULLER-HERMELINK, HANS  
KONRAD, DE  
[72] VOLLMERS, HEINZ PETER, DE  
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[51] **Int.Cl. 7G01N 27/26 7G01N 21/01**  
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[25] EN  
[54] **OPTICAL WAVEGUIDE AND**  
**PLATE FOR ELECTROPHORSIS**  
**APPARATUS**  
[54] **APPAREIL D'ELECTROPHORESE**  
**ET PLAQUE CORRESPONDANTE**  
[72] SHAPIRO, MENACHEM, IL  
[72] WEISSMAN, ZEEV, IL  
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**SPOKED WHEEL FOR MOTOR**  
**VEHICLES CONSTRUCTED FROM**  
**SHEET-STEEL**  
[54] **ROUE, EN PARTICULIER ROUE A**  
**RAYONS CONSTITUEE DE TOLE**  
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[72] STACH, JENS, DE  
[72] BLUEMEL, KLAUS, DE  
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**BOARDS**  
[54] **APPAREIL DE TRI DE PANNEAUX**  
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[71] C. GUNNARSSONS VERKSTADS  
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[54] **FAN IDLER PULLEY**  
[54] **POULIE DE RENVOI DE VENTILATEUR**  
[72] HODJAT, YAHYA, US  
[72] TRAN, HAO, CA  
[72] OZORAK, MICHEL, CA  
[72] CADARETTE, MARC, CA  
[71] THE GATES CORPORATION, US  
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[25] EN  
[54] **COLOR FILTER AND LIQUID CRYSTAL DISPLAY DEVICE USING THE COLOR FILTER, AND THEIR MANUFACTURING METHODS**  
[54] **FILTRE COULEURS ET AFFICHEUR A CRISTAUX LIQUIDES UTILISANT CE FILTRE COULEURS, ET PROCEDES DE FABRICATION CORRESPONDANTS**  
[72] INADA, TOSHIYA, NL  
[72] MATSUURA, NORIYOSHI, NL  
[72] II, MIHO, NL  
[71] KONINKLIJKE PHILIPS ELECTRONICS N.V., NL  
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[54] **DIAGNOSTIC IMAGING TABLETOP**  
[54] **PLATEAU DE TABLE POUR IMAGERIE DIAGNOSTIQUE**  
[72] LONGTON, WALLACE A., US  
[72] MIYAMOTO, CURTIS, US  
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[54] **TAXOL ENHANCER COMPOUNDS**  
[54] **COMPOSES ACTIVATEURS DE TAXOL**  
[72] CHEN, SHOUJUN, US  
[72] KOYA, KEIZO, US  
[72] SUN, LIJUN, US  
[72] ONO, MITSUNORI, US  
[72] TATSUTA, NORIAKI, US  
[72] WU, YAMING, US  
[71] SYNTA PHARMACEUTICALS CORP., US  
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[54] **ANEURYSM TREATMENT DEVICE**  
[54] **APPAREIL DE TRAITEMENT D'ANEVRISME**  
[72] COX, BRIAN J., US  
[71] MICROVENTION, INC., US  
[85] 2004-01-20  
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[54] **MIXED MATRIX MEMBRANES INCORPORATING CHABAZITE TYPE MOLECULAR SIEVES**  
[54] **MEMBRANES MATRICIELLES MIXTES COMPORTANT DES TAMIS MOLECULAIRES DU TYPE CHABAZITE**  
[72] PATEL, ASPI N., US  
[72] HASSE, DAVID J., US  
[72] CORBIN, DAVID R., US  
[72] KULKARNI, SUDHIR S., US  
[71] L'AIR LIQUIDE - SOCIETE ANONYME A DIRECTOIRE ET CONSEIL DE SURVEILLANCE POUR L'ETUDE ET L'EXPLOITATION DES PROCEDES GEORGES CLAUDE, FR  
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[54] **ANIMAL MODEL FOR FATTY ACID AMIDE-RELATED NEUROBEHAVIORS**  
[54] **MODELE ANIMAL POUR COMPORTEMENTS NEUROLOGIQUES ASSOCIES A L'AMIDE D'ACIDE GRAS**  
[72] CRAVATT, BENJAMIN F., US  
[71] THE SCRIPPS RESEARCH INSTITUTE, US  
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[54] **SYSTEME ET PROCEDE D'ENCHERES POUR DES ARTICLES DE TYPES MULTIPLES**  
[72] JONES, WYNNE P., GB  
[72] CRAMTON, PETER C., US  
[72] AUSUBEL, LAWRENCE M., US  
[71] EFFICIENT AUCTIONS LLC, US  
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[25] EN  
[54] **WEAR RESISTANT CENTER FEED IMPACT IMPELLER**  
[54] **ROUE DE CONCASSEUR A IMPACT, A ALIMENTATION CENTRALE, RESISTANT A L'USURE**  
[72] BRITZKE, ROBERT W., US  
[71] KENNAMETAL INC., US  
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[25] EN  
[54] **MODIFIED ATMOSPHERE PACKAGES AND METHODS FOR MAKING THE SAME**  
[54] **EMBALLAGES MODIFIES CONDITIONNES SOUS ATMOSPHERE ET PROCEDES DE FABRICATION DE CES EMBALLAGES**  
[72] LUTHRA, VINOD K., US  
[72] MERRIMAN, MARCUS C., US  
[72] DELDUCA, GARY R., US  
[72] GOULETTE, STEPHEN L., US  
[71] PACTIV CORPORATION, US  
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[25] FR  
[54] **PROCEDE POUR PROTEGER UN LOGICIEL A L'AIDE DE "DETECTION ET COERCITION" CONTRE SON UTILISATION NON AUTORISEE**  
[54] **METHOD FOR PROTECTING A SOFTWARE USING A SO-CALLED DETECTION AND COERCION PRINCIPLE AGAINST ITS UNAUTHORISED USE**  
[72] CUENOD, JEAN-CHRISTOPHE, FR  
[72] SGRO, GILLES, FR  
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[54] **SYSTEME D'EVALUATION POUR PREDIRE UNE RECURRENCE DE CANCER**  
[72] OKA, MASSAKI, JP  
[72] HAMAMOTO, YOSHIHIKO, JP  
[72] OKABE, HISAFUMI, JP  
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[54] **AN INDUCER OF APOPTOSIS**  
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[72] GASTON, KEVIN, GB  
[71] THE UNIVERSITY OF BRISTOL, GB  
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[54] **DISPOSITIF DE BLOCAGE DE DEUX ELEMENTS ALLONGES TELESCOPIQUES**  
[54] **DEVICE FOR LOCKING TWO TELESCOPIC ELONGATED ELEMENTS**  
[72] GUIDETTI, PASCAL, FR  
[71] GUIDETTI, PASCAL, FR  
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[54] **SELS CALCIQUES EXERCANT UNE ACTIVITE CYTOTOXIQUE**  
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[71] BILTON CONSULTADORIA E MARKETING LDA, PT  
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[51] **Int.Cl. 7G02B 6/38 7B23D 1/26**  
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[54] **TOOL AND METHOD FOR FORMING A MULTI FIBER FERRULE**  
[54] **OUTIL ET PROCEDE DE FORMATION D'UNE CAPSULE DE CONTACT A FIBRES MULTIPLES**  
[72] GRABBE, DIMITRY G., US  
[71] CINCH CONNECTORS, INC., US  
[85] 2003-12-30  
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[54] **METHODS FOR EVALUATING PATHOLOGIC CONDITIONS USING EXTRACELLULAR RNA**  
[54] **METHODES D'EVALUATION D'AFFECTIONS PATHOLOGIQUES UTILISANT UN ARN EXTRACELLULAIRE**  
[72] KOPRESKI, MIKE, US  
[71] ONCOMEDX, INC., US  
[85] 2004-01-23  
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[54] **APPARATUS AND METHOD FOR DETERMINING THE ONSET AND PRESENCE OF SEPSIS CONDITIONS**  
[54] **DISPOSITIF ET PROCEDE PERMETTANT DE DETECTER L'APPARITION ET LA PRESENCE DE CONDITIONS DE SEPSIE**  
[72] WEBBER, ROBERT, US  
[71] WEBBER, ROBERT, US  
[85] 2004-01-29  
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[54] **ANTI-CANCER AND WOUND HEALING COMPOUNDS**  
[54] **COMPOSES ANTICANCEREUX ET DE CICATRISATION DE PLAIES**  
[72] WEART, ILONA F., US  
[72] QUIRK, STEPHEN, US  
[71] KIMBERLY-CLARK WORLDWIDE, INC., US  
[85] 2004-01-29  
[86] 2002-08-15 (PCT/US2002/026319)  
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[54] **COMPOSITIONS AND METHODS FOR THE MODULATION OF VIRAL MATURATION**  
[54] **COMPOSITIONS ET METHODES DESTINEES A LA MODULATION DE LA MATURATION VIRALE**  
[72] ALROY, IRIS, IL  
[72] GREENER, TSVIKA, IL  
[72] REISS, YUVAL, IL  
[72] MOSKOWITZ, HAIM, IL  
[71] PROTEOLOGICS, INC., US  
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[30] US (60/308,958) 2001-07-31  
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[54] **GRAFT POLYMER MATRICES**  
[54] **MATRICES POLYMERES DE GREFFE**  
[72] HUBBARD, MICHAEL ANTHONY, US  
[72] OLTEAN, GEORGE L., US  
[72] ROSEBROUGH, SCOTT F., US  
[71] STS BIOPOLYMERS, INC., US  
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7C12N 11/02 7C12N 11/06 7G01N 33/53  
7G01N 33/543 7G01N 33/92

[25] EN

[54] **ASSAY ELECTRODES HAVING IMMOBILIZED LIPID/PROTEIN LAYERS AND METHODS OF MAKING AND USING THE SAME**

[54] **ELECTRODES DE TEST COMPORTANT DES COUCHES DE LIPIDE/PROTEINE IMMOBILISES ET PROCEDES DE FABRICATION ET D'UTILISATION ASSOCIES**

[72] UMEK, ROBERT M., US  
[72] MAHESHWARI, GARGI, US  
[72] EASON, PAULA DENNEY, US  
[72] WOODS, DOUGLAS, US  
[72] MATHEW, ANU, US  
[71] MESO SCALE TECHNOLOGIES, LLC., US

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[30] US (60/308,762) 2001-07-30

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[51] **Int.Cl. 7G06F 9/455**

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[54] **DISTRIBUTION OF DOWNLOADABLE SOFTWARE OVER A NETWORK**

[54] **DISTRIBUTION DE LOGICIEL TELECHARGEABLE SUR UN RESEAU**

[72] MARTIN, ANTHONY G., US  
[72] CHAMBERS, DAVID L., US  
[72] WEISMAN, MITCHELL T., US  
[71] CLARIA CORPORATION, US

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[87] 2003-02-13 (WO2003/012641)  
[30] US (60/309,634) 2001-08-01  
[30] US (10/056,955) 2002-01-25

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[51] **Int.Cl. 7C07K 1/107**

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[54] **BI-DIRECTIONAL SYNTHESIS OF OLIGOGUANIDINE TRANSPORT AGENTS**

[54] **SYNTHESE BIDIRECTIONNELLE D'AGENTS DE TRANSPORT DE L'OLIGOGUANIDINE**

[72] VANDEUSEN, CHRISTOPHER L., US  
[72] WENDER, PAUL A., US  
[72] PELKEY, ERIN T., US  
[72] JESSOP, THEODORE C., US  
[72] PATTABIRAMAN, KANAKA, US  
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US

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[30] US (60/310,305) 2001-08-03

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[13] A1

[51] **Int.Cl. 7G01N 33/50 7B04B 5/04 7A61M 1/36**

[25] EN

[54] **METHODS AND APPARATUS FOR SEPARATION OF BLOOD COMPONENTS**

[54] **PROCEDES ET DISPOSITIF POUR SEPARER DES PARTICULES**

[72] TAYLOR, LINDA A., US  
[72] ANTWILER, GLEN DELBERT, US  
[71] GAMBRO, INC., US

[85] 2004-01-28  
[86] 2002-12-04 (PCT/US2002/038566)  
[87] 2003-06-19 (WO2003/050536)  
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[13] A1

[51] **Int.Cl. 7C07K 1/00**

[25] EN

[54] **METHODS FOR PURIFICATION OF AN ACTIVATED PEG SOLUTION AND FOR THE SYNTHESIS OF A MODIFIED HEMOGLOBIN SOLUTION**

[54] **PURIFICATION D'UNE SOLUTION DE POLYETHYLENE-GLYCOL ACTIVEE ET SYNTHESE D'UNE SOLUTION D'HEMOGLOBINE MODIFIEE**

[72] TALARICO, TODD LEWIS, US  
[72] STACEY, CYRUS JOHN, US  
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[54] **REGULATOR OF CALCINEURIN**

[54] **REGULATEUR DE LA CALCINEURINE**

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[54] **DIFFERENCIATION DE CELLULES**

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[72] GOKHALE, PAUL, GB  
[72] ANDREWS, PETER, GB  
[71] AXORDIA LIMITED, GB

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[25] EN  
[54] **OSTEOGENIC GROWTH OLIGOPEPTIDES AS STIMULANTS OF HEMATOPOIESIS**  
[54] **OLIGOPEPTIDES DE L'OSTEOGENESE UTILISES COMME STIMULANTS DE L'HEMATOPOIESE**  
[72] BAB, ITAI, IL  
[72] CHOREV, MICHAEL, IL  
[72] SHTEYER, ARYE, IL  
[72] MANSUR, NURA, IL  
[72] GUREVITCH, OLGA, IL  
[72] GREENBERG, ZVI, IL  
[72] TRASCIATTI, SILVIA, IT  
[72] MUHLRAD, NURA, IL  
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[54] **IMPROVED METHOD AND COMPOSITION FOR DETERMINING RESISTANCE TO AN ACETOHYDROXYACID SYNTHASE INHIBITOR**  
[54] **PROCEDE AMELIORE ET COMPOSITION POUR DETERMINER LA RESISTANCE A UN INHIBITEUR DE L'ACETOHYDROXYACIDE SYNTHASE**  
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[71] BASF AKTIENGESELLSCHAFT, DE  
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[54] **MODULAR ASSEMBLY OF NUCLEIC ACID-PROTEIN FUSION MULTIMERS**  
[54] **ASSEMBLAGE MODULAIRE DE MULTIMERES DE FUSION ACIDES NUCLEIQUES-PROTEINES**  
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[72] KURZ, MARKUS, US  
[71] PHYLOS, INC., US  
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[54] **A GROUP OF NOVEL ANTI-CANCER COMPOUNDS WITH SPECIFIC STRUCTURE**  
[54] **GROUPE DE COMPOSES ANTICANCEREUX A STRUCTURE SPECIFIQUE**  
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[71] YANG, ZHENHUA, US  
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[54] **COMPOSES ANTI-AGE ET DE CICATRISATION DE PLAIES**  
[72] QUIRK, STEPHEN, US  
[72] MALIK, SOHAIL, US  
[72] VILLANUEVA, JULIE M., US  
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[25] EN  
[54] **METHOD AND APPARATUS FOR TREATMENT OF PATIENTS**  
[54] **PROCEDE ET APPAREIL DE TRAITEMENT DE PATIENTS**  
[72] SANDYK, REUVEN, US  
[72] KAMIL, ZVI, IL  
[71] SANDYK, REUVEN, US  
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[54] **METHODS AND COMPOSITIONS RELATING TO IMPROVED LENTIVIRAL VECTOR PRODUCTION SYSTEMS**  
[54] **PROCEDES ET COMPOSITIONS RELATIFS A DES SYSTEMES PRODUCTION AMELIORES DE VECTEURS LENTIVIRAUX**  
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[72] ZUFFEREY, ROMAIN N., CH  
[71] INSTITUT CLAYTON DE LA RECHERCHE, CH  
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[72] MYLES, DAVID C., US  
[72] SANTI, DANIEL, US  
[72] JOHNSON, ROBERT, US  
[72] HUTCHINSON, C. RICHARD, US  
[72] FENG, LI, US  
[72] ZHOU, YI-QING, US  
[72] TIAN, ZQ, US  
[71] KOSAN BIOSCIENCES, INC., US  
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[54] **EXPRESSION PROFILE OF PROSTATE CANCER**  
[54] **PROFIL D'EXPRESSION DU CANCER DE LA PROSTATE**  
[72] CHINNAIYAN, ARUL M., US  
[72] RUBIN, MARK A., US  
[72] SREEKUMAR, ARUN, US  
[71] THE REGENTS OF THE UNIVERSITY OF MICHIGAN, US  
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[54] **COMPOSITIONS COMPRISING IMMUNOSTIMULATORY OLIGONUCLEOTIDES AND USES THEREOF TO ENHANCE FC RECEPTOR-MEDIATED IMMUNOTHERAPIES**  
[54] **COMPOSITIONS CONTENANT DES OLIGONUCLEOTIDES IMMUNOSTIMULANTS ET LEURS UTILISATIONS POUR AMPLIFIER DES IMMUNOTHERAPIES DECLENCHEES INDIRECTEMENT PAR LE RECEPTEUR FC**  
[72] VAN DE WINKEL, JAN G. J., NL  
[72] WEINER, GEORGE, US  
[71] MEDAREX, INC., US  
[71] UNIVERSITY OF IOWA RESEARCH FOUNDATION, US  
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[25] EN  
[54] **COMPOSITIONS AND METHODS FOR MODULATION OF IMMUNE RESPONSES**  
[54] **COMPOSITIONS ET PROCEDES DE MODULATION DE REPONSES IMMUNES**  
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[71] SODERSTROM, KARL, PETTER, US  
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[13] A1

[51] **Int.Cl. 7A61K 38/17 7A61P 9/10**

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[54] **REGULATION OF THE APJ RECEPTOR FOR USE IN THE TREATMENT OR PROPHYLAXIS OF CARDIAC DISEASES**  
[54] **REGULATION DU RECEPTEUR APJ PERMETTANT LE TRAITEMENT OU LA PREVENTION DE MALADIES CARDIAQUES**  
[72] BISCHOFF, ERWIN, DE  
[72] ELLINGHAUS, PETER, DE  
[72] ALBRECHT, BARBARA, DE  
[72] ANTONICEK, HORST-PETER, DE  
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[54] **METHODS OF SCREENING BASED ON THE EGF RECEPTOR CRYSTAL STRUCTURE**  
[54] **PROCEDES DE CRIBLAGE FONDES SUR LA STRUCTURE CRISTALLINE DU RECEPTEUR EGF**  
[72] NICE, EDOUARD COLLINS, AU  
[72] ADAMS, TIMOTHY EDWARD, AU  
[72] BURGESS, ANTONY WILKS, AU  
[72] WARD, COLIN WESLEY, AU  
[72] MCKERN, NEIL MORETON, AU  
[72] ELLEMAN, THOMAS CHARLES, AU  
[72] GARRETT, THOMAS PETER JOHN, AU  
[72] LOVRECH, GEORGE OSCAR, AU  
[72] LOU, MEIZHEN, AU  
[72] JORISSEN, ROBERT NICHOLAS, AU  
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[71] WALTER AND ELIZA HALL INSTITUTE OF MEDICAL RESEARCH, AU  
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[25] EN  
[54] **AGONISTS AND ANTAGONISTS OF 5H3-LIKE RECEPTORS OF INVERTEBRATE S AS PESTICIDES**  
[54] **AGONISTES OU ANTAGONISTES DES RECEPTEURS DE TYPE 5HT3 D'INVERTEBRES UTILISES COMME PESTICIDES**  
[72] SAUBERN, SIMON, AU  
[72] TROWELL, STEPHEN CHARLES, AU  
[72] LIAO, CHUNYAN, AU  
[71] COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION, AU  
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[71] K.U. LEUVEN RESEARCH AND DEVELOPMENT, BE  
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[25] EN  
[54] **IMMUNOMODULATORY COMPOSITIONS, FORMULATIONS, AND METHODS FOR USE THEREOF**  
[54] **COMPOSITIONS IMMUNOMODULATRICES, PREPARATIONS, ET LEURS PROCEDES D'UTILISATION**  
[72] DINA, DINO, US  
[72] FEARON, KAREN L., US  
[71] DYNAX TECHNOLOGIES CORPORATION, US  
[85] 2004-02-03  
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[54] **SYSTEME DE SOINS DE SANTE PAR L'INTERNET**  
[72] MILAM, SUSAN P., US  
[72] GHOSH, PRITHWIRAJ, IN  
[72] MARUR, VINOD R., US  
[72] GALBRAITH, RONALD E., US  
[72] ARGENBRIGHT, KEITH E., US  
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[25] EN  
[54] **COMPOSITIONS AND METHODS FOR THE PRODUCTION OF BETAINE LIPIDS**  
[54] **COMPOSITIONS ET PROCEDES DE PRODUCTION DE LIPIDES DE LA BETAINE**  
[72] KLUG, ROUVEN, DE  
[72] RIEKHOF, WAYNE, US  
[72] BENNING, CHRISTOPH, US  
[71] MICHIGAN STATE UNIVERSITY, US  
[85] 2003-10-14  
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[25] EN  
[54] **TOCOPHEROL ENRICHED COMPOSITIONS AND AMELIORATION OF INFLAMMATORY SYMPTOMS**  
[54] **COMPOSITIONS ENRICHIES EN TOCOPHEROL ET ATTENUATION DE SYMPTOMES INFLAMMATOIRES**  
[72] BEINLICH, PEGGY, US  
[72] BODDUPALLI, SEKHAR, US  
[72] BROWN, LESLEY, US  
[72] DREON, DARLENE M., US  
[72] PHINNEY, STEPHEN DODGE, US  
[72] FLAIM, STEPHEN, US  
[72] MILLER, GUY, US  
[71] GALILEO PHARMACEUTICALS, INC., US  
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[54] **METHOD FOR TREATING LUNG CANCERS**  
[54] **PROCEDE DESTINE A TRAITER DES CANCERS DU POUMON**  
[72] PEREZ-SOLER, ROMAN, US  
[72] PILKIEWICZ, FRANK, US  
[71] TRANSAVE, INC., US  
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[86] 2002-08-20 (PCT/US2002/026408)  
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[30] US (60/313,528) 2001-08-20  
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[13] A1

[51] **Int.Cl. 7B29C 47/34 7A61M 25/00 7B29C 53/14**  
[25] EN  
[54] **MEDICAL DEVICE WITH EXTRUDED MEMBER HAVING HELICAL ORIENTATION**  
[54] **DISPOSITIF MEDICAL A ELEMENT EXTRUDE PRESENTANT UNE ORIENTATION HELICOIDALE**  
[72] SAHATJIAN, RONALD, US  
[72] WANG, YIQUN, US  
[72] CHIN, ALBERT, US  
[72] CHEN, JOHN, US  
[72] WANG, LIXIAO, US  
[71] BOSTON SCIENTIFIC LIMITED, A CORPORATION OF THE REPUBLIC OF IRELAND, BB  
[85] 2003-12-29  
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[87] 2003-01-16 (WO2003/004249)  
[30] US (09/898,710) 2001-07-03

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[13] A1

[51] **Int.Cl. 7G06F 9/50**  
[25] EN  
[54] **METHODS AND SYSTEMS FOR MULTI-POLICY RESOURCE SCHEDULING**  
[54] **PROCEDES ET SYSTEMES POUR ORDONNANCEMENT DE RESSOURCES MULTI-STRATEGIE**  
[72] CANDEA, GEORGE M., US  
[72] ENEMAN, HARVEY, US  
[71] ORACLE INTERNATIONAL CORPORATION, US  
[85] 2003-11-07  
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[54] **SOMATOSTATIN ANALOGUES AND THEIR USE SOMATOSTATIN ANALOGUES BINDING TO ALL SOMATOSTATIN RECEPTOR AND THEIR USE**  
[54] **ANALOGUES DE SOMATOSTATINE ET LEUR UTILISATION, ANALOGUES DE SOMATOSTATINE SE LIANT AVEC TOUS LES SOUS-TYPES DE RECEPTEURS DE SOMATOSTATINE ET LEUR UTILISATION**  
[72] EISENWIENER, KLAUS-PETER, DE  
[72] RINK, HANS, CH  
[72] REUBI, JEAN CLAUDE, CH  
[72] MAECKE, HELMUT ROBERT, DE  
[71] UNIVERSITY OF BERN, CH  
[71] UNIVERSITY HOSPITAL BASEL, CH  
[85] 2004-02-09  
[86] 2002-08-07 (PCT/EP2002/009004)  
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[30] EP (01203033.4) 2001-08-10

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[13] A1

[51] **Int.Cl. 7G06K 7/10**  
[25] EN  
[54] **IMAGE CAPTURE SYSTEM AND METHOD USING A COMMON IMAGING ARRAY**  
[54] **SYSTEME DE CAPTURE D'IMAGE ET PROCEDE UTILISANT UN RESEAU D'IMAGERIE COMMUN**  
[72] PATEL, MEHUL M., US  
[72] BIANCULLI, THOMAS D., US  
[71] SYMBOL TECHNOLOGIES, INC., US  
[85] 2003-10-24  
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[30] US (10/392,034) 2003-03-19

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[54] **THREADED SYRINGE**  
[54] **SERINGUE FILETEE POUR INJECTION DE SUBSTITUT OSSEUX**  
[72] FULMER, MARK T., US  
[72] KERR, SEAN H., US  
[71] SYNTHES (U.S.A.), US  
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[54] **CATHETER CRYOGENIQUE A POINTE BEQUILLABLE**  
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[72] KOVALCHECK, STEVEN W., US  
[71] CRYOGEN, INC., US  
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[54] **POLYMERIC URETHANE ESTER QUATS AND THEIR USE IN PERSONAL CARE COMPOSITIONS**  
[54] **QUATERNAIRES D'ESTER DE POLYURETHANNE ET LEUR UTILISATION DANS DES COMPOSITIONS DE SOINS PERSONNELS**  
[72] ZOFCHAK, ALBERT, US  
[72] OBEJI, JOHN, US  
[71] ALZO INTERNATIONAL, INC., US  
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[54] **ETHYLENE/VINYL ALCOHOL COPOLYMER AND PROCESS FOR PRODUCING THE SAME**  
[54] **COPOLYMERE D'ALCOOL ETHYLENIQUE/VINYLIQUE ET SON PROCEDE DE PRODUCTION**  
[72] AKUTSU, YUKO, JP  
[72] CHISHIMA, YOSHIHIRO, JP  
[72] SAWAGUCHI, TAKASHI, JP  
[72] HAGIWARA, TOSHIKI, JP  
[72] YANO, SHOICHIRO, JP  
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[54] **MEDICAL DEVICES COMPRISING NANOMATERIALS AND THERAPEUTIC METHODS UTILIZING THE SAME**  
[54] **DISPOSITIFS MEDICAUX CONTENANT DES NANOMATERIAUX, ET METHODES THERAPEUTIQUES FAISANT APPEL AUXDITS DISPOSITIFS**  
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[71] BOSTON SCIENTIFIC LIMITED, A CORPORATION OF THE REPUBLIC OF IRELAND, BB  
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[54] **METHOD OF FERMENTATION**  
[54] **PROCEDE DE FERMENTATION**  
[72] STRAND, KURT, NO  
[72] ERIKSEN, HENRIK, NO  
[72] JORGENSEN, LARS, NO  
[71] NORFERM DA, NO  
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[54] **METHOD AND APPARATUS FOR CONTROLLING TRANSMISSION OF PACKETS IN A WIRELESS COMMUNICATION SYSTEM**  
[54] **PROCEDE ET APPAREIL PERMETTANT LE CONTROLE DE TRANSMISSION DE PAQUETS DANS UN SYSTEME DE COMMUNICATIONS SANS FIL**  
[72] MALKAMAKI, ESA, FI  
[72] OESTMAN, KJELL, FI  
[71] NOKIA CORPORATION, FI  
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[51] **Int.Cl. 7H04Q 7/20**  
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[54] **SYSTEM AND METHOD FOR COLLISION-FREE TRANSMISSION SCHEDULING USING NEIGHBORHOOD INFORMATION AND ADVERTISED TRANSMISSION TIMES**  
[54] **SYSTEME ET PROCEDE D'ORDONNANCEMENT DE TRANSMISSIONS SANS ERREUR UTILISANT DES DONNEES DE VOISINAGE ET DES TEMPS DE TRANSMISSION ANNONCES**  
[72] BEYER, DAVID, US  
[72] GARCIA-LUNA-ACEVES, JOSE J., US  
[71] NOKIA CORPORATION, FI  
[85] 2004-02-16  
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[54] **PHYSICAL LAYER AUTOMATIC REPEAT REQUEST (ARQ)**  
[54] **DEMANDE DE REPETITION AUTOMATIQUE DE COUCHE PHYSIQUE**  
[72] KWAK, JOSEPH A., US  
[71] INTERDIGITAL TECHNOLOGY CORPORATION, US  
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[51] **Int.Cl. 7H04J 13/00 7H04J 11/00**  
[25] EN  
[54] **METHOD FOR PHYSICAL LAYER AUTOMATIC REPEAT REQUEST FOR A BASE STATION**  
[54] **PROCEDE DE DEMANDE DE REPETITION AUTOMATIQUE DE COUCHE PHYSIQUE POUR UNE STATION DE BASE**  
[72] KWAK, JOSEPH A., US  
[71] INTERDIGITAL TECHNOLOGY CORPORATION, US  
[85] 2004-02-16  
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[51] **Int.Cl. 7A61F 2/06**  
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[54] **INTERNAL RESTRAINT FOR DELIVERY OF SELF-EXPANDING STENTS**  
[54] **CONTENTION INTERNE DESTINEE A LA POSE D'ENDOPROTHESES A EXTENSION AUTOMATIQUE**  
[72] LEE, ELAINE, US  
[72] ABRAMS, ROBERT M., US  
[71] BOSTON SCIENTIFIC LIMITED, BB  
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[51] **Int.Cl. 7A61K 9/48 7A61K 47/02 7A61K 47/10 7A61K 47/14**  
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[72] KUENTZ, MARTIN, CH  
[71] F. HOFFMANN-LA ROCHE AG, CH  
[85] 2004-02-16  
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[54] **PROCEDE ET SYSTEME DESTINES A CODER ET A AUTHENTIFIER DES EMPREINTES DIGITALES**  
[72] CHAU, LAM KO, CA  
[71] LISKA BIOMETRY INC., US  
[85] 2004-02-16  
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[54] **APPAREIL D'ASSISTANCE RESPIRATOIRE**  
[72] OLSEN, GREGORY JAMES, NZ  
[72] LECKIE, MARTIN, NZ  
[72] PRIME, NEIL, NZ  
[71] FISHER & PAYKEL HEALTHCARE LIMITED, NZ  
[85] 2004-02-16  
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[54] **DISPOSITIF COMPACT DE SUPPRESSION DE VIBRATIONS**  
[72] POPELKA, DAVID, US  
[72] STAMPS, BRAD, US  
[72] SMITH, MICHAEL REAUGH, US  
[72] BOTHWELL, CHRISTOPHER M., US  
[72] LEDBETTER, TIMOTHY K., US  
[71] BELL HELICOPTER TEXTRON INC., US  
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[51] **Int.Cl. 7A61K 9/28**  
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[54] **SYSTEME D'ADMINISTRATION DE MEDICAMENTS CONTROLE PAR ORDRE ZERO**  
[72] TIAN, WEI, GB  
[72] LAWAL, OLAYINKA, GB  
[72] LANGRIDGE, JOHN RICHARD, GB  
[71] PHOQUS PHARMACEUTICALS LIMITED, GB  
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[54] **COMPOSITION DE REVETEMENT A DOUBLE POLYMERISATION ET PROCEDES D'UTILISATION**  
[72] BRADFORD, CHRISTOPHER, US  
[72] ZIMMER, MARCY, US  
[72] O'DONNELL, RYAN, US  
[72] CAILLOUETTE, LYLE, US  
[72] RISCHKE, JENNIFER, CA  
[71] BASF CORPORATION, US  
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[51] **Int.Cl. 7A61L 2/20 7A61L 9/015 7A61L 2/26 7A23G 9/30**  
[25] EN  
[54] **METHODS, DEVICES AND COMPOSITIONS FOR THE SUSTAINED RELEASE OF CHLORINE DIOXIDE**  
[54] **PROCEDES, DISPOSITIFS ET COMPOSITIONS POUR LA LIBERATION PROLONGEE DU BIOXYDE DE CHLORE**  
[72] KILAWEE, PATRICK H., US  
[72] THOMAS, JOHN E., US  
[72] KADLEC, LEONARD JOHN, US  
[72] TALLMAN, DANIEL N., US  
[71] ECOLAB INC., US  
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[54] **PROJECTILES POLYMERES A POINTE BALISTIQUE**  
[72] MAY, THOMAS, US  
[72] PHILLIPS, LEE T., US  
[71] MAY, THOMAS, US  
[71] PHILLIPS, LEE T., US  
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[51] **Int.Cl. 7C07C 67/02**  
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[54] **AGENT ANTI-MOUSSE ET DESEMULSIONNEUR TOPIQUES**  
[72] GATLIN, LARRY W., US  
[72] MILLER, JOSEPH, US  
[72] SMITH, KEVIN W., US  
[71] CLEARWATER INTERNATIONAL, LLC, US  
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[54] **CONTENEUR EMPILABLE A ALIGNEMENT AUTOMATIQUE**  
[72] BENNETT, JAMES A., US  
[72] HEATH, BRADLEY, US  
[72] HAMABATA, JODY, US  
[71] CONAGRA GROCERY PRODUCTS COMPANY, US  
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[30] US (10/126,025) 2002-04-19

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[25] EN  
[54] **PEPTIDE ARGINALS AND METHODS FOR TREATING DISSEMINATED INTRAVASCULAR COAGULATION**  
[54] **PEPTIDES ARGINAUX ET METHODES POUR TRAITER LA COAGULATION INTRAVASCULAIRE DISSEMINEE**  
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[71] IVAX INSTITUTE FOR DRUG RESEARCH, LTD., HU  
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[51] **Int.Cl. 7H04L 12/24**  
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[54] **NETWORK ATTACHED STORAGE SNMP SINGLE SYSTEM IMAGE**  
[54] **IMAGE DE SYSTEME UNIQUE SNMP DE STOCKAGE RATTACHE A UN RESEAU**  
[72] CHELLAM, SUDHAKAR, US  
[72] KANDEFER, FLORIAN, US  
[71] INTERNATIONAL BUSINESS MACHINES CORPORATION, US  
[85] 2004-02-20  
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[51] **Int.Cl. 7A01N 47/12 7A01N 33/02 7A01N 57/10 7A01N 37/18 7A01N 59/20 7A01N 33/24 7A01N 43/30 7A01N 43/34 7A01N 43/48 7A01N 43/653 7A01N 43/72 7A01N 43/74**  
[25] EN  
[54] **FUNGICIDE ACTIVE SUBSTANCE COMBINATIONS**  
[54] **COMBINAISONS DE SUBSTANCES ACTIVES FONGICIDES**  
[72] SEITZ, THOMAS, DE  
[72] WACHENDORFF-NEUMANN, ULRIKE, DE  
[71] BAYER CROPSCIENCE AG, DE  
[85] 2004-02-20  
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[51] **Int.Cl. 7C07H 21/00 7A61K 48/00 7A61P 31/00 7A61P 35/00 7A61P 37/08 7A61K 39/39 7A61K 31/7088**  
[25] EN  
[54] **COMBINATION MOTIF IMMUNE STIMULATORY OLIGONUCLEOTIDES WITH IMPROVED ACTIVITY**  
[54] **OLIGONUCLEOTIDES IMMUNOSTIMULATEURS A MOTIF COMBINE POSSEDANT UNE ACTIVITE ACCRUE**  
[72] KRIEG, ARTHUR M., US  
[72] VOLLMER, JORG, DE  
[72] ULHMAN, EUGEN, DE  
[71] COLEY PHARMACEUTICAL GROUP, INC., US  
[71] COLEY PHARMACEUTICAL GMBH, DE  
[71] UNIVERSITY OF IOWA RESEARCH FOUNDATION, US  
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[86] 2002-08-19 (PCT/US2002/026468)  
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[51] **Int.Cl. 7A22C 13/00**  
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[54] **FILM COLLAGENE A PERFORATIONS MULTIPLES**  
[72] MASER, FRANZ, DE  
[72] TUERK, OLIVER, DE  
[71] NATURIN GMBH & CO., DE  
[85] 2004-02-19  
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[87] 2003-03-06 (WO2003/017771)

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[13] A1  
[51] **Int.Cl. 7A61B 3/06**  
[25] EN  
[54] **VISUAL SENSE EXAMINING CHART**  
[54] **TABLEAU D'EXAMEN DE LA VISION**  
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[71] SUZUKI, TAKETOSHI, JP  
[85] 2004-02-18  
[86] 2002-08-23 (PCT/JP2002/008510)  
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[30] JP (2001-256534) 2001-08-27  
[30] JP (2002-211514) 2002-07-19

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[54] **TAMPER-PROOF TIE**  
[54] **ATTACHE INVOLABLE**  
[72] BENOIT, JAMES C., US  
[72] BERROCAL, WILLIAM G., US  
[71] AVERY DENNISON CORPORATION, US  
[85] 2004-02-09  
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[30] US (10/121,022) 2002-04-11

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[25] EN  
[54] **AN APPARATUS AND METHODS FOR USING BIOLOGICAL MATERIAL TO DISCRIMINATE AN AGENT**  
[54] **APPAREIL ET PROCEDES PERMETTANT DE DISCRIMINER UN AGENT A L'AIDE DE MATIERE BIOLOGIQUE**  
[72] CLIFFEL, DAVID, US  
[72] EKLUND, SVEN, US  
[72] YANG, YUANSHENG, US  
[72] WIKSWO, JOHN P., US  
[72] WERDICH, ANDREAS, US  
[72] STREMLER, MARK, US  
[72] BALCARCEL, R. ROBERT, US  
[72] BAPTY, THEODORE A., US  
[72] MONROE, TODD, US  
[72] PROKOP, ALES, US  
[72] BAUDENBACHER, FRANZ J., US  
[72] MCGUINNESS, OWEN, US  
[71] VANDERBILT UNIVERSITY, US  
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[30] US (60/310,652) 2001-08-06

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[13] A1

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[25] EN  
[54] **SUBSTITUTED INDENO[1,2-C]ISOQUINOLINE DERIVATIVES AND METHODS OF USE THEREOF**  
[54] **DERIVES D'INDENO[1,2-C]ISOQUINOLEINE SUBSTITUEE ET PROCEDES D'UTILISATION DE CES COMPOSES**  
[72] BALOGLU, ERKAN, US  
[72] SALZMAN, ANDREW L., US  
[72] SZABO, CSABA, US  
[72] JAGTAP, PRAKASH G., US  
[72] VAN DUZER, JOHN H., US  
[71] INOTEK PHARMACEUTICALS CORPORATION, US  
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[87] 2003-03-13 (WO2003/020700)  
[30] US (09/944,524) 2001-08-31

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[25] EN  
[54] **CONTROLLER FOR SWITCH MACHINE**  
[54] **DISPOSITIF DE COMMANDE POUR UNE UNITE D'AIGUILLAGE**  
[72] WYDOTIS, LEONARD M., US  
[72] BOZIO, ROBERTS P., US  
[72] FRANKE, RAYMOND C., US  
[71] UNION SWITCH & SIGNAL, INC., US  
[85] 2004-02-19  
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[30] US (09/951,141) 2001-09-10

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[13] A1

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[25] EN  
[54] **ACTUATOR DEVICE AND METHOD OF MANUFACTURING CELLS FOR VIEW THROUGH WINDOW COVERING**  
[54] **ACTIONNEUR ET PROCEDE DE FABRICATION D'UN DECOR DE FENETRE A VUE TRAVERSANTE**  
[72] COREY, JOHN A., US  
[72] RANDALL, RAYMOND, US  
[72] WATKINS, RICHARD D., US  
[71] COMFORTEX CORPORATION, US  
[85] 2004-02-19  
[86] 2002-12-23 (PCT/US2002/041375)  
[87] 2003-07-24 (WO2003/060273)  
[30] US (60/346,347) 2002-01-07  
[30] US (60/369,996) 2002-04-03

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[13] A1

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[25] EN  
[54] **NOVEL ACIDIC MAMMALIAN PROTEINS AND POLYNUCLEOTIDES ENCODING THE SAME**  
[54] **NOUVELLES PROTEINES MAMMALIENNES ACIDES ET ACIDES NUCLEIQUES LES CODANT**  
[72] STEWART, TIMOTHY A., US  
[72] KELLY, KAREN M., US  
[72] LEWIN, DAVID A., US  
[71] GENENTECH, INC., US  
[71] CURAGEN CORPORATION, US  
[85] 2004-02-10  
[86] 2002-10-09 (PCT/US2002/032273)  
[87] 2003-04-17 (WO2003/031582)  
[30] US (60/327,902) 2001-10-09

[21] **2,457,579**  
[13] A1

[51] **Int.Cl. 7C07H 21/02 7C07H 21/04**  
[25] EN  
[54] **USE OF INTRINSIC REPORTERS OF CELL SIGNALING FOR HIGH CONTENT DRUG PROFILING AND TOXICITY SCREENING**  
[54] **UTILISATION DE REPORTERS INTRINSEQUES DE SIGNAUX DE CELLULES POUR LE PROFILAGE DE MEDICAMENTS A FORT CONTENU ET LE CRIBLAGE DE TOXICITES**  
[72] SEALFON, STUART, US  
[72] WURMBACH, ELISA, US  
[72] YUEN, TONY, US  
[71] MOUNT SINAI SCHOOL OF MEDICINE, US  
[85] 2004-02-13  
[86] 2002-08-14 (PCT/US2002/025772)  
[87] 2003-02-27 (WO2003/016327)  
[30] US (60/312,220) 2001-08-14  
[30] US (60/324,895) 2001-09-26

[21] **2,457,587**  
[13] A1

[51] **Int.Cl. 7A45D 40/00**  
[25] EN  
[54] **IMPROVED LIP PRODUCT APPLICATOR**  
[54] **APPLICATEUR AMELIORE DE PRODUIT POUR LEVRES**  
[72] BREIDEBACH, DIANE C., US  
[72] MILLE, LAURENCE W., US  
[71] BREIDEBACH, DIANE C., US  
[71] MILLE, LAURENCE W., US  
[85] 2004-02-19  
[86] 2002-08-17 (PCT/US2002/026230)  
[87] 2003-03-06 (WO2003/017799)  
[30] US (09/934,076) 2001-08-21

[21] **2,457,616**  
[13] A1

[51] **Int.Cl. 7A61B 5/00 7A61B 5/07**  
[25] FR  
[54] **DISPOSITIF DE MESURE D'AU MOINS UN PARAMETRE PHYSIQUE DANS UNE CAVITE DE L'ORGANISME D'UN ETRE VIVANT**  
[54] **DEVICE FOR MEASURING AT LEAST A PHYSICAL PARAMETER IN A CAVITY OF THE ORGANISM OF A LIVING BEING**  
[72] MEYER, SYLVAIN, CH  
[71] MEYER, SYLVAIN, CH  
[85] 2004-02-13  
[86] 2002-08-14 (PCT/CH2002/000444)  
[87] 2003-02-27 (WO2003/015625)  
[30] FR (0110844) 2001-08-16

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[21] **2,457,628**  
[13] A1

[51] **Int.Cl. 7G09F 3/04 7G09F 3/10 7G02B 5/128**  
[25] EN  
[54] **REMOVABLE  
RETROREFLECTIVE MATERIAL  
[54] MATERIAU  
RETROREFLECHISSANT AMOVIBLE**  
[72] ERICKSEN, MARY A., US  
[71] 3M INNOVATIVE PROPERTIES  
COMPANY, US  
[85] 2004-02-19  
[86] 2002-07-02 (PCT/US2002/021164)  
[87] 2003-02-27 (WO2003/017236)  
[30] US (09/934,031) 2001-08-20

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[21] **2,457,751**  
[13] A1

[51] **Int.Cl. 7B05B 11/00**  
[25] EN  
[54] **SPRAYER AND FILTER  
THEREFOR  
[54] PULVERISATEUR ET FILTRE  
ASSOCIE**  
[72] HORSTMAN, RICHARD  
LAWRENCE, US  
[72] BARTSCH, ERIC RICHARD, US  
[72] DENHAM, JONATHAN GEORGE, US  
[72] SHEPPARD, JOHN EDWARD, GB  
[72] STEVENS, RICHARD JOHN, GB  
[72] WANLESS, RONALD HOWARD, US  
[72] WOOTON, JOHN ALLEN, US  
[71] THE PROCTER & GAMBLE  
COMPANY, US  
[85] 2004-02-12  
[86] 2002-06-03 (PCT/US2002/017415)  
[87] 2003-03-20 (WO2003/022447)  
[30] US (09/950,841) 2001-09-11

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[21] **2,457,768**  
[13] A1

[51] **Int.Cl. 7C08F 20/18 7C10L 1/10  
7C10M 145/14 7C08F 220/18 7C08F 2/24**  
[25] FR  
[54] **DISPERSIONS DE LATEX DE  
POLYMERES ACRYLIQUES COMME  
ADDITIFS POUR L'INHIBITION DU  
DEPOT DE PARAFFINES DANS LES  
HUILES BRUTES ET COMPOSITIONS  
LES CONTENANT  
[54] ACRYLIC POLYMER LATEX  
DISPERSIONS AS ADDITIVES FOR  
INHIBITING PARAFFIN DEPOSITS IN  
CRUDE OILS AND COMPOSITIONS  
CONTAINING SAME**  
[72] BALOCHE, ALAIN, FR  
[72] POU, TONG EAK, FR  
[72] TRUSZKOWSKI, CAROLINE, FR  
[72] JUHUE, DIDIER, FR  
[72] PICARD, PHILIPPE, FR  
[71] CECA S.A., FR  
[85] 2004-02-12  
[86] 2002-08-02 (PCT/FR2002/002786)  
[87] 2003-02-20 (WO2003/014170)  
[30] FR (0110591) 2001-08-08

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[21] **2,457,772**  
[13] A1

[51] **Int.Cl. 7G01C 23/00**  
[25] FR  
[54] **INDICATEUR D'ATTITUDE POUR  
AERONEF  
[54] ATTITUDE INDICATOR FOR AN  
AIRCRAFT**  
[72] SACLE, JEROME, FR  
[71] THALES, FR  
[85] 2004-02-12  
[86] 2003-01-31 (PCT/FR2003/000302)  
[87] 2003-08-07 (WO2003/064976)  
[30] FR (02/01217) 2002-02-01

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[21] **2,457,783**  
[13] A1

[51] **Int.Cl. 7C12N 15/11 7A61P 35/00  
7A61P 19/02 7A61P 11/06 7A61P 9/10  
7A61K 31/7115**  
[25] EN  
[54] **OLIGONUCLEOTIDE  
COMPOSITIONS AND THEIR USE TO  
INDUCE APOPTOSIS  
[54] COMPOSITIONS  
OLIGONUCLEOTIDIQUES ET LEUR  
UTILISATION DANS L'INDUCTION DE  
L'APOPTOSE**  
[72] PHILLIPS, NIGEL C., CA  
[72] HOLAN, ZDENEK RICHARD, CA  
[72] FILION, MARIO C., CA  
[71] BIONICHE LIFE SCIENCES INC., CA  
[85] 2004-02-17  
[86] 2002-08-19 (PCT/IB2002/003323)  
[87] 2003-02-27 (WO2003/016528)  
[30] US (60/313,290) 2001-08-17

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[21] **2,457,789**  
[13] A1

[51] **Int.Cl. 7C12Q 1/68**  
[25] EN  
[54] **CONFORMATION-ACTIVITY  
RELATIONSHIP OF APOPTOSIS-  
INDUCING PHOSPHODIESTER  
OLIGONUCLEOTIDES  
[54] RELATION DE L'ACTIVITE DE  
CONFORMATION DES  
OLIGONUCLEOTIDES  
PHOSPHODIESTER INDUISANT  
L'APOPTOSE**  
[72] HOLAN, ZDENEK RICHARD, CA  
[72] FILION, MARIO C., CA  
[72] PHILLIPS, NIGEL C., CA  
[71] BIONICHE LIFE SCIENCES INC., CA  
[85] 2004-02-17  
[86] 2002-08-19 (PCT/IB2002/003324)  
[87] 2003-02-27 (WO2003/016567)  
[30] US (60/313,290) 2001-08-17

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[21] **2,457,804**  
[13] A1

[51] **Int.Cl. 7C12Q 1/68 7A61K 9/14**  
[25] EN  
[54] **TRANSCUTANEOUS IMMUNIZATION AGAINST PAPILLOMAVIRUS WITH PAPILLOMAVIRUS VIRUS-LIKE PARTICLES**  
[54] **IMMUNISATION TRANSCUTANEE CONTRE LE PAPILLOMAVIRUS AVEC UN VIRUS DE TYPE PAPILLOMAVIRUS**  
[72] ROSE, ROBERT C., US  
[71] UNIVERSITY OF ROCHESTER, US  
[85] 2004-02-13  
[86] 2002-08-09 (PCT/US2002/025391)  
[87] 2003-12-18 (WO2003/103570)  
[30] US (60/311,901) 2001-08-13  
[30] US (60/377,023) 2002-05-01

[21] **2,457,832**  
[13] A1

[51] **Int.Cl. 7G02F 1/167**  
[25] EN  
[54] **ELECTROPHORETIC DISPLAY WITH DUAL-MODE SWITCHING**  
[54] **AFFICHEUR ELECTROPHORETIQUE A MODE DE COMMUTATION DOUBLE**  
[72] LIANG, RONG-CHANG, US  
[72] CHEN, DAVID, US  
[72] CHUNG, JERRY, US  
[71] SIPIX IMAGING, INC., US  
[85] 2004-02-17  
[86] 2002-08-16 (PCT/US2002/026077)  
[87] 2003-02-27 (WO2003/016993)  
[30] US (60/313,146) 2001-08-17

[21] **2,457,834**  
[13] A1

[51] **Int.Cl. 7G11B 20/00 7G11B 27/36**  
[25] EN  
[54] **SYSTEMS AND METHODS FOR MEDIA AUTHENTICATION**  
[54] **SYSTEMES ET PROCEDES D'AUTHENTIFICATION DE SUPPORTS**  
[72] LEE, ANDREW R., US  
[72] MERKLE, JAMES ALBERT, JR., US  
[72] HOWARD, DANIEL G., US  
[72] LEVINE, RICHARD B., US  
[71] ECD SYSTEMS, INC., US  
[85] 2004-02-17  
[86] 2002-08-20 (PCT/US2002/026458)  
[87] 2003-02-27 (WO2003/017202)  
[30] US (60,313,952) 2001-08-21  
[30] US (60/340,506) 2001-12-14  
[30] US (60/349,075) 2002-01-16  
[30] US (10/062,400) 2002-02-01

[21] **2,457,835**  
[13] A1

[51] **Int.Cl. 7C07D 473/18**  
[25] EN  
[54] **CRYSTALLINE FORMS OF VALACYCLOVIR HYDROCHLORIDE**  
[54] **FORMES CRISTALLINES DE CHLORHYDRATE DE VALACYCLOVIR**  
[72] ARONHIME, JUDITH, IL  
[72] WIZEL, SHLOMIT, IL  
[72] NISNEVICH, GENNADY A., IL  
[72] PERTSIKOV, BORIS, IL  
[72] ETINGER, MARINA YU, IL  
[72] DOLITZKY, BEN-ZION, IL  
[72] TISHIN, BORIS, IL  
[72] YUZEFOVICH, MICHAEL, IL  
[72] BLASBERGER, DINA, IL  
[72] NIDDAM-HILDESHEIM, VALERIE, IL  
[71] TEVA PHARMACEUTICAL INDUSTRIES LTD., IL  
[85] 2004-02-17  
[86] 2002-09-06 (PCT/US2002/028517)  
[87] 2003-03-20 (WO2003/022209)  
[30] US (60/317,850) 2001-09-07  
[30] US (60,342,273) 2001-12-21  
[30] US (60/386,505) 2002-06-05  
[30] US (60/403,838) 2002-08-14

[21] **2,457,836**  
[13] A1

[51] **Int.Cl. 7A61K 31/426 7A61P 9/00 7A61P 43/00 7A61P 9/10 7C07D 277/34**  
[25] EN  
[54] **PREVENTIVE AND/OR REMEDIAL AGENT FOR DISEASE ATTRIBUTABLE TO ARTERIOSCLEROTIC ACTIVITY**  
[54] **AGENT PROPHYLACTIQUE ET/OU CURATIF POUR LES MALADIES INDUITES PAR L'ACTIVITE DE L'ARTERIOSCLEROSE**  
[72] ISHII, SHINICHI, JP  
[72] SASAKI, KAZUYO, JP  
[72] UENO, HIROAKI, JP  
[71] MITSUBISHI PHARMA CORPORATION, JP  
[85] 2004-02-17  
[86] 2002-08-21 (PCT/JP2002/008398)  
[87] 2003-03-06 (WO2003/018010)  
[30] JP (2001-252388) 2001-08-23

[21] **2,457,838**  
[13] A1

[51] **Int.Cl. 7A61K 31/506 7A61P 35/00 7C07D 401/12 7C07D 403/12 7C07D 401/14 7C07D 405/14 7C07D 413/14 7C07D 417/14**  
[25] EN  
[54] **2,4-DISUBSTITUTED PYRIMIDINYL DERIVATIVES FOR USE AS ANTICANCER AGENTS**  
[54] **DERIVES PYRIMIDINYLE 2,4-BISUBSTITUES UTILES EN TANT QU'AGENTS ANTICANCEREUX**  
[72] NAPIER, SPENCER CHARLES R., GB  
[72] BOOKER, SHON, US  
[72] BUCHANAN, JOHN L., US  
[72] NOVAK, PERRY M., US  
[72] ZHU, XIAOTIAN, US  
[72] VAN DER PLAS, SIMON, US  
[72] HARMANGE, JEAN-CHRISTOPHE, US  
[72] CHAFFEE, STUART, US  
[71] AMGEN, INC., US  
[85] 2004-02-17  
[86] 2002-08-22 (PCT/US2002/026870)  
[87] 2003-03-06 (WO2003/018021)  
[30] US (60/314,339) 2001-08-22  
[30] US (10/225,783) 2002-08-21

[21] **2,457,840**  
[13] A1

[51] **Int.Cl. 7A61K 38/17**  
[25] EN  
[54] **HDL FOR THE TREATMENT OF STROKE AND OTHER ISCHEMIC CONDITIONS**  
[54] **LIPOPROTEINES DE HAUTE DENSITE (HDL) POUR LE TRAITEMENT DES ACCIDENTS VASCULAIRES CEREBRAUX (AVC) ET AUTRES EVENEMENTS ISCHEMIQUES**  
[72] PATERNO, ROBERTO, IT  
[72] LERCH, PETER G., CH  
[72] LANG, MARKUS G., CH  
[72] HUBSCH, ALPHONSE, CH  
[71] ZLB BIOPLASMA AG, CH  
[85] 2004-02-17  
[86] 2002-08-20 (PCT/EP2002/009294)  
[87] 2003-03-06 (WO2003/018047)  
[30] EP (01120026.8) 2001-08-20  
[30] US (60/313,605) 2001-08-20

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[21] **2,457,841**  
[13] A1

[51] **Int.Cl. 7A61M 35/00**  
[25] EN  
[54] **ANTISEPTIC PREOPERATIVE APPLICATOR**  
[54] **APPLICATEUR PREOPERATOIRE ANTISEPTIQUE**  
[72] HIDLE, REX A., US  
[72] GENTRY, SHAWN B., US  
[71] HEALTHPOINT, LTD., US  
[85] 2004-02-17  
[86] 2002-07-02 (PCT/US2002/020901)  
[87] 2003-03-06 (WO2003/018103)  
[30] US (09/934,142) 2001-08-21

[21] **2,457,842**  
[13] A1

[51] **Int.Cl. 7B32B 7/02 7B32B 5/16 7H01B 1/20**  
[25] EN  
[54] **STRAIN GAUGES**  
[54] **EXTENSOMETRES**  
[72] REDA, TORSTEN, AU  
[72] RAGUSE, BURKHARD, AU  
[72] HERMANN, JAN, AU  
[72] WILSON, ALAN RICHARD, AU  
[71] COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION, AU  
[71] THE COMMONWEALTH OF AUSTRALIA AS REPRESENTED BY THE DEFENCE SCIENCE AND TECHNOLOGY ORGANISATION OF THE DEPARTMENT OF DEFENCE, AU  
[85] 2004-02-17  
[86] 2002-08-26 (PCT/AU2002/001133)  
[87] 2003-03-06 (WO2003/018307)  
[30] AU (PR 7256) 2001-08-24

[21] **2,457,859**  
[13] A1

[51] **Int.Cl. 7B05B 15/04**  
[25] EN  
[54] **REMOVABLE PROTECTIVE COVERING**  
[54] **REVEITEMENT DE PROTECTION AMOVIBLE**  
[72] TRPKOVSKI, PAUL, US  
[71] CARDINAL IG COMPANY, US  
[85] 2004-02-17  
[86] 2002-08-27 (PCT/US2002/027270)  
[87] 2003-03-13 (WO2003/020439)  
[30] US (09/940,970) 2001-08-28  
[30] US (10/076,211) 2002-02-12  
[30] US (10/227,979) 2002-08-26

[21] **2,457,861**  
[13] A1

[51] **Int.Cl. 7C07D 401/04 7A61P 31/18 7A61K 31/435**  
[25] EN  
[54] **PIPERIDINE DERIVATIVES USEFUL AS CCR5 ANTAGONISTS**  
[54] **DERIVES DE LA PIPERIDINE UTILISES COMME ANTAGONISTES DU CCR5**  
[72] MILLER, MICHAEL W., US  
[72] PALANI, ANANDAN, US  
[72] SCOTT, JACK D., US  
[71] SCHERING CORPORATION, US  
[85] 2004-02-17  
[86] 2002-08-28 (PCT/US2002/027389)  
[87] 2003-03-13 (WO2003/020716)  
[30] US (60/315,683) 2001-08-29

[21] **2,457,862**  
[13] A1

[51] **Int.Cl. 7C09C 1/00 7C09D 5/36**  
[25] EN  
[54] **INK COMPOSITION COMPRISING OPTICALLY VARIABLE PIGMENTS, USE OF THE COMPOSITION, OPTICALLY VARIABLE PIGMENT AND METHOD OF TREATING SAID PIGMENT**  
[54] **COMPOSITION D'ENCRE COMPRENANT DES PIGMENTS A VARIABILITE OPTIQUE, UTILISATION DE CETTE COMPOSITION ET PROCEDE DE TRAITEMENT DE CE PIGMENT**  
[72] VUARNOZ, ALINE, CH  
[72] AMREIN, OLIVIER, CH  
[72] VEYA, PATRICK, CH  
[71] SICPA HOLDING S.A., CH  
[85] 2004-02-17  
[86] 2002-08-15 (PCT/EP2002/009133)  
[87] 2003-03-13 (WO2003/020834)  
[30] EP (01120499.7) 2001-08-28

[21] **2,457,864**  
[13] A1

[51] **Int.Cl. 7C09D 11/10**  
[25] EN  
[54] **WATER-BASED SCREEN PRINTING INK**  
[54] **ENCRE D'IMPRESSON SERIGRAPHIQUE A BASE D'EAU**  
[72] MENOUD, ALINE, CH  
[72] VEYA, PATRICK, CH  
[71] SICPA HOLDING S.A., CH  
[85] 2004-02-17  
[86] 2002-08-15 (PCT/EP2002/009132)  
[87] 2003-03-13 (WO2003/020835)  
[30] EP (01120500.2) 2001-08-28

[21] **2,457,865**  
[13] A1

[51] **Int.Cl. 7C07K 14/18 7C12N 7/00 7C07K 16/10 7A61K 39/12 7C12N 15/40 7G01N 33/576 7C12Q 1/68 7C12Q 1/70**  
[25] EN  
[54] **NEW HEPATITIS C VIRUS GENOTYPE, AND ITS USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC AGENT**  
[54] **NOUVEAU GENOTYPE DU VIRUS DE L'HEPATITE C, ET SON UTILISATION EN TANT QU'AGENT PROPHYLACTIQUE, THERAPEUTIQUE ET DIAGNOSTIQUE**  
[72] QUINT, WIM, NL  
[72] VAN DOORN, LEEN-JAN, NL  
[72] SABLON, ERWIN, BE  
[71] INNOGENETICS N.V., BE  
[85] 2004-02-17  
[86] 2002-08-30 (PCT/EP2002/009731)  
[87] 2003-03-13 (WO2003/020970)  
[30] EP (01120969.9) 2001-08-31  
[30] US (60/345,642) 2002-01-08

[21] **2,457,866**  
[13] A1

[51] **Int.Cl. 7H04Q 7/22**  
[25] EN  
[54] **MOBILE PHONE TELEPHONY**  
[54] **PROCEDE DE TELEPHONIE POUR TELEPHONES MOBILES**  
[72] BABBAGE, HENRY JOHN, GB  
[72] HOSIE, NADIA, GB  
[72] BENHAM, MARY, GB  
[72] MARTIN, STEPHEN IAN, GB  
[71] MARCONI UK INTELLECTUAL PROPERTY LIMITED, GB  
[85] 2004-02-17  
[86] 2002-08-23 (PCT/GB2002/003905)  
[87] 2003-03-13 (WO2003/021983)  
[30] GB (0121094.7) 2001-08-31

[21] **2,457,867**  
[13] A1

[51] **Int.Cl. 7F01L 3/08**  
[25] EN  
[54] **VALVE STEM SEAL ASSEMBLY WITH VALVE GUIDE RETAINER**  
[54] **ASSEMBLAGE DE TIGE DE SOUPAPE AVEC ARRETOIR DE GUIDE DE SOUPAPE**  
[72] LEIMER, MARK ALAN, US  
[71] DANA CORPORATION, US  
[85] 2004-02-17  
[86] 2002-08-19 (PCT/US2002/026425)  
[87] 2003-03-13 (WO2003/021085)  
[30] US (09/942,020) 2001-08-28



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[21] **2,457,868**  
[13] A1

[51] **Int.Cl. 7G01N 37/00**  
[25] EN  
[54] **STABLE RADIOCHROMIC DOSIMETRY FILM AND PROCESS**  
[54] **FILM DOSIMETRIQUE RADIOCHROMIQUE STABLE ET PROCEDE**  
[72] SHIH, HSIAO-YI, US  
[72] LEWIS, DAVID F., US  
[72] ANYUMBA, JANETTE, US  
[71] ISP INVESTMENTS INC., US  
[85] 2004-02-17  
[86] 2002-08-28 (PCT/US2002/027271)  
[87] 2003-03-13 (WO2003/021276)  
[30] US (60/315,865) 2001-08-28

[21] **2,457,869**  
[13] A1

[51] **Int.Cl. 7H01S 3/11 7H01S 3/22**  
[25] EN  
[54] **VERY NARROW BAND, TWO CHAMBER, HIGH REP RATE GAS DISCHARGE LASER SYSTEM**  
[54] **SYSTEME LASER A DECHARGE GAZEUSE A DEUX CHAMBRES, A BANDE TRES ETROITE, ET A VITESSE DE REPETITION ELEVEE**  
[72] MYERS, DAVID W., US  
[72] HULBURD, WILLIAM G., US  
[72] DAS, PLASH P., US  
[72] SANDSTROM, RICHARD L., US  
[72] ONKELS, ECKEHARD D., US  
[72] SMITH, SCOTT T., US  
[72] PARTLO, WILLIAM N., US  
[72] ERSHOV, ALEXANDER I., US  
[72] NESS, RICHARD M., US  
[72] ANDERSON, STUART L., US  
[72] UJAZDOWSKI, RICHARD C., US  
[72] OICLES, JEFFREY, US  
[72] BESAUCELE, HERVE A., US  
[72] KNOWLES, DAVID S., US  
[72] BROWN, DANIEL J. W., US  
[72] FOMENKOV, IGOR V., US  
[71] CYMER, INC., US  
[85] 2004-02-17  
[86] 2002-08-28 (PCT/US2002/027925)  
[87] 2003-03-13 (WO2003/021728)  
[30] US (09/943,343) 2001-08-29  
[30] US (10/006,913) 2001-11-29  
[30] US (10/012,002) 2001-11-30

[21] **2,457,876**  
[13] A1

[51] **Int.Cl. 7C08G 65/00**  
[25] EN  
[54] **PROCESS FOR THE PREPARATION OF ACTIVATED POLYETHYLENE GLYCOLS**  
[54] **PROCEDE DE PREPARATION RAPIDE DE POLYETHYLENEGLYCOLS ACTIVES**  
[72] FAURE, MARIE-PIERRE, CA  
[72] IBEA, MICHEL, CA  
[71] BIOARTIFICIAL GEL TECHNOLOGIES INC., CA  
[85] 2004-02-17  
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[87] 2003-03-06 (WO2003/018665)  
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[54] **PROCEDE ET SYSTEME DE TRANSMISSION DE VIBRATIONS ACOUSTIQUES MULTIFREQUENCES**  
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[54] **UNITE D'ABONNE METTANT EN OEUVRE UNE DEMANDE AUTOMATIQUE DE REPETITION PAR COUCHE PHYSIQUE**  
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[71] INTERDIGITAL TECHNOLOGY CORPORATION, US  
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[54] **METHOD FOR MODIFICATION OF STARCH, STARCH AND ITS USE**  
[54] **PROCESSUS DE MODIFICATION D'AMIDON ET UTILISATION DE CET AMIDON**  
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[72] KETOLA, HANNU, FI  
[72] LAINE, TIMO, FI  
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[54] **DOSAGES PCR MULTIPLEX FLUORESCENTS DE VIRUS DU PAPILOME HUMAIN (HPV) METTANT EN OEUVRE DE MULTIPLES FLUOROPHORES**  
[72] JANSEN, KATHRIN U., US  
[72] TADDEO, FRANK J., US  
[72] LI, WEILI, US  
[72] DICELLO, ANTHONY C., US  
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[54] **STABILISATION DE CELLULES ET DE SPECIMENS BIOLOGIQUES POUR L'ANALYSE**  
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[72] RUTNER, HERMAN, US  
[72] HERMANN, MELISSA, US  
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[54] **COMPOSITIONS DE PROSTAGLANDINE ET PROCEDES DE TRAITEMENT DE TROUBLES DE L'ERECTION CHEZ L'HOMME**  
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[54] **SYSTEME DE SURVEILLANCE DE LA QUALITE DE L'AIR ET DE GESTION DE L'ESPACE RELIE A UN RESEAU DE TELECOMMUNICATIONS PRIVE**  
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[71] PURECHOICE, INC., US  
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[72] CROZET, FRANCOIS, FR  
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[72] VERBRUGGE, ANDRE, FR  
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[54] **CAPTEUR D'IMAGE COULEUR SUR SUBSTRAT TRANSPARENT ET PROCEDE DE FABRICATION**  
[54] **COLOUR IMAGE SENSOR ON TRANSPARENT SUBSTRATE AND METHOD FOR MAKING SAME**  
[72] POURQUIER, ERIC, FR  
[72] BRISSOT, LOUIS, FR  
[71] ATMEL GRENOBLE SA, FR  
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[72] SHELTMAN, DAVID A., US  
[71] MATTEL, INC., US  
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[54] **PROCEDE DE FABRICATION DE CAPTEUR D'IMAGE COULEUR AVEC OUVERTURES DE CONTACT CREUSEES AVANT AMINCISSEMENT**  
[54] **METHOD FOR MAKING A COLOUR IMAGE SENSOR WITH RECESSED CONTACT APERTURES PRIOR TO THINNING**  
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[71] ATMEL GRENOBLE S.A., FR  
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[54] **DISPOSITIF DE PILE A COMBUSTIBLE ET PROCEDE DE RECIRCULATION DES GAZ D'ECHAPPEMENT**  
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[72] BARRETT, SCOTT NEIL, AU  
[71] CERAMIC FUEL CELLS LIMITED, AU  
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[54] **SILICON CARBIDE POWER MOSFETS HAVING A SHORTING CHANNEL AND METHODS OF FABRICATION THEM**  
[54] **TRANSISTORS DE PUISSANCE A EFFET DE CHAMP A SEMI-CONDUCTEUR A OXYDE METALLIQUE EN CARBURE DE SILICIUM A CANAL COURT-CIRCUIT ET LEURS PROCEDES DE FABRICATION**  
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[72] SINGH, RANBIR, US  
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[72] TEITELBAUM, GEORGE P., US  
[72] PHAM, TO V., US  
[72] NGUYEN, THANH VAN, US  
[72] DABNEY, JAMES H., US  
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[54] **NOUVEAUX ANALOGUES DE PYRAZOLE AGISSANT SUR LES RECEPTEURS CANNABINOIDES**  
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[72] LIU, QIAN, US  
[71] UNIVERSITY OF CONNECTICUT, US  
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[72] THORDAHL, JENS ERIK, DK  
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[54] **FATTY ACID ANALOGUES FOR THE TREATMENT OF INFLAMMATORY AND AUTOIMMUNE DISORDERS**  
[54] **ANALOGUES D'ACIDE GRAS DESTINES AU TRAITEMENT DE TROUBLES INFLAMMATOIRES ET AUTO-IMMUNS**  
[72] AUKRUST, PAL, NO  
[72] BERGE, ROLF, NO  
[71] THIA MEDICA AS, NO  
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[54] **COMPOSITIONS PHARMACEUTIQUES POUR LE TRAITEMENT DE L'ASTHME**  
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[72] SEQUEIRA, JOEL A., US  
[72] HART, JOHN L., US  
[71] SCHERING CORPORATION, US  
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[25] EN  
[54] **SHINGLE GRANULE VALVE AND METHOD OF DEPOSITING GRANULES ONTO A MOVING SUBSTRATE**  
[54] **DISTRIBUTEUR DE GRANULES POUR BARDEAUX ET PROCEDE POUR DEPOSER DES GRANULES SUR UN SUBSTRAT EN MOUVEMENT**  
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[71] OWENS CORNING, US  
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[54] **COMPOSITIONS ALIMENTAIRES POUR RUMINANTS CONTENANT DES METAUX**  
[72] DUNN, JAMES L., US  
[72] DOANE, PERRY H., US  
[72] CECAVA, MICHAEL J., US  
[71] ARCHER-DANIELS-MIDLAND COMPANY, US  
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[54] **REGULATEURS ET MODULATEURS DE CANAUX SODIQUES**  
[72] BAKER, MARK, GB  
[72] POON, LOUISA, GB  
[72] WOOD, JOHN NICHOLAS, GB  
[72] OKUSE, KENJI, GB  
[72] MALIK-HALL, MISBAH, GB  
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[54] **METHOD AND APPARATUS FOR OPTICAL BEAM ALIGNMENT DETECTION AND CONTROL**  
[54] **PROCEDE ET SYSTEME DE DETECTION ET DE CONTROLE DE L'ALIGNEMENT D'UN FAISCEAU OPTIQUE**  
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[71] GLIMMERGLASS NETWORKS, INC., US  
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[54] **INFORMATIONAL OBJECT AUTHORIZING AND DISTRIBUTION SYSTEM**  
[54] **SYSTEME DE DISTRIBUTION ET DE CREATION D'OBJETS D'INFORMATION**  
[72] STONE, MARVIN L., US  
[72] HOLCOMBE, STEVEN L., US  
[71] PARDALIS SOFTWARE, INC., US  
[85] 2004-02-18  
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[25] EN  
[54] **PREPARATION OF A CONDUCTIVE LIQUID SILICONE RUBBER COMPOSITION**  
[54] **PREPARATION D'UNE COMPOSITION DE CAOUTCHOUC DE SILICONE LIQUIDE**  
[72] HIGUCHI, KAZUO, JP  
[72] KURUSU, HIDETOSHI, JP  
[72] NAKAMURA, AKITO, JP  
[71] DOW CORNING TORAY SILICONE CO., LTD., JP  
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[54] **REHABILITATIVE SHOE INSOLE DEVICE**  
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[72] GARDINER, ROY J. W., CA  
[71] BAREFOOT SCIENCE TECHNOLOGIES INC., CA  
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[54] **REVETEMENTS EN DISPERSION NON AQUEUSE A FAIBLE TENEUR EN COMPOSES ORGANIQUES VOLATILS**  
[72] RAO, MADHUKAR, US  
[72] TOMKO, RICHARD F., US  
[72] MCJUNKINS, JOSEPH L., US  
[72] CROYLE, MATTHEW V., US  
[71] THE SHERWIN-WILLIAMS COMPANY, US  
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[54] **FILM PLASTIQUE A REVETEMENT IMPRIMABLE COMPRENANT UN EPOXY ACRYLATE**  
[72] TOUHSAGENT, ROBERT E., US  
[71] EXXONMOBIL OIL CORPORATION, US  
[85] 2003-08-27  
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[25] EN  
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[54] **MACHINE PERMETTANT DE RECUPERER DES RESIDUS FORESTIERS, AGRICOLES ET/OU URBAINS**  
[72] GARCIA GARCIA, FRANCISCO, ES  
[71] RECUPERACION Y TRATAMIENTO DE BIOMASA-TRABISA S.L., ES  
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[54] **COMPOSITION A USAGES MULTIPLES POUR VOLAILLE**  
[72] CHI, FRANCIS, HK  
[72] WEN, QIN TANG, HK  
[72] LU, TIAN SHUI, HK  
[71] WALCOM ANIMAL SCIENCE (I.P.2) LIMITED, CN  
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[25] EN  
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[54] **METHODE DE TRAITEMENT DE LA CONSTRICTION BRONCHIALE ET DU BRONCHOSPASME**  
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[71] CELLULAR SCIENCES, INC., US  
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[54] **HAPTIC INTERFACE**  
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[71] BRITISH TELECOMMUNICATIONS PUBLIC LIMITED COMPANY, GB  
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[51] **Int.Cl. 7A61K 38/00 7A61K 39/00 7A61P 35/04 7A61K 39/145 7A61P 31/16**  
[25] EN  
[54] **STABILISED MRNA WITH AN INCREASED G/C CONTENT AND OPTIMISED CODON FOR USE IN GENE THERAPY**  
[54] **COMPOSITION PHARMACEUTIQUE CONTENANT UN ARNM STABILISE ET OPTIMISE POUR LA TRADUCTION DANS SES REGIONS CODANTES**  
[72] PASCOLO, STEVE, DE  
[72] VON DER MUELBE, FLORIAN, DE  
[72] HOERR, INGMAR, DE  
[71] CUREVAC GMBH, DE  
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[30] DE (101 27 283.9) 2001-06-05

[21] **2,457,960**  
[13] A1

[51] **Int.Cl. 7H04L 12/46**  
[25] EN  
[54] **NETWORK CONNECTION APPARATUS, CONNECTION SYSTEM, AND NETWORK CONNECTION METHOD**  
[54] **CONNECTEUR DE RESEAU, SYSTEME ET PROCEDE DE CONNEXION DE RESEAU**  
[72] MATSUI, YASUNORI, JP  
[71] SONY CORPORATION, JP  
[85] 2004-02-18  
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[87] 2003-03-13 (WO2003/021883)  
[30] JP (2001-264470) 2001-08-31

[21] **2,457,961**  
[13] A1

[51] **Int.Cl. 7B32B 7/10**  
[25] EN  
[54] **MASKING GLASS**  
[54] **VERRE DE MASQUAGE**  
[72] TRPKOVSKI, PAUL, US  
[71] CARDINAL IG COMPANY, US  
[85] 2004-02-18  
[86] 2002-03-07 (PCT/US2002/007090)  
[87] 2003-03-13 (WO2003/021067)  
[30] US (09/940,970) 2001-08-28

[21] **2,457,962**  
[13] A1

[51] **Int.Cl. 7G06F 17/60 7G06F 19/00**  
[25] EN  
[54] **A SYSTEM AND USER INTERFACE FOR PROCESSING TASK SCHEDULE INFORMATION**  
[54] **SYSTEME ET INTERFACE D'UTILISATEUR POUR L'ETABLISSEMENT DE PRIORITE D'UN PROGRAMME DE TACHES DE TRAITEMENT**  
[72] BRANDT, SAMUEL I., US  
[72] DEHAAN, JAN, US  
[71] SIEMENS MEDICAL SOLUTIONS HEALTH SERVICES CORPORATION, US  
[85] 2004-02-18  
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[87] 2003-03-13 (WO2003/021509)  
[30] US (60/316,604) 2001-08-31  
[30] US (10/114,218) 2002-04-02

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[13] A1

[51] **Int.Cl. 7B60C 7/18 7B60C 7/00 7B60B 9/04 7B60C 7/14 7B60B 9/26**  
[25] EN  
[54] **NON-PNEUMATIC TIRE**  
[54] **PNEU NON PNEUMATIQUE**  
[72] THOMPSON, RONALD H., US  
[72] CRON, STEVEN M., US  
[72] DEMINO, KENNETH W., US  
[72] RHYNE, TIMOTHY B., US  
[71] MICHELIN RECHERCHE ET TECHNIQUE, CH  
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[25] EN  
[54] **PIPERAZINONE COMPOUNDS AS ANTI-TUMOR AND ANTI-CANCER AGENTS AND METHODS OF TREATMENT**  
[54] **COMPOSES DE PIPERAZINONE UTILISES COMME AGENTS ANTITUMORAUX ET ANTICANCEREUX ET PROCEDES DE TRAITEMENT**  
[72] HAMILTON, ANDREW D., US  
[72] PENG, HAIRUO, US  
[72] SEBTI, SAID, US  
[71] YALE UNIVERSITY, US  
[71] UNIVERSITY OF SOUTH FLORIDA, US  
[85] 2004-02-18  
[86] 2002-08-23 (PCT/US2002/026881)  
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[51] **Int.Cl. 7B60L 9/30**  
[25] FR  
[54] **ALIMENTATION ELECTRIQUE A TENSIONS MULTIPLES POUR VEHICULE FERROVIAIRE**  
[54] **MULTIPLE-VOLTAGE POWER SUPPLY FOR RAILWAY VEHICLE**  
[72] MAFFEI, RAPHAEL, BE  
[72] DELECLUSE, CHRISTOPHE, BE  
[72] COLASSE, ALEXIS, BE  
[71] ALSTOM BELGIUM S.A., BE  
[85] 2004-02-18  
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[87] 2003-03-06 (WO2003/018346)  
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[13] A1

[51] **Int.Cl. 7A61K 31/506 7A61P 35/00 7C07D 413/12 7C07D 417/12 7C07D 413/14 7C07D 417/14**  
[25] EN  
[54] **2-AMINO-4-HETEROARYLAMINOPYRIMIDINE DERIVATIVES FOR USE IN THE TREATMENT OF CANCER**  
[54] **DERIVES DE 2-AMINO-4-HETEROARYLAMINOPYRIMIDINE POUVANT ETRE UTILISES POUR TRAITER LE CANCER**  
[72] ZHU, XIAOTIAN, US  
[72] HARMANGE, JEAN-CHRISTOPHE, US  
[72] BUCHANAN, JOHN L., US  
[72] CHAFFEE, STUART, US  
[72] NOVAK, PERRY M., US  
[71] AMGEN INC., US  
[85] 2004-02-18  
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[51] **Int.Cl. 7A61K 31/40 7C07D 401/04 7A61P 25/04 7C07D 207/06 7C07D 207/20 7C07D 207/22 7C07D 207/26 7A61K 31/44 7C07D 209/96**  
[25] EN  
[54] **ANALGETIC PYRROLINE DERIVATIVES**  
[54] **ANALGESIQUES ET METHODES D'UTILISATION**  
[72] SMITH-CARLISS, RICHARD, US  
[72] CARUSO, FRANK S., US  
[72] XIAO, YINGXIAN, US  
[72] CROOKS, PHD PETER, US  
[72] KELLAR, KENNETH J., US  
[71] ENDO PHARMACEUTICALS, INC., US  
[85] 2004-02-18  
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[13] A1

[51] **Int.Cl. 7F42B 12/06 7F42B 12/34**  
[25] EN  
[54] **PIERCING BULLET AND METHOD FOR MANUFACTURING THEREOF**  
[54] **BALLE PERFORANTE ET PROCEDE DE FABRICATION ASSOCIE**  
[72] LIBRA, VLASTIMIL, CZ  
[71] LIBRA, VLASTIMIL, CZ  
[85] 2004-02-18  
[86] 2003-03-05 (PCT/CZ2003/000016)  
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[30] CZ (PV 2002-1869) 2002-05-30

[21] **2,458,032**  
[13] A1

[51] **Int.Cl. 7B65G 47/71 7B65G 47/64**  
[25] EN  
[54] **DISTRIBUTION DEVICE**  
[54] **DISPOSITIF DE REPARTITION**  
[72] WEBER, GUENTHER, DE  
[71] WEBER MASCHINENBAU GMBH & CO. KG, DE  
[85] 2004-02-18  
[86] 2002-09-04 (PCT/EP2002/009907)  
[87] 2003-03-20 (WO2003/022716)  
[30] DE (101 43 506.1) 2001-09-05  
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[21] **2,458,037**  
[13] A1

[51] **Int.Cl. 7B29C 53/04 7F16L 59/06 7E04B 1/80**  
[25] EN  
[54] **METHOD FOR PRODUCING THERMO-INSULATING CYLINDRICAL VACUUM PANELS AND PANELS THEREBY OBTAINED**  
[54] **PROCEDE DE FABRICATION DE PANNEAUX CYLINDRIQUES THERMO-ISOLANTS ET PANNEAUX AINSI OBTENUS**  
[72] DI GREGORIO, PIERATTILIO, IT  
[71] SAES GETTERS S.P.A., IT  
[85] 2004-02-18  
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[30] IT (MI2001A002812) 2001-12-27

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[51] **Int.Cl. 7E04G 17/06**  
[25] EN  
[54] **A METHOD AND A FORM TIE FOR PRODUCING A WALL**  
[54] **PROCEDE ET ATTACHE DE COFFRAGE DESTINES A PRODUIRE UNE PAROI**  
[72] HENNINGSSON, STEFAN, SE  
[71] HENNINGSSON, STEFAN, SE  
[85] 2004-02-18  
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[13] A1  
[51] **Int.Cl. 7C08J 3/075**  
[25] EN  
[54] **SUPERABSORBENT-HYDROPHOBIC POLYMER TWO-PHASE COMPOSITIONS**  
[54] **COMPOSITIONS A DEUX PHASES DE POLYMERE HYDROPHOBE SUPER-ABSORBANT**  
[72] WIERCINSKI, ROBERT A., US  
[72] SUN, XIUDONG, US  
[71] W.R. GRACE & CO.-CONN., US  
[85] 2004-02-18  
[86] 2002-09-03 (PCT/US2002/028029)  
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[13] A1  
[51] **Int.Cl. 7D06P 3/24 7D06P 5/02**  
[25] EN  
[54] **PROCESS FOR RESTORING THE ORIGINAL APPEARANCE OF PARA-ARAMID CLOTHING**  
[54] **PROCEDE VISANT A RETABLIR L'ASPECT VISUEL D'UN VETEMENT EN TISSU PARA-ARAMIDE**  
[72] GHORASHI, HAMID MOAYED, US  
[72] YARBOROUGH, PORTIA D., US  
[71] E.I. DU PONT DE NEMOURS, US  
[85] 2004-02-18  
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[13] A1  
[51] **Int.Cl. 7D06P 3/24 7D06P 5/02**  
[25] EN  
[54] **PROCESS FOR RESTORING THE APPEARANCE OF PIGMENTED OR DYED PARA-ARAMID FABRIC**  
[54] **PROCEDE DE RETABLISSEMENT DE L'ASPECT DE TISSUS PARA-ARAMIDES PIGMENTES OU TEINTES APTES A LA TEINTURE**  
[72] GHORASHI, HAMID MOAYED, US  
[72] CAPT, ANDRE, CH  
[71] E.I. DU PONT DE NEMOURS, US  
[85] 2004-02-18  
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[13] A1  
[51] **Int.Cl. 7G06F 15/78**  
[25] EN  
[54] **PROGRAMMABLE GATE ARRAY HAVING INTERCONNECTING LOGIC TO SUPPORT EMBEDDED FIXED LOGIC CIRCUITRY**  
[54] **PREDIFFUSE PROGRAMMABLE A LOGIQUE D'INTERCONNEXION ASSURANT LE FONCTIONNEMENT DE CIRCUIT LOGIQUE FIXE INTEGRE**  
[72] DOUGLASS, STEPHEN M., US  
[72] YOUNG, STEVEN P., US  
[72] VASHI, MEHUL R., US  
[72] HERRON, NIGEL G., US  
[72] SOWARDS, JANE W., US  
[71] XILINX, INC., US  
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[87] 2003-04-10 (WO2003/030009)  
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[13] A1  
[51] **Int.Cl. 7A61F 13/15**  
[25] EN  
[54] **URINE DETECTION SYSTEM AND METHOD**  
[54] **SYSTEME ET METHODE DE DETECTION D'URINE**  
[72] SHAPIRA, SHMUEL, US  
[72] TSUR, RON A., US  
[71] SYSMORE, INC., US  
[85] 2004-02-18  
[86] 2002-09-24 (PCT/US2002/030461)  
[87] 2003-04-03 (WO2003/027636)  
[30] US (60/324,278) 2001-09-25  
[30] US (60/344,795) 2002-01-07  
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[30] US (60/354,530) 2002-02-08  
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[30] US (60/373,637) 2002-04-19  
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[13] A1  
[51] **Int.Cl. 7G06F 17/60**  
[25] EN  
[54] **DEVICES, APPLIANCES AND METHODS FOR THE DIFFUSION, BILLING, PAYMENT AND PLAYBACK OF DIGITAL MEDIA CONTENTS**  
[54] **DISPOSITIFS, APPAREILS ET PROCEDES DE DIFFUSION, DE FACTURATION, DE PAIEMENT ET DE LECTURE DE CONTENUS DE DONNEES NUMERIQUES**  
[72] ROLUS BORGWARD, GLENN, DE  
[71] VIRTUAL PAPER EMEDIA SOLUTIONS GMBH, DE  
[85] 2004-02-19  
[86] 2002-08-26 (PCT/EP2002/009511)  
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[30] DE (101 40 712.2) 2001-08-24  
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[13] A1  
[51] **Int.Cl. 7C03C 11/00**  
[25] EN  
[54] **IMPROVED FOAM GLASS PRODUCT**  
[54] **PRODUITS EN VERRE MOUSSE AMELIORES**  
[72] WANG, BO, US  
[71] ADVANCED MINERALS CORPORATION, US  
[85] 2004-02-19  
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[51] **Int.Cl. 7C12Q 1/68 7A61K 45/00  
7A61P 35/00 7G01N 33/50**

[25] EN

[54] **METHOD OF EVALUATING  
DEGREE OF CANCERATION OF  
MAMMAL-ORIGIN SPECIMEN**

[54] **EVALUATION DU NIVEAU DE  
CANCERISATION D'UN**

**PRELEVEMENT MAMMALIEN**

[72] USHIJIMA, TOSHIKAZU, JP

[72] MIYAMOTO, KAZUAKI, JP

[71] SUMITOMO CHEMICAL COMPANY,  
LIMITED, JP

[71] JAPAN AS REPRESENTED BY  
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CENTER, JP

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[51] **Int.Cl. 7C07K 14/00 7C07K 16/00  
7C12N 5/10 7C12N 15/12 7G01N 33/53  
7C12N 15/63**

[25] EN

[54] **ESTROGEN RECEPTOR ALPHA  
VARIANTS AND METHODS OF  
DETECTION THEREOF**

[54] **VARIANTES ALPHA DU  
RECEPTEUR D'OESTROGENES ET  
METHODES DE DETECTION  
ASSOCIEES**

[72] HWANG, SOON-IN STUART, US

[72] CASSEL, MICHAEL J., US

[72] KALUSH, FRANCIS, US

[72] WINN-DEEN, EMILY S., US

[71] APPLERA CORPORATION, US

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[13] A1

[51] **Int.Cl. 7C07H 21/02 7C12P 19/34**

[25] EN

[54] **MOLECULAR INTERACTING  
SITES OF 23S RIBOSOMAL RNA AND  
METHODS OF MODULATING THE  
SAME**

[54] **SITES D'INTERACTION**

**MOLECULAIRE DE L'ARN  
RIBOSOMAL 23S ET PROCEDES DE  
MODULATION DE CES DERNIERS**

[72] ECKER, DAVID J., US

[71] ISIS PHARMACEUTICALS, INC., US

[85] 2004-02-20

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[87] 2003-03-06 (WO2003/018750)

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[13] A1

[51] **Int.Cl. 7C12N 15/12**

[25] EN

[54] **DETERMINATION OF A GENETIC  
PREDISPOSITION FOR  
BEHAVIOURAL DISORDERS**

[54] **DETERMINATION D'UNE  
PREDISPOSITION GENETIQUE A DES  
TROUBLES COMPORTEMENTAUX**

[72] LYNCH, MICHAEL, AU

[72] WILLIAMSON, ROBERT, AU

[72] ELLIOTT, KATHERINE SEYMOUR,  
AU

[72] DE SILVA, MICHELLE GINA, AU

[72] DAHL, HANS-HENRIK

MARSTRAND, AU

[72] FORREST, SUSAN MARY, AU

[72] WILCOX, STEPHEN ANDREW, AU

[72] DELATYCKI, MARTIN, AU

[71] MURDOCH CHILDRENS RESEARCH  
INSTITUTE, AU

[85] 2003-10-28

[86] 2002-05-03 (PCT/AU2002/000556)

[87] 2002-11-14 (WO2002/090541)

[30] AU (PR 4756) 2001-05-03

[30] AU (PR 5426) 2001-06-04

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[13] A1

[51] **Int.Cl. 7A61K 31/535 7C07D 498/04  
7C07D 498/16**

[25] EN

[54] **THIENO-(1,3)-OXAZIN-4-ONES  
WITH LIPASE INHIBITING ACTIVITY**

[54] **ACTIVITE D'INHIBITION DE**

**MITCHELL, DALE ROBERT, GB**

[72] BIRAULT, VERONIQUE, GB

[72] HUNT, RUSSELL GEORGE, GB

[72] PALMER, RICHARD MICHAEL

JOHN, GB

[72] DUNK, CHRISTOPHER ROBERT, GB

[72] HODSON, HAROLD FRANCIS, GB

[71] ALIZYME THERAPEUTICS

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[87] 2003-03-13 (WO2003/020282)

[30] GB (0121019.4) 2001-08-30

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[21] **2,458,216**  
[13] A1

[51] **Int.Cl. 7A63C 9/081**

[25] EN

[54] **MOUNTING DISK FOR A  
SNOWBOARD BINDING**

[54] **DISQUE DE FIXATION POUR LE  
RACCORDEMENT DE SURFS DES  
NEIGES**

[72] DODGE, DAVID J., US

[71] DODGE, DAVID J., US

[85] 2004-02-20

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[87] 2003-03-13 (WO2003/020380)

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[13] A1  
[51] **Int.Cl. 7A63F 13/00**  
[25] EN  
[54] **GAMING DEVICE HAVING AN OFFER AND ACCEPTANCE SELECTION BONUS SCHEME WITH A TERMINATOR AND AN ANTI-TERMINATOR**  
[54] **DISPOSITIF DE JEUX DE HASARD PRESENTANT UN SYSTEME DE BONUS A CHOIX DE PROPOSITIONS ET D'ACCEPTATIONS COMPRENANT UN TERMINATEUR ET UN ANTI-TERMINATEUR**  
[72] PALMER, GREGG J., US  
[72] BAERLOCHER, ANTHONY J., US  
[72] WEBB, BAYARD S., US  
[71] IGT, US  
[85] 2004-02-20  
[86] 2002-08-07 (PCT/US2002/025044)  
[87] 2003-03-13 (WO2003/020387)  
[30] US (09/945,082) 2001-08-31

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[13] A1  
[51] **Int.Cl. 7A61K 7/16 7A61P 1/02 7A61K 31/415 7A61K 31/70 7A61K 31/7048**  
[25] EN  
[54] **ORAL RINSE FOR TREATMENT OR PREVENTION OF BACTERIAL AND FUNGAL INFECTION**  
[54] **BAIN DE BOUCHE POUR LE TRAITEMENT ET LA PREVENTION D'INFECTIONS BACTERIENNES ET FONGIQUES**  
[72] BOSY, ANNE, CA  
[72] GELLER, JULIAN, CA  
[71] MINTACO INC., CA  
[85] 2004-02-20  
[86] 2002-08-21 (PCT/CA2002/001293)  
[87] 2003-03-06 (WO2003/017960)  
[30] US (60/314,304) 2001-08-24

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[13] A1  
[51] **Int.Cl. 7C12N 15/10 7C12P 21/02 7G01N 33/68**  
[25] EN  
[54] **METHOD AND DEVICE FOR INTEGRATED PROTEIN EXPRESSION, PURIFICATION AND DETECTION**  
[54] **PROCEDE ET DISPOSITIF DESTINES A L'EXPRESSION, LA PURIFICATION ET LA DETECTION PROTEIQUES**  
[72] MCELROY, JERRY, CA  
[72] SEGAL, DONALD, CA  
[72] TIAN, BAOMIN, CA  
[72] WONG, WAH Y., CA  
[72] CHAO, HEMAN, CA  
[71] HELIX BIOPHARMA CORPORATION, CA  
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[86] 2002-08-22 (PCT/CA2002/001374)  
[87] 2003-03-06 (WO2003/018797)  
[30] US (60/314,333) 2001-08-22  
[30] US (60/375,627) 2002-04-25

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[13] A1  
[51] **Int.Cl. 7C07K 14/775 7A61K 39/00 7A61P 9/10 7C07K 16/18 7A61K 39/395**  
[25] EN  
[54] **VACCINE THERAPIES AND PROPHYLACTIC TREATMENTS OF ATHEROSCLEROTIC DISEASES**  
[54] **VACCINS**  
[72] FRUCHART, JEAN-CHARLES, FR  
[72] MEYKENS, RENE, BE  
[72] MONTEYNE, PHILIPPE, BE  
[71] GLAXOSMITHKLINE BIOLOGICALS S.A., BE  
[85] 2004-02-26  
[86] 2002-08-29 (PCT/EP2002/009650)  
[87] 2003-03-13 (WO2003/020765)  
[30] GB (0121171.3) 2001-08-31

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[13] A1  
[51] **Int.Cl. 7G11B 33/04**  
[25] FR  
[54] **CONDITIONNEMENT POUR SUPPORT D'INFORMATIONS EN FORME DE DISQUE**  
[54] **PACKAGING FOR DISC MEDIA**  
[72] CROUAN, ALAIN, FR  
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[54] **PROCEDE DE GREFFAGE ET DE CROISSANCE D'UN FILM ORGANIQUE CONDUCTEUR SUR UNE SURFACE**  
[54] **METHOD FOR GRAFTING AND GROWING A CONDUCTIVE ORGANIC FILM ON A SURFACE**  
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[72] LEVY, EDOUARD, FR  
[72] VIEL, PASCAL, FR  
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[54] **MEDICAL KIT COMPRISING A CATHETER, A NEEDLE AND ITS CASE**  
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[72] ROSSI, DANIEL, FR  
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[72] SCHEINERT, PETER, DE  
[72] KRUPP, GUIDO, DE  
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[54] **NOUVEAU DOSAGE POUR INHIBITEURS DE TRANSLOCASES**  
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[71] BAYER HEALTHCARE AG, DE  
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[54] **ANALOGUES DE GLP-1 (GLUCAGON-LIKE PEPTIDE 1)**  
[72] MILLICAN, ROHN LEE, JUNIOR, US  
[72] ZHANG, LIANSHAN, US  
[72] GLAESNER, WOLFGANG, US  
[71] ELI LILLY AND COMPANY, US  
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[54] **TRANSMEMBRANE PROTEIN DIFFERENTIALLY EXPRESSED IN CANCER**  
[54] **PROTEINE TRANSMEMBRANAIRE EXPRIMEE DE FACON DIFFERENTIELLE DANS LE CANCER**  
[72] TRIBOULEY, CATHERINE M., US  
[72] BAUGHN, MARIAH R., US  
[72] LASEK, AMY K. W., US  
[72] YUE, HENRY, US  
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[72] BAUGHN, MARIAH R., US  
[72] HAFALIA, APRIL J.A., US  
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[54] **ELECTRONIQUE DE CONVERSION D'ENERGIE RESONANTE A COMMUTATION**  
[72] SMALSER, PAUL, US  
[72] TAYLOR, GEORGE W., US  
[72] WELSH, THOMAS R., US  
[72] BURNS, JOSEPH R. (DECEASED), US  
[71] OCEAN POWER TECHNOLOGIES, INC., US  
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[54] **SG(A)-1,2-FUCOSYLE TRANSFERASE ET ADN CODANT POUR CELLE-CI**  
[72] KAMADA, NOZOMU, JP  
[72] KOIZUMI, SATOSHI, JP  
[71] KYOWA HAKKO KOGYO CO. LTD., JP  
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[54] **APPAREIL ET PROCEDE D'OPTIMISATION DU TRANSFERT DE PUISSANCE PRODUIT PAR UNE HOULOMOTRICE**  
[72] BURNS, JOSEPH R., US  
[72] SMALSER, PAUL, US  
[72] TAYLOR, GEORGE W., US  
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[71] OCEAN POWER TECHNOLOGIES, INC., US  
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[25] EN  
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[54] **TOXINES CRY3A MODIFIEES ET SEQUENCES D'ACIDES NUCLEIQUES LES CODANT**  
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[72] CHEN, ERIC, US  
[71] SYNGENTA PARTICIPATIONS AG, CH  
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[54] **MIMOTOPES D'ANTIGENE ET VACCIN CONTRE DES AFFECTIONS CANCEREUSES**  
[72] ZIELINSKI, CHRISTOPH, AT  
[72] PEHAMBERGER, HUBERT, AT  
[72] SCHEINER, OTTO, AT  
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[72] JENSEN-JAROLIM, ERIKA, AT  
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[54] **ADVERTISING METHOD AND APPARATUS**  
[54] **PROCEDE ET DISPOSITIF PUBLICITAIRES**  
[72] SUMMERS, BOB, US  
[72] PARKER, MARY LOUISE, US  
[71] SUBJECT MATTERS, LLC., US  
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**7C07K 14/34 7A61K 39/395**  
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**CORYNEBACTERIUM DIPHTHERIAE**  
**ANTIGEN**  
[54] **GENE D'UN NOUVEL ANTIGENE**  
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**EXPRESSION SYSTEM AND ITS**  
**APPLICATION IN DRUG SCREENING**  
[54] **SYSTEME D'EXPRESSION DE**  
**PROTEINES DE MEMBRANE DE**  
**LEVURE ET SA MISE EN**  
**APPLICATION EN CRIBLAGE DE**  
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[72] GOFFEAU, ANDRE, FR  
[72] HARDING, DAVID ROGER KAY, NZ  
[72] DECOTTIGNIES, ANABELLE, GB  
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**SUBSTRATES USED IN FUEL CELLS**  
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[54] **DISPOSITIFS DE COMMANDE**  
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[72] HENDRICKSEN, MICHAEL J., US  
[72] GIFFORD, HANSON S., III, US  
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[30] US (60/371,634) 2002-04-09  
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**7A61K 39/395 7G01N 33/53**  
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[54] **HUMAN CDR-GRAFTED**  
**ANTIBODIES AND ANTIBODY**  
**FRAGMENTS THEREOF**  
[54] **ANTICORPS GREFFES CDR**  
**HUMAINS ET FRAGMENTS DE CES**  
**ANTICORPS**  
[72] KOIKE, MASAMICHI, JP  
[72] SHIMIZU, AKIKO, JP  
[72] NAKAMURA, KAZUYASU, JP  
[72] SHITARA, KENYA, JP  
[72] HOSAKA, EMI, JP  
[71] KYOWA HAKKO KOGYO CO. LTD.,  
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[30] JP (2001-265144) 2001-08-31

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[54] **PROTEINES ASSOCIEES A DES ACIDES NUCLEIQUES**  
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[72] NGUYEN, DANNIEL B., US  
[72] GRIFFIN, JENNIFER A., US  
[72] THANGAVELU, KAVITHA, US  
[72] GORVAD, ANN E., US  
[72] RAMKUMAR, JAYALAXMI, US  
[72] YUE, HUIBIN, US  
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[72] BLAKE, JULIE J., US  
[72] CHAWLA, NARINDER K., US  
[72] DUGGAN, BRENDAN M., US  
[72] WARREN, BRIDGET A., US  
[72] ZEBARJADIAN, YEGANEH, US  
[72] BURFORD, NEIL, US  
[72] YUE, HENRY, US  
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[30] US (60/313,111) 2001-08-17  
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[54] **CLINDAMYCINE CRISTALLINE SOUS FORME DE BASE LIBRE**  
[72] HAWLEY, MICHAEL, US  
[72] JONES, DONALD P., US  
[72] REEDER, LISA M., US  
[72] CHAO, ROBERT S., US  
[71] PHARMACIA CORPORATION, US  
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[30] US (60/315,375) 2001-08-28  
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[54] **MOLECULES DE SIGNALISATION INTRACELLULAIRE**  
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[72] HONCHELL, CYNTHIA D., US  
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[72] TANG, Y. TOM, US  
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[72] ELLIOTT, VICKI S., US  
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[72] EMERLING, BROOKE M., US  
[72] JIN, PEI, US  
[72] FU, GLENN K., US  
[72] RICHARDSON, THOMAS W., US  
[72] FORSYTHE, IAN J., US  
[72] LAL, PREETI G., US  
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[72] ASTROMOFF, ANNA, US  
[72] BAUGHN, MARIAH R., US  
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[72] XU, YUMING, US  
[72] TANG, TOM Y., US  
[72] YUE, HUIBIN, US  
[72] BOROWSKY, MARK L., US  
[72] LEE, SOO YEUN, US  
[72] LEE, SALLY, US  
[72] DING, LI, US  
[72] BURFORD, NEIL, US  
[72] HAFALIA, APRIL J.A., US  
[72] RAMKUMAR, JAYALAXMI, US  
[72] GANDHI, AMEENA R., US  
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[72] LEHR-MASON, PATRICIA M., US  
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[54] **PROCEDES DE SULFATATION DE SACCHARIDES**  
[72] SMITH, GREGORY A., US  
[71] IVAX RESEARCH, INC., US  
[85] 2004-02-24  
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[54] **ARCHIVAGE D'ACIDES NUCLEIQUES**  
[72] MARMARO, JEFFREY M., US  
[72] ROEHL, CHRISTOPHER A., US  
[72] GERDES, JOHN C., US  
[72] IVES, JEFFREY T., US  
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[54] **ALGORITHME PERMETTANT D'EVALUER LE RESULTAT D'UNE INFLAMMATION SUITE A UNE BLESSURE OU A UNE INFECTION**  
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[72] CHOW, CARSON C., US  
[72] VODOVOTZ, YORAM, US  
[71] THE UNIVERSITY OF PITTSBURGH OF THE COMMONWEALTH SYSTEM OF PENNSYLVANIA, US  
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[54] **SYSTEMES ET PROCEDES DE DETECTION DE RAYONNEMENT IONISANT DANS UN SYSTEME D'IMAGERIE**  
[72] KWASNICK, ROBERT FORREST, US  
[72] COLE, HERBERT STANLEY, US  
[72] SITNIK-NIETERS, THERESA ANN, US  
[72] EBERHARD, JEFFREY WAYNE, US  
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[54] **ACIDES NUCLEIQUES ET POLYPEPTIDES BV8 A ACTIVITE MITOGENE**  
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[72] FERRARA, NAPOLEONE, US  
[71] GENENTECH, INC., US  
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[25] EN  
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[71] IMMUNEX CORPORATION, US  
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[54] **SYSTEME VEGETAL PERMETTANT UNE ANALYSE APPROFONDIE DE FONCTIONS GENIQUES A L'AIDE D'ADNC PLEINE LONGUEUR**  
[72] SEKI, MOTOAKI, JP  
[72] NAKAZAWA, MIKI, JP  
[72] FUJITA, MIKI, JP  
[72] MATSUI, MINAMI, JP  
[72] ICHIKAWA, TAKANARI, JP  
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[54] **PROCEDES DE GUERISON OU DE PREVENTION DE L'INFLAMMATION, DE LA DETERIORATION OU D'AUTRES MODIFICATIONS INTERVENANT AVANT, PENDANT OU IMMEDIATEMENT APRES UN EVENEMENT MYOCARDIQUE PAR THYMOSINE BETA 4, SES ANALOGUES, ISOFORMES OU AUTRES DERIVES**  
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[72] FINKELSTEIN, JACK, JR., US  
[71] REGENERX BIOPHARMACEUTICALS, INC., US  
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[54] **POLYMORPHISMES D'ADN MITOCHONDRIAL HUMAIN, HAPLOGROUPES, ASSOCIATIONS AVEC DES CONDITIONS PHYSIOLOGIQUES ET RESEAUX DE GENOTYPAGE**  
[72] LOTT, MARIE, US  
[72] RUIZ-PESINI, EDUARDO, US  
[72] MISHMAR, DAN, US  
[72] HOSSEINI, SEYED, US  
[72] WALLACE, DOUGLAS C., US  
[71] EMORY UNIVERSITY, US  
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[54] **COMPOSITIONS ET PROCEDES POUR TRAITER LE DIABETE**  
[72] TCHELINGERIAN, JOHN, FR  
[71] DIATOS S.A., FR  
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[72] WALLACE, DOUGLAS C., US  
[72] KERSTANN, KEITH, US  
[72] PROCACCIO, VINCENT, US  
[71] EMORY UNIVERSITY, US  
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[72] ISHINAGA, HIDEKI, JP  
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[72] BOROWSKY, MARK L., US  
[72] RAMKUMAR, JAYALAXMI, US  
[72] HONCHELL, CYNTHIA D., US  
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[72] CHAWLA, NARINDER K., US  
[72] WARREN, BRIDGET A., US  
[72] LEE, SOO YEUN, US  
[72] LEHR-MASON, PATRICIA M., US  
[72] LU, DYUNG AINA M., US  
[72] ZEBARJADIAN, YEGANEH, US  
[72] TRAN, UYEN K., US  
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[72] BECHA, SHANYA, US  
[72] LEE, ERNESTINE A., US  
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[72] LEE, SALLY, US  
[72] GURURAJAN, RAJAGOPAL, US  
[72] YUE, HENRY, US  
[72] KAREHT, STEPHANIE K., US  
[71] INCYTE GENOMICS INC., US  
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[72] MU, DAVID, US  
[71] TULARIK INC., US  
[85] 2004-02-26  
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[54] **NOUVELLE PROTEINE MT0039 INHIBITRICE DE SERINE PROTEASE**  
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[72] HOSAKA, YOSHITAKA, JP  
[72] SHINOZAKI, MIKIHICO, JP  
[71] MOCHIDA PHARMACEUTICAL CO., LTD., JP  
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[72] CHAWLA, NARINDER K., US  
[72] BAUGHN, MARIAH R., US  
[72] SWARNAKAR, ANITA, US  
[72] GRIFFIN, JENNIFER A., US  
[72] LEE, ERNESTINE A., US  
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[72] YUE, HENRY, US  
[72] GANDHI, AMEENA R., US  
[72] FORSYTHE, IAN J., US  
[72] LEE, SALLY, US  
[72] BECHA, SHANYA, US  
[72] SPRAGUE, WILLIAM W., US  
[72] JIN, PEI, US  
[72] RAMKUMAR, JAYALAXMI, US  
[72] ELLIOTT, VICKI S., US  
[72] RICHARDSON, THOMAS W., US  
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[71] INCYTE GENOMICS INC., US  
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[72] GORZOWSKI, JACEK J., US  
[72] HACKETT, JOHN R., JR., US  
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[54] **PROTEINES ASSOCIEES A DES**  
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[72] YUE, HUIBIN, US  
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[25] EN  
[54] **GENETIC ANALYSIS OF**  
**BIOLOGICAL SAMPLES IN ARRAYED**  
**EXPANDED REPRESENTATIONS OF**  
**THEIR NUCLEIC ACIDS**  
[54] **ANALYSE GENETIQUE**  
**D'ECHANTILLONS BIOLOGIQUES**  
**DANS DES REPRESENTATIONS**  
**ELARGIES EN RESEAU DE LEURS**  
**ACIDES NUCLEIQUES**  
[72] TARAFI, GEMMA, ES  
[72] PEINADO, MIGUEL A., ES  
[72] VIVES, ELISABET ROSELL, ES  
[72] XANCO, JAUME PIULATS, ES  
[72] RISQUES, ROSA ANA, ES  
[72] ALVAREZ, MARC MASA, ES  
[72] OBRADOR, ANTONIA, ES  
[72] CAPELLA, GABRIEL, ES  
[72] VENDRELL, ELISENDA, ES  
[72] GRAU, MONICA, ES  
[72] RIERA, MARTA SOLER, ES  
[72] SOLE, XAVIER, ES  
[72] MORENO, VICTOR, ES  
[71] MERCK PATENT GESELLSCHAFT  
MIT BESCHRAENKTER HAFTUNG, DE  
[85] 2004-03-04  
[86] 2002-09-05 (PCT/EP2002/009937)  
[87] 2003-03-20 (WO2003/023058)  
[30] EP (01121335.2) 2001-09-06

[21] **2,459,754**  
[13] A1

[51] **Int.Cl. 7C12N 15/86 7A61K 39/00**  
**7C12N 7/00 7A61K 38/21 7A61K 38/48**  
[25] EN  
[54] **VACCINIA VIRUS MVA-E3L-**  
**KNOCKOUT-MUTANTS AND USE**  
**THEREOF**  
[54] **MUTANTS DU VIRUS DE LA**  
**VACCINE OBTENUS PAR**  
**INACTIVATION DE MVA-E3L ET LEUR**  
**UTILISATION**  
[72] HORNEMANN, SIMONE, DE  
[72] SUTTER, GERD, DE  
[72] ERFLE, VOLKER, DE  
[71] GSF - FORSCHUNGSZENTRUM  
FUER UMWELT UND GESUNDHEIT  
GMBH, DE  
[85] 2004-03-10  
[86] 2002-09-11 (PCT/EP2002/010199)  
[87] 2003-03-20 (WO2003/023040)  
[30] DE (101 44 664.0) 2001-09-11

[21] **2,459,756**  
[13] A1

[51] **Int.Cl. 7C12N 15/82 7A01H 5/00**  
[25] EN  
[54] **A METHOD TO MODIFY CELL**  
**NUMBER, ARCHITECTURE AND**  
**YIELD OF PLANTS BY**  
**OVEREXPRESSION OF THE E2F**  
**TRANSCRIPTION FACTOR**  
[54] **PROCEDE DESTINE A MODIFIER**  
**LE NOMBRE DE CELLULES,**  
**L'ARCHITECTURE ET LE**  
**RENDEMENT DE PLANTES PAR**  
**SUREXPRESSION DU FACTEUR DE**  
**TRANSCRIPTION DE E2F**  
[72] DE VEYLDER, LIEVEN, BE  
[72] DILLEN, WILLY, BE  
[72] BEECKMAN, TOM, BE  
[72] FRANKARD, VALERIE, BE  
[72] MIRONOV, VLADIMIR, BE  
[72] INZE, DIRK, BE  
[72] BROEKAERT, WILLEM, BE  
[71] CROPDESIGN N.V., BE  
[85] 2004-03-12  
[86] 2002-09-12 (PCT/EP2002/010236)  
[87] 2003-03-27 (WO2003/025185)  
[30] EP (01870198.7) 2001-09-14

[21] **2,459,769**  
[13] A1

[51] **Int.Cl. 7C07K 14/65 7C12N 15/00**  
[25] EN  
[54] **IGF-1 AS FELINE VACCINE**  
**ADJUVANT, IN PARTICULAR**  
**AGAINST FELINE RETROVIRUSES**  
[54] **IGF-1 UTILISE COMME**  
**ADJUVANT DE VACCIN FELIN,**  
**NOTAMMENT CONTRE LES**  
**RETROVIRUS FELINS**  
[72] ANDREONI, CHRISTINE MICHELE  
PIERRETTE, FR  
[71] MERIAL, FR  
[85] 2004-03-11  
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[30] FR (01/11736) 2001-09-11

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[51] **Int.Cl. 7C07K 7/04 7C07K 2/00  
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7A61K 38/10 7A61K 38/16 7A61P 25/28**

[25] EN

[54] **NCAM BINDING COMPOUNDS  
[54] COMPOSES DE FIXATION A LA  
NCAM**

[72] RONN, LARS CHRISTIAN  
BIILMANN, DK

[72] OLSEN, MARIANNE, DK

[72] BEREZIN, VLADIMIR, DK

[72] BOCK, ELISABETH, DK

[72] POULSEN, FLEMMING MARTIN, DK

[72] OSTERGAARD, SOREN, DK

[72] HOLM, ARNE VALDEMAR, DK

[72] SOROKA, VLADISLAV, DK

[71] ENKAM PHARMACEUTICALS A/S,  
DK

[85] 2004-03-03

[86] 2002-09-04 (PCT/DK2002/000574)

[87] 2003-03-13 (WO2003/020749)

[30] DK (PA 2001 01299) 2001-09-05

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[21] **2,460,129**

[13] A1

[51] **Int.Cl. 7G01J 3/40**

[25] EN

[54] **SIMULTANEOUS MULTI-BEAM  
PLANAR ARRAY IR (PAIR)  
SPECTROSCOPY**

[54] **SPECTROSCOPIE INFRAROUGE  
DE MATRICE PLANE (PAIR)  
SIMULTANEE, A PLUSIEURS  
FAISCEAUX**

[72] TSAO, MEI-WEI, US

[72] RABOLT, JOHN F., US

[72] ELMORE, DOUGLAS L., US

[71] UD TECHNOLOGY CORPORATION,  
US

[85] 2004-03-31

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[13] A1  
[51] **Int.Cl. 7A61M 15/00 7G01F 11/18 7B65D 83/52**  
[25] EN  
[54] **METERING DEVICE**  
[54] **COMPTEUR AUTOMATIQUE**  
[72] BRAITHWAITE, PHILIP WILSON, GB  
[71] INNOVATA BIOMED LIMITED, GB  
[22] 1993-02-18  
[41] 1993-09-02  
[62] 2,130,477  
[30] CA (2,130,477) 1993-02-18

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[21] **2,455,416**  
[13] A1  
[51] **Int.Cl. 7C07D 519/00**  
[25] FR  
[54] **PROCEDES DE PREPARATION D'ALCALOIDES DE VINCA ET DE LEURS DERIVES**  
[54] **VINCA ALCALOIDS PREPARATIONS PROCESS AND THEIR DERIVATIVES**  
[72] THILLAYE DU BOULLAY, VALERIE, FR  
[72] FAHY, JACQUES, FR  
[72] DUFLOS, ALAIN, FR  
[72] HILL, BRIDGET, FR  
[72] BARRET, JEAN-MARC, FR  
[71] PIERRE FABRE MEDICAMENT, FR  
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[41] 1998-10-15  
[62] 2,286,560  
[30] FR (97/04398) 1997-04-10

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[21] **2,456,968**  
[13] A1  
[51] **Int.Cl. 7H03M 5/04 7G11B 23/00 7G11B 20/10 7H03M 7/20**  
[25] EN  
[54] **METHOD OF CONVERTING A SERIES OF M-BIT INFORMATION WORDS TO A MODULATED SIGNAL, METHOD OF PRODUCING A RECORD CARRIER, CODING DEVICE, DECODING DEVICE, RECORDING DEVICE, READING DEVICE, SIGNAL AS WELL AS A RECORD CARRIR**  
[54] **PROCEDE DE CONVERSION D'UNE SERIE DE MOTS D'INFORMATION DE M-BITS EN UN SIGNAL MODULEE, PROCEDE DE PRODUCTION D'UN SUPPORT D'ENREGISTREMENT, DISPOSITIF DE CODAGE, DISPOSITIF DE DECODAGE, DISPOSITIF D'ENREGISTREMENT, DISPOSITIF DE LECTURE ET SUPPORT D'ENREGISTREMENT**  
[72] SCHOUHAMER IMMINK, KORNELIS ANTONIE, NL  
[71] PHILIPS ELECTRONICS N.V., NL  
[22] 1995-02-01  
[41] 1995-08-24  
[62] 2,183,355  
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[13] A1  
[51] **Int.Cl. 7A61K 31/138 7A61P 35/00 7A61K 47/40**  
[25] EN  
[54] **DRUG FORMULATIONS FOR PARENTERAL USE**  
[54] **FORMULATION DE MEDICAMENTS POUR ADMINISTRATION PARENTERALE**  
[72] JALONEN, HARRY GOESTA, FI  
[72] KANGAS, LAURI VEIKKO MATTI, FI  
[72] HEIKKILAE, TERTTU MARITA, FI  
[72] LAMMINTAUSTA, RISTO ARVO SAKARI, FI  
[72] KURKELA, KAUKO OIVA ANTERO, FI  
[72] JALONEN, HANNU UOLEVI, FI  
[71] ORION-YHTYMAE OY, FI  
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[62] 2,125,408  
[30] GB (9126209.7) 1991-12-10

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[13] A1  
[51] **Int.Cl. 7B30B 9/14 7B30B 15/00**  
[25] EN  
[54] **SCREW PRESS**  
[54] **PRESSE A VIS**  
[72] DIONNE, HUGUES, CA  
[71] MANUFACTURIER SPECIALISTE OPTIMUN FILTRATION INC., CA  
[22] 2001-01-05  
[41] 2001-08-16  
[62] 2,377,809  
[30] CA (2,298,235) 2000-02-08

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[13] A1

[51] **Int.Cl. 7A61K 31/7048 7A61P 29/00 7A61P 37/00 7A61P 31/04**  
[25] EN  
[54] **NOVEL PSEUDOERYTHROMYCIN DERIVATIVES**  
[54] **NOUVEAUX DERIVES DE PSEUDOERYTHROMYCINE**  
[72] SUNAZUKA, TOSHIKI, JP  
[72] OMURA, SATOSHI, JP  
[72] IWAI, YUZURU, JP  
[72] NAGAMITSU, TOHRU, JP  
[71] THE KITASATO INSTITUTE, JP  
[22] 2000-08-17  
[41] 2002-02-21  
[62] 2,386,828

[21] **2,458,282**  
[13] A1

[51] **Int.Cl. 7B02C 18/40 7B02C 23/36**  
[25] EN  
[54] **INTEGRATED DIVERTER AND WASTE COMMUNUTOR**  
[54] **DERIVEUR ET DILACERATEUR DE DECHETS INTEGRES**  
[72] SABOL, ROBERT T., US  
[72] GRAHAM, RODNEY E., US  
[72] FREEMAN, WINSLOW P., JR., US  
[72] BOYD, RAMON E., US  
[72] SANTIAGO, ENRIQUE, US  
[72] FENNESSY, CRAIG J., US  
[72] DUECKER, RONALD A., US  
[72] CHACON, ARMANDO I., US  
[71] CHAMBERS, BOYD AND ASSOCIATES PARTNERSHIP, US  
[22] 1999-07-29  
[41] 2000-03-25  
[62] 2,279,104  
[30] US (09/160,180) 1998-09-25

[21] **2,458,314**  
[13] A1

[51] **Int.Cl. 7C01B 3/50 7B01D 53/34**  
[25] EN  
[54] **STEAM REFORMER WITH INTERNAL HYDROGEN PURIFICATION**  
[54] **DISPOSITIF DE REFORMAGE A LA VAPEUR AVEC PURIFICATION INTERNE DE L'HYDROGENE**  
[72] PLEDGER, WILLIAM A., US  
[72] EDLUND, DAVID J., US  
[71] IDATECH, LLC, US  
[22] 1998-10-14  
[41] 1999-04-22  
[62] 2,427,464  
[30] US (08/951,091) 1997-10-15

[21] **2,458,319**  
[13] A1

[51] **Int.Cl. 7A61B 17/03 7A61B 17/068**  
[25] EN  
[54] **APPARATUS AND METHOD FOR SUBCUTICULAR STAPLING OF BODY TISSUE**  
[54] **APPAREIL ET METHODE POUR AGRAFAGE DE TISSUS CUTANES**  
[72] THEROUX, MARC J., US  
[72] SIENKIEWICZ, HENRY, US  
[72] PAUL, JOSEPH M., US  
[72] LOPEZ-ISA, MARIA, US  
[72] GREEN, DAVID T., US  
[72] BOLANOS, HENRY, US  
[72] GERRY, STEPHEN W., US  
[72] YOUNG, WAYNE P., US  
[72] ROBERTSON, JOHN CHARLES, US  
[72] FONTAYNE, DIEGO, US  
[71] UNITED STATES SURGICAL CORPORATION, US  
[22] 1993-02-24  
[41] 1993-08-28  
[62] 2,090,290  
[30] US (07/842,448) 1992-02-27  
[30] US (07/959,242) 1992-10-09

[21] **2,458,323**  
[13] A1

[51] **Int.Cl. 7H04R 25/00 7H04R 25/02**  
[25] EN  
[54] **A COMPACT MODULAR IN-THE-EAR HEARING AID**  
[54] **PROTHESE AUDITIVE "INTRA-AURICULAIRE" COMPACTE ET MODULAIRE**  
[72] OLSEN, JOERGEN MEJNER, DK  
[71] WIDEX A/S, DK  
[22] 1998-04-08  
[41] 1998-10-22  
[62] 2,264,673  
[30] DK (0421/97) 1997-04-15

[21] **2,458,350**  
[13] A1

[51] **Int.Cl. 7A61C 7/36**  
[25] EN  
[54] **AN ORAL APPLIANCE**  
[54] **DISPOSITIF BUCCAL**  
[72] FARRELL, CHRISTOPHER JOHN, AU  
[71] FARRELL, CHRISTOPHER JOHN, AU  
[22] 1992-11-02  
[41] 1993-05-13  
[62] 2,122,634

[21] **2,458,360**  
[13] A1

[51] **Int.Cl. 7C09B 23/12 7C09B 23/00 7C09B 55/00 7C09B 57/02 7C07D 209/30 7C07D 239/32 7G01N 33/50 7G01N 33/52**  
[25] EN  
[54] **DETECTION OF TRANSMEMBRANE POTENTIALS BY OPTICAL METHODS**  
[54] **DETECTION PAR PROCEDES OPTIQUES DES POTENTIALS TRANSMEMBRANAIRES**  
[72] TSIEN, ROGER Y., US  
[72] GONZALES, JESUS E., III, US  
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US  
[22] 1996-06-06  
[41] 1996-12-19  
[62] 2,223,927  
[30] US (08/481,977) 1995-06-07

[21] **2,458,498**  
[13] A1

[51] **Int.Cl. 7D05C 17/02 7D04H 11/00 7D06N 7/00 7A47G 27/02 7B60N 3/04 7B32B 5/12 7B32B 3/16 7D02G 3/42**  
[25] EN  
[54] **VELOUR-LIKE PILE ARTICLES AND PILE SURFACE STRUCTURE AND METHODS OF MAKING**  
[54] **ARTICLES TEXTILES A POILS DU TYPE VELOURS, STRUCTURES DE SURFACES TEXTILES A POILS ET PROCEDES DE FABRICATION**  
[72] VEENEMA, PETER, US  
[72] WEEKS, GREGORY PAUL, US  
[72] PUSTOLSKI, PAUL FELIX, US  
[71] E.I. DU PONT DE NEMOURS, US  
[22] 1998-12-01  
[41] 1999-06-17  
[62] 2,309,580  
[30] US (60/067,566) 1997-12-05

[21] **2,458,502**  
[13] A1

[51] **Int.Cl. 7G07F 7/00 7G07B 1/00 7G07F 17/32 7G07F 17/34**  
[25] EN  
[54] **COINLESS SLOT MACHINE SYSTEM AND METHOD**  
[54] **SYSTEME D'APPAREIL DE JEU FONCTIONNANT SANS PIECES, ET METHODE CONNEXE**  
[72] MAXEY, ROBERT R., US  
[72] BURNS, JAMES G., US  
[71] MGM GRAND, INC., US  
[22] 1994-01-21  
[41] 1994-08-04  
[62] 2,132,019  
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[13] A1

[51] **Int.Cl. 7G07F 7/00 7G07B 1/00 7G07F 17/32 7G07F 17/34**  
[25] EN  
[54] **COINLESS SLOT MACHINE SYSTEM AND METHOD**  
[54] **SYSTEME D'APPAREIL DE JEU FONCTIONNANT SANS PIECES, ET METHODE CONNEXE**  
[72] BURNS, JAMES G., US  
[72] MAXEY, ROBERT R., US  
[71] MGM GRAND, INC., US  
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[62] 2,132,019  
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[21] **2,458,576**  
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[51] **Int.Cl. 7E21B 33/138 7E21B 33/10**  
[25] EN  
[54] **METHODS OF SEALING SUBTERRANEAN ZONES**  
[54] **METHODES POUR OBTURER DES ZONES SOUTERRAINES**  
[72] SWEATMAN, RONALD E., US  
[71] HALLIBURTON ENERGY SERVICES, INC., US  
[22] 1998-03-12  
[41] 1998-09-14  
[62] 2,231,904  
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[51] **Int.Cl. 7F21V 1/06**  
[25] EN  
[54] **IMPROVED STRUCTURE FOLDABLE ASSEMBLY-TYPE LAMP SHADE**  
[54] **ABAT-JOUR PLIABLE A STRUCTURE AMELIOREE**  
[72] WU, WEN-CHANG, XX  
[71] WU, WEN-CHANG, XX  
[22] 2001-04-09  
[41] 2002-10-09  
[62] 2,343,342

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[21] **2,458,816**  
[13] A1

[51] **Int.Cl. 7A47G 25/14**  
[25] EN  
[54] **SIDE INDICATOR HANGERS AND METHOD AND APPARATUS FOR REMOVING INDICATORS FROM HANGERS**  
[54] **CINTRES MUNIS D'INDICATEURS AINSI QUE METHODE ET DISPOSITIF FACILITANT L'ENLEVEMENT DES INDICATEURS**  
[72] GOULDSON, STANLEY F., US  
[72] MARSHALL, DAVID J., AU  
[72] BUSH, WILLIAM W., US  
[71] SPOTLESS PLASTICS PTY. LTD., AU  
[22] 1998-08-07  
[41] 1999-02-08  
[62] 2,245,272  
[30] US (08/908,210) 1997-08-08  
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[21] **2,458,861**  
[13] A1

[51] **Int.Cl. 7F01M 11/02 7F02B 63/02 7F02B 75/02 7F01M 11/06 7F16C 3/14**  
[25] EN  
[54] **FOUR-STROKE INTERNAL COMBUSTION ENGINE**  
[54] **MOTEUR A COMBUSTION INTERNE A QUATRE TEMPS**  
[72] BARTELT, RONALD LEE, US  
[72] SCHAEFER, MARK DONALD, US  
[72] WIATROWSKI, DARRELL ALBERT, US  
[72] BRAUN, MICHAEL PAUL, US  
[72] HOTZ, PETER, US  
[72] HIRSCH, NICHOLAS ROBERT, US  
[72] HUBBARD, BRIAN, US  
[71] BRIGGS & STRATTON CORPORATION, US  
[22] 2000-01-13  
[41] 2000-07-27  
[62] 2,368,207  
[30] US (60/117,215) 1999-01-25

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[13] A1

[51] **Int.Cl. 7F02B 63/02 7F02B 75/02 7F01M 11/02 7F01M 11/06 7F16C 3/14**  
[25] EN  
[54] **FOUR-STROKE INTERNAL COMBUSTION ENGINE**  
[54] **MOTEUR A COMBUSTION INTERNE A QUATRE TEMPS**  
[72] HUBBARD, BRIAN, US  
[72] HOTZ, PETER, US  
[72] BARTELT, RONALD LEE, US  
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[72] HIRSCH, NICHOLAS ROBERT, US  
[72] BRAUN, MICHAEL PAUL, US  
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[71] BRIGGS & STRATTON CORPORATION, US  
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[41] 2000-07-27  
[62] 2,368,207  
[30] US (60/117,215) 1999-01-25

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[13] A1

[51] **Int.Cl. 7A61K 39/395 7A61P 35/00 7A61K 51/10 7A61K 47/48**  
[25] EN  
[54] **HUMAN GENE**  
[54] **GENE HUMAIN**  
[72] HORIE, MASATO, JP  
[71] OTSUKA PHARMACEUTICAL CO., LTD., JP  
[22] 1997-03-19  
[41] 1997-09-19  
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[25] EN  
[54] **TUMOR NECROSIS FACTOR (TNF) BINDING PROTEIN II, ITS PURIFICATION AND ANTIBODIES THERETO**  
[54] **PROTEINE DE LIAISON II DU FACTEUR DE NECROSE DES TUMEURS, SA PURIFICATION ET LES ANTICORPS DIRIGES CONTRE ELLE**  
[72] ENGELMANN, HARTMUT, DE  
[72] ADERKA, DAN, IL  
[72] WALLACH, DAVID, IL  
[72] NOVICK, DANIELA, IL  
[72] RUBINSTEIN, MENACHEM, IL  
[71] YEDA RESEARCH AND DEVELOPMENT COMPANY LIMITED, IL  
[22] 1990-05-17  
[41] 1990-11-18  
[62] 2,017,025  
[30] IL (90339) 1989-05-18  
[30] IL (91229) 1889-08-06  
[30] IL (94039) 1990-04-06

[21] **2,458,918**  
[13] A1

[51] **Int.Cl. 7E01C 3/06 7E01C 23/10 7E02D 31/14**  
[25] EN  
[54] **A METHOD OF REDUCING GROUND DISTURBANCE**  
[54] **METHODE POUR REDUIRE LA PERTURBATION DU SOL**  
[72] ANDREWS, MAXWELL, CA  
[71] DIAMOND J INDUSTRIES LTD., CA  
[71] ANDREWS, MAXWELL, CA  
[22] 2002-03-20  
[41] 2002-11-05  
[62] 2,377,702

[21] **2,459,027**  
[13] A1

[51] **Int.Cl. 7H04L 29/08 7H04L 29/14 7H04L 12/28**  
[25] EN  
[54] **EXTENSION OF LINK AGGREGATION PROTOLS OVER THE NETWORK**  
[54] **EXTENSION SUR RESEAU POUR PROTOCOLE DE REGROUPEMENT DE LIAISON**  
[72] MARK, BARRY DING KEN, CA  
[72] CARPINI, WALTER JOSEPH, CA  
[71] TROPIC NETWORKS INC., CA  
[22] 2001-06-15  
[41] 2002-12-15  
[62] 2,350,673

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[13] A1

[51] **Int.Cl. 7H01M 2/30**  
[25] EN  
[54] **HIGH TORQUE BATTERY TERMINAL AND METHOD OF MAKING SAME**  
[54] **BORNE POUR BATTERIE D'ACCUMULATEUR OFFRANT UNE GRANDE RESISTANCE AU COUPLE DE SERRAGE ET METHODE DE FABRICATION**  
[72] RATTE, ROBERT W., US  
[72] PETERSON, NORMAN E., US  
[72] CAIN, RONALD, US  
[71] WATER GREMLIN COMPANY, US  
[22] 1993-08-10  
[41] 1994-03-04  
[62] 2,103,759  
[30] US (07/940,391) 1992-09-03  
[30] US (08/016,370) 1993-02-11  
[30] US (08/029,869) 1993-03-11

[21] **2,459,052**  
[13] A1

[51] **Int.Cl. 7B63H 23/30**  
[25] EN  
[54] **DRIVE TRANSMISSION SYSTEM FOR VESSEL PROPELLING EQUIPMENT**  
[54] **TRANSMISSION DE GROUPE PROPULSEUR MARIN**  
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[72] ICHIHASHI, KAORU, JP  
[72] SODA, CHIHARU, JP  
[72] FUKUDA, YOSHIHIKO, JP  
[71] HONDA GIKEN KOGYO KABUSHIKI KAISHA, JP  
[22] 1994-05-24  
[41] 1994-11-26  
[62] 2,124,134  
[30] JP (144430/1993) 1993-05-25  
[30] JP (156332/1993) 1993-06-03  
[30] JP (34884/1993) 1993-06-03  
[30] JP (34885/1993) 1993-06-03

[21] **2,459,147**  
[13] A1

[51] **Int.Cl. 7B05B 7/14 7B05B 15/12**  
[25] EN  
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[72] FENA, ERNEST J., US  
[72] WILLIAMS, KEITH E., US  
[72] LADER, HARRY J., US  
[72] SHUTIC, JEFFREY R., US  
[71] NORDSON CORPORATION, US  
[22] 1995-08-29  
[41] 1996-04-18  
[62] 2,200,343  
[30] US (320,921) 1994-10-11

[21] **2,459,149**  
[13] A1

[51] **Int.Cl. 7A61F 2/38**  
[25] EN  
[54] **TIBIAL PROSTHESIS**  
[54] **PROTHESE DE TIBIA**  
[72] VANSICKLE, JAY T., US  
[72] HELDRETH, MARK A., US  
[72] HILEMAN, DALE E., US  
[71] ZIMMER TECHNOLOGY, INC., US  
[22] 1994-05-02  
[41] 1995-01-02  
[62] 2,122,691  
[30] US (08/085,714) 1993-07-01

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[21] **2,459,152**

[13] A1

[51] **Int.Cl. 7G07F 7/00 7G07B 1/00 7G07F  
17/32 7G07F 17/34**

[25] EN

[54] **COINLESS SLOT MACHINE**

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[54] **SYSTEME D'APPAREIL DE JEU**

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[72] BURNS, JAMES G., US

[72] MAXEY, ROBERT R., US

[71] MGM GRAND, INC., US

[22] 1994-01-21

[41] 1994-08-04

[62] 2,132,019

[30] US (08/007,742) 1993-01-22



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JAPAN AS REPRESENTED BY		KUENTZ, MARTIN	2,457,250	LI, JOANA X.	2,458,645
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JIN, PEI	2,458,648	KWAK, JOSEPH A.	2,457,243	LIU, QIAN	2,457,922
JIN, PEI	2,459,323	KWAK, JOSEPH A.	2,457,883	LOHSE, PETER	2,456,105
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JOHNSON, ROBERT	2,456,175	KYOWA HAKKO KOGYO CO.		ALPHONS MARIE	2,448,517
JONES, DONALD P.	2,458,644	LTD.	2,458,512	LONGTON, WALLACE A.	2,455,451
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JORGENSEN, LARS	2,457,225	LTD.	2,458,627	LOU, MEIZHEN	2,456,236
JORISSEN, ROBERT NICHOLAS	2,456,236	L'LAINE, TIMO	2,457,887	LOVREZCZ, GEORGE OSCAR	2,456,236
JUHUE, DIDIER	2,457,768	L'LAIR LIQUIDE - SOCIETE		LU, DYUNG AINA M.	2,458,643
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KABLE, AMY E.	2,459,442	L'ETUDE ET		LU, YAN	2,458,643
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