

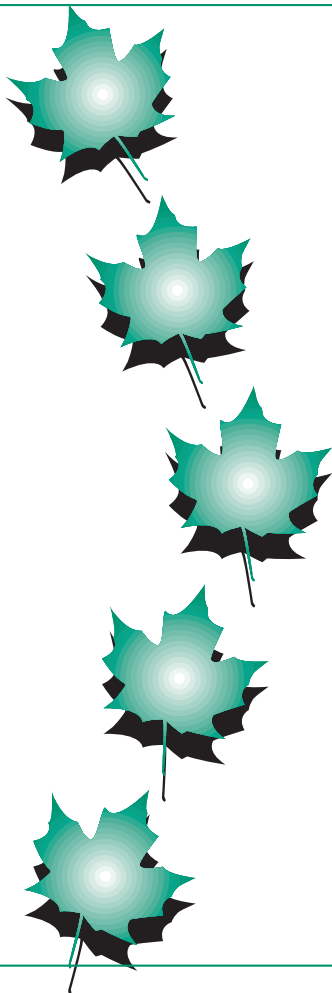


**Canadian  
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**The Patent  
Office  
Record**

**La Gazette  
du Bureau  
des brevets**

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Vol. 129, N° 11 le 13 mars 2001

**Canada**



# THE PATENT OFFICE RECORD

## LA GAZETTE DU BUREAU DES BREVETS

David Tobin  
Commissioner of Patents

David Tobin  
Commissaire aux brevets

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In order to prevent disruption of service to those clients who still require printed copies, CIPO will, on request, print copies for distribution to current subscribers, free of charge until further notice, after which copies will be available for a fee.

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Veillez noter qu'à compter du numéro daté du 2 novembre 1999, Travaux publics et Services gouvernementaux Canada (TPSGC) a cessé de gérer les abonnements à la *Gazette du Bureau des brevets* (GBB). TPSGC remboursera les abonnés ou leur offrira un crédit pour les numéros non reçus.

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Dans le but d'éviter toute interruption de service aux clients qui désirent obtenir des exemplaires sur support papier, l'OPIC imprimera, sur demande, un certain nombre de copies. Ce service sera disponible gratuitement jusqu'à nouvel ordre, après quoi des frais s'appliqueront.

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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, 2000 will be shown as 2000-01-02.

#### 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
  
- [43] - Date of publication by printing or similar process of an unexamined document on which no grant has taken place on or before the said date
  
- [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 2000, par exemple, sera représenté par 2000-01-02.

#### 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
  
- [43] - Date de publication, par impression ou par un procédé similaire, d'un document non examiné, n'ayant encore donné lieu à la délivrance d'aucun titre à la date en question ou avant
  
- [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

## 2. Country Codes

A complete list of country codes has been published in the October 24, 2000 issue of the Canadian Patent Office Record and will be published twice a year in the last issues of April and October.

## 3. Canadian Class Titles

A numerical index of the Canadian classification titles will be published in the first issue of January each year.

Anyone desirous of ascertaining what classes are directed to subject matter in which he/she has a particular interest may write to the Patent Office for such information. Related subject matter sometimes appears in different classes and could be missed by those not fully familiar with the classification system. It is also possible to obtain an alphabetical listing of subject matter titles for the various classes by writing a request to the Commissioner of Patents, Ottawa-Hull, Canada K1A 0C9.

## 4. Class Schedules and Definitions

A schedule (list of subclasses in a class) for any class listed on these pages may be purchased by writing to the Commissioner of Patents, Ottawa-Hull, Canada K1A 0C9. Definitions of the type of subject matter found in any class or subclass may be purchased for most of the classes. The cost of these individual schedules and definitions is 50¢ per page reproduced by the Patent Office.

Those wishing to purchase a complete set of schedules covering all classes, including the Subject Matter Index and separate listings of all class titles, may do so from Micromedia Limited at a cost of \$25 (98 frame microfiche), or \$200 (paper).

## 5. How to Purchase Paper or Microform-copies of Canadian Patents and Canadian Laid-Open Applications

### A) Paper Copies

Paper copies of Canadian Patents numbers 1 to 445,930 can be purchased at a cost of four dollars (\$4) per copy by writing to the Commissioner of Patents, Ottawa-Hull, K1A 0C9.

## 2. Codes des pays

Une liste complète des codes de pays a été publiée dans le numéro du 24 octobre 2000 et sera republiée deux fois par année dans le dernier numéro des mois de avril et d'octobre.

## 3. Liste des classes canadiennes

Un index numérique des titres de la classification canadienne sera publié dans le premier numéro de janvier, à chaque année.

Toute personne désirant savoir dans quelles classes sont classifiés les sujets auxquels il/elle porte un intérêt particulier peut se renseigner en écrivant au Bureau des brevets. Des sujets connexes peuvent parfois figurer dans des classes différentes et une personne qui ne serait pas complètement familière avec le système de classification pourrait omettre les classes. On peut également obtenir une liste alphabétique des titres des objets classifiés dans les différentes classes en écrivant au Commissaire aux brevets, Ottawa-Hull, Canada K1A 0C9.

## 4. Listes et définitions des classes

Il est possible d'acheter les listes des sous-classes pour chacune des classes énumérées dans ces pages en écrivant au Commissaire aux brevets, Ottawa-Hull, Canada K1A 0C9. Des définitions selon les sujets se trouvant dans chaque classe ou sous-classe peuvent aussi être achetées pour la plupart des classes. Les prix de ces listes et définitions individuelles est de 0,50 \$ par page reproduite par le Bureau des brevets.

Les personnes qui désirent acheter une série complète des listes couvrant toutes les classes, y compris l'index des sujets et listes distinctes de tous les titres de classes, doivent s'adresser à Micromedia Limited. Le prix est de 25 \$ pour des microfiches à 98 cadres d'image ou de 200 \$ pour des copies sur papier.

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

### A) Copies sur papier

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## Notices

Paper copies of all Canadian Patents and Canadian Laid-Open Applications can be purchased at a cost of ten dollars (\$10) per copy plus estimated postage and taxes. Copies of these patents are available by writing or calling: Micromedia Limited, 240 Catherine Street, Suite 305, Ottawa, Ontario, Canada, K2P 2G8, Telephone (613) 237-4250, Facsimile (613) 237-4251.

Toll Free for North America: 1-800-567-1914

E-mail: tic@micromedia.on.ca

### B) Microform Copies

Copies of Canadian Patents from number 445,931 to date and Canadian Laid-Open Applications from number 2,000,001 to date can be purchased from Micromedia Limited at a cost of \$4 each (98 frame microfiche).

Beginning with Canadian Patent number 986,651, annual collections may be purchased from Micromedia Limited in the following categories:

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- Cover pages, claims and drawings of Canadian Patents issued weekly in numerical order (98 frame microfiche).
- Full text of Canadian Patents issued weekly in numerical order (16 mm microfilm).

## 6. Orders for Patents By Class or Sub-Class

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Les copies sur papier de tous les brevets canadiens et des demandes canadiennes mises à la disponibilité du public sont disponibles au coût de dix dollars (10 \$) par copie, plus l'affranchissement et les taxes. Il suffit d'écrire à Micromedia Limited, 240 rue Catherine, pièce 305, Ottawa (Ontario), Canada, K2P 2G8, ou de composer le numéro (613) 237-4250, Télécopieur (613) 237-4251.

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- Pages couvertures, revendications et dessins de brevets canadiens délivrés chaque semaine par ordre numérique (microfiche à 98 cadres d'image).
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Courriel: tic@micromedia.on.ca

A listing of all patents that have issued in each class or subclass, including patents both in force and expired, may be ordered at a price of 50¢ per page from the Patent Office.

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 0,50 \$ la page.

### 7. 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-Hull, 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.

### 7. 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-Hull, 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.

### 8. 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-Hull, Canada, K1A 0C9. If a voluntary licence cannot be arranged, a compulsory licence may be possible.

### 8. 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-Hull, 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.

#### 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.

#### 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.

### 9. 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.

### 9. 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.

## Notices

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

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

2,142,794  
2,165,893  
2,225,957 issued on June 20, 2000  
2,274,405

### 11. Expired Patents

For patent applications filed before October 1, 1989, the life of a Canadian patent is 17 years. Consequently all Canadian patents up to and including No. 1,163,750 which issued on March 13, 1984 have now expired. The inventions covered by these and all earlier patents may now be used by the public in Canada provided other unexpired patents are not infringed.

### 12. 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.

### 13. 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).

### 10. 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

2,142,794  
2,165,893  
2,225,957 émis le on June 20, 2000  
2,274,405

### 11. Brevets expirés

Pour toutes les demandes de brevet déposées avant le 1er octobre 1989, la durée d'un brevet canadien est de 17 ans. Par conséquent, tous les brevets canadiens qui ont été délivrés le 13 mars 1984 sont maintenant expirés, jusque et y compris le no. 1,163,750. Les inventions faisant l'objet de ces brevets et de tout brevet antérieur peuvent maintenant être utilisées par le public au Canada, pourvu qu'il n'y ait pas contre façon d'autres brevets non expirés.

### 12. 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.

### 13. 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.



## Avis

### 14. Patent Cooperation Treaty (PCT)

### 14. Traité de coopération en matière de brevets (PCT)

#### SCHEDULE OF FEES APPLICABLE AS OF JANUARY 01, 2001

#### BARÈME DE TAXES À PARTIR DU 1 JANVIER 2001

| FEES                                     | AMOUNTS<br>\$ |
|--|---------------|
| 1. <b>Transmittal Fee:</b> (Rule 14)     | 200.00        |
| 2*. <b>Basic Fee:</b> (Rule 15.2(a))     | 562.00        |
| Amount for each additional sheet over 30 | 13.00         |

3. **Designation Fee:** (Rule 15.2(a)) 121.00  
The maximum that can be charged for the Designation Fee is \$726.00; therefore, if more than 6 countries are designated the fee remains \$726.00

4. **International Search Fee** 1,249.00  
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 Officer). If the International Application does not contain a priority claim, the Designation Fee is due within one year from the International Filing Date. These fees are to be paid in Canadian dollars and made payable to the Receiver General of 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** 50% of the fees that are due, or,  
Minimum: Transmittal Fee  
Maximum: Basic Fee

#### Preliminary Examination

6. **Handling Fee:** 287.51 Deutsche Marks  
(Rule 57.2(a)) 147.00 Euro Dollars

7. **Preliminary Examination Fee:** 2,998.29 Deutsche Marks  
(Rule 58) 1,533.00 Euro Dollars

The Preliminary Examination Fees are paid in Deutsche Marks or Euro Dollars. They should be paid directly to the European Patent Office in Munich but may now be filed in the Canadian Receiving Office.

\* International fees will be reduced by \$173.00 for all applications filed using PCT-Easy.

| TAXES                                      | MONTANTS<br>\$ |
|--|----------------|
| 1. <b>Taxe de transmission:</b> (Règle 14) | 200,00         |
| 2*. <b>Taxe de base:</b> (Règle 15.2(a))   | 562,00         |
| Montant pour chaque feuille au delà de 30  | 13,00          |

3. **Taxe de désignation** (par pays) (Règle 15.2(a)) 121,00  
Le maximum payable pour la taxe de désignation est de 726,00 \$; donc, si plus que 6 pays sont désignés, la taxe demeure 726,00 \$.

4. **Taxe de recherche internationale** 1 249,00  
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). Si la demande ne contient pas de revendication de priorité, la taxe de désignation est due dans un délai d'un an à compter de la date du dépôt de la demande internationale. Les taxes doivent être payées en dollars canadien et sont payables au Receveur Générale 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** 50% du montant impayé, ou,  
Minimum: taxe de transmission  
Maximum: taxe de base

#### Examen préliminaire

6. **Taxe de traitement:** 287,51 marks allemands  
(Règle 57.2(a)) 147,00 dollars euro

7. **Taxe d'examen préliminaire:** 2 998,29 marks allemands  
(Règle 58) 1 533,00 dollars euro

Les taxes d'examen préliminaire sont payables en Deutsche Marks ou en Euro Dollars. Elles doivent être payées à l'Office européen des brevets mais peuvent être payées au Office Receveur de Canada.

\*Les frais seront réduits par 173,00 \$ pour toutes les demandes déposées en utilisant PCT-Easy.

## Notices

### 15. 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>.

#### New Member State

On February 28, 2001, **Columbia** (country code: **CO**) will become the 109rd contracting State of the PCT at both the Chapter I and II levels.

### 15. 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>.

#### Nouveau État Membre

Le 28 février 2001, **Colombie** (code du pays: **CO**) deviendra le 109ième pays membre des États contractants du PCT au niveau des Chapitres I et II.

## 16. Amendments of the Regulations under the Patent Cooperation Treaty and Canada's Reservation

### Information regarding amendments of the Regulations

On March 17, 2000, the Assembly of the PCT Union adopted amendments of the Regulations under the PCT which will enter into force on March 1, 2001. The amendments pertain to the applicant's ability to include in the Request Form certain declarations having standardized wording. The declarations concern:

the identity of the inventor;  
the applicant's entitlement, as at the international filing date, to apply for and be granted a patent;  
the applicant's entitlement, as at the international filing date, to claim priority of the earlier application;  
inventorship (only for purposes of the designation of the United States of America); and  
non-prejudicial disclosures or exceptions to lack of novelty.

These matters are the same as those about which designated and elected Offices are entitled to require documents or evidence during the national phase of processing. By including such declarations in the Request, the applicant can more easily satisfy various national law requirements at the time of filing the international application rather than waiting until the time for entry into the national phase for processing before the designated or elected Offices.

As a consequence of an applicant including such declarations either in the PCT Request Form or by subsequently submitting such declarations during the international phase, designated or elected Offices are prohibited from requiring any document or evidence concerning the declaration unless they have reason to doubt any indications contained in such declarations.

For further details on the amendments see document PCT/A/28/5 (report of the Assembly), available on WIPO's Internet site at the following address: [www.wipo.int/eng/document/govbody/wo\\_pct/index\\_28.htm](http://www.wipo.int/eng/document/govbody/wo_pct/index_28.htm).

#### Canada's Reservation

On November 10, 2000, the Canadian Patent Office informed the International Bureau that PCT Rule 51bis.2(a)(ii), concerning the applicant's entitlement to apply for and be granted a patent, was not compatible with s.37 of the *Canadian Patent Rules*. Accordingly PCT Rule 51bis.2(a)(ii) shall not apply in respect of the Canadian designated or elected Office for as long as it continues not to be compatible with Canadian law. In other

## 16. Modifications au Règlement d'exécution du Traité de coopération en matière de brevets et la Réserve canadienne

### Généralités concernant les modifications au Règlement d'exécution

Le 17 mars 2000, l'Assemblée de l'Union du PCT a adopté des modifications au Règlement d'exécution du PCT qui prendront effet le 1<sup>er</sup> mars 2001. Les modifications visent à permettre au déposant d'inclure dans le Formulaire de requête certaines déclarations dont le libellé est standard. Ces déclarations concernent :

l'identité de l'inventeur;  
le droit du déposant, à la date du dépôt international, de demander et d'obtenir un brevet;  
le droit du déposant, à la date du dépôt international, de revendiquer la priorité d'une demande antérieure;  
la qualité d'inventeur (uniquement aux fins de la désignation des États-Unis d'Amérique); et  
les divulgations non opposables ou les exceptions au défaut de nouveauté.

Il s'agit des mêmes points que ceux pour lesquels les offices désignés et élus peuvent exiger des documents ou de preuves au cours de la phase nationale de traitement. En incluant ces déclarations dans la requête, le déposant peut facilement satisfaire aux diverses exigences des législations nationales au moment du dépôt de la demande internationale, au lieu d'attendre l'entrée dans la phase nationale de traitement auprès des offices désignés ou élus.

En conséquence de ces déclarations par le déposant, soit sur le Formulaire de requête, soit par le biais de déclarations soumises ultérieurement au cours de la phase internationale, les Offices désignés ou élus ne peuvent exiger du déposant des documents ou pièces à l'appui de cette déclaration, à moins d'avoir des raisons de mettre en doute certains des renseignements contenus dans ces déclarations.

Pour plus d'informations sur des modifications, veuillez vous reporter au document PCT/A/28/5 (rapport de l'assemblée), disponible sur le site Internet de l'OMPI à l'adresse suivante : [www.wipo.int/fre/document/govbody/wo\\_pct/index\\_28.htm](http://www.wipo.int/fre/document/govbody/wo_pct/index_28.htm).

#### Réserve canadienne

Le Bureau canadien des brevets a notifié le Bureau international de l'OMPI, en date du 10 novembre 2000, que la règle 51bis.2(a)(ii) du PCT, ayant rapport au droit du déposant de demander et d'obtenir un brevet, se révélait en contradiction avec l'article 37 des *Règles sur les brevets*. En conséquence, la règle 51bis.2(a)(ii) ne sera pas mise en vigueur dans les cas où

## Notices

words, even though an applicant may submit a declaration concerning his entitlement to apply for and be granted a patent, the applicant must still satisfy the requirements of s.37 of the *Canadian Patent Rules* upon entry into the national phase in Canada.

### **17. Elimination of paper copies of pink laid-open and white patent grant documents**

As part of CIPO's on-going efforts to automate its search facilities, we stopped maintaining a paper-based search system for patent documents in 1999. Effective February 19, 2001, the paper copies of pink laid-open and white (CBD) patent grant documents are no longer accessible to the public. However, CIPO's Client Service Centre will retain paper copies of patents granted from 1869 to 1920, given they are not yet available for electronic search. The Pre-1920 collection will continue to be available until we capture it electronically.

Client Service Centre

### **18. Erratum**

Reference to the grant of the following application in the Canadian Patent Office Record of March 6, 2001 was in error. No patent was issued under this number.

2,233,739

### **19. Reissue Notice**

Please note that the following Patent is being reissued on March 13, 2001. This Patent is published in the chapter Canadian Patents Issued of the current publication.

2,100,836

### **20. Laid-Open Applications**

The Patent Office Record of March 13, 2001 contains laid-open applications from February 18, 2001 - February 24, 2001.

le Canada est l'Office désigné ou élu, tant que cette contradiction avec la loi canadienne demeurera. En d'autres termes, quoique le déposant puisse soumettre une déclaration indiquant son droit de demander et d'obtenir un brevet, il doit tout de même satisfaire aux exigences de l'article 37 des *Règles sur les brevets* lorsque débute la phase nationale canadienne.

### **17. Élimination des copies roses des demandes de brevet rendues publiques et des folios de recherche de brevet**

Dans le cadre des efforts que déploie l'OPIC en vue d'automatiser ses installations de recherche, nous avons cessé en 1999 de maintenir le système de recherches sur support papier, c'est-à-dire les copies roses des demandes de brevet rendues publiques et les folios de recherche de brevet. Depuis le 19 février 2001, les copies roses et les folios de recherche ne sont plus accessibles au public. Toutefois, le Centre de services à la clientèle de l'OPIC conservera les folios de recherche de brevet accordé entre 1869 et 1920, étant donné que cette collection n'est pas encore disponible sur support électronique. La collection pré-1920 continuera d'être disponible au public jusqu'à ce qu'elle soit saisie électroniquement.

Le centre de services à la clientèle

### **18. Erratum**

Les renseignements fournis sous le numéro de la demande suivante, dans la Gazette du bureau des brevets du 6 mars, 2001 étaient erronés. Aucun brevet n'a été émi sous ce numéro.

2,233,739

### **19. Avis de redélivrance**

Veillez noter que le brevet suivant est redélivré en date du 13 mars 2001. Il est publié dans le chapitre des Brevets canadiens délivrés du présent document.

2,100,836

### **20. 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 18 février 2001 - 24 février 2001.

## Avis

# Canadian Patents Issued

March 13, 2001

## Brevets canadiens délivrés

13 mars 2001

|  |  |  |
|--|--|--|
| <p>[11] <b>1,341,203</b><br/>[13] C<br/>[52] 195-1.235 195-1.22 195-1.29 195-1.35 530-13.00<br/>[51] <b>Int.Cl. 7C12N 15/62 7C12N 15/12 7C12N 15/26 7C12N 15/63 7C12P 21/02 7C07K 19/00 7C07K 14/55 7C07K 14/47 7C07K 14/815</b><br/>[25] EN<br/>[54] <b>EUKARYOTIC FUSION PROTEINS CONTAINING INTERLEUKIN-2 SEQUENCES</b><br/>[54] <b>PROTEINES DE FUSION EUCARYOTIQUES CONTENANT DES SEQUENCES D'INTERLEUKIN-2</b><br/>[72] Habermann, Paul, DE<br/>[72] Wengenmayer, Friedrich, DE<br/>[73] HOECHST AKTIENGESELLSCHAFT, DE<br/>[21] <b>523,857</b><br/>[22] 1986-11-26<br/>[30] DE (P 35 41 856.7) 1985-11-27</p> | <p>[11] <b>1,341,205</b><br/>[13] E<br/>[52] 400-7047 167-22.8 400-7089 400-7097 400-9029<br/>[51] <b>Int.Cl. 7C09D 5/16</b><br/>[25] EN<br/>[54] <b>ANTIFOULING COATING COMPOSITION</b><br/>[54] <b>COMPOSITION DE REVETEMENT ANTISALISSURE</b><br/>[72] Stovicek, Pavel (Deceased), CA<br/>[73] WAITOMO INDUSTRIAL INVESTMENTS LTD., CA<br/>[21] <b>617,116</b><br/>[22] 1997-10-29<br/>[64] 1338993</p> | <p>[11] <b>2,007,163</b><br/>[13] C<br/>[51] <b>Int.Cl. 5B32B 25/16 5C09J 109/00 5C09J 7/02</b><br/>[25] EN<br/>[54] <b>PRESSURE-SENSITIVE FILM COMPOSITE HAVING IMPROVED ADHESION TO PLASTICIZED VINYL SUBSTRATES</b><br/>[54] <b>PELLICULE MIXTE AUTOCOLLANTE OFFRANT UNE ADHERENCE AMELIOREE A DES SUBSTRATS EN POLYVINYLE PLASTIFIE</b><br/>[72] Johannsen, Heiner, US<br/>[72] Stan, Lelia A. M., US<br/>[72] Karim, Naimul, US<br/>[72] Feichtmeier, Georg H., US<br/>[73] MINNESOTA MINING AND MANUFACTURING COMPANY, US<br/>[22] 1990-01-04<br/>[30] US (305,154) 1989-02-01</p>   |
| <p>[11] <b>1,341,204</b><br/>[13] C<br/>[52] 530-7.40 167-103.45<br/>[51] <b>Int.Cl. 7C07K 14/65 7A61K 38/30</b><br/>[25] EN<br/>[54] <b>ANALOGUES OF IGF-1 AND EGF-2</b><br/>[54] <b>ANALOGUES D'IGF-1 ET IGF-2</b><br/>[72] Ballard, Francis John, AU<br/>[72] Wallace, John Campbell, AU<br/>[73] GROPEP LIMITED, AU<br/>[21] <b>586,713</b><br/>[22] 1988-12-21<br/>[30] AU (PI 6068) 1987-12-24</p>   | <p>[11] <b>2,000,207</b><br/>[13] C<br/>[51] <b>Int.Cl. 5F16J 15/00</b><br/>[25] EN<br/>[54] <b>GAS SEAL</b><br/>[54] <b>JOINT ETANCHE AU GAZ</b><br/>[72] Jenkins, Peter David, GB<br/>[73] BRITISH TELECOMMUNICATIONS PUBLIC LIMITED COMPANY, GB<br/>[22] 1989-10-05<br/>[30] GB (8823427.3) 1988-10-05</p>  | <p>[11] <b>2,007,942</b><br/>[13] C<br/>[51] <b>Int.Cl. 5B27F 7/00</b><br/>[25] EN<br/>[54] <b>PAPER HANDLING APPARATUS</b><br/>[54] <b>APPAREIL MANIPULATEUR DE PAPIER</b><br/>[72] Komada, Takashi, JP<br/>[72] Seki, Nobuyoshi, JP<br/>[72] Sugiyama, Yoshihide, JP<br/>[72] Mori, Kenji, JP<br/>[72] Shimada, Masashi, JP<br/>[72] Ichinose, Tsutomu, JP<br/>[72] Ueno, Yuji, JP<br/>[72] Morii, Nobuyuki, JP<br/>[72] Mori, Goro, JP<br/>[72] Minato, Masahiro, JP<br/>[72] Umeda, Shin, JP<br/>[73] RICOH COMPANY, LIMITED, JP<br/>[22] 1990-01-17<br/>[30] JP (1-7608) 1989-01-18<br/>[30] JP (1-7610) 1989-01-18<br/>[30] JP (1-8529) 1989-01-19<br/>[30] JP (1-313507) 1989-12-04</p> |

Canadian Patents Issued  
March 13, 2001

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[13] C

[51] Int.Cl. 5C09D 163/00 5G02C 7/04  
5C08F 2/48  
[25] EN  
[54] METHOD TO PREPARE  
PIGMENTED LACQUERS OR  
VARNISHES FOR THE COLORING OF  
CONTACT LENSES, THE PIGMENTED  
OR COLORLESS LACQUERS THUS  
OBTAINED AND THE CONTACT  
LENSES COLORED WITH SAID  
LACQUERS

[54] METHODE POUR PREPARER DES  
LAQUES OU DES VERNIS PIGMENTES  
POUR LA COLORATION DES VERRES  
DE CONTACT; LAQUES PIGMENTEES  
OU INCOLORES AINSI OBTENUS  
VERRES DE CONTACT COLORES A  
L'AIDE

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[73] Laboratorio Pfortner Corneal S.A.C.I  
F., AR  
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[30] AR (313.108) 1989-01-30

[11] 2,010,934  
[13] C

[51] Int.Cl. 5A61K 31/365  
[25] EN  
[54] SUSTAINED RELEASE BOLUS  
EFFECTIVE FOR THE PROLONGED  
PREVENTION, TREATMENT OR  
CONTROL OF NEMATODE, ACARID  
AND ENDO- AND ECTOPARASITIC  
INFESTATIONS OF RUMINANTS  
[54] BOLUS A LIBERATION  
SOUTENE POUR LA PREVENTION,  
LE TRAITEMENT OU LE CONTROLE  
DES INFESTATIONS DES RUMINANTS  
PAR LE NEMATODES, LES  
ACARIENS, LES ENDO- ET LES  
ECTOPARASITES

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[72] Dietz, Joseph Charles, US  
[73] AMERICAN CYANAMID  
COMPANY, US  
[22] 1990-02-26  
[30] US (07/316,625) 1989-02-28

[11] 2,019,254  
[13] C

[51] Int.Cl. 5C08L 83/07 5C09D 183/07  
[25] EN  
[54] COATING COMPOSITIONS FOR  
THE PRODUCTION OF ADHESION-  
REDUCING COATINGS  
[54] COMPOSITIONS SERVANT A LA  
PRODUCTION D'ENDUITS ANTI-  
ADHERENCE

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[72] Steinbach, Hans-Horst, DE  
[73] GE BAYER SILICONES GMBH &  
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[22] 1990-06-19  
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[11] 2,020,745  
[13] C

[51] Int.Cl. 5C08J 9/42 5B32B 5/18 5B32B  
5/24  
[25] EN  
[54] COMPOSITE OPEN-CELL FOAM  
STRUCTURE FOR CARPET CUSHION  
UNDERLAY

[54] COMPOSE DE MOUSSE  
POLYURETHANE A ALVEOLES  
OUVERTS POUR SOUS-TAPIS  
[72] Bogdany, John, US  
[73] Resilient Systems, Inc., US  
[22] 1990-07-09

[11] 2,010,319  
[13] C

[51] Int.Cl. 5C08J 9/04  
[25] EN  
[54] FOAMABLE POLYMER  
COMPOSITION AND FOAMED  
ARTICLE

[54] COMPOSITIONS POLYMERIQUE  
EXPANSABLE ET ARTICLE EXPANSE  
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[51] Int.Cl. 5G06F 15/46  
[25] EN  
[54] APPARATUS AND METHOD FOR  
CONTROLLING A PROCESS USING A  
TRAINED PARALLEL DISTRIBUTED  
PROCESSING NETWORK

[54] APPAREIL ET METHODE POUR  
CONTROLLER UN PROCESSUS AU  
MOYEN D'UN RESEAU DE  
TRAITEMENT REPARTI PARALLELE  
[72] Owens, Aaron James, US  
[73] E.I. DU PONT DE NEMOURS AND  
COMPANY, US  
[22] 1990-02-28  
[30] US (316,717) 1989-02-28

[11] 2,021,328  
[13] C

[51] Int.Cl. 5C07C 22/04 5C07D 303/02  
5C07D 405/06 5C07C 43/225 5C07C 25/24  
[25] EN  
[54] STEREOSELECTIVE  
PREPARATION OF Z-1,2-  
DIARYLALLYL CHLORIDES AND THE  
CONVERSION THEREOF INTO  
AZOLYLMETHYLOXIRANES AND  
NOVEL INTERMEDIATES

[54] PREPARATION  
STEREOSELECTIVE DE CHLORURE  
DE Z-1,2-DIARYLALLYL ET SA  
CONVERSION EN  
AZOLYLMETHYLOXIRANES ET  
NOUVEAUX INTERMEDIAIRES  
[72] Zierke, Thomas, DE  
[72] Goetz, Norbert, DE  
[72] Hickmann, Eckhard, DE  
[72] Isak, Heinz, DE  
[72] Seele, Rainer, DE  
[72] Kober, Reiner, DE  
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[22] 1990-07-17  
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[11] 2,017,997  
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[51] Int.Cl. 5E21B 17/10  
[25] EN  
[54] WELL TOOL  
[54] OUTIL POUR PUITTS  
[72] Sable, Donald E., US  
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13 mars 2001**

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[51] **Int.Cl. 5A61F 13/15**  
[25] EN  
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[72] Igaue, Takamitsu, JP  
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[72] Nomura, Hironori, JP  
[72] Kuramoto, Katsuhide, JP  
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[30] JP (1-209203) 1989-08-10  
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[11] **2,023,408**  
[13] C

[51] **Int.Cl. 5B07B 1/00**  
[25] EN  
[54] **PARTICLE SCREENING SYSTEM**  
[54] **SYSTEME DE FILTRATION DE PARTICULES**  
[72] Askew, Terry, AU  
[73] USF JOHNSON SCREENS (NEWCASTLE) PTY LTD, AU  
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[11] **2,023,670**  
[13] C

[51] **Int.Cl. 5B41M 5/28**  
[25] EN  
[54] **HEAT-SENSITIVE RECORDING MATERIAL**  
[54] **MATERIAU D'ENREGISTREMENT THERMOSENSIBLE**  
[72] Yoshizawa, Katsuaki, JP  
[72] Ishida, Koichi, JP  
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[22] 1990-08-21  
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[11] **2,024,234**  
[13] C

[51] **Int.Cl. 5G01N 27/30**  
[25] EN  
[54] **METHOD AND APPARATUS FOR REVIVING AN ELECTRODE OF A BIOSENSOR**  
[54] **METHODE ET DISPOSITIF POUR REMETTRE SOUS TENSION L'ELECTRODE D'UN BIOSENSEUR**  
[72] Inamoto, Tomoyuki, JP  
[72] Fujimura, Hidetaka, JP  
[72] Nagata, Yasuhiro, JP  
[73] SANKYO COMPANY LIMITED, JP  
[22] 1990-08-29  
[30] JP (223614/1989) 1989-08-30

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[11] **2,024,313**  
[13] C

[51] **Int.Cl. 5D01D 5/42**  
[25] EN  
[54] **SPLIT FIBERS, INTEGRATED SPLIT FIBER ARTICLES AND METHOD FOR PREPARING THE SAME**  
[54] **FIBRES FENDUES INTEGREES ET METHODE DE FABRICATION D'ARTICLES AVEC CES FIBRES**  
[72] Nishino, Kazunari, JP  
[72] Kido, Tsutomu, JP  
[72] Igaue, Takamitsu, JP  
[72] Katsurayama, Hirofumi, JP  
[72] Sasagawa, Shuzo, JP  
[73] UNI CHARM CORPORATION, JP  
[22] 1990-08-30  
[30] JP (1-225765) 1989-08-31

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[11] **2,026,493**  
[13] C

[51] **Int.Cl. 5C07C 271/12 5A61K 7/075**  
[25] FR  
[54] **ALKYLCARBAMATES DE TRIGLYCEROL, LEUR PREPARATION ET LEUR APPLICATION NOTAMMENT COMME AGENTS EMULSIONNANTS DANS DES COMPOSITIONS COSMETIQUES SOUS FORME DE MICRODISPERSIONS DE CIRES**  
[54] **TRIGLYCEROL ALKYLCARBAMATES, THEIR PREPARATION AND THEIR APPLICATION NOTABLY AS EMULSIFYING AGENTS IN COSMETIC COMPOSITIONS AS WAX MICRODISPERSIONS**  
[72] Zysman, Alexandre, FR  
[72] Sebag, Henri, FR  
[73] L'OREAL, FR  
[22] 1990-09-28  
[30] FR (89 12 750) 1989-09-29

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[11] **2,026,824**  
[13] C

[51] **Int.Cl. 5C03B 23/033 5C03B 27/044 5C03B 35/18**  
[25] EN  
[54] **METHOD AND APPARATUS FOR BENDING GLASS**  
[54] **METHODE ET MACHINE DE CINTRAGE DU VERRE**  
[72] Freidel, Kenneth L., US  
[72] Littleton, L. Arthur, US  
[72] Freund, William G., US  
[73] Muirfield Holdings L.P., US  
[22] 1990-10-03  
[30] US (07/417,090) 1989-10-04

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[11] **2,027,554**  
[13] C

[51] **Int.Cl. 5C02F 1/40**  
[25] FR  
[54] **PROCEDE POUR ABSORBER DES PRODUITS POLLUANTS ORGANIQUES**  
[54] **METHOD FOR ABSORBING POLLUTANT ORGANIC PRODUCTS**  
[72] Stein, Claude, FR  
[72] Duquenne, Daniel, FR  
[73] ATOCHEM, FR  
[85] 1990-10-12  
[86] 1990-01-10 (PCT/FR90/00019)  
[87] (WO90/09414)  
[30] FR (89 01 891) 1989-02-14

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[11] **2,030,866**  
[13] C

[51] **Int.Cl. 5C07D 281/10**  
[25] EN  
[54] **PROCESS FOR THE PREPARATION OF AN INTERMEDIATE OF DILTIAZEM**  
[54] **PROCEDE DE PREPARATION D'UN INTERMEDIAIRE DU DILTIAZEM**  
[72] Giordano, Claudio, IT  
[72] Casagrande, Roberto, IT  
[73] ZAMBON GROUP S.P.A., IT  
[22] 1990-11-26  
[30] IT (22637 A/89) 1989-12-06

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[11] **2,033,672**  
[13] C  
[51] **Int.Cl. 5C07D 251/54**  
[25] EN  
[54] **MELAMINE DERIVATIVES AS STABILISERS FOR CHLORINE-CONTAINING POLYMERS**  
[54] **DERIVES DE MELAMINE, STABILISATEURS POUR POLYMERES CHLORES**  
[72] Wehner, Wolfgang, DE  
[72] Kostler, Hans-Gunter, DE  
[73] WITCO VINYL ADDITIVES GMBH, DE  
[22] 1991-01-07  
[30] CH (56/90-1) 1990-01-09

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[11] **2,033,776**  
[13] C  
[51] **Int.Cl. 6C07K 17/14 5G01N 27/327**  
[25] EN  
[54] **BIOSENSORS**  
[54] **BIOCAPTEURS**  
[72] Gitler, Carlos, IL  
[72] Yuli, Itzhak, IL  
[73] YEDA RESEARCH AND DEVELOPMENT CO. LTD., IL  
[22] 1991-01-08  
[30] IL (93020) 1990-01-09

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[11] **2,033,937**  
[13] C  
[51] **Int.Cl. 5C07D 471/04 5A61K 31/435**  
[25] EN  
[54] **HEMIHYDRATE**  
[54] **HEMIHYDRATE**  
[72] Ibrahim, Jutta, CH  
[73] NOVARTIS AG, CH  
[22] 1991-01-10  
[30] CH (100/90-0) 1990-01-12

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[11] **2,034,543**  
[13] C  
[51] **Int.Cl. 5C07C 51/16 5C07C 55/21 5C25C 1/22**  
[25] EN  
[54] **PROCESS FOR THE PREPARATION OF DODECANEDIOIC ACID**  
[54] **PROCEDE POUR LA PREPARATION DE L'ACIDE DODECANEDIOIQUE**  
[72] Davis, Darwin D., US  
[72] Sullivan, David L., US  
[73] DU PONT (E. I.) DE NEMOURS AND COMPANY, US  
[22] 1991-01-18  
[30] US (467,520) 1990-01-19

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[11] **2,034,783**  
[13] C  
[51] **Int.Cl. 5A61M 1/00**  
[25] EN  
[54] **WOUND EVACUATOR**  
[54] **APPAREIL DE DRAINAGE DE PLAIES**  
[72] Winkler, Duane K., US  
[72] Olson, Daniel H., US  
[73] BRISTOL-MYERS SQUIBB COMPANY, US  
[22] 1991-01-23  
[30] US (476,844) 1990-02-08

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[11] **2,037,108**  
[13] C  
[51] **Int.Cl. 5C07D 307/52 5C07F 3/06 5C07C 321/14 5C07C 319/24 5A61K 31/555**  
[25] FR  
[54] **PROCEDE POUR LA FABRICATION DU DIMETHYLDISULFURE**  
[54] **PROCESS FOR PREPARING DIMETHYLDISULFIDES**  
[72] Arretz, Emmanuel, FR  
[73] SOCIÉTÉ NATIONALE ELF AQUITAINE (PRODUCTION), FR  
[22] 1991-02-26  
[30] FR (90 02 715) 1990-03-05

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[11] **2,044,226**  
[13] C  
[51] **Int.Cl. 5C23C 26/02 5C23C 26/00 5C21D 1/09 5B23K 26/18**  
[25] EN  
[54] **METHOD AND APPARATUS FOR PRODUCING A SURFACE LAYER ON A METALLIC WORKPIECE**  
[54] **METHODE ET DISPOSITIF POUR L'OBTENTION D'UNE COUCHE SUPERFICIELLE SUR UNE PIECE METALLIQUE**  
[72] Guilloud, Roger, CH  
[72] Gonseth, Denis, CH  
[72] DeKumbis, Roger, CH  
[73] Amysa-Yverdon S.A., CH  
[73] SULZER METCO AG, CH  
[22] 1991-06-10  
[30] CH (1992/90-2) 1990-06-13

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[11] **2,044,275**  
[13] C  
[51] **Int.Cl. 5B60G 11/32 5B60G 17/00 5B60G 15/06**  
[25] FR  
[54] **PROCEDE DE SUSPENSION DE ROUE DE VEHICULE**  
[54] **VEHICLE SUSPENSION SYSTEM**  
[72] Bianchi, Mauro, FR  
[73] Bianchi, Mauro, FR  
[85] 1991-05-30  
[86] 1990-10-05 (PCT/FR90/00715)  
[87] (WO91/04876)  
[30] FR (89 13240) 1989-10-05

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[11] **2,045,320**  
[13] C  
[51] **Int.Cl. 5H01B 13/02**  
[25] EN  
[54] **APPARATUS FOR REVERSE STRANDING AND A METHOD IN CONNECTION WITH STRANDING AND REVERSE STRANDING**  
[54] **APPAREIL ET METHODE DE TORONNAGE REGULIER ET INVERSE**  
[72] Karhu, Raimo, FI  
[73] NEXTROM HOLDING S.A., CH  
[22] 1991-06-24  
[30] FI (903309) 1990-06-29

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[11] **2,048,156**  
[13] C  
[51] **Int.Cl. 5F24H 9/20**  
[25] EN  
[54] **APPARATUS FOR CONTROLLING HEATING OF FLUIDS**  
[54] **APPAREIL DE REGULATION DE CHAUFFE DE FLUIDES**  
[72] McNair, John Duncan, AU  
[72] Richards, David Alexander, AU  
[73] BLACK & DECKER INC., US  
[22] 1991-07-30  
[30] AU (PK 1455) 1990-07-30

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[11] **2,053,298**  
[13] C

[51] **Int.Cl. 5G01N 27/00 5G01N 15/02**  
[25] EN  
[54] **CONTINUOUS-USE MOLTEN METAL INCLUSION SENSOR**  
[54] **SENSEUR D'INCLUSION EN METAL FONDU D'UTILISATION CONTINUE**  
[72] Guthrie, Roderick I.L., CA  
[72] Nakajima, Hidemasa, JP  
[73] R. GUTHRIE RESEARCH ASSOCIATES INC., CA  
[73] Sumitomo Metal Industries, Ltd., JP  
[85] 1991-10-24  
[86] 1990-04-27 (PCT/CA90/00141)  
[87] (WO90/13015)  
[30] JP (1/108872) 1989-04-27

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[11] **2,053,728**  
[13] C

[51] **Int.Cl. 5G06F 15/21**  
[25] EN  
[54] **FORMS AUTOMATION SYSTEM IMPLEMENTATION**  
[54] **SYSTEME DE PRODUCTION AUTOMATIQUE DE FORMULAIRES**  
[72] Yaksich, Mary Jo, US  
[72] Carr, Donald S., US  
[72] Hoholik, Anthony P., US  
[72] Bevilacqua, Samuel D., US  
[72] Hoellig, Susan M., US  
[72] Sprague, Darlene R., US  
[72] Andersen, Andrew C., US  
[72] Yarwood, Donna L., US  
[73] MOORE BUSINESS FORMS, INC., US  
[22] 1991-10-18  
[30] US (07/598,883) 1990-10-19

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[11] **2,054,082**  
[13] C

[51] **Int.Cl. 5B29D 11/00**  
[25] EN  
[54] **A METHOD OF MANUFACTURING A CONTACT LENS**  
[54] **METHODE POUR FABRIQUER DES LENTILLES CORNEENNES**  
[72] Evans, John M., US  
[72] Thakrar, Ashok, US  
[73] PBH, INC., US  
[22] 1991-10-23  
[30] US (07/605704) 1990-10-30  
[30] US (07/732129) 1991-07-18

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[11] **2,055,188**  
[13] C

[51] **Int.Cl. 5B01D 1/06**  
[25] EN  
[54] **EVAPORATION INSTALLATION**  
[54] **INSTALLATION DE VAPORISATION**  
[72] Huercanos Alvarez, Joaquin, ES  
[73] Huercanos Alvarez, Joaquin, ES  
[22] 1991-11-08  
[30] US (596,047) 1990-11-10

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[11] **2,057,400**  
[13] C

[51] **Int.Cl. 5G06F 1/10**  
[25] EN  
[54] **CLOCK BUFFER WITH ADJUSTABLE DELAY AND FIXED DUTY CYCLE OUTPUT**  
[54] **TAMPON D'HORLOGE A SIGNAL DE SORTIE A RETARD REGLABLE ET A FACTEUR DE FORME FIXE**  
[72] Tran, Thanh T., US  
[72] Abdoo, David G., US  
[73] COMPAQ COMPUTER CORPORATION, US  
[22] 1991-12-11  
[30] US (635,721) 1990-12-28

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[11] **2,058,165**  
[13] C

[51] **Int.Cl. 5C09J 5/00**  
[25] EN  
[54] **METHOD OF JOINING WOOD**  
[54] **METHODE D'ASSEMBLAGE DE PIECES DE BOIS**  
[72] Parker, Jeffery R., NZ  
[72] Taylor, Jeremy B. M., NZ  
[72] Plackett, David V., NZ  
[72] Lomax, Terence D., NZ  
[73] Her Majesty the Queen in Right of New Zealand., NZ  
[22] 1991-12-20  
[30] NZ (236646) 1990-12-21

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[11] **2,060,625**  
[13] C

[51] **Int.Cl. 5H02P 7/00**  
[25] EN  
[54] **SWITCHED RELUCTANCE MOTOR POSITION BY RESONANT SIGNAL INJECTION**  
[54] **DISPOSITIF POUR DETERMINER LA POSITION DU ROTOR D'UN MOTEUR A RELUCTANCE PAR INJECTION DE SIGNAUX RESONNANTS**  
[72] Goetz, Jay R., US  
[72] Harris, William A., US  
[72] Stalsberg, Kevin J., US  
[73] HONEYWELL INC., US  
[22] 1992-02-04  
[30] US (07/658482) 1991-02-20

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[11] **2,067,168**  
[13] C

[51] **Int.Cl. 5C08F 128/02 5G11B 7/00 5H01P 1/00 5G02F 1/01 5H03H 7/24 5G02B 6/26**  
[25] EN  
[54] **SULFONATED POLYANILINE SALT COMPOSITIONS, PROCESSES AND USES**  
[54] **COMPOSITIONS DE SEL DE POLYANILINE SULFONE, PROCEDES ET UTILISATIONS**  
[72] Epstein, Arthur J., US  
[72] Yue, Jiang, US  
[73] Ohio State University Research Foundation (The), US  
[85] 1992-04-10  
[86] 1990-10-23 (PCT/US90/06118)  
[87] (WO91/06887)  
[30] US (426,959) 1989-10-24

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[11] **2,068,953**  
[13] C

[51] **Int.Cl. 5G06F 11/16**  
[25] EN  
[54] **SYNCHRONIZING TWO PROCESSORS AS AN INTEGRAL PART OF FAULT DETECTION**  
[54] **SYNCHRONISATION DE DEUX PROCESSEURS INCORPOREE A LA DETECTION DE DEFAILLANCES**  
[72] McDonald, Keith M., US  
[73] AG COMMUNICATION SYSTEMS CORPORATION, US  
[22] 1992-05-19  
[30] US (749,834) 1991-08-26

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[11] **2,078,344**  
[13] C  
[51] **Int.Cl. 5A01G 3/08 5B26B 25/00 5B27L 1/10**  
[25] EN  
[54] **PRUNING DEVICE**  
[54] **DISPOSITIF D'EMONDAGE**  
[72] Kolehmainen, Tenho, FI  
[73] Kolehmainen, Tenho, FI  
[85] 1992-09-15  
[86] 1991-03-14 (PCT/FI91/00073)  
[87] (WO91/13736)  
[30] FI (901311) 1990-03-16

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[11] **2,080,644**  
[13] C  
[51] **Int.Cl. 5C08L 95/00**  
[25] EN  
[54] **METHOD OF PRODUCING ASPHALT HAVING AN INCREASED PENETRATION AND PENETRATION INDEX**  
[54] **METHODE POUR LA PRODUCTION DE BITUME AYANT UNE MEILLEURE PENETRATION ET UN INDICE DE PENETRABILITE PLUS ELEVE**  
[72] Moran, Lyle E., CA  
[72] Murphy, William J., CA  
[73] Imperial Oil, CA  
[22] 1992-10-15  
[30] US (793,875) 1991-11-18

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[11] **2,082,528**  
[13] C  
[51] **Int.Cl. 5C07H 17/02 5C07H 19/23 5A61K 31/71**  
[25] EN  
[54] **ANTITUMOR SUBSTANCE BE-13793C DERIVATIVES**  
[54] **DERIVES BE-13793C D'UNE SUBSTANCE ANTITUMORALE**  
[72] Okanishi, Masanori, JP  
[72] Uemura, Daisuke, JP  
[72] Tanaka, Seiichi, JP  
[72] Kojiri, Katsuhisa, JP  
[72] Okura, Akira, JP  
[72] Funaishi, Kohtaro, JP  
[72] Suda, Hiroyuki, JP  
[73] Banyu Pharmaceutical Co., Ltd., JP  
[85] 1992-11-09  
[86] 1991-02-20 (PCT/JP91/00214)  
[87] (WO91/18003)  
[30] JP (2/122291) 1990-05-11

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[11] **2,092,531**  
[13] C  
[51] **Int.Cl. 5B63H 25/04**  
[25] EN  
[54] **REMOTE, ELECTRICAL MARINE STEERING SYSTEM**  
[54] **APPAREIL A GOUVERNER ELECTRIQUE A COMMANDE ELOIGNEE**  
[72] Wisner, Gary Eugene, US  
[72] McClellan, James Wendell, US  
[72] Harrington, Charles Willett, US  
[73] SYNCRO CORPORATION, US  
[85] 1993-03-25  
[86] 1991-10-17 (PCT/US91/07846)  
[87] (WO92/06891)  
[30] US (602,430) 1990-10-22

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[11] **2,098,839**  
[13] C  
[51] **Int.Cl. 5A61M 1/16**  
[25] EN  
[54] **DIALYSATE PRODUCTION SYSTEM WITH DIALYSATE PELLETS**  
[54] **SYSTEME DE PRODUCTION DE DIALYSATS A PASTILLES**  
[72] Ahmad, Suhail, US  
[72] Cole, James J., US  
[72] Jensen, William, US  
[73] THE BOARD OF REGENTS OF THE UNIVERSITY OF WASHINGTON, US  
[85] 1993-06-18  
[86] 1990-12-18 (PCT/US90/07480)  
[87] (WO92/11046)

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[11] **2,098,991**  
[13] C  
[51] **Int.Cl. 5B32B 21/08 5B05D 7/08**  
[25] EN  
[54] **PLASTIC-COATED CONCRETE FORM PANEL**  
[54] **PANNEAU DE COFFRAGE ENDUIT DE PLASTIQUE**  
[72] Hauser, Edward R., US  
[72] Lu, David D-L, US  
[73] HAKIM, RALPH N., US  
[73] WORLDTECH COATINGS, INC., US  
[85] 1993-06-22  
[86] 1992-01-23 (PCT/US92/00576)  
[87] (WO92/13016)  
[30] US (07/647,486) 1991-01-25  
[30] US (07/776,604) 1991-10-11

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[11] **2,100,836**  
[13] E  
[51] **Int.Cl. 5A61K 31/44 6A61K 9/20 6A61K 47/12**  
[25] EN  
[54] **PHARMACEUTICAL COMPOSITION**  
[54] **COMPOSITION PHARMACEUTIQUE**  
[72] Sherman, Bernard Charles, CA  
[73] Sherman, Bernard Charles, CA  
[21] **2,100,836**  
[22] 1993-07-19  
[48] 2001-03-12

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[11] **2,101,279**  
[13] C  
[51] **Int.Cl. 5G01R 31/36 5G06F 1/26**  
[25] EN  
[54] **PROCESS FOR DETERMINING THE BACKUP TIME OF A BATTERY**  
[54] **METHODE POUR DETERMINER LA DUREE DE VIE UTILE D'UNE BATTERIE**  
[72] Fiorina, Jean-Noël, FR  
[72] Lailier, Patrick, FR  
[73] MERLIN GERIN, FR  
[22] 1993-07-26  
[30] FR (9209818) 1992-08-05

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[11] **2,104,974**  
[13] C  
[51] **Int.Cl. 5B32B 27/06 5C25D 13/06 5B05D 7/24**  
[25] EN  
[54] **METHOD OF IMPROVING THE PROPERTIES OF COATED REINFORCED THERMOPLASTIC ARTICLES AND PRODUCTS OBTAINED THEREBY**  
[54] **METHODE POUR AMELIORER LES PROPRIETES D'ARTICLES EN MATIERE THERMOPLASTIQUE RENFORCEE ET GARNIE D'UN REVETEMENT; PRODUITS AINSI OBTENUS**  
[72] Yuan, San Chung, US  
[73] DU PONT (E. I.) DE NEMOURS AND COMPANY, US  
[85] 1993-08-26  
[86] 1991-02-27 (PCT/US91/01104)  
[87] (WO92/15729)

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[11] **2,105,142**  
[13] C

[51] **Int.Cl. 5C08J 11/08 5B01F 1/00**  
[25] EN  
[54] **METHOD OF RECOVERING  
POLYSTYRENE WASTE MATERIALS  
AND ITS APPARATUS FOR  
DISSOLVING POLYSTYRENE WASTE  
MATERIALS**  
[54] **METHODE SERVANT A  
RECUPERER DES DECHETS DE  
POLYSTYRENE, ET APPAREIL  
CONNEXE UTILISE POUR DISSOUDRE  
LESDITS DECHETS**  
[72] Komatsu, Shigetomi, JP  
[73] Komatsu, Shigetomi, JP  
[22] 1993-08-30

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[11] **2,105,164**  
[13] C

[51] **Int.Cl. 5A61M 5/24**  
[25] EN  
[54] **MEDICINE DISPENSING DEVICE  
[54] DISPOSITIF DE DISTRIBUTION  
DE MEDICAMENTS**  
[72] Levander, Gustav, SE  
[72] Ljungquist, Olle, SE  
[73] ARZNEIMITTEL GmbH APOTHEKER  
VETTER & CO. RAVENSBURG, DE  
[85] 1993-08-30  
[86] 1993-01-14 (PCT/SE93/00015)  
[87] (WO93/14799)  
[30] SE (9200172-6) 1992-01-22

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[11] **2,105,289**  
[13] C

[51] **Int.Cl. 5C10B 53/00**  
[25] FR  
[54] **SYSTEME POUR LE TRAITEMENT  
PAR THERMOLYSE DE PRODUITS  
SOLIDES DONT LE REJET EST  
PREJUDICIALE POUR  
L'ENVIRONNEMENT**  
[54] **SYSTEM FOR THE TREATMENT  
BY THERMOLYSIS OF SOLID  
PRODUCTS WHOSE REJECTION IS  
HARMFUL TO THE ENVIRONMENT**  
[72] Chaussonnet, Pierre, FR  
[73] SOCIÉTÉ FRANÇAISE DE  
THERMOLYSE, FR  
[85] 1993-08-31  
[86] 1992-03-19 (PCT/FR92/00250)  
[87] (WO92/16599)  
[30] FR (91/03675) 1991-03-20

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[11] **2,111,066**  
[13] C

[51] **Int.Cl. 5F25D 23/02**  
[25] EN  
[54] **LABYRINTH DOOR SEAL FOR A  
REFRIGERATOR**  
[54] **JOINT D'ETANCHEITE DE PORTE  
DE REFRIGERATEUR, A LABYRINTHE**  
[72] Banicevic, Nedo, CA  
[72] Pettit, Doug James, CA  
[73] Camco Inc., CA  
[22] 1993-12-09

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[11] **2,112,021**  
[13] C

[51] **Int.Cl. 5C08L 23/10 5C08F 299/00**  
[25] EN  
[54] **POLYPROPYLENE  
COMPOSITION**  
[54] **COMPOSITION  
POLYPROPYLENIQUE**  
[72] Yamaguchi, Masayoshi, JP  
[72] Ishimoto, Akio, JP  
[72] Wakumoto, Hiroshi, JP  
[72] Sugi, Masahiro, JP  
[73] MITSUI CHEMICALS INC., JP  
[22] 1993-12-21  
[30] JP (342169/1992) 1992-12-22

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[11] **2,113,003**  
[13] C

[51] **Int.Cl. 5B65B 43/50 5B65B 19/00**  
**5B65G 47/52**  
[25] EN  
[54] **APPARATUS FOR PRODUCING  
CIGARETTE PACKS**  
[54] **APPAREIL SERVANT A  
PRODUIRE DES PAQUETS DE  
CIGARETTES**  
[72] Focke, Heinz, DE  
[73] Focke & Co. (GmbH & Co.), DE  
[22] 1994-01-07  
[30] DE (P 43 00 149.1) 1993-01-08

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[11] **2,114,233**  
[13] C

[51] **Int.Cl. 5C08L 75/04 5C08K 5/00**  
**5C08J 9/04**  
[25] EN  
[54] **FLEXIBLE WATER-BLOWN  
POLYURETHANE FOAMS**  
[54] **MOUSSES POLYURETHANNES  
SOUPLES EXPANSEES A L'EAU**  
[72] Gabbard, James D., US  
[72] Bhombal, Abdul H., US  
[73] SOLUTIA INC., US  
[85] 1994-01-25  
[86] 1992-07-27 (PCT/US92/06195)  
[87] (WO93/03090)  
[30] US (740,368) 1991-08-05

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[11] **2,119,149**  
[13] C

[51] **Int.Cl. 5C12P 1/04 5A61K 39/39**  
**5A61K 35/74**  
[25] FR  
[54] **MEDICAMENT, NOTAMMENT  
IMMUNOMODULATEUR,  
CONTENANT DES ENVELOPPES OU  
FRACTIONS D'ENVELOPPES DE  
BACTERIES FILAMENTEUSES NON  
PHOTOSYNETHIQUES ET NON  
FRUCTIFIANTES, ET SA  
PREPARATION**  
[54] **DRUG, PARTICULARLY AN  
IMMUNOMODULATOR, CONTAINING  
NON-FRUCTIFYING, NON-  
PHOTOSYNTHETIC FILAMENTOUS  
BACTERIA ENVELOPES OR  
FRACTIONS THEREOF, AND  
PREPARATION THEREOF**  
[72] Aubert, Lucien, FR  
[72] Martin, Richard, FR  
[73] L'OREAL, FR  
[85] 1994-03-15  
[86] 1993-07-20 (PCT/FR93/00741)  
[87] (WO94/02158)  
[30] FR (92/08932) 1992-07-20

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[11] **2,119,862**  
[13] C

[51] **Int.Cl. 5G01R 31/36**  
[25] EN  
[54] **BATTERY VOLTAGE  
MEASUREMENT SYSTEM**  
[54] **SYSTEME POUR MESURER LA  
TENSION DE BATTERIES**  
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[13] C

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[54] **LUBRIFIANT RENFERMANT UN COMPOSE DU MOLYBDENE ET UNE DIARYLAMINE SECONDAIRE**  
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[54] **NOUVEAU PROCEDE DE PREPARATION DE SILICE PRECIPITEE, NOUVELLES SILICES PRECIPITEES CONTENANT DE L'ALUMINIUM ET LEUR UTILISATION AU RENFORCEMENT DES ELASTOMERES**  
[54] **NOVEL METHOD FOR PREPARING PRECIPITATED SILICA, NOVEL ALUMINIUM-CONTAINING PRECIPITATED SILICAS, AND USE THEREOF FOR REINFORCING ELASTOMERS**  
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[72] Pierce, Raymond J., CA  
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[54] **RESONATEUR DIELECTRIQUE EN MODE TM ET FILTRE DIELECTRIQUE EN MODE TM ET DUPLEXEUR UTILISANT LE RESONATEUR**  
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[72] MATSUI, Norifumi, JP  
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[13] C

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[25] EN  
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[54] **ACCESSOIRE ANTIDERAPANT CONVERTIBLE POUR ARTICLE CHAUSSANT, COMPRENANT DES CRAMPONS FAISANT PRISE SUR LA GLACE/NEIGE**  
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[54] **CARTOUCHE DE TONER A LOGEMENT ET GOUPILLE**  
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[72] MCINTYRE, John Randolph, US  
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[13] C

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[54] **DERIVES DE D-PENTOFURANOSE ET LEUR PROCEDE DE PREPARATION**  
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[13] C

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[54] **SECHOIR A PAPIER CHAUFFE AU GAZ**  
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[72] GAMBLE, David, US  
[73] Asea Brown Boveri Inc., CA  
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[11] 2,231,104  
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[54] **STRUCTURES D'APPELS DANS UN RESEAU DE TELECOMMUNICATIONS**  
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[73] BRITISH TELECOMMUNICATIONS PUBLIC LIMITED COMPANY, GB  
[85] 1998-03-04  
[86] 1996-09-18 (PCT/GB96/02331)  
[87] (WO97/11547)  
[30] EP (95306560.4) 1995-09-18

[11] 2,238,504  
[13] C

[51] Int.Cl. 6H02K 17/42  
[25] EN  
[54] **STATOR ARRANGEMENT OF ALTERNATOR FOR VEHICLE**  
[54] **AGENCEMENT DU STATOR D'UN ALTERNATEUR POUR VEHICULE**  
[72] SHIGA, Tsutomu, JP  
[72] KUSASE, Shin, JP  
[72] UMEDA, Atsushi, JP  
[73] DENSO CORPORATION, JP  
[22] 1998-05-25  
[30] JP (9-279751) 1997-09-26  
[30] WO (PCT/JP97/01778) 1997-05-26  
[30] JP (10-114174) 1998-04-08

**Brevets canadiens délivrés  
13 mars 2001**

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[11] **2,240,931**  
[13] C

[51] **Int.Cl. 6G01V 1/38 6G01V 13/00 6G01V 1/137**  
[25] EN  
[54] **SIGNATURES OF MARINE SEISMIC SOURCES**  
[54] **SIGNATURES DE SOURCES SISMQUES MARINES**  
[72] ZIOLKOWSKI, Antoni Marjan, GB  
[73] ZIOLKOWSKI, Antoni Marjan, GB  
[85] 1998-06-17  
[86] 1996-12-20 (PCT/GB96/03182)  
[87] (WO97/22892)  
[30] GB (9526099.8) 1995-12-20

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[11] **2,248,619**  
[13] C

[51] **Int.Cl. 6H02J 7/16 6F02D 29/06 6H02P 9/30**  
[25] EN  
[54] **GENERATOR FOR INTERNAL COMBUSTION ENGINE**  
[54] **GENERATEUR POUR MOTEUR A COMBUSTION INTERNE**  
[72] KURODA, Seiichi, JP  
[72] FUJIWARA, Tadashi, JP  
[72] KUBO, Kazuyuki, JP  
[72] FUJITA, Takuya, JP  
[72] NAGANO, Shinsuke, JP  
[72] ARAI, Hideaki, JP  
[73] HONDA GIKEN KOGYO KABUSHIKI KAISHA, JP  
[85] 1998-09-09  
[86] 1998-01-13 (PCT/JP98/00085)  
[87] (WO98/31089)  
[30] JP (15859/97) 1997-01-13  
[30] JP (15860/97) 1997-01-13

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[11] **2,262,544**  
[13] C

[51] **Int.Cl. 6G11B 23/04 6G11B 23/03 6G11B 5/82**  
[25] EN  
[54] **MAGNETIC DISK CARTRIDGE**  
[54] **CARTOUCHE DE DISQUE MAGNETIQUE**  
[72] OISHI, Kengo, JP  
[73] FUJI PHOTO FILM CO., LTD., JP  
[73] IOMEGA CORPORATION, US  
[85] 1999-02-05  
[86] 1996-08-08 (PCT/JP96/02236)  
[87] (WO98/07152)

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[11] **2,262,545**  
[13] C

[51] **Int.Cl. 6G11B 23/04 6G11B 23/03 6G11B 5/82**  
[25] EN  
[54] **MAGNETIC DISK CARTRIDGE**  
[54] **CARTOUCHE DE DISQUE MAGNETIQUE**  
[72] WATANABE, Seiichi, JP  
[73] IOMEGA CORPORATION, US  
[73] FUJI PHOTO FILM CO., LTD., JP  
[85] 1999-02-05  
[86] 1996-08-08 (PCT/JP96/02239)  
[87] (WO98/07154)

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[11] **2,262,638**  
[13] C

[51] **Int.Cl. 6G11B 23/04 6G11B 23/03 6G11B 5/82**  
[25] EN  
[54] **MAGNETIC DISK CARTRIDGE**  
[54] **CARTOUCHE DE DISQUE MAGNETIQUE**  
[72] OISHI, Kengo, JP  
[73] IOMEGA CORPORATION, US  
[73] FUJI PHOTO FILM CO., LTD., JP  
[85] 1999-02-05  
[86] 1996-08-08 (PCT/JP96/02234)  
[87] (WO98/07150)

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[11] **2,263,346**  
[13] C

[51] **Int.Cl. 6H02J 7/00**  
[25] EN  
[54] **IMPROVED TRANSCUTANEOUS ELECTROMAGNETIC ENERGY TRANSFER**  
[54] **TRANSFERT TRANSCUTANE AMELIORE D'ENERGIE ELECTROMAGNETIQUE**  
[72] CHEN, James C., US  
[73] LIGHT SCIENCES LIMITED PARTNERSHIP, US  
[85] 1999-02-10  
[86] 1997-06-26 (PCT/US97/11051)  
[87] (WO98/08565)  
[30] US (08/705,334) 1996-08-29

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[11] \* **2,274,405**  
[13] C

[51] **Int.Cl. 6A45C 11/32 6A44B 15/00**  
[25] EN  
[54] **KEYPOUCH**  
[54] **LE PORTE-CLEFS « KEYPOUCH**  
[72] FLORENDO, Rufino C., CA  
[73] FLORENDO, Rufino C., CA  
[22] 1999-05-27

**Canadian Patents Issued  
March 13, 2001**

# Canadian Laid-Open Applications

February 18, 2001 - February 24, 2001

## Demandes canadiennes mises à la disponibilité du public

18 février 2001 - 24 février 2001

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[21] **2,280,292**  
[13] A1  
[51] **Int.Cl. 6G06F 15/00 6G06F 15/16**  
[25] EN  
[54] **DATA PROCESSING METHOD AND SYSTEM UTILIZING PARALLEL PROCESSING**  
[54] **METHODE DE TRAITEMENT DES DONNEES ET SYSTEME UTILISANT LE TRAITEMENT PARALLELE**  
[72] MOURADIAN, GARY C., US  
[71] MOURADIAN, GARY C., US  
[22] 1999-08-18  
[43] 2001-02-18

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[21] **2,280,293**  
[13] A1  
[51] **Int.Cl. 6B65H 49/18 6B60P 3/035**  
[25] EN  
[54] **WIRE REEL UNROLLER**  
[54] **ENROULEUR DE CABLE**  
[72] BOUVIER, EUGENE, CA  
[71] BOUVIER, EUGENE, CA  
[22] 1999-08-18  
[43] 2001-02-18

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[21] **2,280,295**  
[13] A1  
[51] **Int.Cl. 6A47G 25/14**  
[25] EN  
[54] **GARMENT BAG HANGER SYSTEM**  
[54] **SYSTEME DE CINTRE ET DE HOUSSE A VETEMENTS**  
[72] EZER, SHAUL, CA  
[71] EZER, SHAUL, CA  
[22] 1999-08-18  
[43] 2001-02-18

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[21] **2,280,297**  
[13] A1  
[51] **Int.Cl. 6E01C 23/00**  
[25] EN  
[54] **RETRACTABLE GROUND WORKING DEVICE**  
[54] **DISPOSITIF RETRACTABLE SERVANT A AMEUBLIR LA TERRE**  
[72] GILLARD, RAY W., CA  
[72] CULVER, LARRY G., CA  
[71] GILLARD, RAY W., CA  
[71] CULVER, LARRY G., CA  
[22] 1999-08-18  
[43] 2001-02-18

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[21] **2,280,300**  
[13] A1  
[51] **Int.Cl. 6B65B 31/02**  
[25] EN  
[54] **VACUUM APPARATUS**  
[54] **APPAREIL SERVANT A PRODUIRE LE VIDE**  
[72] PARK, YOON SIK, KR  
[71] PARK, YOON SIK, KR  
[22] 1999-08-18  
[43] 2001-02-18

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[21] **2,280,303**  
[13] A1  
[51] **Int.Cl. 6A63B 23/12 6A63B 21/00**  
[25] EN  
[54] **PUSH-UP MACHINE**  
[54] **MACHINE A REDRESSEMENT BRACHIAL**  
[72] RALPH, MICHAEL ALLEN, CA  
[71] RALPH, MICHAEL ALLEN, CA  
[22] 1999-08-18  
[43] 2001-02-18

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[21] **2,280,434**  
[13] A1  
[51] **Int.Cl. 6B01J 20/28 6H01M 8/06 6C01B 6/24 6C01B 3/56**  
[25] FR  
[54] **RUBANS D'HYDRURES METALLIQUES ET USAGES DE CEUX-CI NOTAMMENT POUR LE STOCKAGE DE L'HYDROGENE**  
[54] **METALLIC HYDRIDE BANDS AND THEIR USE, PARTICULARLY IN THE STORAGE OF HYDROGEN**  
[72] SCHULZ, ROBERT, CA  
[72] BLOUIN, MARCO, CA  
[72] LALANDE, GUY, CA  
[72] DUBUC, RENÉ, CA  
[72] BOILY, SABIN, CA  
[71] HYDRO-QUEBEC, CA  
[22] 1999-08-18  
[43] 2001-02-18

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[21] **2,280,435**  
[13] A1  
[51] **Int.Cl. 6A61L 9/14**  
[25] EN  
[54] **ODOR CONTROL ATOMIZER UTILIZING OZONE AND WATER**  
[54] **BRUMISATEUR DE DEODORISATION QUI UTILISE L'OZONE ET L'EAU**  
[72] ERB, ELISHA W., US  
[72] RESCH, DARREL R., US  
[71] ERB, ELISHA W., US  
[71] RESCH, DARREL R., US  
[22] 1999-08-18  
[43] 2001-02-18



**Canadian Laid-Open Applications**  
**February 18, 2001 - February 24, 2001**

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[21] **2,280,477**  
[13] A1

[51] **Int.Cl. 6G09B 23/26 6B01D 9/02**  
[25] EN  
[54] **SELF-CONTAINED  
REPRODUCIBLE CRYSTAL GROWING  
EXPERIMENT**  
[54] **EXPERIENCE AUTONOME  
REPRODUCTIBLE DE LA  
CROISSANCE D'UN CRISTAL**  
[72] TEIGE, HEINZ J., BS  
[71] TEIGE, HEINZ J., BS  
[22] 1999-08-18  
[43] 2001-02-18

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[21] **2,280,480**  
[13] A1

[51] **Int.Cl. 6A43B 7/22**  
[25] EN  
[54] **SOLE PAD UNIT WITH THE  
EFFECTS OF SUPPORTING THE  
METATARSAL BONE AND AIRING  
AND MASSAGING THE CENTER OF  
THE SOLE OF FOOT**  
[54] **COUSSINET DE SEMELLE AVEC  
SOUTIEN DU METATARSIEN ET  
AERATION ET MASSAGE DU CENTRE  
DE LA PLANTE DU PIED**  
[72] CHTN, SHOU, TW  
[72] CHEN, JUNG-HUI, TW  
[71] CHTN, SHOU, TW  
[71] CHEN, JUNG-HUI, TW  
[22] 1999-08-18  
[43] 2001-02-18

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[21] **2,280,497**  
[13] A1

[51] **Int.Cl. 6G01N 1/28 6B01L 9/00 6B65D  
71/70**  
[25] EN  
[54] **BIOLOGICAL SPECIMEN  
CASSETTE**  
[54] **CASSETTE DE SPECIMENS  
BIOLOGIQUES**  
[72] BERTIN, YANICK, CA  
[72] LAFOND, ANDRÉ, CA  
[71] 3088081 CANADA INC., CA  
[22] 1999-08-19  
[43] 2001-02-19

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[21] **2,280,506**  
[13] A1

[51] **Int.Cl. 6E04C 3/32**  
[25] EN  
[54] **NON-STRUCTURAL STEEL STUDS  
PORTEURS**  
[72] RICE, JOHN, CA  
[71] BAILEY METAL PRODUCTS  
LIMITED, CA  
[22] 1999-08-19  
[43] 2001-02-19

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[21] **2,280,510**  
[13] A1

[51] **Int.Cl. 6E04G 17/06**  
[25] EN  
[54] **TIE BARS FOR CONCRETE  
FORMS**  
[54] **BARRES D'ENTRETOISEMENT  
POUR MOULES A BETON**  
[72] HUBERT, THEODORE G., CA  
[71] HUBERT, THEODORE G., CA  
[22] 1999-08-19  
[43] 2001-02-19

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[21] **2,280,519**  
[13] A1

[51] **Int.Cl. 6C08K 5/54 6C09D 183/08  
6C08L 83/08**  
[25] EN  
[54] **ONE-PART  
ORGANOPOLYSILOXANE RUBBER  
COMPOSITION FOR USE AS A  
CORROSION PROTECTION COATING**  
[54] **COMPOSITION SIMPLE DE  
CAOUTCHOUC EN SILICONE POUR  
UTILISATION COMME REVETEMENT  
DE PROTECTION CONTRE LA  
CORROSION**  
[72] HUDA, SERAJ UL, CA  
[72] BARR, JOHN, CA  
[72] HUDA, FAISAL, CA  
[72] AHMED, FAROOQ, CA  
[71] CSL SILICONES INC., CA  
[22] 1999-08-20  
[43] 2001-02-20

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[21] **2,280,531**  
[13] A1

[51] **Int.Cl. 6G02B 5/00 6G02B 5/18**  
[25] EN  
[54] **F-SIN (0) LENS SYSTEM AND  
METHOD OF USE OF SAME**  
[54] **LENTILLES F-SIN(0) ET  
METHODE D'UTILISATION DESDITES  
LENTILLES**  
[72] THIBAUT, SIMON, CA  
[71] NATIONAL OPTICS INSTITUTE, CA  
[22] 1999-08-19  
[43] 2001-02-19

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[21] **2,280,537**  
[13] A1

[51] **Int.Cl. 6B05C 17/035**  
[25] EN  
[54] **ROLLER-TYPE LIQUID  
APPLICATOR**  
[54] **APPLICATEUR DE LIQUIDE TYPE  
ROULEAU**  
[72] LYE, SANDER, TW  
[71] LYE, SANDER, TW  
[22] 1999-08-19  
[43] 2001-02-19

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[21] **2,280,550**  
[13] A1

[51] **Int.Cl. 6C09D 11/08**  
[25] EN  
[54] **BRIGHT METALLIC INTAGLIO  
INK COMPOSITION**  
[54] **COMPOSITION D'ENCRE  
METALLIQUE CLAIRE POUR  
IMPRESSION EN CREUX**  
[72] LYEN, Eric A., CA  
[71] CANADIAN BANK NOTE  
COMPANY, LIMITED, CA  
[22] 1999-08-20  
[43] 2001-02-20

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[21] **2,280,553**  
[13] A1

[51] **Int.Cl. 6F42B 8/02 6F42B 5/02**  
[25] EN  
[54] **CONVERSION OF FIREARMS TO  
FIRE REDUCED-ENERGY  
AMMUNITION**  
[54] **CONVERSION D'ARMES A FEU  
PERMETTANT LA DECHARGE DE  
MUNITION A ENERGIE REDUITE**  
[72] DIONNE, SYLVAIN, CA  
[71] SNC INDUSTRIAL TECHNOLOGIES  
INC./LES TECHNOLOGIES  
INDUSTRIELLES SNC INC., CA  
[22] 1999-08-20  
[43] 2001-02-20

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**Demandes canadiennes mises à la disponibilité du public**  
**18 février 2001 - 24 février 2001**

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[21] **2,280,562**  
[13] A1

[51] **Int.Cl. 6A47K 10/38 6A47K 10/18**  
[25] EN  
[54] **TOILET PAPER HOLDER**  
[54] **DISTRIBUTEUR DE PAPIER**  
**HYGIENIQUE**  
[72] GUAY, ROBERT, CA  
[71] GUAY, ROBERT, CA  
[22] 1999-08-23  
[43] 2001-02-23

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[21] **2,280,564**  
[13] A1

[51] **Int.Cl. 6G01N 21/21 6B44F 1/02**  
**6B42D 15/10**  
[25] EN  
[54] **SIGNATURE MARK**  
**RECOGNITION SYSTEMS**  
[54] **SYSTEMES DE**  
**RECONNAISSANCE DE SIGNATURE**  
[72] LAWRENCE, CHRISTOPHER  
ROBERT, GB  
[72] SAMBLES, JOHN ROY, GB  
[71] THE SECRETARY OF STATE FOR  
DEFENCE, GB  
[22] 1999-08-23  
[43] 2001-02-23

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[21] **2,280,565**  
[13] A1

[51] **Int.Cl. 6A61K 38/16 6A61K 7/48**  
[25] EN  
[54] **COSMETIC USE OF BOTULINUM**  
**TOXIN FOR TREATMENT OF**  
**DOWNTURNED MOUTH**  
[54] **UTILISATION COSMETIQUE DE**  
**TOXINE BOTULINIQUE POUR LE**  
**TRAITEMENT D'UNE BOUCHE**  
**ARQUEE VERS LE BAS**  
[72] CARRUTHERS, JEAN D. A., CA  
[72] CARRUTHERS, ALASTAIR, CA  
[71] CARRUTHERS, JEAN D. A., CA  
[71] CARRUTHERS, ALASTAIR, CA  
[22] 1999-08-20  
[43] 2001-02-20

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[21] **2,280,567**  
[13] A1

[51] **Int.Cl. 6A01D 82/00 6A01D 73/00**  
[25] EN  
[54] **SWATH CONDITIONER AND**  
**MOVER**  
[54] **CONDITIONNEUR ET CHARGEUR**  
**D'AIDAN**  
[72] MCCREA, DAVID GARY, CA  
[72] MCCREA, THOMAS EDWARD, CA  
[71] MCCREA, DAVID GARY, CA  
[71] MCCREA, THOMAS EDWARD, CA  
[22] 1999-08-18  
[43] 2001-02-18

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[21] **2,280,581**  
[13] A1

[51] **Int.Cl. 6E21B 33/03**  
[25] EN  
[54] **COMPOSITE PUMPING TREE**  
**WITH INTEGRAL SHUT-OFF VALVE**  
[54] **DISPOSITIF DE POMPAGE**  
**COMPOSE MUNI D'UNE VANNE**  
**D'ARR T INTEGREE**  
[72] LAM, TONY M., CA  
[72] FARQUHARSON, KEITH D., CA  
[71] LAM, TONY M., CA  
[71] FARQUHARSON, KEITH D., CA  
[22] 1999-08-20  
[43] 2001-02-20

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[21] **2,280,588**  
[13] A1

[51] **Int.Cl. 6G06F 9/44 6G11B 23/00**  
**6H04L 12/12**  
[25] EN  
[54] **CODE WRAPPING TO SIMPLIFY**  
**ACCESS TO AND USE OF ENTERPRISE**  
**JAVA BEANS**  
[54] **BOUCLAGE DE CODE POUR**  
**SIMPLIFIER L'ACCES AUX**  
**ENTERPRISE JAVABEANS AINSI QUE**  
**SON UTILISATION**  
[72] THEIVENDRA, LEONARD W., CA  
[72] CHAN, VICTOR S., CA  
[71] IBM CANADA LTD. - IBM CANADA  
LIMITÉE, CA  
[22] 1999-08-20  
[43] 2001-02-20

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[21] **2,280,595**  
[13] A1

[51] **Int.Cl. 6G06F 17/18 6G06F 17/60**  
[25] EN  
[54] **A GRAPHICAL USER INTERFACE**  
**FOR ANALYSING DATA FROM A**  
**MULTIPLICITY OF SOURCES**  
[54] **INTERFACE-UTILISATEUR**  
**GRAPHIQUE POUR L'ANALYSE DE**  
**DONNEES DE DIVERSES SOURCES**  
[72] DAVIES, CHRISTOPHER MICHAEL,  
CA  
[71] DAVIES, CHRISTOPHER MICHAEL,  
CA  
[22] 1999-08-20  
[43] 2001-02-20

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[21] **2,280,599**  
[13] A1

[51] **Int.Cl. 6B29C 45/17**  
[25] EN  
[54] **MELT TRANSFER SYSTEM AND**  
**BUSHING ASSEMBLY THEREFOR**  
[54] **SYSTEME DE TRANSFERT DE**  
**COULEE ET MANCHONS CONNEXES**  
[72] GELLERT, JOBST U., CA  
[71] GELLERT, JOBST U., CA  
[22] 1999-08-23  
[43] 2001-02-23

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[21] **2,280,607**  
[13] A1

[51] **Int.Cl. 6G06F 1/16 6G06F 13/00**  
[25] FR  
[54] **SUPPORT-ETUI PERMETTANT LE**  
**TRANSPORT ET L'IMPRESSION**  
**MAINS-LIBRES**  
[54] **CARRIER-CASE FOR HANDS-**  
**FREE TRANSPORT AND PRINTING**  
[72] DEMERS, JEAN-LUC, CA  
[72] LESSARD, JEAN, CA  
[71] 146798 CANADA INC., CA  
[71] OMNISOFT INC., CA  
[22] 1999-08-23  
[43] 2001-02-23

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**Canadian Laid-Open Applications**  
**February 18, 2001 - February 24, 2001**

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[21] **2,280,614**  
[13] A1

[51] **Int.Cl. 6H05B 3/10**  
[25] EN  
[54] **A HEATER CABLE IN COMBINATION WITH A LEAD CABLE**  
**[54] CABLE CHAUFFANT COMBINE A UN CABLE SOUS PLOMB**  
[72] MIYAHARA, SHOUHEI, JP  
[72] AOKI, HIDEKAZU, JP  
[72] MIZUMURA, YUTAKA, JP  
[72] NAKAJIMA, ATSUSHI, JP  
[72] KOIWA, KAZUHIKO, JP  
[72] NISHIWAKI, TOSHIKAZU, JP  
[71] TOTOKU ELECTRIC CO., LTD., JP  
[71] TOYO BOSEKI KABUSHIKI KAISHA, JP  
[22] 1999-08-23  
[43] 2001-02-23

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[21] **2,280,641**  
[13] A1

[51] **Int.Cl. 6F17C 13/02 6B60K 15/063 6B60K 15/077**  
[25] EN  
[54] **CYLINDER MANAGEMENT SYSTEM**  
**[54] SYSTEME D'EXPLOITATION DE BOUTEILLES A GAZ**  
[72] CARTER, STEPHEN A., CA  
[72] HEENAN, JOHN, CA  
[71] VERITEK NGV CANADA, CORP., CA  
[22] 1999-08-24  
[43] 2001-02-24

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[21] **2,280,661**  
[13] A1

[51] **Int.Cl. 6A22B 5/00 6A22C 15/00**  
[25] EN  
[54] **ANIMAL HANGER**  
**[54] CROCHET POUR SUSPENDRE UN ANIMAL**  
[72] LANTZ, ALBERT J., CA  
[71] LANTZ, ALBERT J., CA  
[22] 1999-08-20  
[43] 2001-02-20

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[21] **2,280,669**  
[13] A1

[51] **Int.Cl. 6E21B 10/08**  
[25] EN  
[54] **ROTARY CONE DRILL BIT WITH IMPROVED BEARING SYSTEM**  
**[54] TREPAN CONIQUE ROTATIF AVEC ROULEMENTS AMELIORES**  
[72] SAXMAN, WILLIAM C., US  
[71] DRESSER INDUSTRIES, INC., US  
[22] 1999-08-23  
[43] 2001-02-23

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[21] **2,280,688**  
[13] A1

[51] **Int.Cl. 6B25C 5/00**  
[25] EN  
[54] **IMPROVED STRUCTURE OF THE STAPLER**  
**[54] STRUCTURE AMELIOREE D'AGRAFEUSE**  
[72] WANG, DENG-FUW, TW  
[71] WANG, DENG-FUW, TW  
[22] 1999-08-23  
[43] 2001-02-23

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[21] **2,280,929**  
[13] A1

[51] **Int.Cl. 6A47G 23/02**  
[25] EN  
[54] **SOFT DRINK BOTTLE HOLDER**  
**[54] PORTE-BOUEILLE DE BOISSON GAZEUSE**  
[72] ACS, GABRIEL, CA  
[72] PAWLAK, STANISLAW, CA  
[71] ACS, GABRIEL, CA  
[71] PAWLAK, STANISLAW, CA  
[22] 1999-08-23  
[43] 2001-02-23

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[21] **2,280,951**  
[13] A1

[51] **Int.Cl. 6B66F 5/00 6B66F 7/12**  
[25] FR  
[54] **LEVE-TABLE**  
**[54] TABLE LIFT**  
[72] BOURGOIN-BEAULIEU, JACQUELINE, CA  
[71] BOURGOIN-BEAULIEU, JACQUELINE, CA  
[22] 1999-08-18  
[43] 2001-02-18

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[21] **2,280,991**  
[13] A1

[51] **Int.Cl. 6E06B 1/12 6E06B 3/12**  
[25] FR  
[54] **SYSTEME DE CADRE EN ALUMINIUM POUR PORTE**  
**[54] ALUMINIUM DOOR FRAME SYSTEM**  
[72] TOUPIN, MICHEL, CA  
[71] ALTEX EXTRUSION INC., CA  
[22] 1999-08-24  
[43] 2001-02-24

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[21] **2,281,062**  
[13] A1

[51] **Int.Cl. 6A44B 13/00**  
[25] EN  
[54] **CLOSURE FOR ARTICLE OF APPAREL AND FOR USE BY A PERSON HAVING HANDICAPPED HANDS**  
**[54] FERMETURE D'ARTICLE VESTIMENTAIRE MANOEUVRABLE PAR UN HANDICAPE MANUEL**  
[72] RAINVILLE-LONN, FRANCINE, CA  
[71] RAINVILLE-LONN, FRANCINE, CA  
[22] 1999-08-24  
[43] 2001-02-24

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[21] **2,281,063**  
[13] A1

[51] **Int.Cl. 6A47H 5/02**  
[25] EN  
[54] **DRAPERY ACTUATOR SYSTEM AND METHOD OF OPERATION**  
**[54] SYSTEME ACTIONNEUR DE TENTURE, ET FONCTIONNEMENT**  
[72] MAO, KAI MING, CA  
[71] MAO, KAI MING, CA  
[22] 1999-08-24  
[43] 2001-02-24

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[21] **2,281,064**  
[13] A1

[51] **Int.Cl. 6B62D 37/02**  
[25] EN  
[54] **REAR AIR DEFLECTOR TO REDUCE THE DRAG OF VEHICLE**  
**[54] DEFLECTEUR AERODYNAMIQUE DE VEHICULE**  
[72] ROBERGE, KARIC, CA  
[72] BOIVIN, MATHIEU, CA  
[71] ROBERGE, KARIC, CA  
[71] BOIVIN, MATHIEU, CA  
[22] 1999-08-24  
[43] 2001-02-24

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[21] **2,281,334**  
[13] A1

[51] **Int.Cl. 6A01G 27/00 6A01G 29/00**  
[25] EN  
[54] **SELF IRRIGATION SYSTEM**  
[54] **SYSTEME D'AUTO-IRRIGATION**  
[72] NOUR EL-DEAN, HANY, CA  
[71] NOUR EL-DEAN, HANY, CA  
[22] 1999-08-20  
[43] 2001-02-20

[21] **2,281,355**  
[13] A1

[51] **Int.Cl. 6A23L 1/30**  
[25] EN  
[54] **HERBAL FIBRE POWDER SUPPLEMENT**  
[54] **SUPPLEMENT EN POUDRE A BASE DE FIBRES D'HERBES**  
[72] NONE, ZZ  
[71] ECOHEMP INC., CA  
[22] 1999-08-20  
[43] 2001-02-20

[21] **2,281,404**  
[13] A1

[51] **Int.Cl. 6A63C 3/10 6B24B 3/00 6B24B 5/36**  
[25] EN  
[54] **AUTOMATIC SKATE SHARPENER**  
[54] **AIGUISEUR DE PATINS AUTOMATIQUE**  
[72] LASZLO, IVAN, CA  
[72] FISCHER, HERMAN, CA  
[71] LASZLO, IVAN, CA  
[71] FISCHER, HERMAN, CA  
[22] 1999-08-18  
[43] 2001-02-18

[21] **2,281,428**  
[13] A1

[51] **Int.Cl. 6B01J 35/06 6D21H 23/20 6D21H 17/67**  
[25] EN  
[54] **PHOTOCATALYTIC PULP COMPOSITION, AND PROCESS FOR PRODUCING AND PRODUCTS AND APPARATUS RELATING THERETO**  
[54] **COMPOSITION DE PULPE PHOTOCATALYTIQUE, PROCESSUS POUR SA FABRICATION ET PRODUITS ET APPAREILS CONNEXES**  
[72] NISHIBORI, SADA0, JP  
[71] EIN KOHSAN CO., LTD., JP  
[22] 1999-09-03  
[43] 2001-02-20  
[30] JP (11-234790(234790/99)) 1999-08-20

[21] **2,281,842**  
[13] A1

[51] **Int.Cl. 6A01B 69/02**  
[25] EN  
[54] **PROXIMITY DETECTOR FOR GROUND BASED IMPLEMENTS**  
[54] **DETECTEUR DE PROXIMITE POUR EQUIPEMENTS AGRICOLES AU SOL**  
[72] MACK, ALEXANDER R., CA  
[71] MACK, ALEXANDER R., CA  
[22] 1999-08-24  
[43] 2001-02-24

[21] **2,281,881**  
[13] A1

[51] **Int.Cl. 6E06C 7/44 6E06C 7/02**  
[25] EN  
[54] **EXTENDA LEGS**  
[54] **ETIRE JAMBES**  
[72] RIBEZZO, NICK, CA  
[71] RIBEZZO, NICK, CA  
[22] 1999-08-23  
[43] 2001-02-23

[21] **2,281,986**  
[13] A1

[51] **Int.Cl. 6A61G 5/00 6A47K 3/12**  
[25] EN  
[54] **LTC DYNAMIC TILT SHOWER CHAIR**  
[54] **SIEGE DYNAMIQUE DE DOUCHE A BASCULEMENT POUR SOINS DE LONGUE DUREE**  
[72] MUXLOW, DAVID E., CA  
[71] MUXLOW, DAVID E., CA  
[22] 1999-08-24  
[43] 2001-02-24

[21] **2,282,011**  
[13] A1

[51] **Int.Cl. 6B60P 7/02 6B62D 33/04**  
[25] FR  
[54] **FIB-TEC**  
[54] **"FIB-TEC"**  
[72] GÉLINAS, RICHARD, CA  
[71] GÉLINAS, RICHARD, CA  
[22] 1999-08-24  
[43] 2001-02-24

[21] **2,284,866**  
[13] A1

[51] **Int.Cl. 6H04L 9/32 6H04N 5/272**  
[25] EN  
[54] **COCKTAIL WATERMARKING ON IMAGES**  
[54] **IMAGES A FILIGRANE COQUETEL NUMERISE**  
[72] LIAO, HONG-YUAN MARK, TW  
[72] LU, CHUN-SHIEN, TW  
[71] ACADEMIA SINICA, TW  
[22] 1999-10-05  
[43] 2001-02-19  
[30] US (09/377,236) 1999-08-19

[21] **2,284,955**  
[13] A1

[51] **Int.Cl. 6B29C 45/02**  
[25] EN  
[54] **MELT TRANSFER SYSTEM AND TRANSFER BUSHING THEREFOR**  
[54] **SYSTEME DE TRANSFERT DE COULEE ET MANCHONS DE TRANSFERT CONNEXES**  
[72] GELLERT, JOBST U., CA  
[71] GELLERT, JOBST U., CA  
[22] 1999-10-04  
[43] 2001-02-23  
[30] CA (2,280,599) 1999-08-23

[21] **2,285,769**  
[13] A1

[51] **Int.Cl. 6B60P 3/355**  
[25] EN  
[54] **CAMPING TRAILER LIFT**  
[54] **DISPOSITIF DE LEVAGE DE TENTE-REMORQUE**  
[72] STEURY, EDWIN J., US  
[72] STEURY, VIRGIL H., US  
[71] STEURY, EDWIN J., US  
[71] STEURY, VIRGIL H., US  
[22] 1999-10-12  
[43] 2001-02-23  
[30] US (09/379,026) 1999-08-23

[21] **2,285,889**  
[13] A1

[51] **Int.Cl. 6A43B 5/16 6A43C 11/00**  
[25] EN  
[54] **FOOTWEAR SUPPORT SYSTEM**  
[54] **DISPOSITIF DE MAINTIEN D'ARTICLE CHAUSSANT**  
[72] SHERMAN, DANIEL J., US  
[71] SHERMAN, DANIEL J., US  
[22] 1999-10-15  
[43] 2001-02-24  
[30] US (09/382,271) 1999-08-24

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[21] **2,288,391**  
[13] A1  
[51] **Int.Cl. 6E04B 1/64**  
[25] EN  
[54] **DRY 90**  
[54] **DRY 90**  
[72] SMERILLI, PHILIP, CA  
[71] SMERILLI, PHILIP, CA  
[22] 1999-10-29  
[43] 2001-02-19  
[30] US (09/377,524) 1999-08-19

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[21] **2,288,919**  
[13] A1  
[51] **Int.Cl. 7G01F 1/05 7G01F 1/10**  
[25] EN  
[54] **TURBINE FLOW METER**  
[54] **DEBITMETRE DE TURBINE**  
[72] SUH, JEONG-JOO, KR  
[71] G-INTEK CO., LTD., KR  
[22] 1999-11-04  
[43] 2001-02-24  
[30] KR (99-35231) 1999-08-24

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[21] **2,289,304**  
[13] A1  
[51] **Int.Cl. 7B65G 57/26**  
[25] EN  
[54] **STICKER TRANSFER FOR LUMBER STACKER**  
[54] **MECANISME DE TRANSFERT D'AUTOCOLLANTS POUR EMPILEUR DE BOIS D'OEUVRE**  
[72] FAERBER, JOHN D., US  
[71] U.S. NATURAL RESOURCES, INC., US  
[22] 1999-11-10  
[43] 2001-02-19  
[30] US (378,206) 1999-08-19

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[21] **2,291,974**  
[13] A1  
[51] **Int.Cl. 7A61K 35/78 7A23K 1/16 7A61P 1/16 7A23L 1/29**  
[25] EN  
[54] **COMPOSITION COMPRISING PANAX PSEUDO GINSENG AND EUCOMMIAE ULMOIDES**  
[54] **COMPOSITION COMPRENANT PANAX PSEUDOGINSENG ET EUCOMMIAE ULMOIDES**  
[72] YANAIHARA, NOBORU, JP  
[72] SHA, SHINHAN, JP  
[71] SHA, SHINHAN, JP  
[22] 1999-12-10  
[43] 2001-02-23  
[30] EP (99116511.9) 1999-08-23

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[21] **2,295,258**  
[13] A1  
[51] **Int.Cl. 7B25B 27/00 7F16B 37/12**  
[25] EN  
[54] **TANG BREAK-OFF TOOL**  
[54] **OUTIL PERMETTANT D'ENLEVER LES DEBRIS D'UN PIVOT ET/OU TENON**  
[72] HONDO, FUSAHIDE, JP  
[71] NIPPON SPREW CO., LTD., JP  
[22] 2000-01-11  
[43] 2001-02-20  
[30] JP (11-234816) 1999-08-20

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[21] **2,297,341**  
[13] A1  
[51] **Int.Cl. 7H04L 12/26**  
[25] EN  
[54] **SYSTEM FOR MONITORING NETWORK FOR CRACKER ATTACK**  
[54] **SYSTEME DE SURVEILLANCE DE RESEAU DESTINE A EMPECHER LES ATTAQUES DES PIRATES INFORMATIQUES**  
[72] BABA, YOSHIMI, JP  
[71] ALMA-BABA TECHNICAL RESEARCH LABORATORY CO., LTD., JP  
[22] 2000-01-27  
[43] 2001-02-18  
[30] JP (231127/11) 1999-08-18

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[21] **2,299,081**  
[13] A1  
[51] **Int.Cl. 7A01F 12/18 7A01F 12/30**  
[25] EN  
[54] **ROTARY COMBINE HAVING A ROTOR AXIS DIVERGENT FROM A ROTOR HOUSING AXIS**  
[54] **MOISSONNEUSE-BATTEUSE A SEPARATION ROTATIVE MUNIE D'UN AXE ROTOR QUI DIVERGE DE L'AXE DE LA STRUCTURE RIGIDE**  
[72] MORIARTY, KEVIN JOSEPH, US  
[71] DEERE & COMPANY, US  
[22] 2000-02-17  
[43] 2001-02-20  
[30] US (09/378,773) 1999-08-20

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[21] **2,299,890**  
[13] A1  
[51] **Int.Cl. 7B41F 31/02**  
[25] EN  
[54] **INK SUPPLYING APPARATUS**  
[54] **APPAREIL FOURNISSEUR D'ENCRE**  
[72] KIHARA, TERUAKI, JP  
[72] FUJIMOTO, SHINICHI, JP  
[71] MITSUBISHI HEAVY INDUSTRIES, LTD., JP  
[22] 2000-02-29  
[43] 2001-02-19  
[30] JP (HEI 11-232836) 1999-08-19  
[30] JP (HEI 11-232837) 1999-08-19

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[21] **2,301,884**  
[13] A1  
[51] **Int.Cl. 7A61F 2/04**  
[25] FR  
[54] **DISPOSITIF POUR PROVOQUER LE LARGAGE DANS UN CONDUIT HUMAIN OU ANIMAL D'UN OBJET, EN PARTICULIER UNE PROTHESE, ET SYSTEME D'IMPLANTATION COMPORTANT UN CATHETER ET UN TEL DISPOSITIF**  
[54] **APPARATUS CAUSING THE RELEASE OF AN OBJECT, PARTICULARLY AN IMPLANTED DEVICE, IN A HUMAN OR ANIMAL BODY CHANNEL, AND AN IMPLANTATION SYSTEM INCLUDING A CANNULA AND SUCH AN APPARATUS**  
[72] FEDIDA, JOSE, FR  
[71] NOVATECH SA., FR  
[22] 2000-03-23  
[43] 2001-02-24  
[30] FR (99 10733) 1999-08-24

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[21] **2,301,950**  
[13] A1  
[51] **Int.Cl. 7E05D 3/02**  
[25] EN  
[54] **AJUSTABLE BUTT HINGE**  
[54] **CHARNIERES A TALON REGLABLE**  
[72] DE SOUZA, STEPHEN, US  
[71] DE SOUZA, STEPHEN, US  
[22] 2000-03-21  
[43] 2001-02-24  
[30] US (09/382,061) 1999-08-24

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**18 février 2001 - 24 février 2001**

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[21] **2,302,138**  
[13] A1

[51] **Int.Cl. 7F16B 13/12 7E21D 20/00 7E02D 5/74**  
[25] EN  
[54] **UNITARY METAL LAG SHIELD**  
[54] **ECRAN PROTECTEUR DE METAL EN UNE PIECE**  
[72] GAUDRON, PAUL, US  
[71] POWERS FASTENERS, INC., US  
[22] 2000-03-27  
[43] 2001-02-20  
[30] US (09/378145) 1999-08-20

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[21] **2,302,564**  
[13] A1

[51] **Int.Cl. 7E04G 17/06 7E04G 17/14**  
[25] EN  
[54] **TIE BARS FOR CONCRETE FORMS**  
[54] **BARRES D'ENTRETOISEMENT POUR MOULES A BETON**  
[72] HUBERT, THEODORE G., CA  
[71] HUBERT, THEODORE G., CA  
[22] 2000-03-22  
[43] 2001-02-19  
[30] CA (2,280,510) 1999-08-19

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[21] **2,302,913**  
[13] A1

[51] **Int.Cl. 7A61K 31/722 7A61P 11/06 7A61K 9/08 7A61P 37/08**  
[25] EN  
[54] **THERAPEUTIC COMPOSITION FOR ALLERGIC DERMATITIS**  
[54] **COMPOSITION THERAPEUTIQUE POUR LE TRAITEMENT DE LA DERMITE ALLERGIQUE**  
[72] KOSAKA, YASUO, JP  
[72] MIZUSHIMA, YUTAKA, JP  
[72] SATOH, TOSHIO, JP  
[71] LTT INSTITUTE CO., LTD., JP  
[71] V-TEC CO., LTD., JP  
[71] SATOH, TOSHIO, JP  
[22] 2000-03-29  
[43] 2001-02-18  
[30] JP (231048/1999) 1999-08-18

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[21] **2,305,883**  
[13] A1

[51] **Int.Cl. 7G04B 49/02**  
[25] EN  
[54] **HORIZONTAL SUNDIAL ADJUSTABLE FOR ACCURATE READING AT MULTIPLE LATITUDES**  
[54] **CADRAN SOLAIRE HORIZONTAL ORIENTABLE POUR PERMETTRE UNE LECTURE PRECISE A DIVERSES LATITUDES**  
[72] KAUFMANN, GARRY CARL, US  
[71] KAUFMANN, GARRY CARL, US  
[22] 2000-04-25  
[43] 2001-02-23  
[30] US (09/378872) 1999-08-23

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[21] **2,305,968**  
[13] A1

[51] **Int.Cl. 7G06F 17/30 7G06F 3/00 7G06F 7/00**  
[25] EN  
[54] **METHOD AND SYSTEM IN AN ELECTRONIC SPREADSHEET FOR INTRODUCING NEW ELEMENTS IN A CELL NAMED RANGE ACCORDING TO DIFFERENT MODES**  
[54] **METHODE ET SYSTEME RELIES A UN TABLEUR ELECTRONIQUE POUR L'INTRODUCTION DE NOUVEAUX ELEMENTS DANS L'ETENDUE DEJA DEFINIE D'UNE CASE SELON DIFFERENTS MODES**  
[72] BAUCHOT, FREDERIC, FR  
[72] HARARI, ALBERT, FR  
[71] INTERNATIONAL BUSINESS MACHINES CORPORATION, US  
[22] 2000-04-19  
[43] 2001-02-20  
[30] EP (98480078.7) 1999-08-20

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[21] **2,307,255**  
[13] A1

[51] **Int.Cl. 7H04J 14/02**  
[25] EN  
[54] **A WAVELENGTH DEPENDENT OPTICAL NON-RECIPROCAL DEVICE**  
[54] **DISPOSITIF OPTIQUE NON RECIPROQUE BASE SUR LA LONGUEUR D'ONDE**  
[72] CHENG, YIHAO, CA  
[72] DUCELLIER, THOMAS, CA  
[71] JDS UNIPHASE INC., CA  
[22] 2000-04-27  
[43] 2001-02-20  
[30] US (09/377,692) 1999-08-20

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[21] **2,307,480**  
[13] A1

[51] **Int.Cl. 7B01D 19/00**  
[25] EN  
[54] **VACUUM DEGASSING**  
[54] **DEGAZADE SOUS VIDE**  
[72] HAMBERG, KURT P., US  
[72] SIMS, CARL W., US  
[72] GERNER, YURI, US  
[71] SYSTEC INC., US  
[22] 2000-05-03  
[43] 2001-02-20  
[30] US (09/378,592) 1999-08-20

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[21] **2,308,320**  
[13] A1

[51] **Int.Cl. 7A61B 5/02 7A61N 1/04**  
[25] EN  
[54] **CARDIAC MONITORING ELECTRODE APPARATUS AND METHOD**  
[54] **ELECTRODE DE CONTROLE CARDIAQUE ET METHODE CONNEXE**  
[72] QUINNELL, SCOTT D., US  
[72] OSKIN, EMIL, US  
[72] HULINGS, ROBERT J., US  
[71] LIFECOR, INC., US  
[22] 2000-05-12  
[43] 2001-02-19  
[30] US (09/377,454) 1999-08-19

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[21] **2,310,171**  
[13] A1

[51] **Int.Cl. 7A01G 9/10**  
[25] EN  
[54] **PLUG TRAY**  
[54] **PLATEAU DE REPIQUAGE**  
[72] LERCEL, MARK S., US  
[72] DILLER, CALVIN K., US  
[71] EAST JORDAN PLASTICS, INC., US  
[22] 2000-05-29  
[43] 2001-02-24  
[30] US (60/150,457) 1999-08-24  
[30] US (09/577,291) 2000-05-23

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[21] **2,310,179**  
[13] A1  
[51] **Int.Cl. 7F16L 21/035**  
[25] EN  
[54] **COUPLING ASSEMBLIES FOR PROVIDING FLUID CONNECTION**  
[54] **RACCORD ET ACCESSOIRES POUR FOURNIR UNE CONNEXION HYDRAULIQUE**  
[72] KETCHAM, MARK G., US  
[71] TI GROUP AUTOMOTIVE SYSTEMS CORPORATION, US  
[22] 2000-05-29  
[43] 2001-02-20  
[30] US (09/372,168) 1999-08-20  
[30] US (09/450,933) 1999-11-29

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[21] **2,310,915**  
[13] A1  
[51] **Int.Cl. 7E04B 2/78**  
[25] EN  
[54] **LINEAR BRIDGE SYSTEM FOR CONNECTING PANEL SYSTEMS**  
[54] **SYSTEME DE PONTAGE RECTILIGNE DE STRUCTURES DE PANNEAUX**  
[72] PEARSONS, ERROL S., US  
[72] PETERSON, ERIK R., US  
[72] CLARK, JEFFREY L., US  
[72] HILL, CHRISTOPHER C., US  
[72] KELLEY, JAMES O., US  
[72] WIERSMA, MICHAEL J., US  
[72] KUSIAK, JAMES L., US  
[71] HERMAN MILLER, INC., US  
[22] 2000-06-05  
[43] 2001-02-24  
[30] US (09/382,243) 1999-08-24

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[21] **2,311,105**  
[13] A1  
[51] **Int.Cl. 7H04L 29/14**  
[25] EN  
[54] **NETWORK DATA ROUTING PROTECTION CYCLES FOR AUTOMATIC PROTECTION SWITCHING**  
[54] **CYCLES DE PROTECTION DE L'ACHEMINEMENT DE DONNEES RESEAU POUR UNE COMMUTATION AUTOMATIQUE NORMAL/SECOURS**  
[72] ANDERSSON, LOA, SE  
[72] FELSKE, KENT, CA  
[72] WANG, GUO-QIANG, CA  
[71] NORTEL NETWORKS CORPORATION, CA  
[22] 2000-06-02  
[43] 2001-02-20  
[30] US (09/378,141) 1999-08-20

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[21] **2,311,719**  
[13] A1  
[51] **Int.Cl. 7B21K 19/00 7A01B 23/02 7A01B 35/26**  
[25] EN  
[54] **METHOD OF MAKING AN EARTH TILLING SWEEP FROM DISC SCRAP**  
[54] **METHODE DE FABRICATION DE DENTS DE MOTOCULTEUR A PARTIR DU MATERIAU DE RECYCLAGE QUI RESTE APRES LA FABRICATION DE DISQUES**  
[72] BRUCE, DOUGLAS G., US  
[71] BRUCE, DOUGLAS G., US  
[22] 2000-06-15  
[43] 2001-02-23  
[30] US (09/378,951) 1999-08-23

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[21] **2,311,956**  
[13] A1  
[51] **Int.Cl. 7B23B 51/12**  
[25] EN  
[54] **DRILLING AND FASTENER DRIVING TOOL**  
[54] **OUTIL DE COMMANDE DE PERCAGE ET D'ASSEMBLAGE**  
[72] VAUGHAN, JAMES C., JR., US  
[71] ILLINOIS TOOL WORKS INC., US  
[22] 2000-06-19  
[43] 2001-02-24  
[30] US (09/379,759) 1999-08-24

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[21] **2,312,107**  
[13] A1  
[51] **Int.Cl. 7C08F 236/20 7C08L 21/00 7C08L 47/00**  
[25] EN  
[54] **POLYMERIC RESINOUS MATERIAL DERIVED FROM LIMONENE, DICYCLOPENTADIENE, INDENE AND ALPHA-METHYL STYRENE**  
[54] **MATERIEL RESINEUX POLYMERE DERIVE DE LIMONENE, DE DICYCLOPENTADIENE, D'INDENE ET D' ALPHA-METHYLSTYRENE**  
[72] SANDSTROM, PAUL HARRY, US  
[72] KRALEVICH, MARK LESLIE JR., US  
[72] WIDEMAN, LAWSON GIBSON, US  
[72] BLOK, EDWARD JOHN, US  
[71] THE GOODYEAR TIRE & RUBBER COMPANY, US  
[22] 2000-06-21  
[43] 2001-02-18  
[30] US (09/377,303) 1999-08-18

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[21] **2,312,110**  
[13] A1  
[51] **Int.Cl. 7C08L 21/00 7C08L 45/00**  
[25] EN  
[54] **PNEUMATIC TIRE HAVING A TREAD CONTAINING DICYCLOPENTADIENE/BETA-PINENE RESIN**  
[54] **PNEUMATIQUE MUNI D'UNE BANDE DE ROULEMENT CONTENANT DE LA RESINE DE DICYCLOPENTADIENE ET DE BETA-PINENE**  
[72] KRALEVICH, MARK LESLIE JR., US  
[72] WIDEMAN, LAWSON GIBSON, US  
[72] BLOK, EDWARD JOHN, US  
[72] SANDSTROM, PAUL HARRY, US  
[71] THE GOODYEAR TIRE & RUBBER COMPANY, US  
[22] 2000-06-21  
[43] 2001-02-19  
[30] US (09/377,565) 1999-08-19

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[21] **2,312,137**  
[13] A1  
[51] **Int.Cl. 7H04L 12/40 7H04L 12/24**  
[25] EN  
[54] **NETWORK TOPOLOGY CHANGE, SYSTEM AND METHOD OF CHANGING**  
[54] **MODIFICATION DE TOPOLOGIE DE RESEAU, SYSTEME ET METHODE DE MODIFICATION**  
[72] SASAKI, YUHI, JP  
[72] SHINOHARA, TOSHIKI, JP  
[72] TSUZUKI, KENGO, JP  
[71] MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD., JP  
[22] 2000-06-23  
[43] 2001-02-24  
[30] JP (11-237435) 1999-08-24

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[21] **2,312,211**  
[13] A1  
[51] **Int.Cl. 7C10G 67/00**  
[25] FR  
[54] **PROCEDE DE PRODUCTION D'ESSENCES A FAIBLE TENEUR EN SOUFRE**  
[54] **LOW-SULPHUR SPECIES PRODUCTION METHOD**  
[72] MARCHAL, NATHALIE, FR  
[72] UZIO, DENIS, FR  
[72] DIDILLON, BLAISE, FR  
[71] INSTITUT FRANCAIS DU PETROLE, FR  
[22] 2000-06-15  
[43] 2001-02-19  
[30] FR (99 10 653) 1999-08-19

**Demandes canadiennes mises à la disponibilité du public**  
**18 février 2001 - 24 février 2001**

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[21] **2,312,410**  
[13] A1

[51] **Int.Cl. 7F24C 15/16**  
[25] EN  
[54] **OVEN RACK**  
[54] **CLAYETTE DE FOUR**  
[72] HERN-FONSETH, VALERIE L., US  
[72] BARNES, SHELTON T., US  
[72] BENNETT, PERRY A., US  
[71] MAYTAG CORPORATION, US  
[22] 2000-06-21  
[43] 2001-02-24  
[30] US (09/379,583) 1999-08-24

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[21] **2,312,449**  
[13] A1

[51] **Int.Cl. 7G06F 17/30 7G06F 7/00**  
[25] EN  
[54] **DYNAMICALLY PROVIDED CONTENT PROCESSOR FOR TRANSCODED DATA TYPES AT INTERMEDIATE STAGES OF TRANSCODING PROCESS**  
[54] **PROCESSEUR DYNAMIQUE DE CONTENU DE TYPES DE DONNEES TRANSCODEES A DES ETAPES SECONDAIRES DU PROCESSUS DE TRANSCODAGE**  
[72] RUTKOWSKI, MATTHEW FRANCIS, US  
[72] DUTTA, RABINDRANATH, US  
[71] INTERNATIONAL BUSINESS MACHINES CORPORATION, US  
[22] 2000-06-20  
[43] 2001-02-19  
[30] US (09/377,639) 1999-08-19

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[21] **2,312,458**  
[13] A1

[51] **Int.Cl. 7G06F 17/22 7H04L 12/54**  
[25] EN  
[54] **TECHNIQUE FOR CREATING AUDIENCE-SPECIFIC VIEWS OF DOCUMENTS**  
[54] **TECHNIQUE PERMETTANT DE CREER DES VISIONS DE DOCUMENTS PROPRES A CHAQUE AUDIENCE**  
[72] LECTION, DAVID B., US  
[72] MOLANDAR, MARK E., US  
[72] SALAHSHOOR, MOHAMAD R., US  
[72] SCANLON, JOHN L., US  
[71] INTERNATIONAL BUSINESS MACHINES CORPORATION, US  
[22] 2000-06-20  
[43] 2001-02-18  
[30] US (09/376,896) 1999-08-18

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[21] **2,312,548**  
[13] A1

[51] **Int.Cl. 7C08K 5/521 7B29C 33/00 7B29D 30/06 7C08L 23/22 7B29C 33/76**  
[25] EN  
[54] **TIRE CURING BLADDER CONTAINING LECITHIN AND USE THEREOF**  
[54] **RESERVOIR SOUPLE CONTENANT DE LA LECITHINE POUR LE TRAITEMENT DE PNEUS ET UTILISATION DE CELUI-CI**  
[72] KANSUPADA, BHARAT KANCHANLAL, US  
[72] SANDSTROM, PAUL HARRY, US  
[72] WHITE, JOHN RICHARD, US  
[72] PATITSAS, GEORGE PHILEMON, US  
[71] THE GOODYEAR TIRE & RUBBER COMPANY, US  
[22] 2000-06-27  
[43] 2001-02-23  
[30] US (09/379,040) 1999-08-23

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[21] **2,312,572**  
[13] A1

[51] **Int.Cl. 7B65G 47/78 7B65G 47/16 7B65G 53/46**  
[25] EN  
[54] **EXTENDED RANGE FEEDERS**  
[54] **ALIMENTATEURS A DISTRIBUTION ETENDUE**  
[72] STEELE, JAMES R., US  
[71] DYNAMIC AIR INC., US  
[22] 2000-06-27  
[43] 2001-02-23  
[30] US (09/378,914) 1999-08-23

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[21] **2,312,593**  
[13] A1

[51] **Int.Cl. 7G01T 3/00 7G01T 3/02 7G01T 3/06**  
[25] EN  
[54] **THERMAL NEUTRON DETECTOR USING A SCINTILLATOR WITH BACKGROUND GAMMA-RAY SHIELDING**  
[54] **DETECTEUR DE NEUTRONS THERMIQUES SE SERVANT D'UN SCINTILLATEUR MUNI D'UN ECRAN DE PROTECTION DE FOND CONTRE LES RAYONS GAMMA**  
[72] PENN, DAVID G., US  
[71] SAINT-GOBAIN INDUSTRIAL CERAMICS, INC., US  
[22] 2000-06-27  
[43] 2001-02-20  
[30] US (09/379,131) 1999-08-20

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[21] **2,313,254**  
[13] A1

[51] **Int.Cl. 7G06F 17/60 7G07B 17/00 7H04L 12/16**  
[25] EN  
[54] **SYSTEM FOR CUSTOMIZING AND ORDERING PERSONALIZED POSTAGE STAMPS**  
[54] **SYSTEME POUR FABRIQUER SUR COMMANDE DES TIMBRES-POSTES PERSONNALISES**  
[72] TSAUR, ALLEN K., US  
[72] PATTON, DAVID L., US  
[71] EASTMAN KODAK COMPANY, US  
[22] 2000-06-29  
[43] 2001-02-19  
[30] US (09/378,159) 1999-08-19

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[21] **2,313,293**  
[13] A1

[51] **Int.Cl. 7B65D 71/00**  
[25] EN  
[54] **LABEL PANEL CONTAINER CARRIER**  
[54] **EMBALLAGE REGROUPE DE CONTENANTS MULTIPLES**  
[72] OLSEN, ROBERT, US  
[71] ILLINOIS TOOL WORKS INC., US  
[22] 2000-06-30  
[43] 2001-02-18  
[30] US (09/377,000) 1999-08-18

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[21] **2,313,300**  
[13] A1

[51] **Int.Cl. 7B65D 71/00**  
[25] EN  
[54] **LABEL PANEL CONTAINER CARRIER**  
[54] **EMBALLAGE REGROUPE DE CONTENANTS MULTIPLES**  
[72] MARCO, LESLIE S., US  
[72] BROSKOW, JAMES A., US  
[72] OLSEN, ROBERT, US  
[71] ILLINOIS TOOL WORKS INC., US  
[22] 2000-06-30  
[43] 2001-02-18  
[30] US (09/376,441) 1999-08-18

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**Canadian Laid-Open Applications**  
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[21] **2,313,419**  
[13] A1

[51] **Int.Cl. 7F21V 15/00 7C25D 1/00 7B60Q 1/04**  
[25] EN  
[54] **ELECTRO-FORMED BULB SHIELD AND METHOD OF MAKING SAME**  
[54] **ECRAN DE LAMPE OBTENU PAR ELECTROFORMAGE ET METHODE DE FABRICATION DUDIT ECRAN**  
[72] DENLEY, RONALD S., US  
[71] ELCO TEXTRON INC., US  
[22] 2000-07-05  
[43] 2001-02-20  
[30] US (60/149,972) 1999-08-20

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[21] **2,313,960**  
[13] A1

[51] **Int.Cl. 7H05B 41/28**  
[25] EN  
[54] **APPARATUS AND METHOD FOR OPERATING A HIGH INTENSITY GAS DISCHARGE LAMP BALLAST**  
[54] **APPAREIL ET METHODE DE COMMANDE D'UN REGULATEUR DE PUISSANCE A DECHARGE GAZEUSE A HAUTE INTENSITE**  
[72] TRESTMAN, GRIGORIY A., US  
[72] BAY, DAVID L., US  
[71] OSRAM SYLVANIA INC., US  
[22] 2000-07-06  
[43] 2001-02-19  
[30] US (09/377,471) 1999-08-19

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[21] **2,314,021**  
[13] A1

[51] **Int.Cl. 7F16K 31/126**  
[25] EN  
[54] **NORMALLY OPEN PURGE VALVE**  
[54] **ROBINET DE PURGE NORMALEMENT OUVERT**  
[72] BOSTEDO, ROBERT G., US  
[72] JOHNSTON, GREGORY L., US  
[72] SANTORO, RALPH JR., US  
[72] SCOTT, DANIEL G., US  
[72] DIMSA, ROBERT D., US  
[71] WESTINGHOUSE AIR BRAKE COMPANY, US  
[22] 2000-07-13  
[43] 2001-02-24  
[30] US (379,874) 1999-08-24

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[21] **2,313,885**  
[13] A1

[51] **Int.Cl. 7B41L 27/32 7B41M 1/14 7B41F 3/42**  
[25] EN  
[54] **METHOD AND APPARATUS FOR EXCHANGING A ROLL OF A PRINTING PRESS**  
[54] **METHODE ET APPAREIL POUR ECHANGER LE ROULEAU D'UNE PRESSE A IMPRIMER**  
[72] ZEMAN, DALE E., US  
[72] VAN RYZIN, WILLIAM J., US  
[72] COMPTON, CRAIG T., US  
[72] MANDERS, ROBERT J., US  
[71] PAPER CONVERTING MACHINE COMPANY, US  
[22] 2000-07-12  
[43] 2001-02-20  
[30] US (09/378,021) 1999-08-20

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[21] **2,314,000**  
[13] A1

[51] **Int.Cl. 7F04B 39/16 7B60T 17/02 7F04B 39/06**  
[25] EN  
[54] **AFTERCOOLER HAVING BYPASS PASSAGE INTEGRALLY FORMED THEREWITH**  
[54] **REFROIDISSEUR INTERMEDIAIRE A VOIE DE DERIVATION INTEGREE**  
[72] BOSTEDO, ROBERT, US  
[72] CUNKELMAN, BRIAN L., US  
[71] WESTINGHOUSE AIR BRAKE COMPANY, US  
[22] 2000-07-13  
[43] 2001-02-24  
[30] US (382,299) 1999-08-24

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[21] **2,314,034**  
[13] A1

[51] **Int.Cl. 7B60T 13/66 7G08C 19/00**  
[25] EN  
[54] **TWO WAY FIELD TESTER FOR EOT DEVICE**  
[54] **DISPOSITIF BIDIRECTIONNEL D'ESSAI EN CONDITIONS REELLES DE MONITEUR DE QUEUE DE TRAIN**  
[72] GAUGHAN, EDWARD W., US  
[71] WESTINGHOUSE AIR BRAKE COMPANY, US  
[22] 2000-07-13  
[43] 2001-02-24  
[30] US (382,290) 1999-08-24

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[21] **2,313,913**  
[13] A1

[51] **Int.Cl. 7A61B 8/00 7G01N 29/22**  
[25] EN  
[54] **ULTRASOUND DIAGNOSTIC APPARATUS**  
[54] **APPAREIL DE DIAGNOSTIC A ULTRASONS**  
[72] SUNAGAWA, KAZUHIRO, JP  
[72] KANAI, HIROSHI, JP  
[72] TANNAKA, YOSHINAO, JP  
[71] MATSUSHITA ELECTRICAL INDUSTRIAL CO., LTD., JP  
[22] 2000-07-14  
[43] 2001-02-24  
[30] JP (11-237433) 1999-08-24

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[21] **2,314,014**  
[13] A1

[51] **Int.Cl. 7F16K 31/126**  
[25] EN  
[54] **PURGE VALVE**  
[54] **ROBINET DE PURGE**  
[72] SCOTT, DANIEL G., US  
[72] DIMSA, ROBERT D., US  
[72] SANTORO, RALPH JR., US  
[72] BOSTEDO, ROBERT G., US  
[72] JOHNSTON, GREGORY L., US  
[71] WESTINGHOUSE AIR BRAKE COMPANY, US  
[22] 2000-07-13  
[43] 2001-02-24  
[30] US (379,884) 1999-08-24

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[21] **2,314,465**  
[13] A1

[51] **Int.Cl. 7E03C 1/04**  
[25] EN  
[54] **IN-LINE BASKET FILTER AND ANTI-SIPHON VALVE ASSEMBLY FOR SPRAY SPOUT AND THE LIKE**  
[54] **FILTRE EN LIGNE ET SOUPAPE ANTI-SIPHONNEMENT POUR BEC PULVERISATEUR ET AUTRES DISPOSITIFS SEMBLABLES**  
[72] ALLMENDINGER, OTTO KARL, US  
[72] MARRY, GARY ROBIN, US  
[71] MASCO CORPORATION OF INDIANA, US  
[22] 2000-07-25  
[43] 2001-02-23  
[30] US (09/379,042) 1999-08-23

**Demandes canadiennes mises à la disponibilité du public**  
**18 février 2001 - 24 février 2001**

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[21] **2,314,584**  
[13] A1

[51] **Int.Cl. 7G01R 19/175 7F16D 27/14 7G08B 21/18 7F16D 65/34**  
[25] EN  
[54] **PROVING SWITCH**  
[54] **INTERRUPTEUR D'ESSAI**  
[72] CHMIEL, STEVEN F., US  
[71] REXNORD CORPORATION, US  
[22] 2000-07-20  
[43] 2001-02-19  
[30] US (09/377,119) 1999-08-19

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[21] **2,314,627**  
[13] A1

[51] **Int.Cl. 7F24F 7/00**  
[25] FR  
[54] **DISPOSITIF DE MONTAGE D'ELECTRODE COMPOSITE A AUTO-CUISSON POUR FOUR ELECTRIQUE A ARC**  
[54] **A PRESSURE COOKING COMMUTATION ELECTRODE MOUNTING SYSTEM FOR AN ELECTRIC ARC FURNACE**  
[72] DELORME, RAYMOND, FR  
[71] INVENSIL, FR  
[22] 2000-07-06  
[43] 2001-02-19  
[30] FR (99 10706) 1999-08-19

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[21] **2,314,790**  
[13] A1

[51] **Int.Cl. 7B65D 47/08**  
[25] EN  
[54] **DISPENSER PACKAGE FOR FLUENT PRODUCTS AND METHOD OF MANUFACTURE**  
[54] **DISTRIBUTEUR DE PRODUITS FLUIDES, ET METHODE DE FABRICATION**  
[72] MCCLEAN, CRAIG E., US  
[72] HARMAN, ROBERT E., US  
[71] OWENS-BROCKWAY PLASTIC PRODUCTS INC., US  
[22] 2000-07-31  
[43] 2001-02-24  
[30] US (09/383,165) 1999-08-24

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[21] **2,314,812**  
[13] A1

[51] **Int.Cl. 7H01R 13/52 7C09K 3/10**  
[25] EN  
[54] **NON-SILICONE SEALANT FOR UNIVERSAL INDOOR-OUTDOOR APPLICATIONS AND INSULATION-DISPLACEMENT CROSS CONNECTOR**  
[54] **PRODUIT D'ETANCHEITE SANS SILICONE, POUR APPLICATIONS UNIVERSELLES A L'INTERIEUR ET A L'EXTERIEUR ET INTER-CONNEXIONS AUTODENUDANTES**  
[72] HUSPENI, PAUL J., US  
[72] MAKRIDES-SARAVANOS, ELLI, US  
[71] CORNING CABLE SYSTEMS LLC, US  
[22] 2000-08-02  
[43] 2001-02-24  
[30] US (09/382,105) 1999-08-24

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[21] **2,314,837**  
[13] A1

[51] **Int.Cl. 7A01D 45/00**  
[25] EN  
[54] **HARVESTING DEVICE FOR HARVESTING EARS OF CORN AND SIMILAR CROPS**  
[54] **DISPOSITIF DE RECOLTE D'EPIS DE MAIS ET DE CULTURES SEMBLABLES**  
[72] WOLTERS, NORBERT, DE  
[72] WUBBELS, RICHARD, DE  
[71] MASCHINENFABRIK KEMPER GMBH & CO KG, DE  
[22] 2000-08-02  
[43] 2001-02-21  
[30] DE (199 39 723.6) 1999-08-21

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[21] **2,314,914**  
[13] A1

[51] **Int.Cl. 7C08F 293/00 7C08F 212/08 7C08F 297/08**  
[25] EN  
[54] **VINYLAROMATIC AND OLEFIN PSEUDOBLOCK POLYMERS**  
[54] **POLYMERES PSEUDOSEQUENCES D'OLEFINES ET DE COMPOSES VINYLAROMATIQUES**  
[72] WANG, QINYAN, CA  
[72] LAM, PATRICK, CA  
[71] NOVA CHEMICALS CORPORATION, CA  
[22] 2000-08-03  
[43] 2001-02-21  
[30] US (09/379,149) 1999-08-21

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[21] **2,315,132**  
[13] A1

[51] **Int.Cl. 7C23C 16/02 7C23C 16/26**  
[25] EN  
[54] **METHOD FOR FABRICATION OF PATTERNED CARBON NANOTUBE FILMS**  
[54] **METHODE DE FABRICATION DE PELLICULES DE NANOTUBES MODELES**  
[72] ZHU, WEI, US  
[72] ZHOU, OTTO, US  
[72] BOWER, CHRISTOPHER A., US  
[71] LUCENT TECHNOLOGIES INC., US  
[22] 2000-08-04  
[43] 2001-02-18  
[30] US (09/376,457) 1999-08-18

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[21] **2,315,432**  
[13] A1

[51] **Int.Cl. 7H04M 11/06 7H04L 29/10**  
[25] EN  
[54] **IMPROVED VODSL SERVICE PROVISION**  
[54] **PRESTATION DE SERVICE EN TELEPHONIE LAN AMELIORE**  
[72] GRANT, MICHAEL F., GB  
[72] CZAJKOWSKI, IGOR K., GB  
[72] UNITT, BRIAN MICHAEL, GB  
[72] HUMPHREY, LESLIE, GB  
[71] NORTEL NETWORKS CORPORATION, CA  
[22] 2000-08-10  
[43] 2001-02-18  
[30] US (09/375,758) 1999-08-18

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[21] **2,315,455**  
[13] A1

[51] **Int.Cl. 7B04C 5/103 7A47L 9/16**  
[25] EN  
[54] **AIR FLOW PASSAGE FOR A CYCLONIC SEPARATOR AND VACUUM CLEANER HAVING SAME**  
[54] **PASSAGE DE DEBIT D'AIR DESTINE A UN SEPARATEUR A CYCLONE ET A UN ASPIRATEUR A CYCLONE**  
[72] CONRAD, WAYNE ERNEST, CA  
[72] PETERSON, DAVE, CA  
[71] GBD CORP., CA  
[22] 2000-08-09  
[43] 2001-02-18  
[30] US (09/376,473) 1999-08-18

**Canadian Laid-Open Applications**  
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[21] **2,315,470**  
[13] A1

[51] **Int.Cl. 7H01R 4/24**  
[25] EN  
[54] **CONNECTOR HAVING IMPROVED HIGH-VOLTAGE SURGE PERFORMANCE**  
[54] **CONNECTEUR RESISTANT MIEUX AUX POINTES DE HAUTE TENSION**  
[72] NORTE, DAVID A., US  
[71] LUCENT TECHNOLOGIES INC., US  
[22] 2000-08-10  
[43] 2001-02-23  
[30] US (09/379,498) 1999-08-23

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[21] **2,315,520**  
[13] A1

[51] **Int.Cl. 7A01B 19/02 7B21D 11/10**  
[25] EN  
[54] **EARTH WORKING SWEEP**  
[54] **SOC A AILES OUVERTES POUR LE TRAVAIL DE LA TERRE**  
[72] BRUCE, DOUGLAS G., US  
[71] BRUCE, DOUGLAS G., US  
[22] 2000-08-09  
[43] 2001-02-23  
[30] US (09/378,951) 1999-08-23  
[30] US (09/519,020) 2000-03-03

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[21] **2,315,563**  
[13] A1

[51] **Int.Cl. 7E03D 3/06**  
[25] EN  
[54] **DIAPHRAGM ASSEMBLY DISC**  
[54] **DISQUE POUR ASSEMBLAGE DE MEMBRANE**  
[72] OLIVER, STEVEN R., US  
[72] WILSON, JOHN R., US  
[71] SLOAN VALVE COMPANY, US  
[22] 2000-08-11  
[43] 2001-02-18  
[30] US (09/376,380) 1999-08-18

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[21] **2,315,471**  
[13] A1

[51] **Int.Cl. 7H04Q 7/36**  
[25] EN  
[54] **RAU OPTIMISATION IN STANDBY STATE**  
[54] **OPTIMISATION DES MISES A JOUR DE ZONES D'ACHEMINEMENT EN ETAT D'ATTENTE**  
[72] YAMINI, HATEF, GB  
[72] PALAT, SUDEEP KUMAR, GB  
[71] LUCENT TECHNOLOGIES INC., US  
[22] 2000-08-10  
[43] 2001-02-23  
[30] EP (99306659.6) 1999-08-23

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[21] **2,315,556**  
[13] A1

[51] **Int.Cl. 7G01N 27/04**  
[25] EN  
[54] **METHOD AND APPARATUS FOR MEASURING THE CONCENTRATION OF A GAS**  
[54] **METHODE ET APPAREIL SERVANT A MESURER LA CONCENTRATION D'UN GAZ**  
[72] CONRAD, WAYNE ERNEST, CA  
[72] DUFF, RICHARD M., CA  
[71] FANTOM TECHNOLOGIES INC., CA  
[22] 2000-08-09  
[43] 2001-02-18  
[30] US (09/376,280) 1999-08-18

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[21] **2,315,570**  
[13] A1

[51] **Int.Cl. 7B22D 41/46 7C21C 5/46**  
[25] EN  
[54] **GAS BLOWING PLUG AND MANUFACTURING METHOD THEREFOR**  
[54] **OBTURATEUR PERMETTANT LE SOUFFLAGE DU GAZ ET METHODE DE FABRICATION CONNEXE**  
[72] ARAMAKI, KEIZO, JP  
[72] YOSHIDA, TSUYOSHI, JP  
[71] TOKYO YOGYO KABUSHIKI KAISHA, JP  
[22] 2000-08-11  
[43] 2001-02-19  
[30] JP (232425/1999) 1999-08-19

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[21] **2,315,516**  
[13] A1

[51] **Int.Cl. 7H01H 71/02 7H01H 71/00**  
[25] EN  
[54] **CIRCUIT BREAKER WITH TRIP UNIT MOUNTED TRIPPING PLUNGER AND LATCH THEREFOR**  
[54] **DISJONCTEUR MUNI D'UN DECLENCHEUR A LOQUET DE PLONGEUR**  
[72] MUELLER, ROBERT W., US  
[71] EATON CORPORATION, US  
[22] 2000-08-11  
[43] 2001-02-18  
[30] US (09/376,816) 1999-08-18

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[21] **2,315,561**  
[13] A1

[51] **Int.Cl. 7F16L 41/08**  
[25] EN  
[54] **ARRANGEMENT WITH A FEMALE PIPE ADAPTER, A FEMALE PIPE ADAPTER, A BOTTOM PAN, AN OPENING DESIGN, AND A MOULD CORE**  
[54] **INSTALLATION AVEC ADAPTEUR DE TUYAU FEMELLE, UN ADAPTEUR DE TUYAU FEMELLE, UNE CUVETTE INFERIEURE, UNE OUVERTURE ET UN NOYAU DE MOULE**  
[72] GUGGEMOS, HORST, AT  
[71] GUGGEMOS, HORST, AT  
[22] 2000-08-11  
[43] 2001-02-18  
[30] AT (1423/99) 1999-08-18

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[21] **2,315,577**  
[13] A1

[51] **Int.Cl. 7H03G 9/00 7H03F 1/26**  
[25] EN  
[54] **ADAPTIVE GAIN AND/OR PHASE ADJUSTMENT CONTROL SYSTEM AND METHOD**  
[54] **SYSTEME DE COMMANDE DU GAIN ADAPTATIF ET/OU DE LA MISE EN PHASE, ET METHODE CONNEXE**  
[72] MYER, ROBERT EVAN, US  
[72] GHANADAN, REZA, US  
[71] LUCENT TECHNOLOGIES INC., US  
[22] 2000-08-04  
[43] 2001-02-19  
[30] US (09/377,387) 1999-08-19

**Demandes canadiennes mises à la disponibilité du public**  
**18 février 2001 - 24 février 2001**

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[21] **2,315,582**  
[13] A1

[51] **Int.Cl. 7H01L 21/302**  
[25] EN  
[54] **METHOD OF FABRICATING A SEMICONDUCTOR MESA DEVICE**  
[54] **METHODE DE FABRICATION D'UN DISPOSITIF MESA A SEMI-CONDUCTEUR**  
[72] ENG, JULIE, US  
[72] LEVKOFF, JEROME, US  
[72] MAZZATESTA, ANTHONY D., US  
[72] MICHEL, ERICK JOHN, US  
[72] SUTRYN, DANIEL CHRISTOPHER, US  
[71] LUCENT TECHNOLOGIES INC., US  
[22] 2000-08-08  
[43] 2001-02-20  
[30] US (09/378,032) 1999-08-20

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[21] **2,315,583**  
[13] A1

[51] **Int.Cl. 7H03G 9/00 7H03F 1/26**  
[25] EN  
[54] **ALTERNATING GAIN AND PHASE CONTROL SYSTEM AND METHOD**  
[54] **METHODE ET SYSTEME DE COMMANDE DE GAIN ET DE PHASE EN ALTERNANCE**  
[72] MYER, ROBERT EVAN, US  
[72] GHANADAN, REZA, US  
[71] LUCENT TECHNOLOGIES INC., US  
[22] 2000-08-08  
[43] 2001-02-19  
[30] US (09/378,009) 1999-08-19

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[21] **2,315,605**  
[13] A1

[51] **Int.Cl. 7H01B 11/22 7H01B 11/18**  
[25] EN  
[54] **COMPOSITE FIBER OPTIC/ COAXIAL ELECTRICAL CABLES**  
[54] **CABLES MIXTES FIBRES OPTIQUES/CABLES ELECTRIQUES COAXIAUX**  
[72] SCHIESTLE, JOSEPH E., US  
[72] CONGDON, HERBERT V., II, US  
[71] CORNING CABLE SYSTEMS LLC, US  
[22] 2000-08-11  
[43] 2001-02-24  
[30] US (09/382,007) 1999-08-24

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[21] **2,315,650**  
[13] A1

[51] **Int.Cl. 7B23K 9/12 7B23K 9/00**  
[25] EN  
[54] **ELECTRIC WELDING APPARATUS AND METHOD**  
[54] **METHODE ET APPAREIL POUR LA SOUDURE ELECTRIQUE**  
[72] STAVA, ELLIOTT K., US  
[71] LINCOLN GLOBAL, INC., US  
[22] 2000-08-11  
[43] 2001-02-18  
[30] US (09/376,401) 1999-08-18

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[21] **2,315,663**  
[13] A1

[51] **Int.Cl. 7B23K 37/00 7C22C 21/00**  
[25] EN  
[54] **WELDED MULTI-CHAMBER HOLLOW PROFILE AND METHOD OF PRODUCING SAME**  
[54] **PROFILE CREUX SOUDE A PLUSIEURS CAVITES ET METHODE POUR LE FABRIQUER**  
[72] ORTH, CHRISTOPH, DE  
[72] KARSTEN, TIMM, DE  
[72] BRODAM, MICHAEL, DE  
[72] GONNER, JOHANNES, DE  
[71] CORUS ALUMINIUM PROFILTECHNIK BONN GMBH, DE  
[22] 2000-08-14  
[43] 2001-02-23  
[30] DE (299 14 735.5) 1999-08-23

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[21] **2,315,848**  
[13] A1

[51] **Int.Cl. 7H04B 1/62**  
[25] EN  
[54] **METHOD AND APPARATUS FOR AN AUTOMATIC PREDISTORTION SYSTEM**  
[54] **METHODE ET APPAREIL POUR SYSTEME AUTOMATIQUE DE DISTORSION PREALABLE**  
[72] MYER, ROBERT EVAN, US  
[71] LUCENT TECHNOLOGIES INC., US  
[22] 2000-08-09  
[43] 2001-02-18  
[30] US (09/375,749) 1999-08-18

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[21] **2,315,850**  
[13] A1

[51] **Int.Cl. 7H04Q 7/36 7H04Q 7/38**  
[25] EN  
[54] **RAU OPTIMISATION FOR UMTS URA CONNECTED STATE**  
[54] **OPTIMISATION DES MISES A JOUR DE ZONES D'ACHEMINEMENT EN ETAT DE CONNEXION URA DE SYSTEME UMTS**  
[72] ROBERTS, MICHAEL, GB  
[72] YAMINI, HATEF, GB  
[72] PALAT, SUDEEP KUMAR, GB  
[71] LUCENT TECHNOLOGIES INC., US  
[22] 2000-08-09  
[43] 2001-02-23  
[30] EP (99306649.7) 1999-08-23

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[21] **2,315,859**  
[13] A1

[51] **Int.Cl. 7B02C 9/04**  
[25] EN  
[54] **CORN MILLING AND SEPARATING DEVICE AND METHOD**  
[54] **MAISERIE, ET DISPOSITIF ET METHODE DE SEPARATION**  
[72] GRIEBAT, JOHN, US  
[72] KOECHNER, ALAN, US  
[71] THE QUAKER OATS COMPANY, US  
[22] 2000-08-09  
[43] 2001-02-19  
[30] US (09/377,083) 1999-08-19

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[21] **2,315,866**  
[13] A1

[51] **Int.Cl. 7B32B 5/20 7B31D 3/04**  
[25] EN  
[54] **METHOD AND APPARATUS FOR MAKING HEAT-INSULATIVE FOAMED LAYER CONTAINERS AND MAKING A WEB OF HEAT-INSULATIVE FOAMED LAYER MATERIAL**  
[54] **METHODE ET APPAREIL POUR PRODUIRE DES CONTENANTS A COUCHE ALVEOLAIRE CALORIFUGE ET POUR PRODUIRE UN RESEAU DE MATERIAUX A COUCHE ALVEOLAIRE CALORIFUGE**  
[72] BOWERS, DEBRA D., US  
[72] GEDDES, DANIEL J., US  
[72] RIGOTTI, KATHLEEN R., US  
[72] WHITMORE, REBECCA E., US  
[72] MAYNARD, PATRICK L. (DECEASED), US  
[72] PATTERSON, ROBERT, US  
[72] MUELLER, LOUANN S., US  
[72] BREINING, MICHAEL A., US  
[72] HARTJES, TIMOTHY P., US  
[71] FORT JAMES CORPORATION, US  
[22] 2000-08-14  
[43] 2001-02-23  
[30] US (09/382,199) 1999-08-23  
[30] US (09/425,295) 1999-10-25

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[21] **2,315,867**  
[13] A1

[51] **Int.Cl. 7G06F 13/18 7H04L 12/24**  
[25] EN  
[54] **BUFFER ACCEPTANCE METHOD**  
[54] **METHODE RELIEE A UN TAMPON DE RECEPTION**  
[72] NELISSEN, JORDI, BE  
[71] ALCATEL, FR  
[22] 2000-08-14  
[43] 2001-02-20  
[30] EP (99 402 093.1) 1999-08-20

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[21] **2,315,868**  
[13] A1

[51] **Int.Cl. 7H04L 12/56**  
[25] EN  
[54] **METHOD AND CIRCUIT ARRANGEMENT FOR SELECTING ATM CELLS WAITING IN QUEUES**  
[54] **METHODE ET MONTAGE DE CIRCUITS VISANT LA SELECTION DE CELLULES ATM SE TROUVANT DANS DES FILES D'ATTENTE**  
[72] HOEBEKE, RUDY GEORGES, BE  
[72] DE CNODDER, STEFAAN JOZEF, BE  
[71] ALCATEL, FR  
[22] 2000-08-14  
[43] 2001-02-20  
[30] EP (99 440 235.2) 1999-08-20

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[21] **2,315,869**  
[13] A1

[51] **Int.Cl. 7H04B 10/24 7H04J 14/02 7H04B 1/26**  
[25] EN  
[54] **METHOD OF TRANSMITTING AN INFORMATION SIGNAL**  
[54] **METHODE DE TRANSMISSION D'UN SIGNAL D'INFORMATION**  
[72] SCHMUCK, HARALD, DE  
[72] MITTRICH, MARTIN, DE  
[71] ALCATEL, FR  
[22] 2000-08-14  
[43] 2001-02-20  
[30] DE (199 39 540.3) 1999-08-20

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[21] **2,315,884**  
[13] A1

[51] **Int.Cl. 7B01J 31/22 7C07C 57/05 7C07C 11/06 7C07C 11/08 7C07C 255/08 7C07C 57/145 7C07C 11/167 7C07C 51/215 7C07C 47/22 7C07C 253/24 7C07C 45/33 7C07C 5/333 7C07D 307/60**  
[25] EN  
[54] **POLYOXOMETALLATE SUPPORTED CATALYSTS**  
[54] **CATALYSEURS SUR SUPPORT EN POLYOXOMETALLATE**  
[72] DEVLIN, ANNA MARIE, US  
[72] VOLPE, ANTHONY FRANK JR., US  
[71] ROHM AND HAAS COMPANY, US  
[22] 2000-08-14  
[43] 2001-02-23  
[30] US (60/150,309) 1999-08-23

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[21] **2,315,962**  
[13] A1

[51] **Int.Cl. 7H04Q 7/38**  
[25] EN  
[54] **SYSTEM AND METHOD FOR WIRELESS LOCAL CALLING**  
[54] **SYSTEME ET METHODE DE COMMUNICATION LOCALE SANS FIL**  
[72] MYER, ROBERT EVAN, US  
[71] LUCENT TECHNOLOGIES INC., US  
[22] 2000-08-08  
[43] 2001-02-20  
[30] US (09/377,815) 1999-08-20

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[21] **2,315,971**  
[13] A1

[51] **Int.Cl. 7A61B 17/16**  
[25] EN  
[54] **ACETABULAR REAMER BACKER PLATE**  
[54] **PLAQUE D'APPUI D'ALESOIR ACETABULAIRE**  
[72] GRACE, RICHARD L., US  
[72] DUERR, DANIEL I., US  
[72] GRACE, JEFF, US  
[71] GRACE MANUFACTURING INC., US  
[22] 2000-08-15  
[43] 2001-02-20  
[30] US (09/378,085) 1999-08-20

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[21] **2,315,972**  
[13] A1

[51] **Int.Cl. 7B60T 17/00 7B60T 13/36 7B60T 13/38**  
[25] EN  
[54] **IMPROVED PUSH ROD AND PLATE ASSEMBLY FOR BRAKE ACTUATORS AND METHOD OF FORMING SAME**  
[54] **ENSEMBLE AMELIORE DE TIGE DE POUSSEE ET DE PLAQUE POUR RECEPTEURS DE FREINAGE, ET DESCRIPTION**  
[72] PLANTAN, RONALD S., US  
[72] SCHULTZ, THOMAS O., US  
[71] INDIAN HEAD INDUSTRIES, INC., US  
[22] 2000-08-15  
[43] 2001-02-24  
[30] US (09/379,770) 1999-08-24

**Demandes canadiennes mises à la disponibilité du public**  
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[21] **2,315,981**  
[13] A1

[51] **Int.Cl. 7E21B 47/12 7G01V 1/40**  
[25] EN  
[54] **BOREHOLE LOGGING APPARATUS FOR DEEP WELL DRILLINGS WITH A DEVICE FOR TRANSMITTING BOREHOLE MEASUREMENT DATA**  
[54] **APPAREIL DE DIAGRAPHIE POUR LE FORAGE DE Puits PROFONDS MUNI D'UN DISPOSITIF POUVANT TRANSMETTRE LES DONNEES D'EVALUATION DU FORAGE**  
[72] WINNACKER, HELMUT, DE  
[71] BECFIELD DRILLING SERVICES GMBH, DE  
[22] 2000-08-14  
[43] 2001-02-19  
[30] DE (199 39 262.5) 1999-08-19

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[21] **2,315,986**  
[13] A1

[51] **Int.Cl. 7G06K 19/073**  
[25] EN  
[54] **SECURE PERSONALIZATION OF CHIP CARDS**  
[54] **PERSONNALISATION PROTEGEE DE CARTES A PUCE**  
[72] HAARDOERFER, JUERGEN, DE  
[72] WITZEL, MARTIN, DE  
[72] WOERZ, RAINER, DE  
[72] WEINLAENDER, MARKUS, DE  
[72] DROEGE, HARMUT, DE  
[72] GOTTSCHALK, VOLKER, DE  
[72] SCHAAL, ALBERT, DE  
[71] INTERNATIONAL BUSINESS MACHINES CORPORATION, US  
[71] SIEMENS AKTIENGESELLSCHAFT, DE  
[22] 2000-08-14  
[43] 2001-02-19  
[30] DE (199 39 280.3) 1999-08-19

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[21] **2,315,994**  
[13] A1

[51] **Int.Cl. 7G02B 6/17**  
[25] EN  
[54] **POLARIZATION-MAINTAINING OPTICAL FIBER AND POLARIZATION-MAINTAINING OPTICAL FIBER COMPONENT**  
[54] **FIBRE OPTIQUE DE MAINTIEN DE POLARISATION ET ELEMENT A FIBRE OPTIQUE DE MAINTIEN DE POLARISATION**  
[72] YAMAUCHI, RYOZO, JP  
[72] YAMASAKI, SHIGEFUMI, JP  
[72] MATSUMOTO, RYOKICHI, JP  
[72] NISHIDE, KENJI, JP  
[72] SASAKI, HIDEKI, JP  
[71] FUJIKURA LTD., JP  
[22] 2000-08-15  
[43] 2001-02-20  
[30] JP (11-234782) 1999-08-20

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[21] **2,315,995**  
[13] A1

[51] **Int.Cl. 7E03C 1/04 7F16K 27/00**  
[25] EN  
[54] **TWO-PIECE DECO LEVER HUB DECORATIVE DEUX PIECES**  
[54] **EMBOITEMENT DE POIGNEE DECORATIVE DEUX PIECES**  
[72] CHICA, REMIGIO M., US  
[72] PILATOWICZ, EDWARD J., US  
[72] HAMILL, CHARLES M., US  
[71] EMHART INC., US  
[22] 2000-08-14  
[43] 2001-02-20  
[30] US (09/377,980) 1999-08-20

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[21] **2,315,996**  
[13] A1

[51] **Int.Cl. 7G02F 1/01 7G02F 1/09 7H04B 10/17**  
[25] EN  
[54] **METHOD AND SYSTEM FOR CONTROLLING THE SLOPE OF AN OUTPUT RESPONSE**  
[54] **METHODE ET SYSTEME DE CONTROLE DE LA PENTE D'UNE REPONSE DE SORTIE**  
[72] CHENG, YIHAO, CA  
[71] JDS UNIPHASE INC., CA  
[22] 2000-08-15  
[43] 2001-02-20  
[30] US (09/377,692) 1999-08-20

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[21] **2,316,026**  
[13] A1

[51] **Int.Cl. 7E02F 9/28**  
[25] EN  
[54] **REPLACEABLE MACHINE PART RETENTION SYSTEM**  
[54] **DISPOSITIF DE RETENUE DE PIECE REMPLACABLE DE MACHINE**  
[72] PIPPINS, SHERLOCK, US  
[71] PIPPINS, SHERLOCK, US  
[22] 2000-08-16  
[43] 2001-02-20  
[30] US (09/372,156) 1999-08-20

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[21] **2,316,027**  
[13] A1

[51] **Int.Cl. 7H04L 29/02**  
[25] EN  
[54] **INTER-CHIP PORT AND METHOD FOR SUPPORTING HIGH RATE DATA STREAMS IN SDH AND SONET TRANSPORT NETWORKS**  
[54] **PORT ENTRE PUCES ET METHODE POUR PRENDRE EN CHARGE DES FLUX DE DONNEES A GRAND DEBIT DANS DES RESEAUX DE TRANSPORT SDH ET SONET**  
[72] MICHEL, DAVID, IL  
[72] DABBY, AMIR, IL  
[71] ECI TELECOM LTD., IL  
[22] 2000-08-16  
[43] 2001-02-18  
[30] IL (131461) 1999-08-18

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[21] **2,316,032**  
[13] A1

[51] **Int.Cl. 7C08G 63/08 7A61L 17/00 7C09J 167/04 7A61L 24/04 7A61K 7/42 7C08G 63/85**  
[25] EN  
[54] **ABSORBABLE COPOLYLACTIDES AND THEIR USE**  
[54] **COPOLYLACTIDES ABSORBABLES ET LEUR UTILISATION**  
[72] KREISER-SAUNDERS, INGRID, DE  
[72] JURGENS, CHRISTIAN, DE  
[72] RYGER-KRICHELDORF, HANS, DE  
[71] JURGENS, CHRISTIAN, DE  
[22] 2000-08-16  
[43] 2001-02-18  
[30] EP (99116119.1) 1999-08-18

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[21] **2,316,042**  
[13] A1

[51] **Int.Cl. 7C08F 297/02**  
[25] EN  
[54] **ANIONIC POLYMERIZATION PROCESS, AND PROCESS FOR PRODUCING A POLYMER BY THE ANIONIC POLYMERIZATION PROCESS**  
[54] **PROCESSUS DE POLYMERISATION ANIONIQUE ET PROCEDE DE PRODUCTION D'UN POLYMERE UTILISANT LE PROCESSUS DE POLYMERISATION ANIONIQUE**  
[72] HAMADA, KENICHI, JP  
[72] ISHIURA, KAZUSHIGE, JP  
[72] KATO, MASAJI, JP  
[72] YAGINUMA, SACHIE, JP  
[71] KURARAY CO., LTD., JP  
[22] 2000-08-16  
[43] 2001-02-24  
[30] JP (236445-1999) 1999-08-24

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[21] **2,316,043**  
[13] A1

[51] **Int.Cl. 7C01B 3/40**  
[25] EN  
[54] **PROCESS FOR PRE-REFORMING OF OXYGEN-CONTAINING GAS**  
[54] **PROCESSUS DE PREREFORMAGE DE GAZ OXYGENE**  
[72] AASBERG-PETERSEN, KIM, DK  
[72] HOJLUND NIELSEN, POUL ERIK, DK  
[72] BAK HANSEN, JENS-HENRIK, DK  
[72] OSTBERG, MARTIN, DK  
[71] HALDOR TOPSOE A/S, DK  
[22] 2000-08-16  
[43] 2001-02-19  
[30] DK (PA1999 01137) 1999-08-19

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[21] **2,316,046**  
[13] A1

[51] **Int.Cl. 7B27B 1/00 7G06F 17/50**  
[25] EN  
[54] **UNFINISHED WOOD PRODUCT CUTTING OPTIMIZATION SYSTEM**  
[54] **SYSTEME D'OPTIMISATION DE COUPE DE PRODUITS DE BOIS NON FINIS**  
[72] CHRISTENSEN, ELMER, US  
[72] JONES, LARRY H., US  
[72] SNYDER, WILLIAM D., US  
[72] FLOYD, STANLEY L., US  
[72] KENDALL, CALVIN K., US  
[72] PEARCE, BILLY B., US  
[72] SHAW, EVERETTE, US  
[72] YANCEY, MICHAEL J., US  
[71] WEYERHAEUSER COMPANY, US  
[22] 2000-08-16  
[43] 2001-02-24  
[30] US (09/379,974) 1999-08-24

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[21] **2,316,049**  
[13] A1

[51] **Int.Cl. 7A01M 31/06**  
[25] EN  
[54] **COLLAPSIBLE ANIMAL DECOY**  
[54] **LEURRE RABATTABLE D'ANIMAUX**  
[72] SCARIES, JOSEPH L., US  
[71] SCARIES, JOSEPH L., US  
[22] 2000-08-16  
[43] 2001-02-18  
[30] US (60/149,560) 1999-08-18  
[30] US (09/531,844) 2000-03-20

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[21] **2,316,054**  
[13] A1

[51] **Int.Cl. 7A63C 1/00**  
[25] EN  
[54] **SKATE BLADE ANGLE CONTROLLING DEVICE OF SKATES FOR SHORT TRACK**  
[54] **DISPOSITIF DE REGLAGE DE L'ANGLE D'UNE LAME DE PATIN POUR PATINAGE SUR COURTE PISTE**  
[72] KIM, MU-JUNG, KR  
[71] KIM, MU-JUNG, KR  
[22] 2000-08-17  
[43] 2001-02-20  
[30] KR (1999-17329) 1999-08-20  
[30] KR (2000-9030) 2000-03-30

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[21] **2,316,059**  
[13] A1

[51] **Int.Cl. 7E21B 33/14**  
[25] EN  
[54] **METHODS AND COMPOSITIONS FOR USE IN CEMENTING IN COLD ENVIRONMENTS**  
[54] **METHODES ET COMPOSITIONS POUVANT ETRE UTILISEES POUR LA CIMENTATION EN MILIEUX FROIDS**  
[72] GO BONCAN, VIRGILIO C., US  
[71] BJ SERVICES COMPANY, US  
[22] 2000-08-16  
[43] 2001-02-24  
[30] US (60/150474) 1999-08-24

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[21] **2,316,063**  
[13] A1

[51] **Int.Cl. 7H01H 71/74**  
[25] EN  
[54] **CIRCUIT BREAKER WITH DIAL INDICATOR FOR MAGNETIC TRIP LEVEL ADJUSTMENT**  
[54] **DISJONCTEUR MUNI D'UN COMPARETEUR A CADRAN POUR AJUSTEMENT MAGNETIQUE DU SEUIL DE DECLenchEMENT**  
[72] SUMPMAN, WAYNE C., US  
[72] TRAX, JAMES A., US  
[72] MUELLER, ROBERT W., US  
[71] EATON CORPORATION, US  
[22] 2000-08-16  
[43] 2001-02-18  
[30] US (09/376,254) 1999-08-18

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[21] **2,316,065**  
[13] A1

[51] **Int.Cl. 7E03D 9/10**  
[25] EN  
[54] **HUMAN WASTE TREATMENT SYSTEM**  
[54] **SYSTEME DE TRAITEMENT DES MATIERES DE VIDANGE**  
[72] NAKAYA, JUN, JP  
[71] SUIKO KINZOKU KABUSHIKI KAISHA, JP  
[22] 2000-08-16  
[43] 2001-02-23  
[30] JP (11-235453) 1999-08-23

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[21] **2,316,070**  
[13] A1

[51] **Int.Cl. 7F16L 59/02**  
[25] EN  
[54] **EDGE CUT TO INCREASE EFFECTIVE WIDTH OF INSULATION SHEET AND METHOD OF FORMING THE SAME**  
[54] **COUPE DU BORD D'UNE FEUILLE ISOLANTE POUR AMELIORER SA LARGEUR EFFICACE, ET METHODE POUR FAIRE LADITE COUPE**  
[72] CUNNINGHAM, RICHARD NAPOLEON, US  
[72] WUNSCH, JUDITH A., US  
[71] JOHNS MANVILLE INTERNATIONAL, INC., US  
[22] 2000-08-17  
[43] 2001-02-18  
[30] US (09/376,243) 1999-08-18

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[21] **2,316,073**  
[13] A1

[51] **Int.Cl. 7H01H 71/10 7H01H 9/26**  
[25] EN  
[54] **MULTI-POLE CIRCUIT BREAKER WITH MULTIPLE TRIP BARS**  
[54] **DISJONCTEUR MULTIPOLAIRE MUNI DE BARRES DE DECLENCHEMENT MULTIPLES**  
[72] MUELLER, ROBERT W., US  
[72] SUMPMAN, WAYNE C., US  
[71] EATON CORPORATION, US  
[22] 2000-08-16  
[43] 2001-02-18  
[30] US (09/376,265) 1999-08-18

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[21] **2,316,078**  
[13] A1

[51] **Int.Cl. 7B61B 12/12**  
[25] EN  
[54] **IMPROVED MOBILE JAW VICE FOR CLAMPING AND UNCLAMPING VEHICLES TO AND FROM A TRACTION CABLE OF A TRANSPORT SYSTEM**  
[54] **MORDACHE MOBILE AMELIOREE SERVANT A ARRIMER ET DESARRIMER DES VEHICULES D'UN SYSTEME DE TRANSPORT PAR CABLE TRACTEUR**  
[72] PABST, OTTO, IT  
[72] LEVI, FERRUCCIO, IT  
[71] LEITNER S.P.A., IT  
[22] 2000-08-17  
[43] 2001-02-18  
[30] IT (MI99A 001822) 1999-08-18

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[21] **2,316,100**  
[13] A1

[51] **Int.Cl. 7A47H 13/02**  
[25] EN  
[54] **SHOWER-CURTAIN HOLDER WITH ARTICLE SUPPORTING FIXTURE**  
[54] **PORTE-RIDEAU DE DOUCHE MUNI DE SUPPORTS POUR ARTICLES**  
[72] LAUK, FRANK, DE  
[71] LAUK, FRANK, DE  
[22] 2000-08-10  
[43] 2001-02-22  
[30] DE (299 16 670.8) 1999-08-22

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[21] **2,316,101**  
[13] A1

[51] **Int.Cl. 7A47F 5/00 7A47B 96/00**  
[25] EN  
[54] **MOUNTING BRACKET FOR ATTACHMENT TO METAL STORE SHELVING**  
[54] **SUPPORT DE FIXATION POUR RAYONS METALLIQUES DE MAGASINS**  
[72] NAGEL, THOMAS O., US  
[72] HEALEY, WILLIAM J., US  
[71] TRION INDUSTRIES, INC., US  
[22] 2000-08-10  
[43] 2001-02-19  
[30] US (09/377,117) 1999-08-19

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[21] **2,316,103**  
[13] A1

[51] **Int.Cl. 7H01G 4/002 7H01G 4/28**  
[25] EN  
[54] **CAPACITOR**  
[54] **CONDENSATEUR**  
[72] KUHLE, JORG, DE  
[72] WALLMEIER, FRANK, DE  
[72] DINGENOTTO, MEINOLF, DE  
[72] MEPELINK, JAN, DE  
[71] FILTEC FILTERTECHNOLOGIE FUR DIE ELEKTRONIKINDUSTRIE GMBH, DE  
[22] 2000-08-17  
[43] 2001-02-19  
[30] DE (299 14 584.0) 1999-08-19

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[21] **2,316,110**  
[13] A1

[51] **Int.Cl. 7A61F 13/494**  
[25] EN  
[54] **ABSORBENT ARTICLE**  
[54] **ARTICLE ABSORBANT**  
[72] TURI, MORDECHAI, US  
[72] KAUSCHKE, MICHAEL, US  
[72] DAMAGHI, KAMBIZ, US  
[72] KARAMI, HAMZEH, US  
[71] FIRST QUALITY ENTERPRISES, INC., US  
[22] 2000-08-17  
[43] 2001-02-18  
[30] US (09/376,282) 1999-08-18

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[21] **2,316,112**  
[13] A1

[51] **Int.Cl. 7C09D 183/04 7B05D 5/08**  
[25] EN  
[54] **RELEASE AGENTS FOR BITUMINOUS SUBSTANCES**  
[54] **AGENTS DE DEMOULAGE POUR MATIERES BITUMINEUSES**  
[72] ITO, KENGO, JP  
[72] OKABE, TADAHIRO, JP  
[72] MAHR, GUNTER, DE  
[71] WACKER-CHEMIE GMBH, DE  
[22] 2000-08-17  
[43] 2001-02-19  
[30] DE (199 39 257.9) 1999-08-19  
[30] DE (199 47 442.7) 1999-09-10

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[21] **2,316,113**  
[13] A1

[51] **Int.Cl. 7C12N 15/10 7C07H 21/00**  
[25] EN  
[54] **METHOD FOR NUCLEIC ACID PURIFICATION USING IODINE**  
[54] **METHODE DE PURIFICATION D'ACIDE NUCLEIQUE AU MOYEN D'IODE**  
[72] PULLEYBLANK, DAVID E., CA  
[71] PULLEYBLANK, DAVID E., CA  
[22] 2000-08-17  
[43] 2001-02-18  
[30] US (60/149,292) 1999-08-18

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**Canadian Laid-Open Applications**  
**February 18, 2001 - February 24, 2001**

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[21] **2,316,128**  
[13] A1

[51] **Int.Cl. 7H04M 3/58 7H04M 3/436**  
[25] EN  
[54] **CALL CONTROL SYSTEM AND METHOD**  
[54] **SYSTEME ET METHODE DE COMMANDE D'APPEL**  
[72] PINARD, DEBBIE, CA  
[71] MITEL CORPORATION, CA  
[22] 2000-08-17  
[43] 2001-02-23  
[30] GB (9919959.8) 1999-08-23

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[21] **2,316,130**  
[13] A1

[51] **Int.Cl. 7C07K 16/10 7C12N 5/12 7G01N 33/569 7G01N 33/576**  
[25] EN  
[54] **METHOD FOR DETECTION OR DETERMINATION OF HCV CORE ANTIGENS AND REAGENT FOR DETECTION OR DETERMINATION FOR USE THEREIN**  
[54] **METHODE DE DETECTION OU DE DETERMINATION DE LA PRESENCE D'ANTIGENES CAPSIDIQUES DE L'HEPATITE C ET REACTIF DE DETECTION OU DE DETERMINATION POUR UTILISATION AVEC CETTE METHODE**  
[72] NISHIDA, AYAKO, JP  
[72] KOHARA, MICHINORI, JP  
[72] FUKUI, MASANORI, JP  
[72] KONDOU, MASARU, JP  
[72] MORITA, KAZUKI, JP  
[71] KYOWA MEDEX CO., LTD., JP  
[22] 2000-08-15  
[43] 2001-02-19  
[30] JP (233171/99) 1999-08-19

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[21] **2,316,141**  
[13] A1

[51] **Int.Cl. 7C07C 69/587 7C10L 1/02 7C11C 3/04 7C07C 69/58 7C07C 69/732**  
[25] EN  
[54] **PROCESS FOR PRODUCTION OF FATTY ACID METHYL ESTERS FROM FATTY ACID TRIGLYCERIDES**  
[54] **PROCESSUS DE FABRICATION D'ESTERS METHYLIQUES D'ACIDE GRAS AU MOYEN DE TRIGLYCERIDES D'ACIDE GRAS**  
[72] BOOCOCK, DAVID GAVIN BROOKE, CA  
[71] BOOCOCK, DAVID GAVIN BROOKE, CA  
[22] 2000-08-15  
[43] 2001-02-18  
[30] CA (2,280,289) 1999-08-18

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[21] **2,316,151**  
[13] A1

[51] **Int.Cl. 7B23B 51/00**  
[25] EN  
[54] **SPADE BLADE DRILL AND METHOD OF MAKING**  
[54] **MECHE A FER DE B CHE ET METHODE DE FABRICATION**  
[72] SHALLENBERGER, FRED T., US  
[72] DEWALD, A. BRUCE, JR., US  
[71] KENNAMETAL INC., US  
[22] 2000-08-17  
[43] 2001-02-18  
[30] US (09/376,893) 1999-08-18

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[21] **2,316,157**  
[13] A1

[51] **Int.Cl. 7C07F 7/18 7C07D 303/32 7C07D 303/40 7C07C 69/734**  
[25] EN  
[54] **PROCESS FOR THE PREPARATION OF VITAMIN D ANALOGUES**  
[54] **PROCESSUS DE PREPARATION D'ANALOGUES DE LA VITAMINE D**  
[72] RADINOV, ROUMEN NIKOLAEV, US  
[72] DANIEWSKI, ANDRZEJ ROBERT, US  
[72] KABAT, MAREK MICHAL, US  
[72] OKABE, MASAMI, US  
[71] F. HOFFMANN-LA ROCHE AG, CH  
[22] 2000-08-17  
[43] 2001-02-23  
[30] US (60/150,226) 1999-08-23  
[30] US (60/150,378) 1999-08-23

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[21] **2,316,287**  
[13] A1

[51] **Int.Cl. 7F16K 15/14**  
[25] EN  
[54] **REINFORCED TIDE GATE VALVE**  
[54] **CLAPET OBTURATEUR A MAREE RENFORCE**  
[72] DUER, MICHAEL J., US  
[72] RAFTIS, SPIROS G., US  
[71] RED VALVE COMPANY, INC., US  
[22] 2000-08-18  
[43] 2001-02-18  
[30] US (60/149,601) 1999-08-18

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[21] **2,316,325**  
[13] A1

[51] **Int.Cl. 7C07C 11/02 7C07C 1/20**  
[25] EN  
[54] **FAST-FLUIDIZED BED REACTOR FOR MTO PROCESS**  
[54] **REACTEUR A LIT FLUIDISE RAPIDE POUR LE PROCEDE DE CONVERSION DU METHANOL EN OLEFINES (MTO)**  
[72] MILLER, LAWRENCE W., US  
[71] UOP LLC, US  
[22] 2000-08-18  
[43] 2001-02-20  
[30] US (09/378,416) 1999-08-20

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[21] **2,316,326**  
[13] A1

[51] **Int.Cl. 7A43C 15/00**  
[25] EN  
[54] **READILY MOUNTABLE TRACTION ENHANCING ATTACHMENT FOR FOOTWEAR**  
[54] **DISPOSITIF POUR CHAUSSURES AMELIORANT LA TRACTION ET FACILE A MONTER**  
[72] BELL, MICHAEL, US  
[72] BELL, ERIC P., US  
[72] BELL, JONATHAN MARC, US  
[71] BELL, MICHAEL, US  
[22] 2000-08-18  
[43] 2001-02-20  
[30] US (09/378,251) 1999-08-20

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[21] **2,316,329**  
[13] A1

[51] **Int.Cl. 7A61K 7/42 7A61K 7/48**  
[25] EN  
[54] **ADDITIVE FOR IMPROVING THE WATER RESISTANCE OF COSMETIC OR DERMATOLOGICAL FORMULATIONS**  
[54] **ADDITIF POUR AMELIORER LA RESISTANCE A L'EAU DE FORMULATIONS COSMETIQUES OU DERMATOLOGIQUES**  
[72] VOLLHARDT, JURGEN, US  
[71] DRAGOCO GERBERDING & CO. AG, DE  
[22] 2000-08-18  
[43] 2001-02-20  
[30] US (09/378,402) 1999-08-20

**Demandes canadiennes mises à la disponibilité du public**  
**18 février 2001 - 24 février 2001**

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[21] **2,316,399**  
[13] A1

[51] **Int.Cl. 7B65D 85/72**  
[25] EN  
[54] **CONTAINER PACKAGE WITH SPOONS**  
[54] **ENSEMBLE DE CONDITIONNEMENT DE CUILLERES**  
[72] ZIMMERMANN, JOHN, CA  
[72] SEARS, KENNETH A., CA  
[72] DUNN, ROBERT D., CA  
[71] PAPERBOARD INDUSTRIES CORPORATION, CA  
[71] KRAFT CANADA INC., CA  
[22] 2000-08-18  
[43] 2001-02-23  
[30] US (09/379,061) 1999-08-23

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[21] **2,316,400**  
[13] A1

[51] **Int.Cl. 7C12N 5/08 7C12N 5/06 7C12N 5/10 7A61K 35/12**  
[25] EN  
[54] **MULTIPLE MESODERMAL LINEAGE DIFFERENTIATION POTENTIALS FOR ADIPOSE TISSUE-DERIVED STROMAL CELLS AND USES THEREOF**  
[54] **POUVOIRS DE DIFFERENCIATION DE LIGNEES MESODERMIQUES MULTIPLES POUR LES CELLULES ADIPEUSES D'UN STROMA PROVENANT DE TISSUS, ET UTILISATIONS CONNEXES**  
[72] GIMBLE, JEFFREY M., US  
[72] WILKISON, WILLIAM O., US  
[72] HALVORSEN, YUAN-DI CHANG, US  
[71] ZEN-BIO, INC., US  
[22] 2000-08-18  
[43] 2001-02-19  
[30] US (60/149,849) 1999-08-19

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[21] **2,316,402**  
[13] A1

[51] **Int.Cl. 7G01N 1/28 7G02B 21/34 7G01N 33/48**  
[25] EN  
[54] **METHOD AND ASSEMBLY FOR SEPARATING FORMED CONSTITUENTS FROM A LIQUID CONSTITUENT IN A COMPLEX BIOLOGIC FLUID SAMPLE**  
[54] **METHODE ET ASSEMBLAGE POUR SEPARER DES CONSTITUANTS FIGURES D'UN CONSTITUANT LIQUIDE DANS UN ECHANTILLON DE FLUIDE BIOLOGIQUE COMPLEXE**  
[72] WARDLAW, STEPHEN C., US  
[71] LEVINE, ROBERT A., US  
[71] WARDLAW, STEPHEN C., US  
[71] WARDLAW PARTNERS LP, US  
[22] 2000-08-18  
[43] 2001-02-20  
[30] US (09/366,881) 1999-08-20

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[21] **2,316,406**  
[13] A1

[51] **Int.Cl. 7C12G 3/00**  
[25] EN  
[54] **AN ALCOHOLIC CREAM**  
[54] **CREME ALCOOLISEE**  
[72] MURPHY, TIMOTHEA MIRIAM, IE  
[72] MURPHY, MICHAEL LAURENCE, IE  
[71] MURPHY, TIMOTHEA MIRIAM, IE  
[71] MURPHY, MICHAEL LAURENCE, IE  
[22] 2000-08-18  
[43] 2001-02-20  
[30] EP (99650072.4) 1999-08-20

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[21] **2,316,408**  
[13] A1

[51] **Int.Cl. 7A23C 13/14**  
[25] EN  
[54] **A CREAM**  
[54] **CREME**  
[72] MURPHY, TIMOTHEA MIRIAM, IE  
[72] MURPHY, MICHAEL LAURENCE, IE  
[71] MURPHY, TIMOTHEA MIRIAM, IE  
[71] MURPHY, MICHAEL LAURENCE, IE  
[22] 2000-08-18  
[43] 2001-02-20  
[30] EP (99650073.2) 1999-08-20

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[21] **2,316,410**  
[13] A1

[51] **Int.Cl. 7C03B 5/225**  
[25] EN  
[54] **METHOD FOR REFINING MOLTEN GLASS**  
[54] **METHODE POUR AFFINER DU VERRE FONDU**  
[72] PFEIFFER, THOMAS, DE  
[72] KOLBERG, UWE, DE  
[72] NASS, PETER, DE  
[72] RODEK, ERICH, DE  
[72] KOPSEL, DETLEF, DE  
[72] ROMER, HILDEGARD, DE  
[72] KIEFER, WERNER, DE  
[71] SCHOTT GLAS, DE  
[22] 2000-08-18  
[43] 2001-02-21  
[30] DE (199 39 771.6-45) 1999-08-21

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[21] **2,316,413**  
[13] A1

[51] **Int.Cl. 7C12N 5/08 7C12Q 1/02 7C12N 5/06 7C12N 5/10 7A61K 35/12**  
[25] EN  
[54] **USE OF ADIPOSE TISSUE-DERIVED STROMAL CELLS FOR CHONDROCYTE DIFFERENTIATION AND CARTILAGE REPAIR**  
[54] **UTILISATION DE CELLULES ADIPEUSES D'UN STROMA PROVENANT DE TISSUS POUR LA DIFFERENCIATION DE CHONDROCYTES ET LA REPARATION DE CARTILAGE**  
[72] WILKISON, WILLIAM O., US  
[72] HALVORSEN, YUAN-DI CHANG, US  
[72] GIMBLE, JEFFREY M., US  
[71] ZEN-BIO, INC., US  
[22] 2000-08-18  
[43] 2001-02-19  
[30] US (60/149,850) 1999-08-19  
[30] US (09/573,989) 2000-05-17

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[21] **2,316,418**  
[13] A1

[51] **Int.Cl. 7B64C 27/54 7B64C 27/02**  
[25] EN  
[54] **HIGH SPEED ROTOR AIRCRAFT**  
[54] **AERONEF A VOILURE TOURNANT A REGIME ELEVE**  
[72] CARTER, JAY W., JR., US  
[71] CARTERCOPTERS, L.L.C., US  
[22] 2000-08-18  
[43] 2001-02-20  
[30] US (60/149,965) 1999-08-20  
[30] US (60/207,025) 2000-05-25

**Canadian Laid-Open Applications**  
**February 18, 2001 - February 24, 2001**

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[21] **2,316,419**  
[13] A1

[51] **Int.Cl. 7B41F 13/34**  
[25] EN  
[54] **DECK CONFIGURATION FOR A PRINTING PRESS**  
[54] **CONFIGURATION DE GROUPE D'IMPRESSION D'UNE PRESSE A IMPRIMER**  
[72] NELSON, PAUL A., US  
[72] MUDRY, ROMAN J., US  
[72] VAN RYZIN, WILLIAM J., US  
[71] PAPER CONVERTING MACHINE COMPANY, US  
[22] 2000-08-18  
[43] 2001-02-20  
[30] US (09/378,022) 1999-08-20

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[21] **2,316,420**  
[13] A1

[51] **Int.Cl. 7H01R 13/719 7H01R 9/24 7H03H 9/52**  
[25] EN  
[54] **MULTIPLE FILTER**  
[54] **FILTRE MULTIPLE**  
[72] MEPELINK, JAN, DE  
[72] DINGENOTTO, MEINOLF, DE  
[72] WALLMEIER, FRANK, DE  
[72] KUHLE, JORG, DE  
[71] FILTEC FILTERTECHNOLOGIE FUR DIE ELEKTRONIKINDUSTRIE GMBH, DE  
[22] 2000-08-18  
[43] 2001-02-19  
[30] DE (299 14 584.0) 1999-08-19  
[30] DE (199 39 379.6) 1999-08-19  
[30] DE (199 58 484.2) 1999-12-04

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[21] **2,316,421**  
[13] A1

[51] **Int.Cl. 7C08L 21/00 7C08L 7/00 7C08L 23/16**  
[25] EN  
[54] **RUBBER MIXTURES AND VULCANIZATES CONTAINING AGGLOMERATED RUBBER GELS**  
[54] **MELANGES DE CAOUTCHOUC ET VULCANISATS CONTENANT DES GELS DE CAOUTCHOUC AGGLOMERE**  
[72] JESKE, WINFRIED, DE  
[72] ORBRECHT, WERNER, DE  
[71] BAYER AKTIENGESELLSCHAFT, DE  
[22] 2000-08-18  
[43] 2001-02-23  
[30] DE (19939865.8) 1999-08-23

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[21] **2,316,424**  
[13] A1

[51] **Int.Cl. 7H04B 7/06**  
[25] EN  
[54] **TRANSMITTER APPARATUS AND COMMUNICATION METHOD INCLUDING METHOD OF DETECTING THE POSITION OF A RECEIVER**  
[54] **APPAREIL EMETTEUR ET METHODE DE COMMUNICATION, Y COMPRIS UNE METHODE DE DETECTER LA POSITION D'UN RECEPTEUR**  
[72] KAWASHIMA, HIDEMITSU, JP  
[72] HISANO, ATSUSHI, JP  
[72] TOGUCHI, YOICHI, JP  
[71] OMRON CORPORATION, JP  
[22] 2000-08-18  
[43] 2001-02-19  
[30] JP (11-233299) 1999-08-19

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[21] **2,316,425**  
[13] A1

[51] **Int.Cl. 7A47G 1/06**  
[25] EN  
[54] **DISPLAY MAT**  
[54] **PASSE-PARTOUT**  
[72] BOYCE, DANIEL G., US  
[71] BOYCE, DANIEL G., US  
[22] 2000-08-18  
[43] 2001-02-23  
[30] US (378,936) 1999-08-23

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[21] **2,316,429**  
[13] A1

[51] **Int.Cl. 7B41C 1/06**  
[25] EN  
[54] **METHOD AND DEVICE FOR REVERSIBLE IMAGING OF A PRINTING FORM**  
[54] **METHODE ET DISPOSITIF POUR IMAGERIE REVERSIBLE D'UNE FORME D'IMPRESSION**  
[72] PROBIAN, DIRK, DE  
[72] SCHNEIDER, JOSEF, DE  
[71] MAN ROLAND DRUCKMASCHINEN AG, DE  
[22] 2000-08-18  
[43] 2001-02-18  
[30] DE (199 39 240.4) 1999-08-18

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[21] **2,316,431**  
[13] A1

[51] **Int.Cl. 7B05B 5/08**  
[25] EN  
[54] **ELECTROSTATIC FLOCKING CHAMBER FOR FORMING ELECTROSTATIC FLOCKING APPARATUS**  
[54] **ENCEINTE DE FLOCAGE ELECTROSTATIQUE FAISANT PARTIE D'UN APPAREIL DE FLOCAGE ELECTROSTATIQUE**  
[72] ABE, MASAOKI, JP  
[72] TATSUMI, TERUYUKI, JP  
[71] MESAC CORPORATION, JP  
[71] SUMITOMO CORPORATION, JP  
[22] 2000-08-21  
[43] 2001-02-23  
[30] JP (11-235033) 1999-08-23

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[21] **2,316,432**  
[13] A1

[51] **Int.Cl. 7B05B 5/08**  
[25] EN  
[54] **ELECTROSTATIC PROCESSING CHAMBER ARRANGED IN ELECTROSTATIC FLOCKING APPARATUS AND ELECTROSTATIC COATING APPARATUS**  
[54] **ENCEINTE DE TRAITEMENT ELECTROSTATIQUE DISPOSEE DANS UN APPAREIL DE FLOCAGE ELECTROSTATIQUE ET APPAREIL D'ENDUCTION ELECTROSTATIQUE**  
[72] TATSUMI, TERUYUKI, JP  
[72] ABE, MASAOKI, JP  
[71] MESAC CORPORATION, JP  
[71] SUMITOMO CORPORATION, JP  
[22] 2000-08-21  
[43] 2001-02-23  
[30] JP (11-235030) 1999-08-23

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[21] **2,316,434**  
[13] A1

[51] **Int.Cl. 7H05B 3/18 7H05B 3/28 7B60N 2/56**  
[25] EN  
[54] **HEATING ELEMENT**  
[54] **ELEMENT CHAUFFANT**  
[72] HUGENSCHMIDT, MARKUS, DE  
[72] SCHULLER, FERDINAND, DE  
[72] WEISS, MICHAEL, DE  
[71] W.E.T. AUTOMOTIVE SYSTEMS AG, DE  
[22] 2000-08-18  
[43] 2001-02-20  
[30] DE (DE 199 39 174.2) 1999-08-20

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**Demandes canadiennes mises à la disponibilité du public**  
**18 février 2001 - 24 février 2001**

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[21] **2,316,435**  
[13] A1

[51] **Int.Cl. 7H04L 12/24 7H04L 29/02**  
[25] EN  
[54] **MANAGING CALLS OVER A DATA NETWORK**  
[54] **GESTION D'APPELS SUR UN RESEAU DE DONNEES**  
[72] ABAYE, ALIREZA, US  
[72] LI, XUEWEN, US  
[72] LO, WING F., US  
[71] NORTEL NETWORKS CORPORATION, CA  
[22] 2000-08-18  
[43] 2001-02-20  
[30] US (09/370,984) 1999-08-20

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[21] **2,316,442**  
[13] A1

[51] **Int.Cl. 7H04L 9/32**  
[25] EN  
[54] **DIGITAL WATERMARKING TECHNIQUE**  
[54] **TECHNIQUE DE PRODUCTION DE FILIGRANE NUMERIQUE**  
[72] TANAKA, NOBUYUKI, JP  
[71] NEC CORPORATION, JP  
[22] 2000-08-18  
[43] 2001-02-20  
[30] JP (234250/1999) 1999-08-20

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[21] **2,316,452**  
[13] A1

[51] **Int.Cl. 7C08F 236/10**  
[25] EN  
[54] **METHOD FOR THE COPOLYMERIZATION OF CONJUGATED DIOLEFINS (DIENES) AND VINYL-AROMATIC MONOMERS WITH RAREEARTH CATALYSTS AND USE OF THE COPOLYMERS IN RUBBER MIXTURES FOR TIRE APPLICATIONS**  
[54] **METHODE DE COPOLYMERISATION DE DIOLEFINES CONJUGUEES (DIENES) ET DE MONOMERES AROMATIQUES VINyliQUES, A L'AIDE DE CATALYSEURS DU TYPE TERRES RARES, ET UTILISATION DES COPOLYMERES POUR PRODUIRE DES MELANGES DE CAOUTCHOUC POUVANT ETRE UTILISES DANS LES PNEUS**  
[72] ENGEHAUSEN, RUDIGER, DE  
[72] GIEBELER, ELLEN, DE  
[72] WINDISCH, HEIKE, DE  
[72] SCHERTL, PETER, DE  
[72] TRIMBACH, JURGEN, DE  
[71] BAYER AKTIENGESELLSCHAFT, DE  
[22] 2000-08-18  
[43] 2001-02-23  
[30] DE (19939842.9) 1999-08-23

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[21] **2,316,455**  
[13] A1

[51] **Int.Cl. 7B28B 1/08**  
[25] EN  
[54] **VIBRATOR DRIVE**  
[54] **COMMANDE VIBRANTE**  
[72] BRAUNGARDT, RUDOLF, DE  
[72] SCHMUCKER, ERWIN, DE  
[71] KOBRA FORMEN-UND ANLAGENBAU GMBH, DE  
[22] 2000-08-18  
[43] 2001-02-24  
[30] DE (199 40 119.5) 1999-08-24

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[21] **2,316,456**  
[13] A1

[51] **Int.Cl. 7G09B 23/26**  
[25] EN  
[54] **SELF-CONTAINED REPRODUCIBLE CRYSTAL GROWING EXPERIMENT**  
[54] **EXPERIENCE RENOUVELABLE COMPLETE DE PRODUCTION DE CRISTAUX**  
[72] TEIGE, HEINZ J., BS  
[71] TEIGE, HEINZ J., BS  
[22] 2000-08-18  
[43] 2001-02-18  
[30] CA (2,280,477) 1999-08-18

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[21] **2,316,458**  
[13] A1

[51] **Int.Cl. 7G06F 17/60 7G06F 17/30**  
[25] EN  
[54] **DIMENSIONAL DINING RESTAURANT MANAGEMENT SYSTEM**  
[54] **SYSTEME DE GESTION DE RESTAURANT A SERVICE PERSONNALISE**  
[72] HALVERSON, HELENA B., US  
[71] HALVERSON, HELENA B., US  
[22] 2000-08-18  
[43] 2001-02-20  
[30] US (09/378,027) 1999-08-20

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[21] **2,316,464**  
[13] A1

[51] **Int.Cl. 7A63F 13/12**  
[25] EN  
[54] **COMBINED GAME SYSTEM**  
[54] **SYSTEME DE JEU COMBINE**  
[72] IKEDA, AKIO, JP  
[72] TOMIZAWA, TOSHIKAZU, JP  
[71] NINTENDO CO., LTD., JP  
[22] 2000-08-15  
[43] 2001-02-20  
[30] JP (11-234238) 1999-08-20

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[21] **2,316,478**  
[13] A1

[51] **Int.Cl. 7B66B 11/04**  
[25] EN  
[54] **ELEVATOR INSTALLATION WITH A DRIVE UNIT LOCATED IN AN ELEVATOR HOISTWAY**  
[54] **INSTALLATION D'ASCENSEUR DOTE D'UN MECANISME D'ENTRAINEMENT SITUE DANS UNE GAINE D'ASCENSEUR**  
[72] RUTTEN, KLAUS, DE  
[71] INVENTIO AG, CH  
[22] 2000-08-18  
[43] 2001-02-19  
[30] EP (99 810745.2) 1999-08-19

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[21] **2,316,488**  
[13] A1

[51] **Int.Cl. 7H01H 71/02**  
[25] EN  
[54] **CIRCUIT INTERRUPTER WITH NON-SYMMETRICAL TERMINAL COLLAR**  
[54] **COUPE-CIRCUIT MUNI D'UN COLLIER DE BORNE DISSYMETRIQUE**  
[72] SUMPAN, WAYNE C., US  
[72] MUELLER, ROBERT W., US  
[72] WHITAKER, THOMAS A., US  
[71] EATON CORPORATION, US  
[22] 2000-08-17  
[43] 2001-02-18  
[30] US (09/377,018) 1999-08-18

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[21] **2,316,490**  
[13] A1

[51] **Int.Cl. 7F15B 13/06 7B60P 1/54**  
[25] EN  
[54] **A SUPERELEVATION CORRECTION DEVICE FOR A PLATFORM WITH TWO AXLES**  
[54] **DISPOSITIF DE CORRECTION DE SURHAUSSEMENT POUR PLATE-FORME A QUATRE ROUES**  
[72] FAYAT, JEAN-CLAUDE, FR  
[71] SAMBRON, FR  
[22] 2000-08-18  
[43] 2001-02-18  
[30] FR (99 10608) 1999-08-18

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[21] **2,316,493**  
[13] A1

[51] **Int.Cl. 7G07D 5/00 7G07F 1/04**  
[25] EN  
[54] **IMPROVED COIN SELECTOR**  
[54] **SELECTEUR DE PIECES DE MONNAIE AMELIORE**  
[72] GUINDULAIN VIDONDO, FELIX, ES  
[71] JOFEMAR, S.A., ES  
[22] 2000-08-17  
[43] 2001-02-18  
[30] ES (P 9901904) 1999-08-18

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[21] **2,316,494**  
[13] A1

[51] **Int.Cl. 7B60P 3/40 7B60P 1/48**  
[25] EN  
[54] **MOBILE WORKING APPARATUS**  
[54] **DISPOSITIF DE TRAVAIL MOBILE**  
[72] SCHEID, WINFRIED, DE  
[72] HEINZ, NIKODEMUS, DE  
[71] DELMAG MASCHINENFABRIK UTM (UNIVERSAL TIEFBAU MASCHINEN) GMBH & CO. KG, DE  
[22] 2000-08-15  
[43] 2001-02-18  
[30] DE (199 38 578.5) 1999-08-18

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[21] **2,316,498**  
[13] A1

[51] **Int.Cl. 7H04L 9/32 7G06K 9/00**  
[25] EN  
[54] **ENCRYPTING COMMUNICATION SYSTEM AND ENCRYPTING COMMUNICATION METHOD**  
[54] **SYSTEME ET METHODE DE COMMUNICATION AVEC CHIFFREMENT**  
[72] HIRATSUKA, SEICHI, JP  
[71] NEC CORPORATION, JP  
[22] 2000-08-17  
[43] 2001-02-18  
[30] JP (11-232010) 1999-08-18

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[21] **2,316,503**  
[13] A1

[51] **Int.Cl. 7D06M 16/00**  
[25] EN  
[54] **FABRIC SOFTENER COMPOSITION**  
[54] **AGENT ADOUCISSANT**  
[72] DERRER, SAMUEL, CH  
[72] BLONDEAU, PHILIPPE, FR  
[72] GAUTSCHI, MARKUS, CH  
[71] GIVAUDAN ROURE (INTERNATIONAL) SA, CH  
[22] 2000-08-17  
[43] 2001-02-18  
[30] EP (99810739.5) 1999-08-18

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[21] **2,316,514**  
[13] A1

[51] **Int.Cl. 7H04B 15/00**  
[25] EN  
[54] **CROSSTALK ELIMINATION METHOD AND SYSTEM**  
[54] **SYSTEME ET METHODE DE SUPPRESSION DE LA DIAPHONIE**  
[72] FUJIMURA, MASAYA, JP  
[71] NEC CORPORATION, JP  
[22] 2000-08-22  
[43] 2001-02-23  
[30] JP (235028/1999) 1999-08-23

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[21] **2,316,517**  
[13] A1

[51] **Int.Cl. 7G07B 15/00 7G07F 19/00**  
[25] EN  
[54] **ELECTRONIC TOLL COLLECTION SYSTEM**  
[54] **SYSTEME DE PERCEPTION ELECTRONIQUE DU PEAGE**  
[72] FUYAMA, SEIJI, JP  
[71] MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD., JP  
[22] 2000-08-23  
[43] 2001-02-23  
[30] JP (11-235821) 1999-08-23  
[30] JP (2000-036672) 2000-02-15

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[21] **2,316,522**  
[13] A1

[51] **Int.Cl. 7A47C 7/68 7A47C 7/54**  
[25] EN  
[54] **MOUSE ARM FOREARM SUPPORT ASSEMBLY**  
[54] **SUPPORT D'AVANT-BRAS ET DE SOURIS**  
[72] KOLENCHUK, MARK, CA  
[71] KOLENCHUK, MARK, CA  
[22] 2000-08-21  
[43] 2001-02-20  
[30] US (09/378,908) 1999-08-20

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[21] **2,316,527**  
[13] A1

[51] **Int.Cl. 7A47J 37/06 7A47J 37/08**  
[25] EN  
[54] **IMPROVEMENTS IN TOASTERS**  
[54] **GRILLE-PAIN AMELIORE**  
[72] MCCLEAN, JOHN WILLIAM, AU  
[71] BREVILLE PTY LTD., AU  
[22] 2000-08-21  
[43] 2001-02-24  
[30] AU (PQ2401/99) 1999-08-24  
[30] AU (PQ5762/00) 2000-02-22  
[30] AU (PQ6105/00) 2000-03-08

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[21] **2,316,528**  
[13] A1

[51] **Int.Cl. 7C08G 18/67 7C09D 175/16 7C09D 5/44 7C09D 5/46**  
[25] EN  
[54] **PULVERENT BINDERS FOR POWDER COATING COMPOSITIONS CONTAINING OLIGO- AND POLYURETHANES HAVING (METH) ACRYLOYL GROUPS**  
[54] **LIANTS PULVERULENTS POUR COMPOSITIONS DE REVETEMENTS EN POUDRE CONTENANT DES OLIGO- ET POLYURETHANES AYANT DES GROUPES (METH) ACRYLOYLE**  
[72] FISCHER, WOLFGANG, DE  
[72] ZWIENER, CHRISTIAN, DE  
[72] THOMETZEK, PETER, DE  
[72] WEIKARD, JAN, DE  
[71] BAYER AKTIENGESELLSCHAFT, DE  
[22] 2000-08-21  
[43] 2001-02-23  
[30] DE (19939843.7) 1999-08-23

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[21] **2,316,532**  
[13] A1

[51] **Int.Cl. 7H05K 13/04 7H05K 3/36**  
[25] EN  
[54] **BARE IC CHIP FOR MULTICHIP MODULE, MULTICHIP MODULE, ELECTRONIC EQUIPMENT AND METHOD FOR PRODUCING MULTICHIP MODULE**  
[54] **PUCE DE CI NUE POUR MODULE MULTIPUCES, MODULE MULTIPUCES, METHODE ET MATERIEL ELECTRONIQUE DE FABRICATION DE MODULES MULTIPUCES**  
[72] SASAHARA, KAZUHIKO, JP  
[72] MIKURA, TAKESHI, JP  
[71] KABUSHIKI KAISHA TOSHIBA, JP  
[22] 2000-08-23  
[43] 2001-02-24  
[30] JP (237078/1999) 1999-08-24

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[21] **2,316,549**  
[13] A1

[51] **Int.Cl. 7G06F 13/00 7H04L 12/24 7G06F 15/76**  
[25] EN  
[54] **PROCESSING BY USE OF SYNCHRONIZED TUPLE SPACES AND ASSERTIONS**  
[54] **TRAITEMENT AU MOYEN D'ASSERTIONS ET D'ESPACES DE TUPLES SYNCHRONISES**  
[72] MANKOVSKII, SERGEUI, CA  
[72] GRAY, THOMAS A., CA  
[71] MITEL CORPORATION, CA  
[22] 2000-08-15  
[43] 2001-02-24  
[30] GB (9920051.1) 1999-08-24

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[21] **2,316,555**  
[13] A1

[51] **Int.Cl. 7E01B 9/68**  
[25] EN  
[54] **DEVICE FOR ABSORBING VIBRATION OF RAIL**  
[54] **DISPOSITIF D'ABSORPTION DES VIBRATIONS DES RAILS**  
[72] CHOI, TAE-WOONG, KR  
[71] CHOI, TAE-WOONG, KR  
[22] 2000-08-21  
[43] 2001-02-23  
[30] KR (1999-17552) 1999-08-23  
[30] KR (1999-50491) 1999-11-13  
[30] KR (2000-18529) 2000-04-08

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[21] **2,316,558**  
[13] A1

[51] **Int.Cl. 7H04M 11/04**  
[25] EN  
[54] **APPARATUS AND METHOD FOR LOCATING A STATION INITIATING TRANSMISSION OF AN EMERGENCY MESSAGE IN A NETWORK HAVING MULTIPLE TRANSMISSION SOURCES**  
[54] **APPAREIL ET METHODE DE REPERAGE D'UNE STATION ETANT A L'ORIGINE DE LA TRANSMISSION D'UN MESSAGE D'URGENCE DANS UN RESEAU COMPRENANT MULTIPLES SOURCES DE TRANSMISSION**  
[72] MOODY, MARTIN D., US  
[71] MOODY, MARTIN D., US  
[22] 2000-08-15  
[43] 2001-02-18  
[30] US (09/376,876) 1999-08-18

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[21] **2,316,562**  
[13] A1

[51] **Int.Cl. 7B61L 29/04**  
[25] EN  
[54] **GATE GARD**  
[54] **GARDE-BARRIERE**  
[72] PEASE, RONALD, US  
[71] WESTERN-CULLEN-HAYES, INC., US  
[22] 2000-08-21  
[43] 2001-02-19  
[30] US (60/149,841) 1999-08-19

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[21] **2,316,568**  
[13] A1

[51] **Int.Cl. 7A61M 25/00**  
[25] EN  
[54] **INTRACARDIAC CELL DELIVERY AND CELL TRANSPLANTATION**  
[54] **TRANSPORT ET TRANSPLANTATION DE CELLULES DANS LE COEUR**  
[72] YARON, URI, IL  
[72] MATCOVITCH, AVRAHAM, IL  
[72] BEN-HAIM, SHLOMO, IL  
[72] SCHWARTZ, YITZHAK, IL  
[72] WEINFELD, ZE'EV, IL  
[71] BIOSENSE, INC., US  
[22] 2000-08-22  
[43] 2001-02-24  
[30] US (09/379,540) 1999-08-24

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[21] **2,316,573**  
 [13] A1

[51] **Int.Cl. 7E05D 3/00**  
 [25] EN  
 [54] **FOLDING HINGE**  
 [54] **ARTICULATION PIVOTANTE**  
 [72] SCHWARZ, HELMUT, DE  
 [71] SCHWARZ VERBINDUNGS-  
 SYSTEME GMBH, DE  
 [22] 2000-08-22  
 [43] 2001-02-24  
 [30] DE (299 14 746.0) 1999-08-24

[21] **2,316,574**  
 [13] A1

[51] **Int.Cl. 7A63B 21/00**  
 [25] EN  
 [54] **SQUAT EXERCISING HARNESS**  
**HOOK**  
 [54] **BAUDRIER A CROCHETS POUR**  
**EXERCICES D'ACCROUISSEMENT**  
 [72] MATTOX, ERNEST M., US  
 [71] MATTOX, ERNEST M., US  
 [22] 2000-08-22  
 [43] 2001-02-24  
 [30] US (60/150,617) 1999-08-24

[21] **2,316,576**  
 [13] A1

[51] **Int.Cl. 7F01D 5/08**  
 [25] EN  
 [54] **A COOLING AIR SUPPLY SYSTEM**  
**FOR A ROTOR**  
 [54] **SYSTEME D'ALIMENTATION EN**  
**AIR DE REFROIDISSEMENT D'UN**  
**ROTOR**  
 [72] ICHIRYU, TAKU, JP  
 [71] MITSUBISHI HEAVY INDUSTRIES,  
 LTD., JP  
 [22] 2000-08-22  
 [43] 2001-02-23  
 [30] JP (11-235350) 1999-08-23

[21] **2,316,584**  
 [13] A1

[51] **Int.Cl. 7B62D 35/00**  
 [25] EN  
 [54] **AIR DRAG REDUCING**  
**APPARATUS**  
 [54] **DISPOSITIF DE REDUCTION DE**  
**LA TRAINEE AERODYNAMIQUE**  
 [72] BOIVIN, MATHIEU, CA  
 [72] ROBERGE, KARIC, CA  
 [71] MAKI INNOVATION  
 TECHNOLOGIQUE INC., CA  
 [22] 2000-08-23  
 [43] 2001-02-24  
 [30] CA (2,281,064) 1999-08-24

[21] **2,316,592**  
 [13] A1

[51] **Int.Cl. 7D04H 1/46**  
 [25] EN  
 [54] **SYSTEM AND PROCESS FOR THE**  
**MANUFACTURE OF A COMPOSITE**  
**GEOTEXTILE**  
 [54] **SYSTEME ET PROCEDE DE**  
**FABRICATION D'UN GEOTEXTILE**  
**COMPOSITE**  
 [72] MARCOTTE, MICHEL, CA  
 [72] BLOND, ERIC, CA  
 [72] MLYNAREK, JACEK, CA  
 [72] VERMEERSCH, OLIVIER, CA  
 [72] TURCOTTE, JULIEN, CA  
 [71] SAGEOS S.E.N.C., CA  
 [22] 2000-08-23  
 [43] 2001-02-23  
 [30] US (60/149,919) 1999-08-23

[21] **2,316,597**  
 [13] A1

[51] **Int.Cl. 7H01Q 1/32 7H01Q 1/00**  
 [25] EN  
 [54] **GLASS ANTENNA DEVICE**  
 [54] **ANTENNE A MONTAGE SUR**  
**VITRE**  
 [72] KAKIZAWA, HITOSHI, JP  
 [72] DOI, RYOKICHI, JP  
 [71] NIPPON SHEET GLASS CO., LTD., JP  
 [22] 2000-08-22  
 [43] 2001-02-23  
 [30] JP (11-235604) 1999-08-23

[21] **2,316,616**  
 [13] A1

[51] **Int.Cl. 7E21B 17/02**  
 [25] EN  
 [54] **METHOD FOR MANUFACTURING**  
**JOINT OF CARBON STEEL PIPES**  
**SUITABLE FOR EXPANSION AND**  
**EXPANDING METHOD**  
 [54] **METHODE DE FABRICATION DE**  
**JOINTS DE DILATION POUR TUYAUX**  
**EN ACIER ORDINAIRE, ET METHODE**  
**DE DILATATION**  
 [72] KITOU, KAZUSHIGE, JP  
 [72] HORIO, HIROTSUGU, JP  
 [72] YAMADA, RYUZO, JP  
 [72] INAGAKI, SHIGEYUKI, JP  
 [72] SHIMIZU, TAKAO, JP  
 [71] DAIDO TOKUSHUKO KABUSHIKI  
 KAISHA, JP  
 [22] 2000-08-22  
 [43] 2001-02-23  
 [30] JP (11-272888) 1999-08-23

[21] **2,316,622**  
 [13] A1

[51] **Int.Cl. 7A23L 1/32**  
 [25] EN  
 [54] **ENHANCED PRECOOKED EGG**  
**PRODUCT AND PROCESS FOR**  
**FORMULATION OF PRECOOKED EGG**  
**PRODUCTS**  
 [54] **PRODUIT PRECUIT AMELIORE A**  
**BASE D'OEUF ET PROCEDE POUR**  
**OBTENIR DES PRODUITS PRECUIITS A**  
**BASE D'OEUF**  
 [72] KNIPPER, ALOYSIUS J., US  
 [72] BEAM, LAUREN S., US  
 [71] MICHAEL FOODS, INC., US  
 [22] 2000-08-24  
 [43] 2001-02-24  
 [30] US (60/150,427) 1999-08-24

[21] **2,316,633**  
 [13] A1

[51] **Int.Cl. 7H01R 12/14 7H01Q 23/00**  
**7H01Q 1/22**  
 [25] EN  
 [54] **ANTENNA ATTACHMENT**  
**STRUCTURE OF A CASE**  
 [54] **STRUCTURE DE FIXATION**  
**D'ANTENNE POUR MALLETTTE**  
 [72] MINOURA, YASUHIRO, JP  
 [72] ISHIZUKA, SHINICHI, JP  
 [71] YOKOWO CO., LTD., JP  
 [22] 2000-08-22  
 [43] 2001-02-24  
 [30] JP (1999-236285) 1999-08-24

[21] **2,316,666**  
 [13] A1

[51] **Int.Cl. 7C07C 15/073 7C07C 15/04**  
**7C07C 6/12 7C07C 2/66**  
 [25] EN  
 [54] **MULTI-PHASE ALKYLATION-**  
**TRANSALKYLATION PROCESS**  
 [54] **PROCESSUS POLYPHASIQUE**  
**D'ALKYLATION-**  
**TRANSALKYLATION**  
 [72] MERRILL, JAMES T., US  
 [72] BUTLER, JAMES R., US  
 [71] FINA TECHNOLOGY, INC., US  
 [22] 2000-08-23  
 [43] 2001-02-23  
 [30] US (09/378,819) 1999-08-23

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[21] **2,316,677**  
[13] A1

[51] **Int.Cl. 7A01K 63/04**  
[25] FR  
[54] **PROCEDE D'AMELIORATION DES CONDITIONS D'ELEVAGE DE POISSONS FONCTIONNANT EN EAU OZONEE**  
[54] **METHOD FOR IMPROVING OZONIZED WATER PISCICULTURE**  
[72] RABILLIER, JEAN-MARC, FR  
[72] GRIMBERG, AURELIE, FR  
[71] L' AIR LIQUIDE, SOCIETE ANONYME POUR L'ETUDE ET L'EXPLOITATION DES PROCED, FR  
[22] 2000-08-15  
[43] 2001-02-18  
[30] FR (99 10603) 1999-08-18

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[21] **2,316,684**  
[13] A1

[51] **Int.Cl. 7B61D 17/08**  
[25] EN  
[54] **SIDE SILL FOR LOW LEVEL FLAT RAIL CAR**  
[54] **BRANCARD POUR WAGON PORTE-RAILS PLAT ET BAS**  
[72] SAYLOR, MARK L., US  
[71] JOHNSTOWN AMERICA CORPORATION, US  
[22] 2000-08-23  
[43] 2001-02-23  
[30] US (60/150,369) 1999-08-23

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[21] **2,316,688**  
[13] A1

[51] **Int.Cl. 7B65H 27/00 7B65H 23/26**  
[25] EN  
[54] **METHOD AND APPARATUS FOR IMPROVING STABILITY OF MOVING WEBS**  
[54] **METHODE ET APPAREIL POUR AMELIORER LA STABILITE DE VOILES EN MOUVEMENT**  
[72] MCGARY, STEPHEN PERCIVAL JOHN, CA  
[72] BAUM, SCOTT ALLEN, US  
[72] GUARNOTTA, ROBERT PAUL, US  
[72] URQUHART, RICHARD MARTIN, US  
[72] BEUTHER, PAUL DOUGLAS, US  
[71] KIMBERLY-CLARK WORLDWIDE, INC., US  
[22] 2000-08-23  
[43] 2001-02-24  
[30] US (60/150,442) 1999-08-24  
[30] US (09/615,150) 2000-07-13

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[21] **2,316,705**  
[13] A1

[51] **Int.Cl. 7A01B 43/00**  
[25] EN  
[54] **SOIL PREPARATION IMPLEMENT**  
[54] **OUTIL POUR LA PREPARATION DU SOL**  
[72] VOUGHT, MICHAEL L., US  
[71] CLARK EQUIPMENT COMPANY, US  
[22] 2000-08-23  
[43] 2001-02-24  
[30] US (09/379,539) 1999-08-24

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[21] **2,316,707**  
[13] A1

[51] **Int.Cl. 7A61B 19/00**  
[25] EN  
[54] **LUNG REDUCTION APPARATUS AND METHOD**  
[54] **APPAREIL ET METHODE DE REDUCTION D'UN POUMON**  
[72] JAEGER, WILFRED E., US  
[72] LIN, RICHARD Y., US  
[72] ALFERNESS, CLIFTON A., US  
[71] SPIRATION, INC., US  
[22] 2000-08-23  
[43] 2001-02-24  
[30] US (09/379,973) 1999-08-24

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[21] **2,316,713**  
[13] A1

[51] **Int.Cl. 7A63F 9/00 7A63F 9/18**  
[25] EN  
[54] **WORD GAME**  
[54] **JEU DE VOCABULAIRE**  
[72] CHERRY, ERIC, US  
[71] HORSE SENSE CORPORATION, US  
[22] 2000-08-23  
[43] 2001-02-24  
[30] US (09/382,073) 1999-08-24

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[21] **2,316,746**  
[13] A1

[51] **Int.Cl. 7G01R 31/28**  
[25] EN  
[54] **APPARATUS AND METHOD FOR DETECTING DEFECTS IN A MULTI-CHANNEL SCAN DRIVER**  
[54] **APPAREIL ET METHODE DE DETECTION DES DEFAUTS DANS UN MODULE DE BALAYAGE MULTICANAL**  
[72] BIELSKI, SCOTT A., US  
[72] SKRENES, LAWRENCE RICHARD, US  
[72] HAQUE, YUSUF A., US  
[71] GENERAL ELECTRIC COMPANY, US  
[22] 2000-08-17  
[43] 2001-02-19  
[30] US (09/377,515) 1999-08-19

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[21] **2,325,756**  
[13] A1

[51] **Int.Cl. 7F17D 3/01**  
[25] EN  
[54] **MULTI-STEP GAS SAVER**  
[54] **RECUPERATEUR DE GAZ MULTIETAGE**  
[72] MCGUIRE, DANIEL J., CA  
[71] MCGUIRE, DANIEL J., CA  
[22] 2000-12-13  
[43] 2001-02-20



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[21] **2,323,640**  
[13] A1  
[51] Int.Cl. 6C12N 15/12 6A61K 38/17  
6C07K 16/18 6C07K 14/47 6G01N 33/68  
6C12Q 1/68  
[25] EN  
[54] HUMAN CALCIUM-BINDING  
PROTEINS  
[54] PROTEINES DE FIXATION DU  
CALCIUM HUMAINES  
[72] PATTERSON, CHANDRA, US  
[72] HILLMAN, JENNIFER L., US  
[72] BANDMAN, OLGA, US  
[72] LAL, PREETI, US  
[72] GUEGLER, KARL J., US  
[72] CORLEY, NEIL C., US  
[71] INCYTE PHARMACEUTICALS, INC.,  
US  
[85] 2000-09-25  
[86] 1999-03-15 (PCT/US99/05555)  
[87] 1999-09-30 (WO99/49038)  
[30] US (09/048,889) 1998-03-26

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[21] **2,324,866**  
[13] A1  
[51] Int.Cl. 6C12Q 1/68  
[25] EN  
[54] BIALLELIC MARKERS FOR USE  
IN CONSTRUCTING A HIGH DENSITY  
DISEQUILIBRIUM MAP OF THE  
HUMAN GENOME  
[54] MARQUEURS BIALLELES  
CONVENANT A LA CONSTITUTION  
D'UNE CARTE HAUTE DENSITE DES  
DESEQUILIBRES DU GENOME  
HUMAIN  
[72] COHEN, DANIEL, FR  
[72] BLUMENFELD, MARTA, FR  
[72] CHUMAKOV, ILYA, FR  
[71] GENSET, FR  
[85] 2000-10-04  
[86] 1999-04-21 (PCT/IB99/00822)  
[87] 1999-10-28 (WO99/54500)  
[30] US (60/082,614) 1998-04-21  
[30] US (60/109,732) 1998-11-23

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[21] **2,326,000**  
[13] A1  
[51] Int.Cl. 6C12P 21/00 6C12N 15/12  
6C07K 14/47  
[25] EN  
[54] GPI-122, A NOVEL  
GLYCOPHOSPHATIDYLINOSITOL-  
ANCHORED PROTEIN  
[54] GPI-122, NOUVELLE PROTEINE  
ANCREE AU  
GLYCOPHOSPHATIDYLINOTISOL  
[72] WOOD, NANCY L., US  
[72] LOHMAR, PATRICIA D., US  
[72] BOWMAN, MICHAEL R., US  
[71] GENETICS INSTITUTE, INC., US  
[85] 2000-09-25  
[86] 1999-03-26 (PCT/US99/06459)  
[87] 1999-10-07 (WO99/50435)  
[30] US (09/049,652) 1998-03-27

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[21] **2,326,001**  
[13] A1  
[51] Int.Cl. 6C12N 15/12 6A61K 38/17  
6C07K 14/435 6G01N 33/50  
[25] EN  
[54] FIZZ PROTEINS  
[54] PROTEINES FIZZ  
[72] HEBERT, CAROLINE, US  
[72] GURNEY, AUSTIN L., US  
[72] KABAKOFF, RHONA, US  
[72] TUMAS, DANIEL B., US  
[72] HENZEL, WILLIAM J., US  
[72] SHELTON, DAVID L., US  
[71] GENENTECH, INC., US  
[85] 2000-10-20  
[86] 1999-04-20 (PCT/US99/08615)  
[87] 1999-11-04 (WO99/55868)  
[30] US (60/082,999) 1998-04-24  
[30] US (60/085,149) 1998-05-12  
[30] US (60/100,263) 1998-09-14

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[21] **2,326,002**  
[13] A1  
[51] Int.Cl. 6A61K 39/00 6A61K 49/00  
6A61K 39/118 6G01N 33/571  
[25] EN  
[54] CHLAMYDIA PROTEINS AND  
THEIR USES  
[54] PROTEINES DE CHLAMYDIA ET  
LEURS UTILISATIONS  
[72] ROCKEY, DANIEL D., US  
[72] BANNANTINE, JOHN P., US  
[71] THE STATE OF OREGON ACTING  
BY AND THROUGH THE STATE BOARD  
OF HIGHER EDUC, US  
[85] 2000-10-19  
[86] 1999-04-20 (PCT/US99/08744)  
[87] 1999-10-28 (WO99/53948)  
[30] US (60/082,438) 1998-04-20  
[30] US (60/082,588) 1998-04-21  
[30] US (60/086,450) 1998-05-22

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[21] **2,328,496**  
[13] A1  
[51] Int.Cl. 6C12N 15/19 6C12Q 1/00  
6C12N 5/10 6A61K 38/19 6C12N 1/19  
6C12N 1/21 6C07K 16/24 6C07K 14/52  
6C12N 15/62 6C12Q 1/68  
[25] EN  
[54] IL-17 HOMOLOGOUS  
POLYPEPTIDES AND THERAPEUTIC  
USES THEREOF  
[54] POLYPEPTIDES HOMOLOGUES  
DE IL-17 ET UTILISATIONS  
THERAPEUTIQUES DE CEUX-CI  
[72] CHEN, JIAN, US  
[72] LI, HANZHONG, US  
[72] GODDARD, AUDREY, US  
[72] WOOD, WILLIAM I., US  
[72] GURNEY, AUSTIN L., US  
[72] FILVAROFF, ELLEN, US  
[71] GENENTECH, INC., US  
[85] 2000-11-15  
[86] 1999-05-14 (PCT/US99/10733)  
[87] 1999-11-25 (WO99/60127)  
[30] US (60/085,579) 1998-05-15  
[30] US (60/113,621) 1998-12-23

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[21] **2,328,499**  
[13] A1  
[51] **Int.Cl. 7C12N 15/12 7A01K 67/027 7C12N 5/10 7C07K 16/18 7C07K 14/47 7C12Q 1/68**  
[25] EN  
[54] **A NUCLEIC ACID ENCODING A RETINOBLASTOMA BINDING PROTEIN (RBP-7) AND POLYMORPHIC MARKERS ASSOCIATED WITH SAID NUCLEIC ACID**  
[54] **ACIDE NUCLEIQUE CODANT POUR UNE PROTEINE DE LIAISON DU RETINOBLASTOME (RBP-7) ET MARQUEURS POLYMORPHES ASSOCIES A CET ACIDE NUCLEIQUE**  
[72] BOUGUELERET, LYDIE, FR  
[71] GENSET, FR  
[85] 2000-11-20  
[86] 1999-06-30 (PCT/IB99/01242)  
[87] 2000-01-06 (WO00/00607)  
[30] US (60/091,315) 1998-06-30  
[30] US (60/111,909) 1998-12-10

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[13] A1  
[51] **Int.Cl. 6C12N 15/12 6G11B 23/00 6G06F 19/00 6C07K 7/00 6A01K 67/027 6C07K 16/30 6C07K 14/435 6C12Q 1/68**  
[25] EN  
[54] **POLYMORPHIC MARKERS OF PROSTATE CARCINOMA TUMOR ANTIGEN-1 (PCTA-1)**  
[54] **MARQUEURS POLYMORPHES DE L'ANTIGENE-1 DE LA TUMEUR CANCEREUSE DE LA PROSTATE (PCTA-1)**  
[72] CHUMAKOV, ILYA, FR  
[72] BLUMENFELD, MARTA, FR  
[72] BOUGUELERET, LYDIE, FR  
[71] GENSET, FR  
[85] 2000-11-09  
[86] 1999-06-04 (PCT/IB99/01072)  
[87] 1999-12-16 (WO99/64590)  
[30] US (60/088,187) 1998-06-05  
[30] US (60/102,324) 1998-09-28

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[21] **2,328,501**  
[13] A1  
[51] **Int.Cl. 6A61K 39/385 6C07K 7/06 6C07K 7/08**  
[25] EN  
[54] **PREVENTION AND TREATMENT OF HYPERGASTRINEMIA**  
[54] **PREVENTION ET TRAITEMENT DE L'HYPERGASTRINEMIE**  
[72] GRIMES, STEPHEN, US  
[72] GEVAS, PHILIP C., US  
[72] KARR, STEPHEN, US  
[72] MICHAELI, DOV, US  
[72] WATSON, SUSAN, GB  
[71] APHTON CORPORATION, US  
[85] 2000-11-15  
[86] 1999-05-14 (PCT/US99/10751)  
[87] 1999-11-25 (WO99/59631)  
[30] US (60/085,714) 1998-05-15

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[21] **2,328,593**  
[13] A1  
[51] **Int.Cl. 6C12Q 1/68**  
[25] EN  
[54] **CHEMICALLY ASSEMBLED NANO-SCALE DEVICES**  
[54] **DISPOSITIFS A L'ECHELLE NANOMETRIQUE ASSEMBLES CHIMIQUEMENT**  
[72] CONNOLLY, DENNIS MICHAEL, US  
[71] INTEGRATED NANO-TECHNOLOGIES, LLC, US  
[85] 2000-11-17  
[86] 1999-05-20 (PCT/US99/11126)  
[87] 1999-11-25 (WO99/60165)  
[30] US (60/086,163) 1998-05-20  
[30] US (60/095,096) 1998-08-03

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[21] **2,328,596**  
[13] A1  
[51] **Int.Cl. 6C07H 21/02**  
[25] EN  
[54] **CYTOSINE DEAMINASE GENE**  
[54] **GENE DE CYTOSINE DEAMINASE**  
[72] SETHNA, PHIROZE B., US  
[72] DEV, INDERJIT KUMAR, US  
[71] GLAXO GROUP LIMITED, GB  
[85] 2000-11-16  
[86] 1999-05-19 (PCT/US99/10985)  
[87] 1999-11-25 (WO99/60008)  
[30] GB (9810752.7) 1998-05-19

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[21] **2,328,598**  
[13] A1  
[51] **Int.Cl. 6C12N 15/53 6C12N 9/04 6C12P 1/04 6C12N 1/21 6C12P 13/22**  
[25] EN  
[54] **MICROBIAL PREPARATION OF SUBSTANCES FROM AROMATIC METABOLISM/III**  
[54] **PREPARATION MICROBIENNE DE SUBSTANCES A PARTIR DE METABOLISME III AROMATIQUE**  
[72] KARUTZ, MARTIN, NL  
[72] SPRENGER, GEORG, DE  
[72] KRAEMER, MARCO, DE  
[72] SAHM, HERMANN, DE  
[71] HOLLAND SWEETENER COMPANY V.O.F., NL  
[71] DSM BIOTECH GMBH, DE  
[71] FORSCHUNGSZENTRUM JULICH GMBH, DE  
[85] 2000-10-20  
[86] 1999-04-22 (PCT/NL99/00232)  
[87] 1999-11-04 (WO99/55877)  
[30] DE (198 18 541.3) 1998-04-24

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[21] **2,328,599**  
[13] A1  
[51] **Int.Cl. 6C12Q 1/68 6C07H 21/02 6C07H 21/04**  
[25] EN  
[54] **MULTIMOLECULAR DEVICES, DRUG DELIVERY SYSTEMS AND SINGLE-MOLECULE SELECTION**  
[54] **DISPOSITIFS MULTIMOLECULAIRES, SYSTEMES D'ADMINISTRATION DE MEDICAMENTS ET SELECTION DE MOLECULE UNIQUE**  
[72] CUBICCIOTTI, ROGER S., US  
[71] MOLECULAR MACHINES, INC., US  
[85] 2000-11-16  
[86] 1999-05-20 (PCT/US99/11215)  
[87] 1999-11-25 (WO99/60169)  
[30] US (09/081,930) 1998-05-20

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[21] **2,328,601**  
[13] A1

[51] **Int.Cl. 6A61K 45/00 6A61K 38/02 6C12N 15/09 6C07K 16/18 6A61K 39/395 6A61K 31/70**  
[25] EN  
[54] **PREVENTIVES/REMEDIES FOR HEPATIC CIRRHOSIS**  
[54] **AGENTS PREVENTIFS/REMEDES CONTRE LA CIRRHOSE DU FOIE**  
[72] UENO, YOSHIYUKI, JP  
[71] MOCHIDA PHARMACEUTICAL CO., LTD., JP  
[85] 2000-11-14  
[86] 1999-05-13 (PCT/JP99/02477)  
[87] 1999-11-18 (WO99/58150)  
[30] JP (10/131771) 1998-05-14

[21] **2,328,604**  
[13] A1

[51] **Int.Cl. 6A61K 39/00 6A61K 48/00 6A01N 63/00**  
[25] EN  
[54] **COMPOSITIONS AND METHODS OF MODULATING AN IMMUNE RESPONSE TO AN ANTIGEN**  
[54] **COMPOSITIONS POUR LA MODULATION D'UNE REPOSE IMMUNITAIRE FACE A UN ANTIGENE ET PROCEDE CORRESPONDANT**  
[72] SEGAL, ANDREW, US  
[71] GENITRIX, LCC, US  
[85] 2000-11-10  
[86] 1999-05-26 (PCT/US99/11609)  
[87] 1999-12-02 (WO99/61051)  
[30] US (60/086,780) 1998-05-26  
[30] US (60/091,525) 1998-07-02

[21] **2,328,605**  
[13] A1

[51] **Int.Cl. 6C12N 15/15 6A61K 38/36 6A61K 38/55 6C07K 14/81**  
[25] EN  
[54] **PROTEIN Z-DEPENDENT PROTEASE INHIBITOR**  
[54] **INHIBITEUR DE PROTEASE DEPENDANT DE LA PROTEINE K**  
[72] BROZE, GEORGE J., JR., US  
[71] WASHINGTON UNIVERSITY, US  
[85] 2000-11-14  
[86] 1999-05-13 (PCT/US99/07040)  
[87] 1999-11-25 (WO99/60126)  
[30] US (60/086,571) 1998-05-19

[21] **2,328,606**  
[13] A1

[51] **Int.Cl. 6C12N 15/13 6C07K 16/28 6A61K 39/395 6C12N 15/62**  
[25] EN  
[54] **ANTIBODIES TO CD23, DERIVATIVES THEREOF, AND THEIR THERAPEUTIC USES**  
[54] **ANTICORPS DIRIGES CONTRE LA CD23, DERIVES DE CES DERNIERS ET UTILISATIONS THERAPEUTIQUES**  
[72] SHEARIN, JEAN, US  
[72] BONNEFOY, JEAN-YVES MARCEL PAUL, FR  
[72] CROWE, SCOTT JAMES, GB  
[72] ELLIS, JONATHAN HENRY, GB  
[72] RAPSON, NICHOLAS TIMOTHY, GB  
[71] GLAXO GROUP LIMITED, GB  
[85] 2000-11-08  
[86] 1999-05-07 (PCT/GB99/01434)  
[87] 1999-11-18 (WO99/58679)  
[30] GB (9809839.5) 1998-05-09

[21] **2,328,609**  
[13] A1

[51] **Int.Cl. 6G01N 21/64 6G01N 21/25 6C12Q 1/68**  
[25] EN  
[54] **INSTRUMENT FOR MONITORING POLYMERASE CHAIN REACTION OF DNA**  
[54] **INSTRUMENT SERVANT A SURVEILLER L'AMPLIFICATION EN CHAINE PAR POLYMERASE (PCR) D'ADN**  
[72] GAMBINI, MICHAEL R., US  
[72] ATWOOD, JOHN G., US  
[72] LAKATOS, EDWARD J., US  
[72] CERRONE, ANTHONY L., US  
[72] YOUNG, EUGENE F., US  
[71] PE CORPORATION (NY), US  
[85] 2000-11-10  
[86] 1999-05-17 (PCT/US99/11088)  
[87] 1999-11-25 (WO99/60381)  
[30] US (60/085,765) 1998-05-16  
[30] US (60/092,784) 1998-07-14

[21] **2,328,612**  
[13] A1

[51] **Int.Cl. 6C07K 14/47 6A61K 39/00 6C12N 5/06 6C07K 14/705**  
[25] EN  
[54] **USE OF ACTIVATED T CELLS, NERVOUS SYSTEM-SPECIFIC ANTIGENS FOR TREATING DISORDERS OF THE NERVOUS SYSTEM**  
[54] **LYMPHOCYTES T ACTIVES, ANTIGENES SPECIFIQUES DU SYSTEME NERVEUX ET LEUR UTILISATION**  
[72] MOALEM, GILA, IL  
[72] EISENBACH-SCHWARTZ, MICHAL, IL  
[72] MOSONEGO, ALON, IL  
[72] COHEN, IRUN R., IL  
[72] BESERMAN, PIERRE, IL  
[71] YEDA RESEARCH AND DEVELOPMENT CO. LTD., IL  
[85] 2000-11-03  
[86] 1999-05-19 (PCT/US99/10953)  
[87] 1999-11-25 (WO99/60021)  
[30] IL (124550) 1998-05-19  
[30] US (PCT/US98/14715) 1998-07-21  
[30] US (09/218,277) 1998-12-22

[21] **2,328,981**  
[13] A1

[51] **Int.Cl. 6C12Q 1/68**  
[25] EN  
[54] **A NOVEL STR MARKER SYSTEM FOR DNA FINGERPRINTING**  
[54] **SYSTEME DE MARQUEUR STR POUR UN TEST D'IDENTIFICATION PAR CODE GENETIQUE**  
[72] MELANCON, SERGE BERNARD, CA  
[72] TANG, JIANQING, CA  
[71] PROCREA BIOSCIENCES INC., CA  
[85] 2000-11-22  
[86] 1999-05-25 (PCT/CA99/00478)  
[87] 1999-12-02 (WO99/61659)  
[30] US (09/084,120) 1998-05-26

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[21] **2,328,989**  
[13] A1  
[51] **Int.Cl. 6C12N 15/12 6C12P 21/00  
6C12N 5/10 6C07K 16/18 6A61K 39/395  
6C07K 14/47 6G01N 33/574 6C12N 15/63  
6C12Q 1/68**  
[25] EN  
[54] **SERPENTINE TRANSMEMBRANE  
ANTIGENS EXPRESSED IN HUMAN  
CANCERS AND USES THEREOF**  
[54] **NOUVEAUX ANTIGENES  
TRANSMEMBRANAIRES DU TYPE  
SERPENTIN EXPRIMES DANS DES  
CANCERS HUMAINS ET UTILISATION  
DE CES ANTIGENES**  
[72] SAFFRAN, DOUGLAS C., US  
[72] MITCHELL, STEPHEN CHAPPELL,  
US  
[72] HUBERT, RENE S., US  
[72] RAITANO, ARTHUR B., US  
[72] LEONG, KAHAN, US  
[72] AFAR, DANIEL E., US  
[71] UROGENESYS, INC., US  
[71] UROGENESYS, INC., US  
[85] 2000-11-30  
[86] 1999-06-01 (PCT/US99/12157)  
[87] 1999-12-09 (WO99/62941)  
[30] US (60/087,520) 1998-06-01  
[30] US (60/091,183) 1998-06-30

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[21] **2,329,150**  
[13] A1  
[51] **Int.Cl. 6A01H 5/00 6A01H 5/10  
6C12N 5/14 6C12N 15/29 6C12N 15/82**  
[25] EN  
[54] **TRANSGENIC PLANTS  
PRODUCING A PAP II PROTEIN**  
[54] **PLANTES TRANSGENIQUES  
PRODUISANT UNE PROTEINE PAP II**  
[72] WANG, PINGER, US  
[72] TUMER, NILGUN E., US  
[71] RUTGERS, THE STATE  
UNIVERSITY, US  
[85] 2000-11-22  
[86] 1999-05-21 (PCT/US99/11301)  
[87] 1999-12-02 (WO99/60843)  
[30] US (60/086,374) 1998-05-22

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[21] **2,329,152**  
[13] A1  
[51] **Int.Cl. 7C07K 7/06 7C07K 16/06  
7C07K 7/08 7C07K 16/28 7A61K 39/395**  
[25] EN  
[54] **PEPTIDE VACCINE FOR CANINE  
ALLERGY**  
[54] **VACCIN PEPTIDIQUE POUR  
ALLERGIE CANINE**  
[72] LAWTON, ROBERT, US  
[72] MERMER, BRION, US  
[72] KRAH, REGIS, US  
[72] FRANCOEUR, GREG, US  
[71] IDEXX LABORATORIES, INC., US  
[85] 2000-11-29  
[86] 2000-03-30 (PCT/US00/08523)  
[87] 2000-10-05 (WO00/58349)  
[30] US (09/281,761) 1999-03-30

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[21] **2,329,155**  
[13] A1  
[51] **Int.Cl. 6C12N 15/12 6C12N 15/11  
6A61K 38/17 6C07K 14/47**  
[25] EN  
[54] **INTERFERENCE WITH VIRAL  
IRES-MEDIATED TRANSLATION BY A  
SMALL YEAST RNA REVEALS  
CRITICAL RNA-PROTEIN  
INTERACTIONS**  
[54] **MISE EN EVIDENCE DES  
INTERACTIONS CRITIQUES ENTRE  
PROTEINES D'ARN PAR  
INTERFERENCE AVEC LA  
TRADUCTION VIRALE A MEDIATION  
D'IRES PAR L'ARN D'UNE PETITE  
LEVURE**  
[72] DAS, SAUMITRA, US  
[72] DASGUPTA, ASIM, US  
[71] THE REGENTS OF THE  
UNIVERSITY OF CALIFORNIA, US  
[85] 2000-11-21  
[86] 1999-05-21 (PCT/US99/11281)  
[87] 1999-12-02 (WO99/61613)  
[30] US (60/086,527) 1998-05-22

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[21] **2,329,156**  
[13] A1  
[51] **Int.Cl. 6C07C 13/00 6A01N 27/00  
6C12N 5/00 6C12N 9/00 6C12N 15/00**  
[25] EN  
[54] **GENES ENCODING EPSILON  
LYCOPENE CYCLASE AND METHOD  
FOR PRODUCING BICYCLIC EPSILON  
CAROTENE**  
[54] **GENES CODANT POUR LE  
LYCOPENE CYCLASE EPSILON ET  
PROCEDE DE PRODUCTION DE  
CAROTENE EPSILON BICYCLIQUE**  
[72] CUNNINGHAM, FRANCIS X., JR., US  
[71] THE UNIVERSITY OF MARYLAND,  
US  
[85] 2000-11-24  
[86] 1999-05-25 (PCT/US99/10461)  
[87] 1999-12-02 (WO99/61399)  
[30] US (09/084,222) 1998-05-26

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[21] **2,329,157**  
[13] A1  
[51] **Int.Cl. 6C12N 9/16 6A61K 38/00  
6C12N 15/00 6C07K 7/06 6C07K 14/47**  
[25] EN  
[54] **INHIBITION OF THE BINDING OF  
PROTEIN TYROSINE PHOSPHATASE  
PEST TO DOMAINS OF SIGNALLING  
PROTEINS**  
[54] **AGENTS INTERFERANT AVEC LA  
LIAISON DE TYROSINE-  
PHOSPHATASE PEST A DES  
DOMAINES DE PROTEINES DE  
SIGNALISATION**  
[72] COTE, JEAN-FRANCOIS, CA  
[72] TREMBLAY, MICHEL L., CA  
[72] ANGERS-LOUSTEAU,  
ALEXANDRE, CA  
[72] CHAREST, ALAIN, US  
[71] MCGILL UNIVERSITY, CA  
[85] 2000-11-20  
[86] 1999-05-21 (PCT/CA99/00461)  
[87] 1999-12-02 (WO99/61467)  
[30] CA (2,238,654) 1998-05-21  
[30] US (60/111,993) 1998-12-11

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[21] **2,329,159**  
[13] A1

[51] **Int.Cl. 6C12N 15/00 6C12N 15/85 6C12N 15/86**  
[25] EN  
[54] **COMPOSITIONS AND METHODS FOR THE SYNTHESIS OF FATTY ACIDS, THEIR DERIVATIVES AND DOWNSTREAM PRODUCTS**  
[54] **COMPOSITIONS ET METHODES POUR SYNTHETISER DES ACIDES GRAS, LEUR DERIVES, ET LEURS PRODUITS D'AVANT**  
[72] KOPCHICK, JOHN JOSEPH, US  
[72] KELDER, BRUCE, US  
[72] HUANG, YUNG-SHENG, US  
[72] MUKERJI, PRADIP, US  
[72] KIRCHNER, STEPHEN J., US  
[71] OHIO UNIVERSITY, US  
[85] 2000-11-28  
[86] 1999-05-28 (PCT/US99/12088)  
[87] 1999-12-02 (WO99/61602)  
[30] US (09/087,578) 1998-05-29

[21] **2,329,160**  
[13] A1

[51] **Int.Cl. 6A61K 31/045**  
[25] EN  
[54] **WOUND TREATMENT THROUGH INHIBITION OF ADENOSINE DIPHOSPHATE RIBOSYL TRANSFERASE**  
[54] **TRAITEMENT DES BLESSURES PAR INHIBITION D'ADENOSINE DIPHOSPHATE-RIBOSYL TRANSFERASE**  
[72] LEIBOVICH, SAMUEL J., US  
[71] UNIVERSITY OF MEDICINE & DENTISTRY OF NEW JERSEY, US  
[85] 2000-11-28  
[86] 1999-06-11 (PCT/US99/13264)  
[87] 1999-12-16 (WO99/63982)  
[30] US (60/088,924) 1998-06-11

[21] **2,329,223**  
[13] A1

[51] **Int.Cl. 6G01N 33/02**  
[25] EN  
[54] **METHOD FOR DETERMINING A GUSHING FACTOR FOR A BEVERAGE**  
[54] **PROCEDE POUR DETERMINER UN FACTEUR DE GICLAGE POUR UNE BOISSON**  
[72] PENTTILA, MERJA, FI  
[72] HAIKARA, AULI, FI  
[72] NAKARI-SETALA, TIINA, FI  
[72] KLEEMOLA, TUIJA, FI  
[71] OY PANIMOLABORATORIO-BRYGGERILABORATORIUM AB, FI  
[85] 2000-10-17  
[86] 1999-04-09 (PCT/FI99/00305)  
[87] 1999-10-28 (WO99/54725)  
[30] FI (980863) 1998-04-17

[21] **2,329,378**  
[13] A1

[51] **Int.Cl. 6G06F 17/60**  
[25] EN  
[54] **INDEX REBALANCING FOR A CAPITALIZATION WEIGHTED STOCK INDEX**  
[54] **REEQUILIBRAGE D'INDICES DE COURS PONDERES DE CAPITALISATION**  
[72] CANADA, PETER T., US  
[72] BLOOM, STEVEN M., US  
[72] GOUWS, FANIE, US  
[72] HOLMES, DOUGLAS T., US  
[71] THE NASDAQ STOCK MARKET, INC., US  
[85] 2000-10-19  
[86] 1999-04-21 (PCT/US99/08779)  
[87] 1999-10-28 (WO99/54838)  
[30] US (09/063,535) 1998-04-21

[21] **2,329,495**  
[13] A1

[51] **Int.Cl. 6A01N 37/18 6A61K 39/00 6C12P 21/04 6G01N 33/53**  
[25] EN  
[54] **AUTOANTIGENIC FRAGMENTS, METHODS AND ASSAYS**  
[54] **FRAGMENTS AUTO-ANTIGENES, METHODES ET DOSAGES**  
[72] NICHOLSON, DONALD, CA  
[72] CASCIOLA-ROSEN, LIVIA, US  
[72] THORNBERRY, NANCY, US  
[72] ROSEN, ANTONY, US  
[72] ANDRADE, FELIPE A., US  
[72] ROY, SOPHIE, CA  
[71] JOHNS HOPKINS UNIVERSITY, US  
[71] MERCK FROSST CANADA & CO., CA  
[71] MERCK & CO., INC., US  
[85] 2000-10-19  
[86] 1999-04-22 (PCT/US99/08774)  
[87] 1999-10-28 (WO99/53757)  
[30] US (60/082,643) 1998-04-22

[21] **2,329,683**  
[13] A1

[51] **Int.Cl. 6C12N 15/12 6C12P 21/02 6A61K 38/17 6C07K 16/18 6C07K 14/47 6G01N 33/53 6G01N 33/577 6C12Q 1/68**  
[25] EN  
[54] **IGA NEPHROPATHY-ASSOCIATED DNA**  
[54] **ADN ASSOCIE A UNE GLOMERULONEPHRITE A DEPOTS MESANGIAUX D'IGA**  
[72] TAKEI, MASAMI, JP  
[72] SAWADA, SHIGEMASA, JP  
[72] NAKAGAWA, SATOSHI, JP  
[72] NISHI, TATSUNARI, JP  
[72] KUGA, TETSURO, JP  
[72] SHIBATA, KENJI, JP  
[72] FURUYA, AKIKO, JP  
[72] ISHIWATA, TETSUYOSHI, JP  
[72] SAKURADA, MIKIKO, JP  
[72] KAWABATA, AYAKO, JP  
[71] KYOWA HAKKO KOGYO CO., LTD., JP  
[85] 2000-11-29  
[86] 1999-05-28 (PCT/JP99/02855)  
[87] 1999-12-09 (WO99/63085)  
[30] JP (10/152603) 1998-06-02

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[13] A1  
[51] **Int.Cl. 6C12N 15/29 6A01H 5/00 6A01N 65/00 6C07K 14/415 6G01N 33/53 6C12N 15/82**  
[25] EN  
[54] **CYCLIN-DEPENDENT KINASE INHIBITORS AS PLANT GROWTH REGULATORS**  
[54] **INHIBITEURS DE LA KINASE DEPENDANT DE LA CYCLINE, UTILISES COMME REGULATEUR DE CROISSANCE DES PLANTES**  
[72] WANG, HONG, CA  
[72] CROSBY, WILLIAM L., CA  
[72] FOWKE, LARRY C., CA  
[71] UNIVERSITY OF SASKATCHEWAN TECHNOLOGIES INC., CA  
[71] NATIONAL RESEARCH COUNCIL OF CANADA, CA  
[71] HER MAJESTY IN RIGHT OF CANADA AS REPRESENTED BY THE MINISTER OF AGRICUL, CA  
[85] 2000-12-06  
[86] 1999-06-08 (PCT/CA99/00532)  
[87] 1999-12-16 (WO99/64599)  
[30] CA (2,235,978) 1998-06-08  
[30] CA (2,256,121) 1998-12-31

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[13] A1  
[51] **Int.Cl. 6C12N 15/12 6A61K 38/17 6C07K 16/18 6C07K 14/47**  
[25] EN  
[54] **PROTEINS REGULATING GENE EXPRESSION**  
[54] **PROTEINES REGULANT L'EXPRESSION GENETIQUE**  
[72] HILLMAN, JENNIFER L., US  
[72] BANDMAN, OLGA, US  
[72] PATTERSON, CHANDRA, US  
[72] LU, DYUNG AINA M., US  
[72] GUEGLER, KARL J., US  
[72] LAL, PREETI, US  
[72] GORGONE, GINA A., US  
[72] YUE, HENRY, US  
[72] TANG, Y. TOM, US  
[72] CORLEY, NEIL C., US  
[72] BAUGHN, MARIAH R., US  
[71] INCYTE PHARMACEUTICALS, INC., US  
[85] 2000-12-11  
[86] 1999-06-11 (PCT/US99/13281)  
[87] 1999-12-16 (WO99/64596)  
[30] US (60/089,029) 1998-06-12  
[30] US (60/094,575) 1998-07-29  
[30] US (60/104,624) 1998-10-14

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[13] A1  
[51] **Int.Cl. 6G01N 33/68 6G01N 33/543 6G01N 33/569 6G01N 33/571 6G01N 33/576**  
[25] EN  
[54] **METHOD FOR DETECTING INFECTION-PHASE-SPECIFIC ANTIBODIES**  
[54] **METHODE DE DETECTION D'ANTICORPS SPECIFIQUES A DES PHASES D'INFECTION**  
[72] SOLETI, ANTONIO, IT  
[72] BONELLI, FABRIZIO, IT  
[72] BARBIERI, UGO, IT  
[72] CORNO, FEDERICO, IT  
[72] BARBERO, LUCA MARIA, IT  
[71] DIASORIN INTERNATIONAL INC., US  
[85] 2000-11-29  
[86] 1999-06-02 (PCT/EP99/03841)  
[87] 1999-12-09 (WO99/63349)  
[30] IT (TO98A000473) 1998-06-02

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[13] A1  
[51] **Int.Cl. 6C12N 15/12 6C12N 5/10 6A61K 38/17 6C07K 16/18 6C12N 1/21 6C07K 14/47 6C12Q 1/68**  
[25] EN  
[54] **CELL CYCLE REGULATION PROTEINS**  
[54] **PROTEINES DE REGULATION DU CYCLE CELLULAIRE**  
[72] TANG, Y. TOM, US  
[72] PATTERSON, CHANDRA, US  
[72] LAL, PREETI, US  
[72] BANDMAN, OLGA, US  
[72] CORLEY, NEIL C., US  
[72] GUEGLER, KARL J., US  
[72] BAUGHN, MARIAH R., US  
[71] INCYTE PHARMACEUTICALS, INC., US  
[85] 2000-12-05  
[86] 1999-06-08 (PCT/US99/12906)  
[87] 1999-12-16 (WO99/64593)  
[30] US (60/088,695) 1998-06-08

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[21] **2,329,689**  
[13] A1  
[51] **Int.Cl. 6A61K 38/16 6A61K 39/104 6C07K 14/21 6C12N 15/31**  
[25] EN  
[54] **COMPOSITION AND METHOD FOR TREATMENT OF PSEUDOMONAS INFECTION**  
[54] **COMPOSITION ET PROCEDE DE TRAITEMENT D'UNE INFECTION PAR PSEUDOMONAS**  
[72] HODGES, ROBERT S., CA  
[72] IRVIN, RANDALL T., CA  
[71] THE GOVERNORS OF THE UNIVERSITY OF ALBERTA, CA  
[85] 2000-12-08  
[86] 1999-06-11 (PCT/CA99/00554)  
[87] 1999-12-23 (WO99/65511)  
[30] US (60/089,155) 1998-06-12

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[13] A1  
[51] **Int.Cl. 6C12N 15/82 6A01H 5/00 6C12N 9/10 6C12N 1/21 6C12Q 1/25 6C12N 15/52**  
[25] EN  
[54] **METHODS TO SCREEN HERBICIDAL COMPOUNDS UTILIZING AIR SYNTHETASE FROM ARABIDOPSIS THALIANA**  
[54] **PROCEDES DE CRIBLAGE DE COMPOSES HERBICIDES UTILISANT AIR SYNTHETASE D'ARABIDOPSIS THALIANA**  
[72] WARD, ERIC RUSSELL, US  
[72] GUYER, CHARLES DAVID, US  
[72] POTTER, SHARON LEE, US  
[72] SUBRAMANIAN, VENKITESWARAN, US  
[72] WALTERS, ERIC, US  
[71] NOVARTIS AG, CH  
[85] 2000-12-07  
[86] 1999-06-22 (PCT/EP99/04309)  
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[13] A1

[51] **Int.Cl. 6D21H 23/52 6B05C 1/08 6D21H 23/70**  
[25] EN  
[54] **METHOD AND ARRANGEMENT FOR COATING A MOVING WEB**  
[54] **PROCEDE DE COUCHAGE D'UNE BANDE EN MOUVEMENT ET DISPOSITIF CORRESPONDANT**  
[72] NIKULA, ERJA, FI  
[72] TANI, MIKKO, FI  
[72] KINNUNEN, JORMA, FI  
[72] GRON, JOHAN, FI  
[71] VALMET CORPORATION, FI  
[85] 2000-10-20  
[86] 1998-04-24 (PCT/FI98/00362)  
[87] 1999-11-04 (WO99/55966)

[21] **2,329,752**  
[13] A1

[51] **Int.Cl. 7G06F 17/60 7A63F 13/00**  
[25] EN  
[54] **COMPUTER GAME FOR PRODUCING STICKERS FOR TOY VEHICLE PLAYSETS**  
[54] **JEU ELECTRONIQUE PERMETTANT DE METTRE AU POINT DES VIGNETTES AUTOCOLLANTES POUR VEHICULES JOUETS**  
[72] RIFKIN, ANDREW, US  
[71] MATTEL, INC., US  
[85] 2000-10-20  
[86] 1999-07-21 (PCT/US99/16532)  
[87] 2000-03-02 (WO00/11584)  
[30] US (09/136,436) 1998-08-18

[21] **2,329,753**  
[13] A1

[51] **Int.Cl. 7A63H 7/00**  
[25] EN  
[54] **FOUR-LEGGED WALKING TOY WITH IMPROVED LEG ACTION**  
[54] **JOUET MARCHANT A QUATRE PATTES A MOUVEMENT AMELIORE**  
[72] BRESLOW, RUBIN, US  
[72] NIKKHAH, ALI, US  
[71] MATTEL, INC., US  
[85] 2000-10-20  
[86] 1999-07-21 (PCT/US99/16527)  
[87] 2000-03-02 (WO00/10666)  
[30] US (09/137,069) 1998-08-20

[21] **2,329,769**  
[13] A1

[51] **Int.Cl. 6G06F 17/60 6H04M 15/00**  
[25] EN  
[54] **METHOD AND DEVICE IN A COMPUTER NETWORK**  
[54] **PROCEDE RELATIF A UN RESEAU INFORMATIQUE ET DISPOSITIF AFFERENT**  
[72] BOGESTAM, KENT, SE  
[71] EHPT SWEDEN AB, SE  
[85] 2000-10-25  
[86] 1999-04-29 (PCT/SE99/00706)  
[87] 1999-11-11 (WO99/57662)  
[30] SE (9801525-8) 1998-04-30

[21] **2,329,770**  
[13] A1

[51] **Int.Cl. 7C07F 9/50**  
[25] EN  
[54] **THE PREPARATION OF ARYLPHOSPHINES**  
[54] **PREPARATION D'ARYLPHOSPHINES**  
[72] LENNON, IAN CAMPBELL, GB  
[72] WINTER, STEPHEN BENEDICT DAVID, GB  
[71] CHIROTECH TECHNOLOGY LIMITED, GB  
[85] 2000-10-25  
[86] 1999-06-30 (PCT/GB99/02065)  
[87] 2000-01-06 (WO00/00498)  
[30] GB (9814170.8) 1998-06-30  
[30] US (60/096,174) 1998-08-11

[21] **2,329,773**  
[13] A1

[51] **Int.Cl. 7G09B 5/00 7G11B 17/22 7A63H 3/28 7A63H 3/33**  
[25] EN  
[54] **SPEAKING TOY HAVING PLURAL MESSAGES AND ANIMATED CHARACTER FACE**  
[54] **JOUET PARLANT ENONCANT PLUSIEURS MESSAGES ET A DEVANT POURVU DE PERSONNAGES ANIMES**  
[72] DOLAN, MARISA A., US  
[71] MATTEL, INC., US  
[85] 2000-12-25  
[86] 1999-07-21 (PCT/US99/16522)  
[87] 2000-03-02 (WO00/11633)  
[30] US (09/137,461) 1998-08-20

[21] **2,329,777**  
[13] A1

[51] **Int.Cl. 6A61K 31/18**  
[25] EN  
[54] **CCR-3 RECEPTOR ANTAGONISTS**  
[54] **CCR-3 ANTAGONISTES DU RECEPTEUR CCR-3**  
[72] DHANAK, DASHYANT, US  
[71] SMITHKLINE BEECHAM CORPORATION, US  
[85] 2000-10-25  
[86] 1999-04-27 (PCT/US99/09182)  
[87] 1999-11-04 (WO99/55324)  
[30] US (60/083,228) 1998-04-27

[21] **2,329,778**  
[13] A1

[51] **Int.Cl. 6A61K 49/00 6A61K 41/00 6A61K 49/04 6A61K 51/12**  
[25] EN  
[54] **IMPROVEMENTS IN OR RELATING TO DIAGNOSTIC/THERAPEUTIC AGENTS**  
[54] **PERFECTIONNEMENTS RELATIFS A DES AGENTS DIAGNOSTIQUES/THERAPEUTIQUES**  
[72] WOLFE, HENRY RAPHAEL, US  
[72] CUTHBERTSON, ALAN, NO  
[72] SOLBAKKEN, MAGNE, NO  
[71] NYCOMED IMAGING AS, NO  
[85] 2000-10-25  
[86] 1999-04-22 (PCT/GB99/01247)  
[87] 1999-11-04 (WO99/55383)  
[30] GB (9809084.8) 1998-04-28

[21] **2,329,780**  
[13] A1

[51] **Int.Cl. 6A61M 5/32**  
[25] EN  
[54] **NEEDLE STICK PROTECTION APPARATUS**  
[54] **DISPOSITIF DE PROTECTION D'UNE AIGUILLE**  
[72] KIEHNE, BRUCE LEIGH, AU  
[71] JIREH TECH PTY. LTD., AU  
[85] 2000-10-25  
[86] 1999-04-01 (PCT/AU99/00250)  
[87] 1999-10-14 (WO99/51289)  
[30] AU (PP 2739) 1998-04-01  
[30] AU (PP 5795) 1998-09-09  
[30] AU (PP 6791) 1998-10-28  
[30] AU (PP 7979) 1998-12-31  
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[30] AU (PP 8332) 1999-01-25  
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| <p style="text-align: right;">[21] <b>2,329,782</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 6A61N 1/36</b><br/>[25] EN<br/>[54] <b>IMPLANTABLE SEIZURE WARNING SYSTEM</b><br/>[54] <b>SYSTEME D'AVERTISSEMENT DE CRISE D'EPILEPSIE IMPLANTABLE</b><br/>[72] RISE, MARK T., US<br/>[71] MEDTRONIC, INC., US<br/>[85] 2000-10-25<br/>[86] 1999-04-12 (PCT/US99/07937)<br/>[87] 1999-11-11 (WO99/56821)<br/>[30] US (09/069,917) 1998-04-30</p>   | <p style="text-align: right;">[21] <b>2,329,829</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 6C07K 1/18 6C07K 16/32</b><br/>[25] EN<br/>[54] <b>PROTEIN PURIFICATION BY ION EXCHANGE CHROMATOGRAPHY</b><br/>[54] <b>PURIFICATION DE PROTEINES PAR CHROMATOGRAPHIE PAR ECHANGE D'IONS</b><br/>[72] BASEY, CAROL D., US<br/>[72] BLANK, GREG S., US<br/>[71] GENENTECH, INC., US<br/>[85] 2000-10-25<br/>[86] 1999-05-03 (PCT/US99/09637)<br/>[87] 1999-11-11 (WO99/57134)<br/>[30] US (60/084,459) 1998-05-06</p>   | <p style="text-align: right;">[21] <b>2,329,831</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 6B60P 7/15</b><br/>[25] EN<br/>[54] <b>CARGO SUPPORT</b><br/>[54] <b>APPUI AU TRANSPORT DE MARCHANDISE</b><br/>[72] BERG, STURE, SE<br/>[71] BERG, STURE, SE<br/>[85] 2000-10-25<br/>[86] 1999-04-13 (PCT/SE99/00589)<br/>[87] 1999-12-02 (WO99/61277)<br/>[30] SE (9801733-8) 1998-05-14</p>   |
| <p style="text-align: right;">[21] <b>2,329,826</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 7A63H 13/00 7G09F 19/08</b><br/>[25] EN<br/>[54] <b>TOUCH-RESPONSIVE DOLL HAVING ARM MOTION</b><br/>[54] <b>POUPEE A BRAS MOBILES REAGISSANT A DES COMMANDES TACTILES</b><br/>[72] EWING, BRIAN, US<br/>[72] MCDONALD, DONALD L., US<br/>[71] MATTEL, INC., US<br/>[85] 2000-10-25<br/>[86] 1999-07-21 (PCT/US99/16501)<br/>[87] 2000-03-02 (WO00/10667)<br/>[30] US (09/136,429) 1998-08-18</p>   | <p style="text-align: right;">[21] <b>2,329,833</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 6A47C 23/053 6A47C 23/055</b><br/>[25] EN<br/>[54] <b>SPRING MATTRESS</b><br/>[54] <b>MATELAS A RESSORTS</b><br/>[72] STJERNA, NILS ERIC, SE<br/>[71] STJERNFJÄDRAR AB, SE<br/>[85] 2000-10-25<br/>[86] 1999-04-20 (PCT/SE99/00623)<br/>[87] 1999-11-25 (WO99/59449)<br/>[30] SE (9801762-7) 1998-05-19</p>   |  |

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[13] A1

[51] **Int.Cl. 6G06F 9/44**  
[25] EN  
[54] **REMOTE INSTALLATION OF COMPUTER OPERATING SYSTEMS**  
[54] **INSTALLATION A DISTANCE DE SYSTEMES D'EXPLOITATION INFORMATIQUES**  
[72] PLATT, DANIEL JAMES, US  
[72] PATTERSON, ANDREW DAVID, GB  
[72] POWELL, THOMAS DWAYNE, US  
[71] GLAXO GROUP LIMITED, GB  
[85] 2000-10-25  
[86] 1998-05-13 (PCT/GB98/01356)  
[87] 1999-11-18 (WO99/59059)

[21] **2,329,836**  
[13] A1

[51] **Int.Cl. 7C09J 175/04 7B32B 5/02 7C09J 7/02 7D06M 17/10 7B32B 27/12**  
[25] EN  
[54] **REACTIVE HOT-MELT ADHESIVE AND ITS APPLICATIONS**  
[54] **ADHESIF THERMOFUSIBLE REACTIF ET SES APPLICATIONS**  
[72] TADA, MASAKO, JP  
[72] NOMI, HARUO, JP  
[72] YAMADA, ERIKO, JP  
[71] ASAHI GLASS COMPANY LTD., JP  
[71] JAPAN GORE-TEX INC., JP  
[85] 2000-10-25  
[86] 2000-02-25 (PCT/JP00/01128)  
[87] 2000-08-31 (WO00/50529)  
[30] JP (11/49819) 1999-02-26

[21] **2,329,837**  
[13] A1

[51] **Int.Cl. 6G01N 27/26 6G01N 27/447**  
[25] EN  
[54] **MICROFLUIDIC MATRIX LOCALIZATION APPARATUS AND METHODS**  
[54] **APPAREIL MICROFLUIDIQUE ET PROCEDES DE LOCALISATION MATRICIELLE**  
[72] KOPF-SILL, ANNE R., US  
[72] MEHTA, TAMMYBURD, US  
[71] CALIPER TECHNOLOGIES CORPORATION, US  
[85] 2000-10-25  
[86] 1999-06-07 (PCT/US99/12843)  
[87] 1999-12-16 (WO99/64848)  
[30] US (09/093,832) 1998-06-08

[21] **2,329,838**  
[13] A1

[51] **Int.Cl. 6C09J 133/08 6B05D 5/10 6B41M 3/12 6B44C 1/17**  
[25] EN  
[54] **WATER-ACTIVATABLE POLYMERS FOR INK JET-IMPRINTABLE CONSTRUCTIONS**  
[54] **POLYMERES A REACTIVATION A L'EAU POUR CONSTRUCTIONS POUVANT ETRE IMPRIMEES PAR JET D'ENCRE**  
[72] SU, SHIAONUNG, US  
[71] AVERY DENNISON CORPORATION, US  
[85] 2000-10-25  
[86] 1999-05-03 (PCT/US99/09682)  
[87] 1999-11-11 (WO99/57215)  
[30] US (09/071,502) 1998-05-01

[21] **2,329,840**  
[13] A1

[51] **Int.Cl. 7C08L 27/06 7C08F 279/00 7C08L 55/00**  
[25] EN  
[54] **IMPACT MODIFIER RESIN FOR VINYL CHLORIDE RESINS IMPROVED IN POWDER CHARACTERISTICS**  
[54] **RESINE ANTICHOC POUR RESINES DE CHLORURE DE VINYLE AMELIOREES DANS LEURS PROPRIETES DE POUDRE**  
[72] UEMURA, AKIRA, JP  
[72] YAUCHI, SHINICHI, JP  
[72] TAKAKI, AKIRA, JP  
[72] YOSHIOKA, MASAHITO, JP  
[71] KANEKA CORPORATION, JP  
[85] 2000-10-25  
[86] 2000-03-23 (PCT/JP00/01757)  
[87] 2000-10-05 (WO00/58399)  
[30] JP (11/81960) 1999-03-25

[21] **2,329,917**  
[13] A1

[51] **Int.Cl. 6C09D 11/00 6C08K 5/17 6C09B 62/465**  
[25] EN  
[54] **SOLID COMPLEXES OF ANIONIC ORGANIC DYES AND QUATERNARY AMMONIUM COMPOUNDS AND METHODS OF COLORING UTILIZING SUCH COMPLEXES**  
[54] **COMPLEXES SOLIDES DE COLORANTS ORGANIQUES ANIONIQUES ET DE COMPOSES D'AMMONIUM QUATERNAIRE, ET PROCEDES DE COLORATION ASSOCIES**  
[72] MAHAFFEY, ROBERT L., JR., US  
[72] SUDDETH, KAYE CANNON, US  
[72] ZHAO, XIAODONG EDWARD, US  
[71] MILLIKEN RESEARCH CORPORATION, US  
[85] 2000-10-24  
[86] 1999-04-14 (PCT/US99/08187)  
[87] 1999-11-04 (WO99/55787)  
[30] US (09/065,620) 1998-04-24

[21] **2,329,918**  
[13] A1

[51] **Int.Cl. 6G01R 27/26 6D21F 1/66**  
[25] EN  
[54] **PAPER STOCK ZETA POTENTIAL MEASUREMENT AND CONTROL**  
[54] **MESURE ET REGULATION DU POTENTIEL ZETA DE LA PATE A PAPIER**  
[72] WATSON, JOHN D., CA  
[72] GOSS, JOHN D., US  
[72] CHASE, LEE, US  
[72] HAGART-ALEXANDER, CLAUD, CA  
[72] HU, HUNG-TZAW, US  
[71] HONEYWELL-MEASUREX CORPORATION, US  
[85] 2000-10-24  
[86] 1999-04-12 (PCT/US99/07948)  
[87] 1999-10-28 (WO99/54741)  
[30] US (09/065,408) 1998-04-23

## PCT Applications Entering the National Phase

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| <p style="text-align: center;">[21] <b>2,329,920</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 6A61K 45/05 6A61K 38/00 6A01N 43/04 6A61K 31/16 6A01N 37/18 6A61K 31/535 6A01N 43/66 6A61K 31/70</b></p> <p>[25] EN</p> <p>[54] <b>METHODS FOR REDUCING HIV VIRAL LOAD BY ADMINISTERING GM-CSF AND ANTIRETROVIRAL AGENTS</b></p> <p>[54] <b>METHODE DE REDUCTION DE LA CHARGE VIRALE EN VIH PAR ADMINISTRATION DE GM-CSF ET D'AGENTS ANTI-RETROVIRAUX</b></p> <p>[72] AGOSTI, JAN M., US</p> <p>[71] IMMUNEX CORPORATION, US</p> <p>[85] 2000-10-24</p> <p>[86] 1999-04-23 (PCT/US99/09001)</p> <p>[87] 1999-11-04 (WO99/55370)</p> <p>[30] US (09/067,926) 1998-04-28</p> | <p style="text-align: center;">[21] <b>2,329,923</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 6A61K 7/16 6A61K 7/18</b></p> <p>[25] EN</p> <p>[54] <b>DUAL COMPONENT DENTIFRICE COMPOSITION FOR FLUORIDATING TEETH</b></p> <p>[54] <b>COMPOSITION DENTIFRICE A DEUX COMPOSANTES POUR FLUORATION DES DENTS</b></p> <p>[72] TAVSS, EDWARD A., US</p> <p>[72] JOZIAK, MARILOU T., US</p> <p>[72] FISHER, STEVEN W., US</p> <p>[72] GAMBOGI, ROBERT J., US</p> <p>[71] COLGATE-PALMOLIVE COMPANY, US</p> <p>[85] 2000-10-24</p> <p>[86] 1999-04-27 (PCT/US99/09108)</p> <p>[87] 1999-11-04 (WO99/55297)</p> <p>[30] US (09/067,819) 1998-04-28</p> | <p style="text-align: center;">[21] <b>2,329,929</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 6A61K 38/00 6C07F 9/06 6C07D 223/16</b></p> <p>[25] EN</p> <p>[54] <b>AMINO ACID AMIDINOHYDRAZONES, ALKOXYGUANIDINES AND AMINO GUANIDINES AS PROTEASE INHIBITORS</b></p> <p>[54] <b>AMIDINOHYDRAZONES D'ACIDE AMINE, ALCOXYGUANIDINES ET AMINO GUANIDINES UTILISES COMME INHIBITEURS DE L'ENZYME PROTEASE</b></p> <p>[72] MARKOTAN, THOMAS P., US</p> <p>[72] SOLL, RICHARD M., US</p> <p>[72] TOMCZUK, BRUCE, US</p> <p>[72] LU, TIANBAO, US</p> <p>[71] 3-DIMENSIONAL PHARMACEUTICALS, INC., US</p> <p>[85] 2000-10-24</p> <p>[86] 1999-04-22 (PCT/US99/08795)</p> <p>[87] 1999-11-04 (WO99/55355)</p> <p>[30] US (60/082,969) 1998-04-24</p>  |
| <p style="text-align: center;">[21] <b>2,329,921</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 6C07D 471/04 6A61K 31/435</b></p> <p>[25] EN</p> <p>[54] <b>IMIDAZO PYRIDINE DERIVATIVES WHICH INHIBIT GASTRIC ACID SECRETION</b></p> <p>[54] <b>DERIVES D'IMIDAZO PYRIDINE QUI INHIBENT LA SECRETION D'ACIDE GASTRIQUE</b></p> <p>[72] NORDBERG, PETER, SE</p> <p>[72] AMIN, KOSRAT, SE</p> <p>[72] DAHLSTROM, MIKAEL, SE</p> <p>[72] STARKE, INGEMAR, SE</p> <p>[71] ASTRAZENECA AB, SE</p> <p>[85] 2000-10-24</p> <p>[86] 1999-04-23 (PCT/SE99/00662)</p> <p>[87] 1999-11-04 (WO99/55705)</p> <p>[30] SE (9801526-6) 1998-04-29</p>                                     | <p style="text-align: center;">[21] <b>2,329,924</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 6G03H 1/08</b></p> <p>[25] EN</p> <p>[54] <b>DIFFUSING IMAGER AND ASSOCIATED METHODS</b></p> <p>[54] <b>DISPOSITIF DE FORMATION D'IMAGES PAR DIFFUSION ET PROCEDES ASSOCIES</b></p> <p>[72] FELDMAN, MICHAEL R., US</p> <p>[72] HUTCHINS, ROBERT, US</p> <p>[72] WELCH, W. HUDSON, US</p> <p>[71] DIGITAL OPTICS CORPORATION, US</p> <p>[85] 2000-10-24</p> <p>[86] 1999-04-23 (PCT/US99/08910)</p> <p>[87] 1999-11-04 (WO99/56182)</p> <p>[30] US (60/082,938) 1998-04-24</p> <p>[30] US (09/296,397) 1999-04-22</p>                            | <p style="text-align: center;">[21] <b>2,329,930</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 6C07C 229/22 6C07D 257/04 6C07C 275/16 6A61K 31/195 6C07C 271/22 6A61K 31/41 6C07F 9/54 6C07F 9/6561 6A61K 31/66</b></p> <p>[25] EN</p> <p>[54] <b>COMPOUNDS HAVING REVERSIBLE INHIBITING ACTIVITY OF CARNITINE PALMITOYL-TRANSFERASE</b></p> <p>[54] <b>COMPOSES EXERCANT UNE ACTIVITE D'INHIBITION REVERSIBLE DE CARNITINE PALMITYL-TRANSFERASE</b></p> <p>[72] TINTI, MARIA ORNELLA, IT</p> <p>[72] ARDUINI, ARDUINO, IT</p> <p>[72] CHIODI, PIERO, IT</p> <p>[72] DE ANGELIS, FRANCESCO, IT</p> <p>[72] MINETTI, PATRIZIA, IT</p> <p>[72] MARZI, MAURO, IT</p> <p>[72] GIANNESI, FABIO, IT</p> <p>[71] SIGMA-TAU INDUSTRIE FARMACEUTICHE RIUNITE S.P.A., IT</p> <p>[85] 2000-10-24</p> <p>[86] 1999-05-11 (PCT/IT99/00126)</p> <p>[87] 1999-11-25 (WO99/59957)</p> <p>[30] IT (MI98A001075) 1998-05-15</p> |
| <p style="text-align: center;">[21] <b>2,329,922</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 6C07D 471/04 6A61K 31/435</b></p> <p>[25] EN</p> <p>[54] <b>IMIDAZO PYRIDINE DERIVATIVES WHICH INHIBIT GASTRIC ACID SECRETION</b></p> <p>[54] <b>DERIVES D'IMIDAZO PYRIDINE QUI INHIBENT LA SECRETION D'ACIDE GASTRIQUE</b></p> <p>[72] DAHLSTROM, MICHAEL, SE</p> <p>[72] AMIN, KOSRAT, SE</p> <p>[72] STARKE, INGEMAR, SE</p> <p>[72] NORDBERG, PETER, SE</p> <p>[71] ASTRAZENECA AB, SE</p> <p>[85] 2000-10-24</p> <p>[86] 1999-04-23 (PCT/SE99/00663)</p> <p>[87] 1999-11-04 (WO99/55706)</p> <p>[30] SE (9801526-6) 1998-04-29</p>                                    | <p style="text-align: center;">[21] <b>2,329,926</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 7H04N 5/91 7G11B 27/031 7G11B 20/10 7H04N 5/92</b></p> <p>[25] EN</p> <p>[54] <b>NONLINEAR EDITING DEVICE AND NONLINEAR EDITING METHOD</b></p> <p>[54] <b>DISPOSITIF D'EDITION NON LINEAIRE ET PROCEDE D'EDITION NON LINEAIRE</b></p> <p>[72] SOMIYA, KUNITAKA, JP</p> <p>[71] MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD., JP</p> <p>[85] 2000-10-24</p> <p>[86] 2000-02-21 (PCT/JP00/00963)</p> <p>[87] 2000-08-31 (WO00/51347)</p> <p>[30] JP (11/47764) 1999-02-25</p>  |  |

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[13] A1  
[51] **Int.Cl. 6A61K 48/00**  
[25] EN  
[54] **METHODS OF ALTERING CARDIAC CELL PHENOTYPE**  
[54] **PROCEDES DE MODIFICATION DU PHENOTYPE DE LA CELLULE CARDIAQUE**  
[72] ENGLER, ROBERT L., US  
[71] COLLATERAL THERAPEUTICS, US  
[85] 2000-11-29  
[86] 1999-05-28 (PCT/US99/11961)  
[87] 1999-12-09 (WO99/62940)  
[30] US (60/087,380) 1998-05-30

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[13] A1  
[51] **Int.Cl. 6A61K 38/00 6C12N 5/06 6C12N 5/08**  
[25] EN  
[54] **FERTILITY IMPROVING COMPOSITION AND APPLICATION THEREOF**  
[54] **COMPOSITION FAVORISANT LA FECONDITE ET APPLICATION**  
[72] KICZKA, WITOLD, US  
[71] NIKA HEALTH PRODUCTS LIMITED, LI  
[85] 2000-10-24  
[86] 1999-04-15 (PCT/EP99/02539)  
[87] 1999-11-04 (WO99/55354)  
[30] EP (98107602.9) 1998-04-27

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[13] A1  
[51] **Int.Cl. 6C12N 15/12 6A01K 67/027 6C07K 14/47 6G01N 33/68 6C12Q 1/68**  
[25] EN  
[54] **TRANSGENETIC NON-HUMAN ANIMAL WHICH COMPRISES AN INACTIVE PEG3 GENE, AND THE USE THEREOF**  
[54] **ANIMAL TRANSGENIQUE NON HUMAIN COMPRENANT LE GENE PEG3 INACTIF ET LEUR UTILISATION**  
[72] SURANI, AZIM, GB  
[71] CAMBRIDGE UNIVERSITY TECHNICAL SERVICES LIMITED, GB  
[85] 2000-12-06  
[86] 1999-06-25 (PCT/GB99/02009)  
[87] 1999-12-29 (WO99/67407)  
[30] GB (9813778.9) 1998-06-25

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[13] A1  
[51] **Int.Cl. 6A61K 31/70 6C07K 19/00 6A61K 38/16 6C07K 16/28 6C12N 15/31 6A61K 39/395 6C07K 14/46 6C12N 15/62**  
[25] EN  
[54] **USE OF GENETICALLY ENGINEERED ANTIBODIES TO CD38 TO TREAT MULTIPLE MYELOMA**  
[54] **TRAITEMENT DU MYELOME MULTIPLE AU MOYEN D'ANTICORPS DU CD38 OBTENUS PAR GENIE GENETIQUE**  
[72] DONOVAN, KATHLEEN A., US  
[72] LUST, JOHN A., US  
[71] MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH, US  
[85] 2000-12-05  
[86] 1999-06-04 (PCT/US99/12512)  
[87] 1999-12-09 (WO99/62526)  
[30] US (60/088,277) 1998-06-05

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[13] A1  
[51] **Int.Cl. 6A61K 38/09 6C07K 7/23**  
[25] EN  
[54] **METHODS FOR TREATING HOT FLASHES AND GYNAECOMASTIA**  
[54] **METHODES DE TRAITEMENT DES BOUFFEES DE CHALEUR ET DE LA GYNECOMASTIE**  
[72] GARNICK, MARC B., US  
[71] PRAECIS PHARMACEUTICALS INCORPORATED, US  
[85] 2000-10-24  
[86] 1999-04-27 (PCT/US99/09081)  
[87] 1999-11-04 (WO99/55358)  
[30] US (09/067,140) 1998-04-27

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[13] A1  
[51] **Int.Cl. 6C12N 15/12 6A61K 38/17 6A61K 39/385 6C07K 14/47 6A61K 47/48 6G01N 33/564 6C12N 15/62 6G01N 33/68 6C07K 14/775 6G01N 33/92**  
[25] EN  
[54] **THERAPEUTIC AND DIAGNOSTIC DOMAIN 1 .BETA.2GPI POLYPEPTIDES AND METHODS OF USING SAME**  
[54] **POLYPEPTIDES .BETA.2GPI THERAPEUTIQUES ET DIAGNOSTIQUES DE DOMAINE 1 ET PROCEDES D'UTILISATION CORRESPONDANTS**  
[72] MARQUIS, DAVID M., US  
[72] LINNIK, MATTHEW D., US  
[72] JONES, DAVID S., US  
[72] VICTORIA, EDWARD J., US  
[72] IVERSON, GILBERT M., US  
[71] LA JOLLA PHARMACEUTICAL COMPANY, US  
[85] 2000-12-06  
[86] 1999-06-09 (PCT/US99/13194)  
[87] 1999-12-16 (WO99/64595)  
[30] US (60/088,656) 1998-06-09  
[30] US (60/103,088) 1998-10-05  
[30] US (09/328,199) 1999-06-08

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[21] **2,329,943**  
[13] A1  
[51] **Int.Cl. 6B01J 13/00 6D06M 13/322 6C07D 239/42**  
[25] EN  
[54] **COMPLEXES OF ULTRAVIOLET ABSORBERS AND QUATERNARY AMMONIUM COMPOUNDS WHICH ARE SUBSTANTIALLY FREE FROM UNWANTED SALTS**  
[54] **COMPLEXES D'ABSORBEURS D'UV ET D'AMMONIUM QUATERNAIRE, SENSIBLEMENT EXEMPTS DE SELS NON DESIRES**  
[72] ANN, QINGHONG JESSICA, US  
[72] ZHAO, XIAODONG EDWARD, US  
[71] MILLIKEN RESEARCH CORPORATION, US  
[85] 2000-10-24  
[86] 1999-04-14 (PCT/US99/08186)  
[87] 1999-11-04 (WO99/55453)  
[30] US (09/065,618) 1998-04-24

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[13] A1

[51] **Int.Cl. 6C12N 15/02 6C12N 13/00 6C12M 1/42**  
[25] EN  
[54] **ELECTROFUSION CHAMBER**  
[54] **CHAMBRE D'ELECTROFUSION**  
[72] GILBERT, RICHARD A., US  
[72] HELLER, RICHARD, US  
[72] JAROSZESKI, MARK J., US  
[71] UNIVERSITY OF SOUTH FLORIDA, US  
[85] 2000-12-08  
[86] 1999-06-08 (PCT/US99/12872)  
[87] 1999-12-16 (WO99/64581)  
[30] US (60/088,758) 1998-06-10

[21] **2,329,947**  
[13] A1

[51] **Int.Cl. 6C12N 15/00 6A61K 48/00 6C12N 5/00**  
[25] EN  
[54] **NOVEL ADENOVIRAL VECTORS FOR GENE THERAPY**  
[54] **NOUVEAUX VECTEURS ADENOVIRAUX UTILISES EN THERAPIE GENIQUE**  
[72] MORSY, MANAL A., US  
[72] SANDIG, VOLKER, US  
[71] MERCK & CO., INC., US  
[85] 2000-12-07  
[86] 1999-06-04 (PCT/US99/12548)  
[87] 1999-12-16 (WO99/64577)  
[30] US (60/088,605) 1998-06-09  
[30] US (60/097,258) 1998-08-20

[21] **2,329,948**  
[13] A1

[51] **Int.Cl. 6C07K 7/04 6C12N 11/00 6C12Q 1/00 6G01N 33/53 6G01N 33/538 6G01N 33/541 6G01N 33/564 6G01N 33/573 6C12N 15/64 6C12Q 1/68**  
[25] EN  
[54] **SOLUTION-PHASE ELISA**  
[54] **TECHNIQUE ELISA POUR PHASE EN SOLUTION**  
[72] RAJADHYAKSHA, MANOJ, US  
[72] KUMAR, VIJAY, US  
[71] IMMCO DIAGNOSTICS, US  
[85] 2000-12-08  
[86] 1999-06-07 (PCT/US99/12708)  
[87] 1999-12-16 (WO99/64447)  
[30] US (09/094,244) 1998-06-09  
[30] US (09/129,346) 1998-08-05

[21] **2,329,954**  
[13] A1

[51] **Int.Cl. 7G01S 13/88 7G01F 23/284**  
[25] EN  
[54] **MEASURING THE THICKNESS OF MATERIALS**  
[54] **MESURE DE L'EPAISSEUR DE MATERIAUX**  
[72] ESTOCIN, JOHN G., US  
[72] MARQUART, ROGER, US  
[72] WALKER, DAVID I., CA  
[72] MESZAROS, GREGORY A., US  
[72] KEMENY, FRANK L., US  
[71] USX ENGINEERS AND CONSULTANTS, INC., US  
[85] 2000-10-25  
[86] 1999-08-12 (PCT/US99/18247)  
[87] 2000-03-02 (WO00/11494)  
[30] US (09/135,617) 1998-08-18  
[30] US (09/354,216) 1999-07-15

[21] **2,329,977**  
[13] A1

[51] **Int.Cl. 6F16K 37/00**  
[25] EN  
[54] **PRESSURE RELIEF VALVE MONITORING DEVICE**  
[54] **DISPOSITIF DE CONTROLE D'UNE SOUPEPE DE DECHARGE**  
[72] JONES, MICHAEL A., US  
[72] FRIEND, RONALD G., US  
[71] ANDERSON, GREENWOOD LP, US  
[85] 2000-10-24  
[86] 1999-04-22 (PCT/US99/08766)  
[87] 1999-11-04 (WO99/56047)  
[30] US (60/083,021) 1998-04-24  
[30] US (09/285,268) 1999-04-02

[21] **2,329,979**  
[13] A1

[51] **Int.Cl. 6A61F 13/00 6A61F 13/15**  
[25] EN  
[54] **DISPOSABLE ABSORBENT ARTICLE HAVING AN IMPROVED TOPSHEET**  
[54] **ARTICLE ABSORBANT JETABLE PRESENTANT UNE FEUILLE SUPERIEURE PERFECTIONNEE**  
[72] DIVO, MICHAEL, DE  
[72] STIEHL, GABRIELE, DE  
[72] MULLER, JORG, DE  
[71] THE PROCTER & GAMBLE COMPANY, US  
[85] 2000-10-24  
[86] 1999-04-30 (PCT/US99/09597)  
[87] 1999-11-11 (WO99/56680)  
[30] EP (98108035.1) 1998-05-02

[21] **2,329,980**  
[13] A1

[51] **Int.Cl. 6C09D 11/00 6C08K 5/17 6C09B 62/465**  
[25] EN  
[54] **HOMOGENEOUS LIQUID COMPLEXES OF ANIONIC ORGANIC DYES AND QUATERNARY AMMONIUM COMPOUNDS AND METHODS OF COLORING**  
[54] **COMPLEXES LIQUIDES HOMOGENES DE COLORANTS ORGANIQUES ANIONIQUES ET DE COMPOSES D'AMMONIUM QUATERNAIRE, ET PROCEDES DE COLORATION**  
[72] MOORE, PATRICK D., US  
[72] SUDDETH, KAYE CANNON, US  
[72] ZHAO, XIAODONG EDWARD, US  
[72] BATLAW, RAJ, US  
[71] MILLIKEN RESEARCH CORPORATION, US  
[85] 2000-10-24  
[86] 1999-04-16 (PCT/US99/08401)  
[87] 1999-11-04 (WO99/55788)  
[30] US (09/065,597) 1998-04-24

[21] **2,329,981**  
[13] A1

[51] **Int.Cl. 6D05B 47/04 6D05B 45/00**  
[25] EN  
[54] **METHOD AND APPARATUS FOR AUTOMATIC ADJUSTMENT OF THREAD TENSION**  
[54] **PROCEDE ET DISPOSITIF PERMETTANT DE REGLER AUTOMATIQUEMENT LA TENSION DU FIL**  
[72] CHILDS, WILLIAM R., US  
[72] MELTON, RANDALL, US  
[72] TURNER, VERNON STEPHEN, US  
[71] MCET, LLC, US  
[85] 2000-10-24  
[86] 1999-05-06 (PCT/US99/09922)  
[87] 1999-11-18 (WO99/58752)  
[30] US (09/075,502) 1998-05-08

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[21] **2,329,982**  
[13] A1

[51] **Int.Cl. 6C12Q 1/02 6C12P 9/00 6C07F 9/10 6A61K 31/66**  
[25] EN  
[54] **MEMBRANE-PERMEANT PHOSPHOINOSITIDES**  
[54] **PHOSPHO-INOSITIDES DE PERMEATION MEMBRANAIRE**  
[72] JIANG, TAO, US  
[72] TSIEN, ROGER Y., US  
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US  
[85] 2000-10-24  
[86] 1999-04-23 (PCT/US99/08976)  
[87] 1999-11-04 (WO99/55903)  
[30] US (09/066,037) 1998-04-24

[21] **2,329,999**  
[13] A1

[51] **Int.Cl. 6G06F 17/30 6H04M 3/22**  
[25] EN  
[54] **METHOD AND APPARATUS FOR MULTIPLE AGENT COMMITMENT TRACKING AND NOTIFICATION**  
[54] **PROCEDE ET APPAREIL DE SUIVI ET DE NOTIFICATION D'ENGAGEMENTS DE MULTIPLES AGENTS**  
[72] POWERS, JAMES KARL, US  
[71] GENESYS TELECOMMUNICATIONS LABORATORIES, INC., US  
[85] 2000-10-24  
[86] 1999-04-26 (PCT/US99/08989)  
[87] 1999-11-04 (WO99/56229)  
[30] US (09/071,467) 1998-04-30

[21] **2,330,001**  
[13] A1

[51] **Int.Cl. 6H04B 7/26 6H04Q 7/20 6H04Q 7/24 6H04Q 7/38**  
[25] EN  
[54] **NOISE REDUCTION TECHNIQUES AND APPARATUS FOR ENHANCING WIRELESS DATA NETWORK TELEPHONY**  
[54] **TECHNIQUES DE REDUCTION DU BRUIT ET APPAREIL PERMETTANT D'AMELIORER LA RADIOTELEPHONIE SUR RESEAUX DE DONNEES**  
[72] KIKINIS, DAN, US  
[71] GENESYS TELECOMMUNICATIONS LABORATORIES, INC., US  
[85] 2000-10-24  
[86] 1999-04-26 (PCT/US99/08988)  
[87] 1999-11-04 (WO99/56415)  
[30] US (09/069,221) 1998-04-28

[21] **2,330,004**  
[13] A1

[51] **Int.Cl. 6A61F 13/15**  
[25] EN  
[54] **ABSORBENT INTERLABIAL DEVICE WITH SUBSTANCE THEREON FOR MAINTAINING THE DEVICE IN POSITION**  
[54] **DISPOSITIF ABSORBANT INTERLABIAL DOTE D'UNE SUBSTANCE SERVANT A SON MAINTIEN EN PLACE**  
[72] OSBORN, THOMAS WARD III, US  
[72] BROWN, PAMELA JEAN, US  
[72] KLOFTA, THOMAS JAMES, US  
[71] THE PROCTER & GAMBLE COMPANY, US  
[85] 2000-10-24  
[86] 1999-04-30 (PCT/US99/09599)  
[87] 1999-11-11 (WO99/56681)  
[30] US (09/071,444) 1998-05-01  
[30] US (09/071,425) 1998-05-01

[21] **2,330,006**  
[13] A1

[51] **Int.Cl. 6A61B 17/36**  
[25] EN  
[54] **ARRANGEMENT FOR COOLED PROBES**  
[54] **AGENCEMENTS DESTINES A DES SONDRES REFROIDIES**  
[72] COLEMAN, RICHARD, GB  
[72] CLARKE, BRIAN, GB  
[71] SPEMBLY MEDICAL LIMITED, GB  
[85] 2000-10-24  
[86] 1999-04-30 (PCT/GB99/01351)  
[87] 1999-11-11 (WO99/56639)  
[30] GB (9809344.6) 1998-04-30

[21] **2,330,007**  
[13] A1

[51] **Int.Cl. 6C07H 17/00 6A61K 31/70**  
[25] EN  
[54] **IMPROVEMENTS IN MACROLIDE PRODUCTION**  
[54] **AMELIORATIONS APPORTEES A LA FABRICATION DE MACROLIDES**  
[72] CENTELLAS, VICTOR, ES  
[72] DIAGO, JOSE, ES  
[72] BOSCH, IMMACULADA, ES  
[71] BIOCHEMIE S.A., ES  
[85] 2000-10-24  
[86] 1999-05-06 (PCT/EP99/03134)  
[87] 1999-11-18 (WO99/58541)  
[30] GB (9809939.3) 1998-05-08  
[30] GB (9812743.4) 1998-06-12

[21] **2,330,008**  
[13] A1

[51] **Int.Cl. 6A61L 15/24 6A61L 15/60**  
[25] EN  
[54] **ABSORBENT STRUCTURE HAVING IMPROVED ABSORPTION PROPERTIES**  
[54] **STRUCTURE ABSORBANTE AYANT DES PROPRIETES D'ABSORPTION AMELIOREES**  
[72] STRANDQVIST, KERSTI, SE  
[71] SCA HYGIENE PRODUCTS AB, SE  
[85] 2000-10-24  
[86] 1999-04-20 (PCT/SE99/00627)  
[87] 1999-11-04 (WO99/55393)  
[30] SE (9801490-5) 1998-04-28

[21] **2,330,009**  
[13] A1

[51] **Int.Cl. 7B65D 41/18**  
[25] EN  
[54] **PLASTIC CONTAINERS AND LIDS**  
[54] **RECIPIENTS ET COUVERCLES EN PLASTIC**  
[72] DIAMOND, DAVID, W., US  
[71] CLEMENTI, JOHN, US  
[85] 2000-10-24  
[86] 2000-03-16 (PCT/US00/06854)  
[87] 2000-10-05 (WO00/58170)  
[30] US (09/281,367) 1999-03-30

[21] **2,330,010**  
[13] A1

[51] **Int.Cl. 7C23C 2/02 7C22C 38/00 7C22C 38/14 7C21D 9/46**  
[25] EN  
[54] **STEEL SHEETS, HOT-DIPPED STEEL SHEETS AND ALLOYED HOT-DIPPED STEEL SHEETS AS WELL AS METHOD OF PRODUCING THE SAME**  
[54] **PLAQUE D'ACIER, PLAQUE D'ACIER OBTENUE PAR IMMERSION A CHAUD ET ALLIAGE DE PLAQUE D'ACIER OBTENUE PAR IMMERSION A CHAUD ET LEURS PROCEDES DE PRODUCTION**  
[72] HAYASHI, HIROMASA, JP  
[72] NISHIMURA, KEIJI, JP  
[72] TOSAKA, AKIO, JP  
[72] KYONO, KAZUAKI, JP  
[72] UMINO, SHIGERU, JP  
[71] KAWASAKI STEEL CORPORATION, JP  
[85] 2000-10-24  
[86] 2000-02-21 (PCT/JP00/00975)  
[87] 2000-08-31 (WO00/50659)  
[30] JP (11/48142) 1999-02-25  
[30] JP (11/55058) 1999-03-03  
[30] JP (11/112214) 1999-04-20  
[30] JP (11/322537) 1999-11-12

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[13] A1

[51] **Int.Cl. 6A22C 13/00**  
[25] EN  
[54] **FOODSTUFF WITH SKIN CONTAINING PROTEIN AND HYDROCOLLOID**  
[54] **PRODUIT ALIMENTAIRES POURVU D'UNE PEAU A BASE DE PROTEINES ET D'HYDROCOLLOIDES**  
[72] DE HAAN, BEN RUDOLF, NL  
[72] VAN DEN BURG, ANTHONIUS CORNELIS, NL  
[71] DSM N.V., NL  
[85] 2000-10-24  
[86] 1999-04-26 (PCT/EP99/02795)  
[87] 1999-11-04 (WO99/55165)  
[30] EP (98201336.9) 1998-04-24  
[30] EP (98307462.6) 1998-09-15

[21] **2,330,013**  
[13] A1

[51] **Int.Cl. 6A61K 35/78**  
[25] EN  
[54] **ANTITHROMBOTIC AGENTS**  
[54] **AGENTS ANTITHROMBOTIQUES**  
[72] DUTTA-ROY, ASIM, GB  
[71] ROWETT RESEARCH SERVICES LIMITED, GB  
[85] 2000-10-24  
[86] 1999-04-23 (PCT/GB99/01389)  
[87] 1999-11-04 (WO99/55350)  
[30] GB (9808796.8) 1998-04-24

[21] **2,330,024**  
[13] A1

[51] **Int.Cl. 6C12N 15/82 6A01H 1/00 6C12N 9/02**  
[25] EN  
[54] **POLYUNSATURATED FATTY ACIDS IN PLANTS**  
[54] **ACIDES GRAS POLYINSATURES VEGETAUX**  
[72] KNUTZON, DEBBIE, US  
[71] CALGENE LLC, US  
[85] 2000-12-07  
[86] 1999-06-10 (PCT/US99/13559)  
[87] 1999-12-16 (WO99/64614)  
[30] US (60/089,043) 1998-06-12

[21] **2,330,025**  
[13] A1

[51] **Int.Cl. 6C12N 9/00**  
[25] EN  
[54] **METHODS AND COMPOSITIONS USEFUL FOR MODULATION OF ANGIOGENESIS USING TYROSINE KINASE SRC**  
[54] **TECHNIQUES ET COMPOSITIONS UTILISEES POUR MODULER L'ANGIOGENESE A L'AIDE DE LA PROTEINE SRC DE LA TYROSINE KINASE**  
[72] SCHWARTZBERG, PAMELA L., US  
[72] ELICEIRI, BRIAN, US  
[72] CHERESH, DAVID A., US  
[71] THE SCRIPPS RESEARCH INSTITUTE, US  
[71] THE GOVERNMENT OF THE UNITED STATES OF AMERICA, US  
[85] 2000-11-29  
[86] 1999-05-28 (PCT/US99/11780)  
[87] 1999-12-02 (WO99/61590)  
[30] US (60/087,220) 1998-05-29

[21] **2,330,026**  
[13] A1

[51] **Int.Cl. 6A61K 48/00**  
[25] EN  
[54] **COMPOSITIONS AND METHODS FOR DELIVERY OF GENETIC MATERIAL FOR ALTERING NEURONAL GROWTH, REGENERATION, AND SURVIVAL**  
[54] **COMPOSITIONS ET PROCEDES PERMETTANT LA MISE EN PLACE D'AGENTS VENANT MODIFIER LA CROISSANCE DES NEURONES, LEUR REGENERATION ET LEUR SURVIE**  
[72] BAIRD, ANDREW, US  
[72] GONZALEZ, ANA MARIA, US  
[72] BERRY, MARTIN, GB  
[72] LOGAN, ANN, GB  
[71] KING'S COLLEGE, GB  
[71] SELECTIVE GENETICS, INC., US  
[71] UNIVERSITY OF BIRMINGHAM, GB  
[85] 2000-12-01  
[86] 1999-06-01 (PCT/US99/12126)  
[87] 1999-12-29 (WO99/66959)  
[30] US (09/088,419) 1998-06-01  
[30] US (09/178,286) 1998-10-23

[21] **2,330,027**  
[13] A1

[51] **Int.Cl. 6C12N 5/06 6A61K 39/00 6A61K 35/14**  
[25] EN  
[54] **METHOD FOR PREPARATION AND IN VIVO ADMINISTRATION OF ANTIGEN PRESENTING CELL COMPOSITION**  
[54] **TECHNIQUE DE PREPARATION ET D'ADMINISTRATION IN VIVO D'UNE COMPOSITION A BASE DE CELLULES PRESENTANT L'ANTIGENE**  
[72] VAN VLASSELAER, PETER, US  
[71] DENDREON CORPORATION, US  
[85] 2000-11-28  
[86] 1999-06-01 (PCT/US99/12142)  
[87] 1999-12-09 (WO99/63050)  
[30] US (60/087,764) 1998-06-02

[21] **2,330,039**  
[13] A1

[51] **Int.Cl. 6H03H 3/08 6H03H 9/05 6H03H 9/10**  
[25] EN  
[54] **ELECTRONIC COMPONENT**  
[54] **COMPONENT ELECTRONIQUE**  
[72] KRUGER, HANS, DE  
[72] STELZL, ALOIS, DE  
[71] EPCOS AG, DE  
[85] 2000-10-26  
[86] 1999-03-25 (PCT/DE99/00895)  
[87] 1999-11-04 (WO99/56390)  
[30] DE (198 18 824.2) 1998-04-27

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[13] A1

[51] **Int.Cl. 6F04B 17/03 6A61F 2/24**  
[25] EN  
[54] **IMPLANTABLE CENTRIFUGAL BLOOD PUMP WITH HYBRID MAGNETIC BEARINGS**  
[54] **POMPE A SANG CENTRIFUGE A ROULEMENTS MAGNETIQUES HYBRIDES**

[72] LONG, JAMES W., US  
[72] KUMAR, B. AJIT, US  
[72] KHANWILKAR, PRATAP S., US  
[72] DECKER, JEFFERY, US  
[72] BALOH, MICHAEL, US  
[72] BEARNSON, GILL B., US  
[72] ALLAIRE, PAUL E., US  
[72] OLSEN, DON B., US  
[72] FLACK, RON, US  
[71] UNIVERSITY OF UTAH, US  
[71] UNIVERSITY OF VIRGINIA, US  
[71] MEDQUEST PRODUCTS, INC., US  
[85] 2000-10-23  
[86] 1999-04-22 (PCT/US99/08870)  
[87] 1999-10-28 (WO99/53974)  
[30] US (09/064,352) 1998-04-22

[21] **2,330,049**  
[13] A1

[51] **Int.Cl. 6A61K 31/415 6A61K 31/44**  
[25] EN  
[54] **HYDROXYMEPRAZOLE COMPOSITIONS AND USES**  
[54] **COMPOSITIONS D'HYDROXYMEPRAZOLE ET LEURS UTILISATIONS**

[72] HANDLEY, DEAN A., US  
[72] YELLE, WILLIAM E., US  
[71] SEPRACOR INC., US  
[85] 2000-10-23  
[86] 1999-05-05 (PCT/US99/09814)  
[87] 1999-11-11 (WO99/56746)  
[30] US (60/084,258) 1998-05-05

[21] **2,330,050**  
[13] A1

[51] **Int.Cl. 6H01L 21/00**  
[25] EN  
[54] **RESIN MOLDED ARTICLE FOR CHAMBER LINER**  
[54] **ARTICLE EN RESINE MOULEE POUR GARNITURE DE CHAMBRE**

[72] SAKAI, SHUJI, JP  
[72] NAKAGAWA, SHINICHI, JP  
[71] E.I. DU PONT DE NEMOURS AND COMPANY, US  
[85] 2000-10-23  
[86] 1999-05-26 (PCT/US99/11554)  
[87] 1999-12-09 (WO99/63584)  
[30] JP (10/150137) 1998-05-29

[21] **2,330,051**  
[13] A1

[51] **Int.Cl. 6C08F 220/24 6C08L 33/14 6C08L 33/16 6D06M 15/263 6D06M 15/267 6D06M 15/273 6D06M 15/277 6C08F 220/34**

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[54] **POLYMERIC COMPOSITIONS FOR SOIL RELEASE ON FABRICS**  
[54] **COMPOSITIONS DE POLYMERES ANTISALISSURES POUT TISSUS**

[72] FITZGERALD, JOHN J., US  
[71] E.I. DU PONT DE NEMOURS AND COMPANY, US  
[85] 2000-10-23  
[86] 1999-06-16 (PCT/US99/13535)  
[87] 1999-12-23 (WO99/65959)  
[30] US (60/089,871) 1998-06-19  
[30] US (09/312,264) 1999-05-14

[21] **2,330,052**  
[13] A1

[51] **Int.Cl. 6C02F 1/52**  
[25] EN  
[54] **METHOD FOR TREATMENT OF AQUEOUS STREAMS COMPRISING BIOSOLIDS**

[54] **PROCEDE DE TRAITEMENT DE COURANTS AQUEUX COMPRENANT DES SOLIDES BIOLOGIQUES**

[72] MOFFETT, ROBERT HARVEY, US  
[71] E.I. DU PONT DE NEMOURS AND COMPANY, US  
[85] 2000-10-23  
[86] 1999-05-26 (PCT/US99/11550)  
[87] 1999-12-02 (WO99/61377)  
[30] US (09/086,048) 1998-05-28  
[30] US (09/315,099) 1999-05-19

[21] **2,330,054**  
[13] A1

[51] **Int.Cl. 6C09D 133/04 6C08F 8/32**  
[25] EN  
[54] **POLYACRYLICS CONTAINING PENDANT ACETOACETONATE MOIETIES**

[54] **POLYACRYLIQUES RENFERMANT DES FRACTIONS PENDANTES D'ACETOACETONATE**

[72] JAYCOX, GARY DELMAR, US  
[72] STRUKELJ, MARKO, US  
[72] SORMANI, PATRICIA MARY ELLEN, US  
[71] E.I. DU PONT DE NEMOURS AND COMPANY, US  
[85] 2000-10-23  
[86] 1999-05-19 (PCT/US99/11039)  
[87] 1999-11-25 (WO99/60065)  
[30] US (60/085,933) 1998-05-19  
[30] US (60/087,461) 1998-06-01

[21] **2,330,055**  
[13] A1

[51] **Int.Cl. 6C07D 405/12 6A61K 31/445**  
[25] EN  
[54] **PAROXETINE ASCORBATE**  
[54] **ASCORBATE DE PAROXETINE**  
[72] URQUHART, MICHAEL, GB  
[71] SMITHKLINE BEECHAM PLC, GB  
[85] 2000-10-23  
[86] 1999-04-23 (PCT/GB99/01244)  
[87] 1999-11-04 (WO99/55698)  
[30] GB (9808896.6) 1998-04-25

[21] **2,330,057**  
[13] A1

[51] **Int.Cl. 6D21H 17/25**  
[25] EN  
[54] **A METHOD OF PRODUCING A FIBER PRODUCT**

[54] **PROCEDE DE PRODUCTION D'UN PRODUIT FIBREUX**

[72] VUORINEN, TAPANI, FI  
[71] METSÄ-SERLA OYJ, FI  
[85] 2000-10-23  
[86] 1999-04-30 (PCT/FI99/00359)  
[87] 1999-11-11 (WO99/57370)  
[30] FI (980968) 1998-04-30

[21] **2,330,061**  
[13] A1

[51] **Int.Cl. 6A23L 1/29**  
[25] EN  
[54] **NUTRITIONALLY COMPLETE LOW PH ENTERAL FORMULA**  
[54] **FORMULE ENTERALE NUTRITIONNELLE COMPLETE A FAIBLE PH**

[72] DEWILLE, NORMANELLA T., US  
[72] MAZER, TERRENCE B., US  
[72] MORRIS, JEFFREY G., CA  
[72] CHANDLER, MICHAEL A., US  
[72] GARCIA, DIANE M., US  
[72] NDIFE, LOUIS I., US  
[72] ANLOAGUE, PAUL S., US  
[72] SMELLER, AMANDA L., US  
[71] ABBOTT LABORATORIES, US  
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[87] 1999-11-11 (WO99/56563)  
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[13] A1  
[51] **Int.Cl. 6F25D 23/06 6B29C 63/02 6B29C 53/06 6B29C 44/32**  
[25] EN  
[54] **CONTINUOUS METHOD FOR PRODUCING A REFRIGERATOR**  
[54] **PROCEDE EN CONTINU POUR LA FABRICATION D'UN REFRIGERATEUR**  
[72] VLEURINCK, HANS GUNTER, DE  
[72] DIETRICH, KARL WERNER, DE  
[71] BAYER AKTIENGESELLSCHAFT, DE  
[85] 2000-10-23  
[86] 1999-04-16 (PCT/EP99/02554)  
[87] 1999-11-04 (WO99/56068)  
[30] DE (198 18 890.0) 1998-04-28

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[13] A1  
[51] **Int.Cl. 6G01F 1/48 6G01L 19/00 6A61M 1/00 6G01F 1/34**  
[25] EN  
[54] **FLOW RATE MEASURING DEVICE**  
[54] **DISPOSITIF DE MESURE DE DEBIT**  
[72] DUCOURNAU, DIDIER, FR  
[72] VITALLY, GUY, FR  
[72] BOS, GILLES, FR  
[71] CORNEAL INDUSTRIE, FR  
[85] 2000-10-23  
[86] 1999-04-22 (PCT/FR99/00956)  
[87] 1999-11-04 (WO99/56090)  
[30] FR (98/05189) 1998-04-24

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[13] A1  
[51] **Int.Cl. 6B65H 18/22**  
[25] EN  
[54] **REEL-UP**  
[54] **ENROULEUSE**  
[72] NISKANEN, HEIKKI, FI  
[71] VALMET CORPORATION, FI  
[85] 2000-10-23  
[86] 1999-04-21 (PCT/FI99/00321)  
[87] 1999-11-04 (WO99/55608)  
[30] FI (980908) 1998-04-24

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[13] A1  
[51] **Int.Cl. 6B32B 17/10 6C08K 5/098**  
[25] EN  
[54] **ELIMINATING ADHESION DIFFERENCE DUE TO GLASS ORIENTATION IN LAMINATED SAFETY GLASS**  
[54] **ELIMINATION DES DIFFERENCES D'ADHERENCE DUES A L'ORIENTATION DU VERRE DANS UN VERRE DE SECURITE STRATIFIE**  
[72] FUGIEL, RICHARD ANTHONY WALTER, US  
[72] TURNBULL, JOHN W., US  
[72] WONG, BERT C., US  
[71] E.I. DU PONT DE NEMOURS AND COMPANY, US  
[85] 2000-10-23  
[86] 1998-05-22 (PCT/US98/10580)  
[87] 1999-12-02 (WO99/61243)

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[13] A1  
[51] **Int.Cl. 7H04L 29/08 7H04J 11/00 7H04L 5/06 7H04M 11/06**  
[25] EN  
[54] **COMMUNICATION DEVICE AND METHOD OF ELIMINATING INTERFERENCE IN THIS COMMUNICATION DEVICE**  
[54] **DISPOSITIF DE COMMUNICATIONS ET PROCEDE D'ELIMINATION D'INTERFERENCE DANS CE DISPOSITIF**  
[72] NARIKAWA, MASAFUMI, JP  
[72] MATSUMOTO, WATARU, JP  
[71] MITSUBISHI DENKI KABUSHIKI KAISHA, JP  
[85] 2000-10-23  
[86] 2000-02-14 (PCT/JP00/00792)  
[87] 2000-08-31 (WO00/51311)  
[30] JP (11/47144) 1999-02-24  
[30] JP (11/54430) 1999-03-02  
[30] JP (11/118011) 1999-04-26

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[13] A1  
[51] **Int.Cl. 6D04H 1/72 6D21H 27/00 6B27N 3/14**  
[25] EN  
[54] **SIFTING NET FOR A FIBRE DISTRIBUTOR**  
[54] **FILET DE TAMISAGE POUR DISTRIBUTEUR DE FIBRES**  
[72] ANDERSEN, JENS OLE BROCHNER, DK  
[72] SORENSEN, ELMGAARD BIRGER, DK  
[71] M&J FIBRETECH A/S, DK  
[85] 2000-10-23  
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[87] 1999-10-28 (WO99/54537)  
[30] DK (0555/98) 1998-04-21

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[21] **2,330,082**  
[13] A1  
[51] **Int.Cl. 6A61H 33/02**  
[25] EN  
[54] **ELECTRICALLY POWERED SPA JET UNIT**  
[54] **UNITE JET A ALIMENTATION ELECTRIQUE POUR CUVE THERMALE**  
[72] IDLAND, CARSTEN H., US  
[71] SOFTUB, INC., US  
[85] 2000-10-23  
[86] 1998-04-24 (PCT/US98/08231)  
[87] 1999-11-04 (WO99/55283)

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[13] A1  
[51] **Int.Cl. 6A61K 39/29 6C12N 7/01 6C07H 21/02 6A61K 39/295 6C12Q 1/70**  
[25] EN  
[54] **CHIMERAS OF HEPATITIS C VIRUS AND BOVINE VIRAL DIARRHEA VIRUS**  
[54] **CHIMERES DU VIRUS DE L'HEPATITE C ET VIRUS DE LA DIARRHEE VIRALE DES BOVINS**  
[72] MCBRIDE, M. SCOTT, US  
[72] MYERS, TINA M., US  
[72] AGAPOV, EUGENE V., US  
[72] FROLOV, ILYA, US  
[72] RICE, CHARLES M., US  
[72] LEE, YOUNG-MIN, US  
[71] WASHINGTON UNIVERSITY, US  
[85] 2000-10-23  
[86] 1999-04-23 (PCT/US99/08850)  
[87] 1999-11-04 (WO99/55366)  
[30] US (60/082,964) 1998-04-24

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[21] **2,330,087**  
[13] A1

[51] **Int.Cl. 6F16B 39/02 6B24B 45/00 6F16B 39/282**  
[25] EN  
[54] **IMPROVED FASTENER FIXATION AMELIOREE**  
[72] MATTHEWS, NORMAN LESLIE, AU  
[71] MATTHEWS, NORMAN LESLIE, AU  
[85] 2000-10-23  
[86] 1999-04-23 (PCT/AU99/00313)  
[87] 1999-11-04 (WO99/56024)  
[30] AU (PP 3152) 1998-04-23

[21] **2,330,088**  
[13] A1

[51] **Int.Cl. 6G01R 33/032**  
[25] EN  
[54] **OPTICAL FIBER MAGNETIC SENSOR**  
[54] **CAPTEUR MAGNETIQUE A FIBRE OPTIQUE**  
[72] SUNAHARA, SHUICHI, JP  
[72] IKEGAMI, HIDEO, JP  
[72] MIYAZAKI, JUMPEI, JP  
[71] HITACHI CABLE, LTD., JP  
[85] 2000-10-23  
[86] 1999-04-27 (PCT/JP99/02254)  
[87] 1999-11-11 (WO99/57571)  
[30] JP (10/120933) 1998-04-30

[21] **2,330,089**  
[13] A1

[51] **Int.Cl. 6H01P 1/203 6H01P 7/08 6H01P 1/213**  
[25] EN  
[54] **HTS FILTERS WITH SELF-RESONANT SPIRAL RESONATORS**  
[54] **MINI-FILTRES SUPRACONDUCTEURS A HAUTE TEMPERATURE, A RESONATEURS EN SPIRALE AUTORESONANTS**  
[72] SHEN, ZHI-YUAN, US  
[71] E.I. DU PONT DE NEMOURS AND COMPANY, US  
[85] 2000-10-23  
[86] 1999-05-12 (PCT/US99/10355)  
[87] 1999-12-16 (WO99/65102)  
[30] US (09/079,467) 1998-05-15

[21] **2,330,095**  
[13] A1

[51] **Int.Cl. 6C07D 405/12 6C07D 401/12 6A61K 31/35 6A61K 31/44 6A61K 31/445**  
[25] EN  
[54] **SUBSTITUTED ARYL HYDROXAMIC ACIDS AS METALLOPROTEINASE INHIBITORS**  
[54] **ACIDES HYDROXAMIQUES A SUBSTITUTION ARYLE EN TANT QU'INHIBITEURS DE METALLOPROTEINASE**  
[72] XUE, CHU-BIAO, US  
[72] DECICCO, CARL P., US  
[72] WEXLER, RUTH R., US  
[71] DUPONT PHARMACEUTICALS COMPANY, US  
[85] 2000-10-23  
[86] 1999-05-12 (PCT/US99/10358)  
[87] 1999-11-18 (WO99/58528)  
[30] US (60/085,393) 1998-05-14

[21] **2,330,097**  
[13] A1

[51] **Int.Cl. 6H01R 13/53**  
[25] EN  
[54] **SAFE-OPERATING LOAD REDUCING TAP PLUG AND METHOD FOR USING THE SAME**  
[54] **PRISE DE DERIVATION PROTEGEE, REDUCTRICE DE CHARGE, ET PROCEDE D'UTILISATION CORRESPONDANT**  
[72] TINTLE, ROBERT, US  
[72] SCULL, DOUGLAS, US  
[71] HUBBELL INCORPORATED, US  
[85] 2000-10-23  
[86] 1999-04-21 (PCT/US99/08859)  
[87] 1999-10-28 (WO99/54964)  
[30] US (09/065,222) 1998-04-23

[21] **2,330,098**  
[13] A1

[51] **Int.Cl. 6B65D 83/08**  
[25] EN  
[54] **A TISSUE BOX**  
[54] **BOITE DE DISTRIBUTION DE MOUCHOIRS EN PAPIER**  
[72] LENZ, MARTINA, DE  
[72] MENIF, RACHED, DE  
[71] THE PROCTER & GAMBLE COMPANY, US  
[85] 2000-10-23  
[86] 1999-04-23 (PCT/IB99/00737)  
[87] 1999-11-04 (WO99/55599)  
[30] EP (98870093.6) 1998-04-28

[21] **2,330,099**  
[13] A1

[51] **Int.Cl. 6B21B 37/54**  
[25] EN  
[54] **STECKEL HOT ROLLING MILL**  
[54] **LAMINOIR A CHAUD STECKEL**  
[72] JEPSEN, OLAF NORMAN, DE  
[72] SUDAU, PETER, DE  
[71] SMS SCHLOEMANN-SIEMAG AKTIENGESELLSCHAFT, DE  
[85] 2000-10-23  
[86] 1999-04-20 (PCT/EP99/02652)  
[87] 1999-11-04 (WO99/55474)  
[30] DE (198 18 207.4) 1998-04-23

[21] **2,330,100**  
[13] A1

[51] **Int.Cl. 6G01N 33/543 6G01N 33/558**  
[25] EN  
[54] **LIGAND BINDING ASSAY AND KIT WITH A SEPARATION ZONE FOR DISTURBING ANALYTES**  
[54] **DOSAGE ET KIT DE LIAISON PAR LIGANDS, AVEC UNE ZONE DE SEPARATION POUR DES ANALYTES PERTURBATEURS**  
[72] LONNBERG, MARIA, SE  
[72] CARLSSON, JAN, SE  
[71] PHARMACIA & UPJOHN DIAGNOSTICS AB, SE  
[85] 2000-10-23  
[86] 1999-04-30 (PCT/SE99/00722)  
[87] 1999-11-25 (WO99/60402)  
[30] SE (9801563-9) 1998-04-30

[21] **2,330,101**  
[13] A1

[51] **Int.Cl. 6C09J 123/08 6C09J 153/00 6C09J 151/06 6B32B 27/12 6B32B 27/32**  
[25] EN  
[54] **ADHESIVE COMPOSITIONS BASED ON BLENDS OF GRAFTED POLYETHYLENES AND NON-GRAFTED POLYETHYLENES AND STYRENE CONTAINING RUBBER**  
[54] **COMPOSITIONS ADHESIVES A BASE DE MELANGES DE POLYETHYLENES GREFFES ET DE POLYETHYLENE NON GREFFES ET DE CAOUTCHOUC CONTENANT DU STYRENE**  
[72] LEE, I-HWA, US  
[71] E.I. DU PONT DE NEMOURS AND COMPANY, US  
[85] 2000-10-23  
[86] 1999-06-18 (PCT/US99/13868)  
[87] 1999-12-23 (WO99/66002)  
[30] US (60/089,855) 1998-06-19  
[30] US (09/334,329) 1999-06-16

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| <p style="text-align: center;">[21] <b>2,330,102</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 6B62M 3/00 6F16J 7/00</b><br/>[25] EN<br/>[54] <b>TETRAHELICAL/CURVED BICYCLE CRANK ARM/CONNECTING ROD</b><br/>[54] <b>MANIVELLE/BIELLE DE BICYCLETTE TETRAHELICOIDALE/COURBEE</b><br/>[72] KARSDON, JEFFREY, US<br/>[71] KARSDON, JEFFREY, US<br/>[85] 2000-10-23<br/>[86] 1998-08-07 (PCT/US98/16487)<br/>[87] 1999-10-28 (WO99/54193)<br/>[30] US (09/064,346) 1998-04-22</p>   | <p style="text-align: center;">[21] <b>2,330,105</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 6E21B 33/04</b><br/>[25] EN<br/>[54] <b>METHOD AND APPARATUS FOR SEALING BETWEEN CASING AND WELLHEAD CONNECTOR STRUCTURE</b><br/>[54] <b>PROCEDE ET APPAREIL SERVANT A FORMER UN JOINT ETANCHE ENTRE UN TUBAGE ET UNE STRUCTURE DE CONNECTEUR DE TETE DE Puits</b><br/>[72] KOLEILAT, BASHIR M., US<br/>[72] CAIN, DAVID E., US<br/>[71] FMC CORPORATION, US<br/>[85] 2000-10-23<br/>[86] 1999-05-07 (PCT/US99/10117)<br/>[87] 1999-11-18 (WO99/58813)<br/>[30] US (60/084,750) 1998-05-08<br/>[30] US (09/306,525) 1999-05-07</p>  | <p style="text-align: center;">[21] <b>2,330,107</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 6B03C 1/034 6B03C 1/033 6B01D 35/06</b><br/>[25] EN<br/>[54] <b>A MAGNETIC FILTRATION SYSTEM</b><br/>[54] <b>SYSTEME DE FILTRATION MAGNETIQUE</b><br/>[72] MARLOWE, JOHN, GB<br/>[71] MARLOWE, JOHN, GB<br/>[85] 2000-10-23<br/>[86] 1999-05-10 (PCT/GB99/01462)<br/>[87] 1999-11-18 (WO99/58247)<br/>[30] GB (9809902.1) 1998-05-08</p>  |
| <p style="text-align: center;">[21] <b>2,330,103</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 6H02K 15/00 6H01R 39/04 6H01R 39/06 6H01R 43/06 6H02K 15/12 6H01R 39/16</b><br/>[25] EN<br/>[54] <b>CARBON COMMUTATOR</b><br/>[54] <b>COLLECTEUR A LAMES DE CARBONE</b><br/>[72] BAUER, WILLIAM A., US<br/>[72] ZIEGLER, WILLIAM E., US<br/>[71] MCCORD WINN TEXTRON, INC., US<br/>[85] 2000-10-23<br/>[86] 1999-04-30 (PCT/US99/09579)<br/>[87] 1999-11-11 (WO99/57797)<br/>[30] US (09/070,977) 1998-05-01</p>           | <p style="text-align: center;">[21] <b>2,330,106</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 6A61F 13/15</b><br/>[25] EN<br/>[54] <b>METHOD OF MAKING SANITARY NAPKIN COMPRISING THREE DIMENSIONALLY SHAPED TUBE OF ABSORBENT MATERIAL</b><br/>[54] <b>REALISATION D'UNE SERVIETTE HYGIENIQUE COMPORTANT UN TUBE DE FORME TRIDIMENSIONNELLE EN MATIERE ABSORBANTE</b><br/>[72] MCFALL, RONALD RAY, US<br/>[72] GANN, DIANE LYNN, US<br/>[72] NOEL, JOHN RICHARD, US<br/>[72] HAMMONS, JOHN LEE, US<br/>[71] THE PROCTER &amp; GAMBLE COMPANY, US<br/>[85] 2000-10-23<br/>[86] 1999-04-22 (PCT/US99/08484)<br/>[87] 1999-11-04 (WO99/55271)<br/>[30] US (09/067,197) 1998-04-27</p> | <p style="text-align: center;">[21] <b>2,330,108</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 6C07D 417/12 6C07D 279/12 6C07D 401/12 6C07D 207/16 6A61K 31/40 6A61K 31/54</b><br/>[25] EN<br/>[54] <b>NOVEL SUBSTITUTED ARYL HYDROXAMIC ACIDS AS METALLOPROTEINASE INHIBITORS</b><br/>[54] <b>NOUVEAUX ACIDES HYDROXAMIQUES A SUBSTITUTION ARYLE EN TANT QU'INHIBITEURS DE METALLOPROTEINASE</b><br/>[72] VOSS, MATTHEW E., US<br/>[72] WEXLER, RUTH R., US<br/>[72] DECICCO, CARL P., US<br/>[71] DUPONT PHARMACEUTICALS COMPANY, US<br/>[85] 2000-10-23<br/>[86] 1999-05-12 (PCT/US99/10357)<br/>[87] 1999-11-18 (WO99/58531)<br/>[30] US (60/085,394) 1998-05-14</p> |
| <p style="text-align: center;">[21] <b>2,330,104</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 6A01N 1/02 6C12M 3/00 6C12P 19/34</b><br/>[25] EN<br/>[54] <b>CREATION OF THREE-DIMENSIONAL TISSUES</b><br/>[54] <b>CREATION DE TISSUS TRIDIMENSIONNELS</b><br/>[72] HOLDER, WALTER D., JR., US<br/>[72] HALBERSTADT, CRAIG R., US<br/>[71] CHARLOTTE-MECKLENBERG HOSPITAL AUTHORITY, US<br/>[85] 2000-10-23<br/>[86] 1999-04-09 (PCT/US99/07816)<br/>[87] 1999-10-21 (WO99/52356)<br/>[30] US (09/058,619) 1998-04-09</p> | <p style="text-align: center;">[21] <b>2,330,111</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 6C07F 9/40 6A61K 31/44 6C07F 9/58 6A61K 31/66 6C07D 213/75</b><br/>[25] EN<br/>[54] <b>PHOSPHONIC DIESTER DERIVATIVES</b><br/>[54] <b>DERIVES DE DIESTER PHOSPHONIQUE</b><br/>[72] INOUE, YASUHIKO, JP<br/>[72] TSUDA, YOSHIHIKO, JP<br/>[72] KAWAMURA, KENICHI, JP<br/>[72] MIYATA, KAZUYOSHI, JP<br/>[72] SAKAI, YASUHIRO, JP<br/>[71] OTSUKA PHARMACEUTICAL FACTORY, INC., JP<br/>[85] 2000-10-23<br/>[86] 1999-04-12 (PCT/JP99/02114)<br/>[87] 1999-11-04 (WO99/55713)<br/>[30] JP (10/115536) 1998-04-24</p>   |   |

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[21] **2,330,113**  
[13] A1

[51] **Int.Cl. 6H02K 21/24 6H02K 3/26**  
[25] EN  
[54] **ROTARY ELECTRICAL MACHINES**  
[54] **MACHINES ELECTRIQUES TOURNANTES**  
[72] PULLEN, KEITH ROBERT, GB  
[71] THE TURBO GENSET COMPANY LIMITED, GB  
[85] 2000-10-23  
[86] 1999-04-23 (PCT/GB99/01254)  
[87] 1999-11-04 (WO99/56380)  
[30] GB (9808721.6) 1998-04-23  
[30] GB (9826365.0) 1998-12-01

[21] **2,330,115**  
[13] A1

[51] **Int.Cl. 6G06K 9/20 6A61B 5/117**  
[25] EN  
[54] **SYSTEM FOR CONTACTLESS RECOGNITION OF HAND AND FINGER LINES**  
[54] **SYSTEME POUR LA RECONNAISSANCE SANS CONTACT DES LIGNES DE LA MAIN ET DES DOIGTS**  
[72] EINIGHAMMER, JENS, DE  
[72] EINIGHAMMER, HANS J., DE  
[72] HAUKE, RUDOLF, DE  
[71] TST-TOUCHLESS SENSOR TECHNOLOGY AG, DE  
[85] 2000-10-23  
[86] 1999-04-21 (PCT/DE99/01204)  
[87] 1999-11-04 (WO99/56237)  
[30] DE (198 18 229.5) 1998-04-24

[21] **2,330,116**  
[13] A1

[51] **Int.Cl. 6C08K 3/00 6C08J 7/04**  
[25] EN  
[54] **PATTERNED ARTICLE HAVING ALTERNATING HYDROPHILIC AND HYDROPHOBIC SURFACE REGIONS**  
[54] **ARTICLE A MOTIFS COMPRENANT DES ZONES DE SURFACE ALTERNEES HYDROPHILES ET HYDROPHOBES**  
[72] FONG, BETTIE C., US  
[72] ZHU, DONG-WEI, US  
[72] KO, JOHN H., US  
[72] HUANG, TZU-LI J., US  
[71] 3M INNOVATIVE PROPERTIES COMPANY, US  
[85] 2000-10-23  
[86] 1999-04-29 (PCT/US99/09308)  
[87] 1999-11-11 (WO99/57185)  
[30] US (09/071,968) 1998-05-04

[21] **2,330,117**  
[13] A1

[51] **Int.Cl. 6C08F 289/00 6C08F 251/02 6C08H 5/02 6C12P 7/22**  
[25] EN  
[54] **METHOD FOR GRAFTING LIGNIN, POLYMERIZATES PRODUCED ACCORDING TO THE METHOD AND THE UTILIZATION THEREOF**  
[54] **PROCEDE DE GREFFAGE DE LIGNINE, POLYMERISATS OBTENUS A L'AIDE DUDIT PROCEDE ET LEUR UTILISATION**  
[72] HUTTERMANN, ALOYS, DE  
[72] MAI, CARSTEN, DE  
[71] STOCKHAUSEN GMBH & CO. KG, DE  
[85] 2000-10-23  
[86] 1998-12-17 (PCT/EP98/08279)  
[87] 1999-06-24 (WO99/31155)  
[30] DE (197 56 172.1) 1997-12-17

[21] **2,330,119**  
[13] A1

[51] **Int.Cl. 6B01L 11/00 6B01L 3/02**  
[25] EN  
[54] **SYSTEM FOR PERFORMING ASSAYS ON A LEVITATED DROPLET**  
[54] **SYSTEME POUR LA CONDUITE D'ANALYSES SUR UNE GOUTTELETTE SOUMISE A L'ACTION D'UN LEVITATEUR**  
[72] LAURELL, THOMAS, SE  
[72] NILSSON, JOHAN, SE  
[72] SANTESSON, SABINA, SE  
[72] THURMOND, ROBIN, US  
[72] PATEL, LEKHA, US  
[72] NILSSON, STAFFAN, SE  
[72] ZIVIN, ROBERT, US  
[71] ORTHO-MCNEIL PHARMACEUTICAL, INC., US  
[85] 2000-10-23  
[86] 1999-03-04 (PCT/IB99/00447)  
[87] 1999-09-10 (WO99/44746)  
[30] US (60/076,769) 1998-03-04

[21] **2,330,120**  
[13] A1

[51] **Int.Cl. 6D21F 11/00**  
[25] EN  
[54] **EFFECTIVE UTILIZATION OF SAP IN PRODUCING NON-WOVEN WEBS USING THE FOAM PROCESS**  
[54] **UTILISATION EFFICACE DE POLYMERES SUPERABSORBANTS (SAP) DANS LA PRODUCTION DE BANDES CONTINUES NON TISSEES SELON LE PROCEDE A LA MOUSSE**  
[72] LAINE, EINO, FI  
[72] JANSSON, JUHANI, FI  
[72] ROKMAN, KAY, FI  
[71] AHLSTROM PAPER GROUP OY, FI  
[85] 2000-10-23  
[86] 1999-04-29 (PCT/FI99/00356)  
[87] 1999-11-11 (WO99/57368)  
[30] US (09/069,957) 1998-04-30

[21] **2,330,121**  
[13] A1

[51] **Int.Cl. 6F16C 29/06**  
[25] EN  
[54] **LINEAR MOTION BEARING ASSEMBLY WITH INTEGRAL PERFORMANCE ENHANCING FEATURES**  
[54] **PATIN A MOUVEMENT LINEAIRE INTEGRANT DES DISPOSITIFS AMELIORANT LES PERFORMANCES**  
[72] GREENFIELD, THOMAS F., US  
[72] WEISS, WALTER W., US  
[72] NG, ALISON, US  
[72] KIM, ERIC, US  
[72] LYON, GREGORY S., US  
[71] THOMSON INDUSTRIES, INC., US  
[85] 2000-10-23  
[86] 1999-04-29 (PCT/US99/09320)  
[87] 1999-11-04 (WO99/56026)  
[30] US (60/083,555) 1998-04-29

[21] **2,330,122**  
[13] A1

[51] **Int.Cl. 7H04N 1/053**  
[25] EN  
[54] **LASER PATTERN GENERATOR**  
[54] **GENERATEUR DE MOTIFS LASER**  
[72] BOHAN, MICHAEL J., US  
[72] ALLEN, PAUL C., US  
[72] GREEN, MORRIS H., US  
[72] HAMAKER, HENRY CHRISTOPHER, US  
[71] ETEC SYSTEMS, INC., US  
[85] 2000-10-23  
[86] 2000-03-17 (PCT/US00/07276)  
[87] 2000-09-28 (WO00/57629)  
[30] US (09/273,115) 1999-03-19

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[21] **2,330,123**  
[13] A1  
[51] **Int.Cl. 7H01B 5/14 7B32B 7/02 7H01L 31/04 7C23C 14/08 7C23C 14/34**  
[25] EN  
[54] **TRANSPARENT CONDUCTIVE LAMINATE, ITS MANUFACTURING METHOD, AND DISPLAY COMPRISING TRANSPARENT CONDUCTIVE LAMINATE**  
[54] **STRATIFIE CONDUCTEUR TRANSPARENT, SON PROCEDE DE FABRICATION, ET DISPOSITIF D’AFFICHAGE COMPRENANT CE STRATIFIE CONDUCTEUR TRANSPARENT**  
[72] TSUBOI, SEIJI, JP  
[72] HARA, HIROSHI, JP  
[71] TEIJIN LIMITED, JP  
[85] 2000-10-23  
[86] 2000-02-23 (PCT/JP00/01033)  
[87] 2000-08-31 (WO00/51139)  
[30] JP (11/46156) 1999-02-24

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[21] **2,330,124**  
[13] A1  
[51] **Int.Cl. 6B01J 19/00**  
[25] EN  
[54] **METHOD OF SYNTHESIZING A PLURALITY OF PRODUCTS**  
[54] **PROCEDE DE SYNTHESE D’UNE PLURALITE DE PRODUITS**  
[72] CORLESS, ANTHONY ROBERT, GB  
[71] CENTRAL RESEARCH LABORATORIES LIMITED, GB  
[85] 2000-10-23  
[86] 1999-04-26 (PCT/GB99/01281)  
[87] 1999-11-04 (WO99/55456)  
[30] GB (9808783.6) 1998-04-25

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[21] **2,330,125**  
[13] A1  
[51] **Int.Cl. 6E04B 2/70 6E04G 21/00**  
[25] EN  
[54] **APPARATUS AND METHODS OF FORMING A CURVED STRUCTURE**  
[54] **APPAREIL ET PROCEDE DE FORMATION D’UNE STRUCTURE COURBE**  
[72] WHEELER, FRANKLIN L., US  
[71] FLEX-ABILITY CONCEPTS, L.L.C., US  
[85] 2000-10-23  
[86] 1998-04-24 (PCT/US98/08187)  
[87] 1999-11-04 (WO99/55977)

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[21] **2,330,126**  
[13] A1  
[51] **Int.Cl. 7C21B 3/08**  
[25] EN  
[54] **METHOD FOR GRANULATING AND REDUCING LIQUID SLAG AND DEVICE FOR CARRYING OUT THIS METHOD**  
[54] **PROCEDE PERMETTANT DE GRANULER ET DE FRACTIONNER DES SCORIES LIQUIDES AINSI QUE DISPOSITIF DE MISE EN OEUVRE DUDIT PROCEDE**  
[72] EDLINGER, ALFRED, CH  
[71] "HOLDERBANK" FINANCIERE GLARUS AG, CH  
[85] 2000-10-23  
[86] 2000-02-22 (PCT/AT00/00044)  
[87] 2000-08-31 (WO00/50647)  
[30] AT (A 316/99) 1999-02-24

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[21] **2,330,127**  
[13] A1  
[51] **Int.Cl. 6H04B 10/22**  
[25] EN  
[54] **A DEVICE AND METHOD FOR WIRELESS DATA TRANSMISSION**  
[54] **DISPOSITIF ET PROCEDE POUR LA TRANSMISSION SANS FIL DE DONNEES**  
[72] HEDBERG, ANDERS, SE  
[71] TELEFONAKTIEBOLAGET LM ERICSSON, SE  
[85] 2000-10-23  
[86] 1999-04-19 (PCT/SE99/00617)  
[87] 1999-11-04 (WO99/56417)  
[30] SE (9801443-4) 1998-04-24

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[21] **2,330,128**  
[13] A1  
[51] **Int.Cl. 6A61K 7/26 6A61K 31/35 6A61K 31/355**  
[25] EN  
[54] **FOOD COMPOSITIONS, COMPOSITIONS FOR ORAL CAVITY AND MEDICINAL COMPOSITIONS FOR PREVENTING OR TREATING PERIODONTOSIS AND METHOD FOR PREVENTING OR TREATING PERIODONTOSIS**  
[54] **COMPOSITIONS ALIMENTAIRES, COMPOSITIONS ORALES ET COMPOSITIONS MEDICINALES SERVANT A PREVENIR OU TRAITER LA PARODONTOSE ET PROCEDE DE PREVENTION OU DE TRAITEMENT DE LA PARODONTOSE**  
[72] SEKIMOTO, YUKIYO, JP  
[71] SUNSTAR INC., JP  
[85] 2000-10-23  
[86] 1999-04-23 (PCT/JP99/02179)  
[87] 1999-11-04 (WO99/55298)  
[30] JP (10/115201) 1998-04-24

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[21] **2,330,129**  
[13] A1  
[51] **Int.Cl. 6H04Q 7/38**  
[25] EN  
[54] **METHOD AND APPARATUS FOR CONTROL OF SOFT HANDOFF USAGE IN RADIOCOMMUNICATION SYSTEMS**  
[54] **PROCEDE ET APPAREIL POUR COMMANDER L’UTILISATION DU TRANSFERT SANS COUPURE DANS DES SYSTEMES DE COMMUNICATIONS RADIO**  
[72] HOGAN, BILLY, SE  
[72] CORBETT, EDDIE, SE  
[71] TELEFONAKTIEBOLAGET LM ERICSSON, SE  
[85] 2000-10-23  
[86] 1999-04-27 (PCT/SE99/00687)  
[87] 1999-11-11 (WO99/57934)  
[30] US (09/069,765) 1998-04-30

## Demandes PCT entrant en phase nationale

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|---|--|---|
| <p style="text-align: right;">[21] <b>2,330,130</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 6C02F 1/56</b><br/>[25] EN<br/>[54] <b>USE OF POLYMER DISPERSIONS FOR PAPER MILL COLOR REMOVAL</b><br/>[54] <b>UTILISATION DE DISPERSIONS DE POLYMERES POUR L'ELIMINATION DE COULEUR DANS LES EAUX RESIDUAIRES DE FABRIQUES DE PAPIER</b><br/>[72] SHAH, JITENDRA, US<br/>[72] METZGAR, RICHARD E., US<br/>[71] NALCO CHEMICAL COMPANY, US<br/>[85] 2000-10-23<br/>[86] 1999-04-22 (PCT/US99/08897)<br/>[87] 1999-11-04 (WO99/55625)<br/>[30] US (09/065,773) 1998-04-24</p> | <p style="text-align: right;">[21] <b>2,330,133</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 6G06F 3/00</b><br/>[25] EN<br/>[54] <b>PEN BASED EDIT CORRECTION INTERFACE METHOD AND APPARATUS</b><br/>[54] <b>PROCEDE ET APPAREIL D'INTERFACE DE CORRECTION D'EDITION A STYLET</b><br/>[72] MAXTED, SEAN KENNETH, CA<br/>[71] NATURAL INPUT SOLUTIONS INC., CA<br/>[85] 2000-10-23<br/>[86] 1999-04-23 (PCT/CA99/00325)<br/>[87] 1999-11-04 (WO99/56198)<br/>[30] US (60/082,946) 1998-04-24<br/>[30] US (60/113,352) 1998-12-21</p>  | <p style="text-align: right;">[21] <b>2,330,308</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 7C10G 45/02</b><br/>[25] EN<br/>[54] <b>THREE STAGE COCURRENT LIQUID AND VAPOR HYDROPROCESSING</b><br/>[54] <b>HYDROCRAQUAGE A TROIS ETAGES DE VAPEUR ET DE LIQUIDES A ECOULEMENT COCOURANT</b><br/>[72] LEWIS, WILLIAM ERNEST, US<br/>[72] ELLIS, EDWARD STANLEY, US<br/>[72] GUPTA, RAMESH, US<br/>[72] DANKWORTH, DAVID CHARLES, US<br/>[71] EXXON RESEARCH AND ENGINEERING COMPANY, US<br/>[85] 2000-10-24<br/>[86] 1999-04-30 (PCT/US99/09643)<br/>[87] 1999-11-11 (WO99/57227)<br/>[30] US (09/073,412) 1998-05-06</p> |
| <p style="text-align: right;">[21] <b>2,330,131</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 6A61K 38/09 6A61K 31/135</b><br/>[25] EN<br/>[54] <b>METHOD FOR THE TREATMENT OF FERTILITY DISORDERS</b><br/>[54] <b>METHODE DE TRAITEMENT DE TROUBLES DE LA FERTILITE</b><br/>[72] ENGEL, JURGEN, DE<br/>[72] RIETHMULLER-WINZEN, HILDE, DE<br/>[72] REISSMANN, THOMAS, DE<br/>[71] ASTA MEDICA AKTIENGESELLSCHAFT, DE<br/>[85] 2000-10-23<br/>[86] 1999-03-29 (PCT/EP99/02133)<br/>[87] 1999-11-04 (WO99/55357)<br/>[30] US (60/082,743) 1998-04-23</p>                    | <p style="text-align: right;">[21] <b>2,330,134</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 6A61M 29/00 6A61M 5/32</b><br/>[25] EN<br/>[54] <b>ENHANCED BALLOON DILATATION SYSTEM</b><br/>[54] <b>SYSTEME DE DILATATION A BALLONNET PERFECTIONNE</b><br/>[72] ISCHINGER, THOMAS, DE<br/>[72] LIEBER, GLEN L., US<br/>[72] SOLAR, RONALD J., US<br/>[71] MEDGINATION, INC., US<br/>[85] 2000-10-23<br/>[86] 1999-05-14 (PCT/US99/10785)<br/>[87] 1999-11-25 (WO99/59667)<br/>[30] US (60/085,636) 1998-05-15</p>   | <p style="text-align: right;">[21] <b>2,330,309</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 6A61N 1/04 6A61N 1/32</b><br/>[25] EN<br/>[54] <b>ELECTRIC THERAPEUTIC DEVICE</b><br/>[54] <b>DISPOSITIF THERAPEUTIQUE ELECTRIQUE</b><br/>[72] KORENAGA, TETSUYA, JP<br/>[71] KORENAGA, TETSUYA, JP<br/>[85] 2000-10-24<br/>[86] 1999-02-25 (PCT/JP99/00911)<br/>[87] 2000-08-31 (WO00/50118)</p>  |
| <p style="text-align: right;">[21] <b>2,330,132</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 6A47K 10/32</b><br/>[25] EN<br/>[54] <b>PUMP-FREE DOSING DEVICE FOR FLOWABLE MEDIA</b><br/>[54] <b>DISPOSITIF DE DOSAGE SANS POMPE POUR MILIEUX APRES A L'ECOULEMENT</b><br/>[72] PFLUGER, TONI, CH<br/>[72] LOERTSCHER, ULRICH, CH<br/>[71] KUYUS-STIFTUNG, LI<br/>[85] 2000-10-23<br/>[86] 1999-04-22 (PCT/CH99/00164)<br/>[87] 1999-10-28 (WO99/53815)<br/>[30] CH (919/98) 1998-04-22</p>  | <p style="text-align: right;">[21] <b>2,330,280</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 6H04B 7/26 6H04J 3/06 6G01S 5/06</b><br/>[25] EN<br/>[54] <b>ABSOLUTE TIME SYNCHRONIZATION FOR MOBILE POSITIONING IN A CELLULAR COMMUNICATIONS SYSTEM</b><br/>[54] <b>SYNCHRONISATION EN TEMPS ABSOLU POUR LA LOCALISATION DE TERMINAUX MOBILES DANS UN SYSTEME DE COMMUNICATION CELLULAIRE</b><br/>[72] LINDQVIST, DAN ANDERS, SE<br/>[71] TELEFONAKTIEBOLAGET LM ERICSSON, SE<br/>[85] 2000-10-24<br/>[86] 1999-04-09 (PCT/SE99/00579)<br/>[87] 1999-11-04 (WO99/56413)<br/>[30] US (09/065,771) 1998-04-24</p> | <p style="text-align: right;">[21] <b>2,330,310</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 6A47C 23/06 6A47C 23/00 6A47C 19/02</b><br/>[25] EN<br/>[54] <b>SUPPORT STRUCTURES AND METHODS OF FABRICATING SUPPORT STRUCTURES</b><br/>[54] <b>STRUCTURES DE SUPPORT ET LEURS PROCEDES DE FABRICATION</b><br/>[72] VIVEIROS, WALTER M., CA<br/>[72] LOBERG, DWAYNE D., CA<br/>[71] VIVEIROS, WALTER M., CA<br/>[71] LOBERG, DWAYNE D., CA<br/>[85] 2000-10-24<br/>[86] 1999-04-21 (PCT/CA99/00354)<br/>[87] 1999-11-04 (WO99/55201)<br/>[30] US (09/066,135) 1998-04-24</p>  |

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[21] **2,330,316**  
[13] A1

[51] **Int.Cl. 6C10G 65/12 6C10G 45/00 6C10G 47/00 6C10G 65/00 6C10G 65/02**  
[25] EN  
[54] **COMBINATION COCURRENT AND COUNTERCURRENT STAGED HYDROPROCESSING WITH A VAPOR STAGE**  
[54] **HYDROTRAITEMENT A ETAGES COMBINES A COCOURANT ET A CONTRE-COURANT AVEC ETAGE DE VAPEUR**  
[72] SCHORFHEIDE, JAMES JOHN, US  
[72] ELLIS, EDWARD STANLEY, US  
[72] IACCINO, LARRY LEE, US  
[72] JUNG, HENRY, US  
[72] GUPTA, RAMESH, US  
[71] EXXON RESEARCH AND ENGINEERING COMPANY, US  
[85] 2000-10-24  
[86] 1999-05-05 (PCT/US99/09952)  
[87] 1999-11-11 (WO99/57231)  
[30] US (09/073,414) 1998-05-06

[21] **2,330,317**  
[13] A1

[51] **Int.Cl. 6C09J 7/02 6G09F 3/02**  
[25] EN  
[54] **TAMPER-INDICATING ARTICLE FOR REUSABLE SUBSTRATES**  
[54] **ARTICLE FORMANT SCEAU DE SECURITE POUR SUBSTRATS REUTILISABLES**  
[72] JUNG, DIETER, US  
[72] LUDWIG, PAULINE E., US  
[71] MINNESOTA MINING AND MANUFACTURING COMPANY, US  
[85] 2000-10-24  
[86] 1999-02-19 (PCT/US99/03695)  
[87] 1999-11-04 (WO99/55791)  
[30] US (09/067,250) 1998-04-27

[21] **2,330,318**  
[13] A1

[51] **Int.Cl. 6A61K 6/00 6C07H 1/00 6C07H 3/00 6C07H 11/00 6C07H 15/00 6C07H 17/00 6A61K 7/00 6A61K 47/00 6A61K 7/06 6A61K 9/14 6A61K 9/16 6A61K 9/50 6A61K 31/74**  
[25] EN  
[54] **DERIVATIVES OF ARABINOGALACTAN AND COMPOSITIONS INCLUDING THE SAME**  
[54] **DERIVES DE L'ARABINOGALACTANE ET COMPOSITIONS LES CONTENANT**  
[72] WESTMAN, MORTON A., US  
[72] MAK, CHEW-HUNG, US  
[72] FINNEY, MICHAEL LYNN, US  
[72] LAMB, RICHARD DALE, US  
[71] LAREX, INC., US  
[85] 2000-10-24  
[86] 1999-04-27 (PCT/US99/08951)  
[87] 1999-11-04 (WO99/55736)  
[30] US (60/083,110) 1998-04-27

[21] **2,330,319**  
[13] A1

[51] **Int.Cl. 6G01K 3/04**  
[25] EN  
[54] **TIME-TEMPERATURE INTEGRATING INDICATOR DEVICE WITH BARRIER MATERIAL**  
[54] **INDICATEUR TEMPS-TEMPERATURE A MATERIAU SERVANT DE BARRIERE**  
[72] YARUSSO, DAVID J., US  
[72] QIU, JEAN, US  
[72] NOYOLA, JOAN M., US  
[71] MINNESOTA MINING AND MANUFACTURING COMPANY, US  
[85] 2000-10-24  
[86] 1999-03-31 (PCT/US99/07062)  
[87] 1999-11-04 (WO99/56098)  
[30] US (09/069,576) 1998-04-29

[21] **2,330,323**  
[13] A1

[51] **Int.Cl. 6B06B 1/06**  
[25] EN  
[54] **ARRAYS MADE FROM FLEXIBLE TRANSDUCER ELEMENTS**  
[54] **MATRICES D'ELEMENTS TRANSDUCTEURS SOUPLES**  
[72] JADIDIAN, BAHRAM, US  
[72] CORNEJO, IVAN A., US  
[72] SAFARI, A., US  
[72] WINDER, ALAN A., US  
[71] RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY, US  
[71] EXOGEN, INC., US  
[85] 2000-10-24  
[86] 1999-03-26 (PCT/US99/06650)  
[87] 1999-09-30 (WO99/48621)  
[30] US (60/079,428) 1998-03-26

[21] **2,330,326**  
[13] A1

[51] **Int.Cl. 6H01Q 1/12**  
[25] EN  
[54] **ON-GLASS ANTENNA**  
[54] **ANTENNE DE VITRE**  
[72] DISHART, PETER T., US  
[72] SUTARA, STEVE J., US  
[72] MICHELOTTI, DONALD P., US  
[72] BELLI, CHERYL E., US  
[72] WINTER, JOHN A., US  
[71] PPG INDUSTRIES OHIO, INC., US  
[85] 2000-10-24  
[86] 1999-06-09 (PCT/US99/13080)  
[87] 1999-12-23 (WO99/66588)  
[30] US (09/094,805) 1998-06-15

[21] **2,330,328**  
[13] A1

[51] **Int.Cl. 6D06L 1/00**  
[25] EN  
[54] **DRY CLEANING SYSTEM USING DENSIFIED CARBON DIOXIDE AND A SURFACTANT ADJUNCT**  
[54] **SYSTEME DE NETTOYAGE A SEC UTILISANT DU GAZ CARBONIQUE ET UN AUXILIAIRE D'AGENT TENSIOACTIF**  
[72] MURPHY, DENNIS STEPHEN, US  
[71] UNILEVER PLC, GB  
[85] 2000-10-24  
[86] 1999-04-21 (PCT/EP99/02770)  
[87] 1999-11-11 (WO99/57358)  
[30] US (09/072,773) 1998-05-06

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[21] **2,330,330**  
[13] A1

[51] **Int.Cl. 6A61K 9/107 6A61K 9/12 6A61K 31/35**  
[25] EN  
[54] **PHARMACEUTICAL COMPOSITIONS COMPRISING AN AMPHOTERIC SURFACTANT AN ALKOXYLATED CETYL ALCOHOL AND A POLAR DRUG**  
[54] **COMPOSITIONS PHARMACEUTIQUES COMPRENANT UN TENSIOACTIF AMPHOTERE, UN ALCOOL CETYLIQUE ALCOXYLE ET UN MEDICAMENT POLAIRE**  
[72] HAWTIN, BRIAN, GB  
[71] HEWLETT HEALTHCARE LIMITED, GB  
[85] 2000-10-24  
[86] 1999-05-20 (PCT/GB99/01600)  
[87] 1999-12-02 (WO99/60997)  
[30] GB (9810949.9) 1998-05-22

[21] **2,330,334**  
[13] A1

[51] **Int.Cl. 6C10G 47/00 6C10G 9/00 6C10G 11/00 6C10G 15/00 6C10G 17/00 6C10G 31/00 6C10G 45/00 6C10G 65/00 6C10G 69/00 6B01J 8/00 6B01J 10/00 6B01J 8/04 6C10G 49/22**  
[25] EN  
[54] **LIQUID AND VAPOR STAGE HYDROPROCESSING USING ONCE-THROUGH HYDROGEN**  
[54] **HYDROTRAITEMENT A ETAGES LIQUIDES ET VAPEUR AU MOYEN D'UN SEUL PASSAGE D'HYDROGENE**  
[72] MARKLEY, GERALD EDWARD, US  
[72] ELLIS, EDWARD STANLEY, US  
[72] JUNG, HENRY, US  
[72] GUPTA, RAMESH, US  
[71] EXXON RESEARCH AND ENGINEERING COMPANY, US  
[85] 2000-10-24  
[86] 1999-04-30 (PCT/US99/09644)  
[87] 1999-11-11 (WO99/57229)  
[30] US (09/073,415) 1998-05-06

[21] **2,330,336**  
[13] A1

[51] **Int.Cl. 6A61M 25/02 6A61B 17/00 6A61M 39/02 6A61M 39/04**  
[25] EN  
[54] **BURR HOLE RING WITH INTEGRAL LEAD/CATHETER FIXATION DEVICE**  
[54] **BAGUE A ORIFICE DE FRAISE DOTEE D'UN DISPOSITIF DE FIXATION DE FIL/CATHETER SOLIDAIRE**  
[72] BAUDINO, MICHAEL D., US  
[71] MEDTRONIC, INC., US  
[85] 2000-10-24  
[86] 1999-03-29 (PCT/US99/06836)  
[87] 1999-11-04 (WO99/55408)  
[30] US (09/067,974) 1998-04-29

[21] **2,330,337**  
[13] A1

[51] **Int.Cl. 6A61B 17/00**  
[25] EN  
[54] **ADJUSTABLE BLOOD FILTRATION SYSTEM**  
[54] **SYSTEME DE FILTRATION REGLABLE POUR LE SANG**  
[72] AMBRISCO, WILLIAM M., US  
[72] MAAHS, TRACY D., US  
[72] TUROVSKIY, ROMAN, US  
[72] WOOD, TIMOTHY J., US  
[72] MURPHY, RICHARD O., US  
[72] ADDIS, BRUCE S., US  
[71] EMBOL-X, INC., US  
[85] 2000-10-24  
[86] 1999-04-28 (PCT/US99/08947)  
[87] 1999-11-04 (WO99/55236)  
[30] US (09/070,660) 1998-04-29

[21] **2,330,340**  
[13] A1

[51] **Int.Cl. 6C08J 3/03 6C08L 83/04**  
[25] EN  
[54] **DISPERSIONS AND PROCESS FOR MAKING THEM**  
[54] **DISPERSIONS ET LEUR PROCEDE DE FABRICATION**  
[72] DONG, JINSENG, GB  
[72] BINKS, BERNARD PAUL, GB  
[71] S. C. JOHNSON & SON, INC., US  
[85] 2000-10-24  
[86] 1999-05-11 (PCT/US99/10281)  
[87] 1999-11-18 (WO99/58596)  
[30] GB (9810060) 1998-05-11

[21] **2,330,341**  
[13] A1

[51] **Int.Cl. 6G06F 17/60**  
[25] EN  
[54] **SYSTEM AND METHOD FOR INTRADAY NETTING PAYMENT FINALITY**  
[54] **SYSTEME ET PROCEDE PERMETTANT DE FINALISER LE PAIEMENT D'UNE COMPENSATION INTERNE DANS LA JOURNEE**  
[72] PAWELCZYK, JOSEPH S., US  
[72] THOMAS, GEORGE F., US  
[72] COTTON, ROBERT M., US  
[71] THE CLEARING HOUSE SERVICE COMPANY L.L.C., US  
[85] 2000-10-24  
[86] 1999-05-05 (PCT/US99/09698)  
[87] 1999-11-11 (WO99/57665)  
[30] US (60/084,223) 1998-05-05

[21] **2,330,343**  
[13] A1

[51] **Int.Cl. 6D21F 7/00 6G01N 33/34**  
[25] EN  
[54] **METHOD FOR DETERMINING THE DETACHING ANGLE AND/OR THE DETACHING PROFILE OF A PAPER WEB**  
[54] **PROCEDE DE DETERMINATION DE L'ANGLE DE DETACHEMENT ET/OU DU PROFIL DE DETACHEMENT D'UNE BANDE DE PAPIER**  
[72] NIEMI, PERTTI KALEVI, FI  
[71] FOTOCOMP OY, FI  
[85] 2000-10-24  
[86] 1999-04-27 (PCT/FI99/00339)  
[87] 1999-11-25 (WO99/60204)  
[30] FI (980917) 1998-04-27  
[30] FI (982730) 1998-12-17

[21] **2,330,347**  
[13] A1

[51] **Int.Cl. 6B65B 11/02**  
[25] EN  
[54] **METHOD AND APPARATUS FOR STRETCH WRAPPING A LOAD**  
[54] **PROCEDE ET APPAREIL POUR EMBALLER UNE CHARGE SOUS FILM ETIRABLE**  
[72] DEGRASSE, STEVEN E., US  
[72] LANCASTER, PATRICK R., US  
[71] LANTECH MANAGEMENT CORP. AND LANTECH HOLDING CORP. D/B/A LANTECH, INC., US  
[85] 2000-10-24  
[86] 1999-04-21 (PCT/US99/08757)  
[87] 1999-11-04 (WO99/55584)  
[30] US (09/065,616) 1998-04-24



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[21] **2,330,348**  
[13] A1  
[51] **Int.Cl. 6H04L 12/40 6G06F 13/00 6H04L 29/08**  
[25] EN  
[54] **MEDIA MANAGER FOR CONTROLLING AUTONOMOUS MEDIA DEVICES WITHIN A NETWORK ENVIRONMENT**  
[54] **GESTIONNAIRE DE SUPPORTS COMMANDANT DES DISPOSITIFS SUPPORTS AUTONOMES DANS UN ENVIRONNEMENT RESEAU ET GERANT LES FLUX ET FORMATS DES DONNEES TRANSITANT ENTRE LES DISPOSITIFS**  
[72] SMYERS, SCOTT D., US  
[72] LUDTKE, HAROLD A., US  
[72] FAIRMAN, BRUCE, US  
[71] SONY ELECTRONICS INC., US  
[85] 2000-10-24  
[86] 1999-04-29 (PCT/US99/09490)  
[87] 1999-11-18 (WO99/59072)  
[30] US (09/075,047) 1998-05-08

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[21] **2,330,372**  
[13] A1  
[51] **Int.Cl. 6F04B 43/09 6F04B 17/00 6B60B 1/06 6H01L 41/08**  
[25] EN  
[54] **TUBULAR ULTRASONIC TRANSDUCER**  
[54] **TRANSDUCTEUR ULTRASONIQUE TUBULAIRE**  
[72] NILSSON, BO, SE  
[72] DAHLBERG, HAKAN, SE  
[71] ULTRA-SONUS AB, SE  
[85] 2000-10-26  
[86] 1999-05-11 (PCT/SE99/00799)  
[87] 1999-11-18 (WO99/58854)  
[30] US (09/075,833) 1998-05-12

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[21] **2,330,373**  
[13] A1  
[51] **Int.Cl. 6H04M 1/72 6H04Q 11/04**  
[25] EN  
[54] **COMMUNICATIONS WEB FOR PSTN SUBSCRIBERS**  
[54] **RESEAU DE COMMUNICATIONS POUR ABONNES DU RTPC**  
[72] MCINTOSH, P. STUCKEY, US  
[72] TAYLOR, JOHN C. W., US  
[72] SNELLING, RICHARD K., US  
[72] TUCKER, MARK, US  
[71] HOME WIRELESS NETWORKS, INC., US  
[85] 2000-10-26  
[86] 1999-05-19 (PCT/US99/11078)  
[87] 1999-12-02 (WO99/62241)  
[30] US (09/083,726) 1998-05-22

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[21] **2,330,375**  
[13] A1  
[51] **Int.Cl. 6H04Q 11/04 6H04M 1/72**  
[25] EN  
[54] **SPECTRUM MONITORING FOR PSTN SUBSCRIBERS**  
[54] **CONTROLE DU SPECTRE POUR ABONNES RTPC**  
[72] TUCKER, MARK, US  
[72] SNELLING, RICHARD K., US  
[72] MCINTOSH, P. STUCKEY, US  
[72] TAYLOR, JOHN C. W., US  
[71] HOME WIRELESS NETWORKS, INC., US  
[85] 2000-10-26  
[86] 1999-05-19 (PCT/US99/11079)  
[87] 1999-12-02 (WO99/62290)  
[30] US (09/083,464) 1998-05-22

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[21] **2,330,376**  
[13] A1  
[51] **Int.Cl. 6H04N 1/00**  
[25] EN  
[54] **METHOD AND APPARATUS FOR AUTOMATED FACSIMILE MESSAGE CONFIRMATION**  
[54] **TECHNIQUE ET APPAREIL CORRESPONDANT PERMETTANT UNE CONFIRMATION AUTOMATIQUE DE MESSAGE PAR TELECOPIE**  
[72] CHOKSI, HIMANSHU, US  
[72] KUMAR, SIVA V., US  
[71] PHONE.COM, INC., US  
[85] 2000-10-26  
[86] 1999-03-19 (PCT/US99/06173)  
[87] 1999-11-04 (WO99/56459)  
[30] US (09/069,675) 1998-04-29

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[21] **2,330,377**  
[13] A1  
[51] **Int.Cl. 6H04R 7/10 6H04R 19/02**  
[25] EN  
[54] **ACOUSTIC ELEMENT**  
[54] **ELEMENT ACOUSTIQUE**  
[72] KIRJAVAINEN, KARI, FI  
[71] PANPHONICS OY, FI  
[85] 2000-10-26  
[86] 1999-04-26 (PCT/FI99/00337)  
[87] 1999-11-04 (WO99/56498)  
[30] FI (980926) 1998-04-27

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[21] **2,330,378**  
[13] A1  
[51] **Int.Cl. 6D06M 13/148 6D06M 15/03 6D06M 23/06 6D06M 11/13 6D06M 11/155 6D06M 13/184 6D06M 11/56 6D06M 11/65 6D06M 11/76 6D06M 11/82**  
[25] EN  
[54] **WRINKLE REDUCING COMPOSITION**  
[54] **COMPOSITION DE REDUCTION DES PLIS**  
[72] HUBESCH, BRUNO ALBERT JEAN, BE  
[72] THOEN, CHRISTIAAN ARTHUR JACQUES KAMIEL, US  
[72] VERMOTE, CHRISTIAN LEO MARIE, BE  
[72] WOO, RICKY AH-MAN, US  
[71] THE PROCTER & GAMBLE COMPANY, US  
[85] 2000-10-26  
[86] 1998-04-27 (PCT/US98/08127)  
[87] 1999-11-04 (WO99/55949)

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[21] **2,330,380**  
[13] A1  
[51] **Int.Cl. 6D06M 13/148 6D06M 15/03 6D06M 23/06 6D06M 11/13 6D06M 11/155 6D06M 13/184 6D06M 11/56 6D06M 11/65 6D06M 11/76 6D06M 11/82**  
[25] EN  
[54] **WRINKLE REDUCING COMPOSITION**  
[54] **COMPOSITION DE REDUCTION DES PLIS**  
[72] WOO, RICKY AH-MAN, US  
[72] THOEN, CHRISTIAAN ARTHUR JACQUES KAMIEL, US  
[72] VERMOTE, CHRISTIAN LEO MARIE, BE  
[72] HUBESCH, BRUNO ALBERT JEAN, BE  
[71] THE PROCTER & GAMBLE COMPANY, US  
[85] 2000-10-26  
[86] 1998-04-27 (PCT/US98/08129)  
[87] 1999-11-04 (WO99/55950)

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|---|--|---|
| <p style="text-align: center;">[21] <b>2,330,381</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 6H04Q 11/04 6H04M 1/72</b><br/>[25] EN<br/>[54] <b>COMMUNICATIONS WEBS WITH PERSONAL COMMUNICATIONS LINKS FOR PSTN SUBSCRIBERS</b><br/>[54] <b>WEBS DE TELECOMMUNICATIONS AVEC LIAISONS DE TELECOMMUNICATIONS PERSONNELLES POUR DES ABONNES AU RTPC</b><br/>[72] MCINTOSH, P. STUCKEY, US<br/>[72] TAYLOR, JOHN C. W., US<br/>[72] TUCKER, MARK, US<br/>[72] SNELLING, RICHARD K., US<br/>[71] HOME WIRELESS NETWORKS, INC., US<br/>[85] 2000-10-26<br/>[86] 1999-05-12 (PCT/US99/10350)<br/>[87] 1999-12-02 (WO99/62289)<br/>[30] US (09/084,113) 1998-05-22</p> | <p style="text-align: center;">[21] <b>2,330,383</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 7A23L 1/275 7C09B 61/00 7A23K 1/16 7A23K 1/18 7A23L 1/30 7A23L 1/303</b><br/>[25] EN<br/>[54] <b>CAROTENOID AND OTHER ANTI-OXIDANTS EXTRACTION</b><br/>[54] <b>EXTRACTION DE CAROTENOIDES ET D'AUTRES ANTIOXYDANTS</b><br/>[72] DAURY, MARC CEDRIC, CH<br/>[72] JULLERAT, MARCEL ALEXANDRE, CH<br/>[71] SOCIETE DES PRODUITS NESTLE S.A., CH<br/>[85] 2000-10-26<br/>[86] 2000-04-20 (PCT/EP00/03737)<br/>[87] 2000-11-23 (WO00/69284)<br/>[30] EP (99201474.6) 1999-05-12</p>   | <p style="text-align: center;">[21] <b>2,330,385</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 6H04L 12/46 6H04L 12/18</b><br/>[25] EN<br/>[54] <b>ESTABLISHING CONNECTIVITY IN NETWORKS</b><br/>[54] <b>ETABLISSEMENT DE CONNECTIVITE DANS DES RESEAUX</b><br/>[72] MOSS, STEPHEN S., US<br/>[72] EKSTROM, JOSEPH J., US<br/>[72] MCNEILL, THOMAS G., US<br/>[71] INTERNAP NETWORK SERVICES CORPORATION, US<br/>[85] 2000-10-26<br/>[86] 1999-04-22 (PCT/US99/08866)<br/>[87] 1999-11-04 (WO99/56436)<br/>[30] US (09/067,761) 1998-04-27</p>           |
| <p style="text-align: center;">[21] <b>2,330,382</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 6E04H 4/16</b><br/>[25] EN<br/>[54] <b>POOL CLEANER</b><br/>[54] <b>APPAREIL DE NETTOYAGE POUR PISCINES</b><br/>[72] WADMAN, ALEXIS ADRIAN FELIPE, ZA<br/>[72] MOORE, MICHAEL EDWARD, ZA<br/>[72] VAN DER MEYDEN, HENDRIKUS JOHANNES, ZA<br/>[71] ZODIAC POOL CARE, INC., US<br/>[85] 2000-10-26<br/>[86] 1999-05-19 (PCT/US99/11035)<br/>[87] 1999-12-02 (WO99/61727)<br/>[30] ZA (98/04346) 1998-05-22<br/>[30] ZA (98/09806) 1998-10-28<br/>[30] ZA (99/02896) 1999-04-23</p>  | <p style="text-align: center;">[21] <b>2,330,384</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 6C09J 201/10</b><br/>[25] EN<br/>[54] <b>CURE ON DEMAND ADHESIVES AND WINDOW MODULE WITH CURE ON DEMAND ADHESIVE THEREON</b><br/>[54] <b>COLLES DURCISSANT A LA DEMANDE ET MODULE DE VITRE ENDUIT D'UNE TELLE COLLE</b><br/>[72] LIN, RENHE R., US<br/>[72] MAHDI, SYED Z., US<br/>[72] HSIEH, HARRY W., US<br/>[72] HOFFMAN, DWIGHT K., US<br/>[72] PARKER, GORDON M., US<br/>[71] ESSEX SPECIALTY PRODUCTS, INC., US<br/>[71] THE DOW CHEMICAL COMPANY, US<br/>[85] 2000-10-26<br/>[86] 1999-04-27 (PCT/US99/09104)<br/>[87] 1999-11-04 (WO99/55794)<br/>[30] US (60/083,125) 1998-04-27</p> | <p style="text-align: center;">[21] <b>2,330,386</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 6B25J 9/10 6B25J 17/02 6F16H 21/44</b><br/>[25] EN<br/>[54] <b>DEVICE COMPRISING TWO PARALLEL LINKAGE MECHANISMS</b><br/>[54] <b>DISPOSITIF COMPORTANT DEUX MECANISMES ARTICULES PARALLELES</b><br/>[72] FRIEDERICHS, PAUL, NL<br/>[72] VAN PINXTEREN, ADRIANUS, NL<br/>[71] FCI'S-HERTOGENBOSCH B.V., NL<br/>[85] 2000-10-26<br/>[86] 1998-04-29 (PCT/NL98/00239)<br/>[87] 1999-11-04 (WO99/55496)</p>   |
|   |  | <p style="text-align: center;">[21] <b>2,330,387</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 6A61K 35/74</b><br/>[25] EN<br/>[54] <b>TREATMENT OF PAPILLOMA VIRUS INFECTION USING A MYCOBACTERIUM</b><br/>[54] <b>TRAITEMENT D'UNE INFECTION PAR LE VIRUS DU PAPILLOME AU MOYEN DE MICOBACTERIUM</b><br/>[72] BOHLE, ANDREAS, DE<br/>[72] JOCHAM, DIETER, DE<br/>[71] BOHLE, ANDREAS, DE<br/>[71] JOCHAM, DIETER, DE<br/>[85] 2000-10-26<br/>[86] 1999-04-29 (PCT/EP99/02930)<br/>[87] 1999-11-04 (WO99/55347)<br/>[30] US (60/083,450) 1998-04-29</p> |

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[21] **2,330,388**  
[13] A1

[51] **Int.Cl. 6C12P 19/26 6C08B 37/00 6C08F 8/00 6A61L 27/00 6C09D 201/02 6C07H 7/033 6C07H 15/04 6A61K 31/70 6A61K 31/715**  
[25] EN  
[54] **COMPOUNDS HAVING GLUCURONIC ACID DERIVATIVE AND GLUCOSAMINE DERIVATIVE IN STRUCTURE THEREOF, METHOD FOR PRODUCING THE COMPOUNDS, AND USES OF THE COMPOUNDS**  
[54] **COMPOSES DONT LA STRUCTURE COMPORTE DES DERIVES D'ACIDE GLUCURONIQUE ET DES DERIVES DE GLUCOSAMINE, LEUR PROCEDE DE PREPARATION ET D'UTILISATION**  
[72] MORIYAMA, SHIGERU, JP  
[72] SATO, NOBUYUKI, JP  
[72] YATSUKA, NOBUAKI, JP  
[72] NISHIKAWA, MASAZUMI, JP  
[72] TAMAI, TADAKAZU, JP  
[71] MARUHA CORPORATION, JP  
[85] 2000-10-26  
[86] 1999-04-30 (PCT/JP99/02306)  
[87] 1999-11-11 (WO99/57301)  
[30] JP (10/120425) 1998-04-30  
[30] JP (10/273895) 1998-09-28

[21] **2,330,389**  
[13] A1

[51] **Int.Cl. 6A61K 35/14 6A01N 1/00 6A01N 1/02 6A61K 35/18**  
[25] EN  
[54] **METHOD FOR PREPARING A DIAFILTERED STABILIZED BLOOD PRODUCT**  
[54] **METHODE DE PREPARATION D'UN PRODUIT SANGUIN STABILISE PAR DIAFILTRATION**  
[72] SUMMARIA, LOUIS, US  
[72] BERHE, ABERASH, US  
[72] EVEN, MARK, US  
[72] ROTH, NATHAN, US  
[71] AVENTIS BEHRING L.L.C., US  
[85] 2000-10-26  
[86] 1999-02-26 (PCT/US99/03718)  
[87] 1999-11-04 (WO99/55346)  
[30] US (09/066,694) 1998-04-27

[21] **2,330,390**  
[13] A1

[51] **Int.Cl. 6A61K 9/36 6A61K 47/26 6A61K 35/74**  
[25] EN  
[54] **SUGAR COATED TABLETS**  
[54] **COMPRIMES DRAGEIFIES**  
[72] ASANO, YUZO, JP  
[72] SOTOYAMA, KAZUYOSHI, JP  
[72] MIZOTA, TERUHIKO, JP  
[72] MORI, TETSUSHI, JP  
[72] IYAMA, YURIKO, JP  
[71] MORINAGA MILK INDUSTRY CO., LTD., JP  
[85] 2000-10-26  
[86] 1999-01-22 (PCT/JP99/00285)  
[87] 1999-11-11 (WO99/56732)  
[30] JP (10/136009) 1998-04-30

[21] **2,330,391**  
[13] A1

[51] **Int.Cl. 6A61K 47/02 6A61K 31/505 6A61K 31/52 6A61K 31/70**  
[25] EN  
[54] **HOMOGENEOUS PHARMACEUTICAL COMPOSITIONS COMPRISING ABACAVIR, LAMIVUDINE AND ZIDOVUDINE**  
[54] **COMPOSITIONS PHARMACEUTIQUES HOMOGENES COMPORTANT DE L'ABACAVIR, DE LA LAMIDUVINE ET DE LA ZIDOVUDINE**  
[72] CURRIE, ROBIN, US  
[72] JAIN, SUNIL, US  
[72] WOOD, ALLEN WAYNE, US  
[71] GLAXO GROUP LIMITED, GB  
[85] 2000-10-26  
[86] 1999-04-26 (PCT/EP99/02794)  
[87] 1999-11-04 (WO99/55372)  
[30] GB (9809213.3) 1998-04-29

[21] **2,330,392**  
[13] A1

[51] **Int.Cl. 6G01N 27/416 6G01N 27/403**  
[25] EN  
[54] **REPLACEABLE MEASURING ELECTRODE SYSTEM**  
[54] **SYSTEME DE MESURE A ELECTRODES A CORPS DE MESURE REMPLACABLE**  
[72] NORDLING, MAGNUS, SE  
[71] CLL CONNECTORS & CABLES AB, SE  
[85] 2000-10-26  
[86] 1999-04-23 (PCT/SE99/00667)  
[87] 1999-11-11 (WO99/57554)  
[30] SE (9801585-2) 1998-05-06

[21] **2,330,393**  
[13] A1

[51] **Int.Cl. 6G01N 27/416 6G01N 27/403**  
[25] EN  
[54] **DEVICE FOR ELECTROCHEMICAL MEASUREMENT**  
[54] **DISPOSITIF DE MESURE ELECTROCHIMIQUE**  
[72] LINDQVIST, STEN-ERIC, SE  
[72] JOHANSSON, CHRISTER, SE  
[71] CLL CONNECTORS & CABLES AB, SE  
[85] 2000-10-26  
[86] 1999-04-23 (PCT/SE99/00666)  
[87] 1999-11-11 (WO99/57553)  
[30] SE (9801584-5) 1998-05-06

[21] **2,330,415**  
[13] A1

[51] **Int.Cl. 6A61H 3/04**  
[25] EN  
[54] **ORTHOTIC WALKER**  
[54] **APPAREIL DE MARCHE A ORTHESE**  
[72] PALMER, ROY THOMAS, GB  
[71] R.T. PALMER LTD., GB  
[85] 2000-11-08  
[86] 1999-05-07 (PCT/GB99/01445)  
[87] 1999-11-18 (WO99/58093)  
[30] GB (9809755.3) 1998-05-08

[21] **2,330,422**  
[13] A1

[51] **Int.Cl. 6C08K 5/00 6C08K 5/3435 6C08K 5/3492**  
[25] EN  
[54] **METHODS AND COMPOSITIONS FOR PROTECTING POLYMERS FROM UV LIGHT**  
[54] **PROCEDES ET COMPOSITIONS DE PROTECTION DES POLYMERES CONTRE LES RAYONS UV**  
[72] SAMUELS, SARI-BETH, US  
[71] CYTEC TECHNOLOGY CORP., US  
[85] 2000-10-27  
[86] 1999-03-30 (PCT/US99/06862)  
[87] 1999-11-11 (WO99/57189)  
[30] US (09/070,627) 1998-04-30

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[21] **2,330,423**  
[13] A1

[51] **Int.Cl. 6A61F 2/06 6A61B 17/11 6A61B 17/115**  
[25] EN  
[54] **SUTURING MEANS FOR CONNECTING A TUBULAR VASCULAR PROSTHESIS TO A BLOOD VESSEL IN THE BODY IN ADDITION TO BRANCH MEANS, A VASCULAR PROSTHESIS, A DEVICE FOR INSERTING AND SUTURING AVASCULAR PROSTHESIS IN THE BODY, AND A VASCULAR PROSTHESIS SYSTEM**  
[54] **MOYEN DE SUTURE POUR RACCORDER UNE PROTHESE VASCULAIRE TUBULAIRE A UN VAISSEAU SANGUIN DU CORPS ET MOYEN DE RAMIFICATION, PROTHESE VASCULAIRE, DISPOSITIF D'INSERTION ET DE SUTURE D'UNE PROTHESE VASCULAIRE DANS LE CORPS ET SYSTEME DE PROTHESE VASCULAIRE**  
[72] BLOMME, ADRI MARINUS, NL  
[71] BLOMME, ADRI MARINUS, NL  
[85] 2000-10-27  
[86] 1999-04-28 (PCT/NL99/00255)  
[87] 1999-11-04 (WO99/55254)  
[30] NL (1009028) 1998-04-28

[21] **2,330,424**  
[13] A1

[51] **Int.Cl. 6A61K 31/445 6A61K 31/395 6A61K 31/71**  
[25] EN  
[54] **IMPROVED METHOD FOR ERADICATION OF HELICOBACTER PYLORI**  
[54] **METHODE AMELIOREE D'ERADICATION D'HELICOBACTER PYLORI**  
[72] BORODY, THOMAS JULIUS, AU  
[71] BORODY, THOMAS JULIUS, AU  
[85] 2000-10-27  
[86] 1999-04-30 (PCT/AU99/00321)  
[87] 1999-11-11 (WO99/56749)  
[30] AU (PP 3253) 1998-04-30

[21] **2,330,425**  
[13] A1

[51] **Int.Cl. 6F04C 18/12**  
[25] EN  
[54] **ROTARY PISTON BLOWER**  
[54] **SOUFFLANTE A PISTON ROTATIF**  
[72] BARTON, RUSSELL H., CA  
[71] BALLARD POWER SYSTEMS INC., CA  
[85] 2000-10-27  
[86] 1999-05-28 (PCT/CA99/00455)  
[87] 1999-12-09 (WO99/63228)  
[30] US (60/087,312) 1998-05-29

[21] **2,330,426**  
[13] A1

[51] **Int.Cl. 6B23K 26/14 6B23K 26/06**  
[25] EN  
[54] **MATERIAL SHAPING DEVICE WITH A LASER BEAM WHICH IS INJECTED INTO A STREAM OF LIQUID**  
[54] **DISPOSITIF DE FACONNAGE DE MATIERE AVEC UN FAISCEAU LASER INJECTE DANS UN JET DE LIQUIDE**  
[72] RICHERZHAGEN, BERNOLD, CH  
[71] SYNOVA S.A., CH  
[85] 2000-10-27  
[86] 1999-04-30 (PCT/CH99/00180)  
[87] 1999-11-11 (WO99/56907)  
[30] DE (198 19 429.3) 1998-04-30

[21] **2,330,427**  
[13] A1

[51] **Int.Cl. 6B23B 27/16**  
[25] EN  
[54] **A CUTTING TOOL ASSEMBLY AND A CUTTING INSERT FOR USE THEREIN**  
[54] **ENSEMBLE OUTIL DE COUPE ET PLAQUETTE AMOVIBLE DESTINEE A UN TEL ENSEMBLE**  
[72] HECHT, GIL, IL  
[71] ISCAR LTD., IL  
[85] 2000-10-27  
[86] 1999-04-22 (PCT/IL99/00213)  
[87] 1999-11-04 (WO99/55479)  
[30] IL (124282) 1998-04-29

[21] **2,330,428**  
[13] A1

[51] **Int.Cl. 6C07D 501/59 6A61K 31/545**  
[25] EN  
[54] **TREATMENT OF MASTITIS**  
[54] **TRAITEMENT DE LA MAMMITE**  
[72] DAHNKE, KARL ROBERT, US  
[71] ELI LILLY AND COMPANY, US  
[85] 2000-10-27  
[86] 1999-04-20 (PCT/US99/08655)  
[87] 1999-11-04 (WO99/55711)  
[30] US (60/083,662) 1998-04-30

[21] **2,330,429**  
[13] A1

[51] **Int.Cl. 7H04N 7/173**  
[25] EN  
[54] **INFORMATION RECEIVER AND INFORMATION RECEIVING METHOD**  
[54] **RECEPTEUR D'INFORMATION ET PROCEDE DE RECEPTION D'INFORMATION**  
[72] NAGUMO, FUMIO, JP  
[71] SONY CORPORATION, JP  
[85] 2000-10-27  
[86] 2000-03-10 (PCT/JP00/01472)  
[87] 2000-09-14 (WO00/54503)  
[30] JP (11/64416) 1999-03-11

[21] **2,330,430**  
[13] A1

[51] **Int.Cl. 6G01S 13/34**  
[25] EN  
[54] **FM-CW RADAR**  
[54] **RADAR A ONDES CONTINUES MODULEES EN FREQUENCE**  
[72] YAMADA, YUKINORI, JP  
[71] TOYOTA JIDOSHA KUBUSHIKI KAISHA, JP  
[85] 2000-10-27  
[86] 1999-03-24 (PCT/JP99/01484)  
[87] 1999-11-04 (WO99/56147)  
[30] JP (10/118584) 1998-04-28

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[21] **2,330,447**  
[13] A1

[51] **Int.Cl. 6C07D 239/94 6A61K 31/505**  
[25] EN  
[54] **N-(3-ETHYNYLPHENYLAMINO)-6,7-BIS(2-METHOXYETHOXY)-4-QUINAZOLINAMINE MESYLATE ANHYDRATE AND MONOHYDRATE**  
[54] **ANHYDRATE ET MONOHYDRATE DE N-(3-ETHYNYLPHENYLAMINO)-6,7-BIS(2-METHOXYETHOXY)-4-QUINAZOLINAMINE MESYLATE**  
[72] ALLEN, DOUGLAS JOHN  
MELDRUM, US  
[72] NORRIS, TIMOTHY, US  
[72] SHANKER, RAVI MYSORE, US  
[72] RAGGON, JEFFREY WILLIAM, US  
[72] SANTAFIANOS, DINOS PAUL, US  
[71] PFIZER PRODUCTS INC., US  
[85] 2000-10-27  
[86] 1999-04-08 (PCT/IB99/00612)  
[87] 1999-11-04 (WO99/55683)  
[30] US (60/083,441) 1998-04-29

[21] **2,330,448**  
[13] A1

[51] **Int.Cl. 6A61K 47/48**  
[25] EN  
[54] **PEG-LHRH ANALOG CONJUGATES**  
[54] **CONJUGUES D'ANALOGUES DE PEG-LHRH**  
[72] BENTLEY, MICHAEL D., US  
[72] ZHAO, XUAN, US  
[72] EL TAYAR, NABIL, US  
[71] APPLIED RESEARCH SYSTEMS ARS HOLDING N.V., AN  
[85] 2000-10-27  
[86] 1999-04-28 (PCT/US99/09160)  
[87] 1999-11-04 (WO99/55376)  
[30] US (60/083,340) 1998-04-28

[21] **2,330,449**  
[13] A1

[51] **Int.Cl. 6A61F 13/02 6B32B 3/00 6B32B 7/12 6B41M 3/12 6B44C 1/165**  
[25] EN  
[54] **IMAGE TRANSFER SHEETS AND A METHOD OF MANUFACTURING THE SAME**  
[54] **FEUILLES DE TRANSFERT D'IMAGES ET UN DE SES PROCEDES DE PRODUCTION**  
[72] POPAT, GHANSHYAM, US  
[72] MAMMEN, THOMAS, US  
[72] MIEKKA, FREDERICK, US  
[72] SAINT, ANDRE, US  
[72] ATTIA, OMAR, US  
[72] ULRICH, BRETT, US  
[72] SU, SHIAONUNG, US  
[71] AVERY DENNISON CORPORATION, US  
[85] 2000-10-27  
[86] 1999-05-03 (PCT/US99/09737)  
[87] 1999-11-11 (WO99/56682)  
[30] US (09/071,785) 1998-05-01

[21] **2,330,450**  
[13] A1

[51] **Int.Cl. 6A61K 7/30**  
[25] EN  
[54] **BACTERICIDE FOR DETERGENT**  
[54] **BACTERICIDE POUR DETERGENT**  
[72] FUJITANI, TAKEO, JP  
[72] KUBO, MASAHIRO, JP  
[72] KAWASAKI, KOJI, JP  
[71] SHIONOGI & CO., LTD., JP  
[71] KYOWA LIMITED, JP  
[85] 2000-10-27  
[86] 1999-04-19 (PCT/JP99/02055)  
[87] 1999-11-11 (WO99/56714)  
[30] JP (10/120454) 1998-04-30

[21] **2,330,451**  
[13] A1

[51] **Int.Cl. 6A61K 47/48**  
[25] EN  
[54] **POLYOL-IFN-BETA CONJUGATES**  
[54] **CONJUGUES DE POLYOL-IFN BETA**  
[72] SAWLIVICH, WAYNE, US  
[72] ROBERTS, MICHAEL J., US  
[72] HARRIS, MILTON, US  
[72] EL TAYAR, NABIL, US  
[71] APPLIED RESEARCH SYSTEMS ARS HOLDING N.V., AN  
[85] 2000-10-27  
[86] 1999-04-28 (PCT/US99/09161)  
[87] 1999-11-04 (WO99/55377)  
[30] US (60/083,339) 1998-04-28

[21] **2,330,452**  
[13] A1

[51] **Int.Cl. 6C07D 209/08 6C07D 403/12 6C07D 209/34 6A61K 31/40 6C07D 209/42**  
[25] EN  
[54] **ANTI-PSYCHOTIC INDOLYL DERIVATIVES**  
[54] **DERIVES D'INDOLYL PSYCHOTIQUES**  
[72] KANG, YOUNG HEE, US  
[72] KELLY, MICHAEL GERARD, US  
[71] AMERICAN HOME PRODUCTS CORPORATION, US  
[85] 2000-10-27  
[86] 1999-04-28 (PCT/US99/09132)  
[87] 1999-11-04 (WO99/55672)  
[30] US (09/069,129) 1998-04-29

[21] **2,330,453**  
[13] A1

[51] **Int.Cl. 6F16L 9/14**  
[25] EN  
[54] **SAFETY-ENHANCED HEAT TRACING**  
[54] **DISPOSITIF DE RECHAUFFAGE DES CONDUITES A SECURITE AMELIOREE**  
[72] SCHLAMEUS, DAVID L., US  
[72] PITZER, R. KNOX, US  
[72] BARTH, ROY E., US  
[71] THERMON MANUFACTURING COMPANY, US  
[85] 2000-10-27  
[86] 1999-04-28 (PCT/US99/09211)  
[87] 1999-11-04 (WO99/56048)  
[30] US (60/083,320) 1998-04-28

[21] **2,330,455**  
[13] A1

[51] **Int.Cl. 7C08F 10/00 7C08F 4/64**  
[25] EN  
[54] **MONOCYCLOPENTADIENYL BOROHYDRIDE CATALYST COMPOSITION FOR THE POLYMERIZATION OF OLEFINS**  
[54] **COMPOSITION CATALYTIQUE A BASE DE BOROHYDRURE DE MONOCYCLOPENTADIENYLE, DESTINEE A LA POLYMERISATION D'OLEFINS**  
[72] PETERSON, THOMAS H., US  
[71] UNIVATION TECHNOLOGIES LLC, US  
[85] 2000-10-27  
[86] 1999-09-09 (PCT/US99/20621)  
[87] 2000-03-23 (WO00/15675)  
[30] US (09/154,460) 1998-09-16

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[21] **2,330,456**  
[13] A1  
[51] Int.Cl. 6G01V 1/20 6G01V 1/16  
[25] EN  
[54] APPARATUS AND METHOD FOR PLANTING SEISMIC SENSORS  
[54] APPAREIL ET PROCÉDE PERMETTANT DE PLANTER DES CAPTEURS SISMQUES  
[72] CHEN, LORING, US  
[71] INPUT/OUTPUT, INC., US  
[85] 2000-10-27  
[86] 1999-04-28 (PCT/US99/09195)  
[87] 2000-11-02 (WO00/65378)  
[30] US (09/067,206) 1998-04-28

[21] **2,330,458**  
[13] A1  
[51] Int.Cl. 6C07D 239/72 6C07D 217/00 6G06F 19/00 6C07D 217/10 6C07D 215/16 6C07D 217/22  
[25] EN  
[54] METHODS OF IDENTIFYING AND USING HLA BINDING COMPOUNDS AS HLA-AGONISTS AND ANTAGONISTS  
[54] PROCÉDES RELATIFS A L'IDENTIFICATION ET A L'UTILISATION DE COMPOSES SE LIANT AVEC LES MOLECULES HLA, EN TANT QU'AGONISTES OU ANTAGONISTES VIS-A-VIS DU HLA  
[72] LIU, MING, US  
[72] YIN, DAXU, US  
[72] WU, XIONG-WU, US  
[72] KOHLER, NIKLAS, DE  
[72] WANG, SHAOMENG, US  
[72] RICHERT, JOHN R., US  
[71] GEORGETOWN UNIVERSITY, US  
[85] 2000-10-27  
[86] 1999-04-29 (PCT/US99/09218)  
[87] 1999-11-04 (WO99/55682)  
[30] US (60/083,426) 1998-04-29

[21] **2,330,463**  
[13] A1  
[51] Int.Cl. 6B01D 67/00 6B01D 69/02 6C08J 5/22 6G01N 27/333  
[25] EN  
[54] ORGANIC ION-SELECTIVE MEMBRANES  
[54] MEMBRANES ORGANIQUES SELECTIVES D'IONS  
[72] PATKO, MARTIN J., US  
[71] PATKO, MARTIN J., US  
[85] 2000-10-26  
[86] 1999-03-29 (PCT/US99/06832)  
[87] 1999-10-14 (WO99/51330)  
[30] US (09/055,895) 1998-04-06

[21] **2,330,467**  
[13] A1  
[51] Int.Cl. 6C07C 303/34 6C07C 307/02 6C07C 303/24 6C07C 303/26 6C07C 309/65 6C07C 309/84  
[25] EN  
[54] CONVERSION OF A HYDROXY GROUP IN CERTAIN ALCOHOLS INTO A FLUOROSULFONATE ESTER OR A TRIFLUOROMETHYLSULFONATE ESTER  
[54] CONVERSION D'UN GROUPE HYDROXY DANS CERTAINS ALCOOLS EN UN ESTER DE FLUOROSULFONATE OU UN ESTER DE TRIFLUOROMETHYLSULFONATE  
[72] LOEWENTHAL, RON BENJAMIN, IL  
[72] LOEWENTHAL, HANS JACOB, IL  
[71] LOEWENTHAL, RON BENJAMIN, IL  
[71] LOEWENTHAL, HANS JACOB, IL  
[85] 2000-10-26  
[86] 1999-03-24 (PCT/IL99/00165)  
[87] 1999-11-04 (WO99/55666)  
[30] IL (124235) 1998-04-27

[21] **2,330,468**  
[13] A1  
[51] Int.Cl. 6A61B 17/39  
[25] EN  
[54] METHOD AND SYSTEM FOR TRANS-LUMENAL RADIO-FREQUENCY ABLATION THROUGH AN ENDOSCOPE  
[54] PROCÉDE ET SYSTEME POUR L'ABLATION TRANSLUMINALE HAUTE FREQUENCE A TRAVERS UN ENDOSCOPE  
[72] GOLDBERG, NAHUM S., US  
[72] RITTMAN, WILLIAM J., III, US  
[72] COSMAN, ERIC R., US  
[71] GOLDBERG, NAHUM S., US  
[71] RITTMAN, WILLIAM J., III, US  
[71] COSMAN, ERIC R., US  
[85] 2000-10-26  
[86] 1999-04-28 (PCT/US99/09294)  
[87] 1999-11-04 (WO99/55244)  
[30] US (09/067,215) 1998-04-28

[21] **2,330,470**  
[13] A1  
[51] Int.Cl. 6B21D 39/00 6E21B 19/00 6B23P 11/00 6B25B 29/02 6B23P 19/04  
[25] EN  
[54] HIGH TEMPERATURE BOLTING SYSTEM  
[54] SYSTEME DE BOULONNAGE RESISTANT A HAUTES TEMPERATURES  
[72] STEINBOCK, ROLF H., US  
[71] STEINBOCK MACHINERY CO., US  
[85] 2000-10-26  
[86] 1999-04-28 (PCT/US99/09240)  
[87] 1999-12-02 (WO99/61196)  
[30] US (09/067,587) 1998-04-28

[21] **2,330,471**  
[13] A1  
[51] Int.Cl. 6A61K 38/00 6A01N 63/00 6A61K 38/16 6A61K 38/43 6A61K 38/48 6A61K 38/54  
[25] EN  
[54] COMPOSITIONS AND METHODS FOR PREVENTION AND TREATMENT OF UNCONTROLLED FORMATION OF INTRAVASCULAR FIBRIN CLOTS  
[54] COMPOSITIONS ET TECHNIQUES DE PREVENTION ET DE TRAITEMENT DE LA FORMATION ANARCHIQUE DE CAILLOTS FIBRINEUX INTRAVASCULAIRES  
[72] MUZYKANTOV, VLADIMIRD R., US  
[72] MURCIANO, JUAN CARLOS, US  
[72] CINES, DOUGLAS, US  
[72] HIGAZI, ABD AL-ROOF, US  
[71] THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, US  
[85] 2000-10-26  
[86] 1999-05-12 (PCT/US99/10547)  
[87] 1999-11-25 (WO99/59611)  
[30] US (60/086,262) 1998-05-21

[21] **2,330,472**  
[13] A1  
[51] Int.Cl. 6B01J 13/04 6B01J 13/20 6C08J 3/20  
[25] EN  
[54] ENCAPSULATED ACTIVE MATERIALS  
[54] MATIERES ACTIVES ENROBEES  
[72] BITLER, STEVEN P., US  
[72] HOFFMAN, DWIGHT K., US  
[71] THE DOW CHEMICAL COMPANY, US  
[71] LANDEC CORPORATION, US  
[85] 2000-10-26  
[86] 1999-04-27 (PCT/US99/09105)  
[87] 1999-11-04 (WO99/55454)  
[30] US (60/083,127) 1998-04-27

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[21] **2,330,473**  
[13] A1  
[51] **Int.Cl. 6D06M 13/148 6D06M 15/03 6D06M 23/06 6D06M 11/13 6D06M 11/155 6D06M 13/184 6D06M 11/56 6D06M 11/65 6D06M 11/76 6D06M 11/82**  
[25] EN  
[54] **WRINKLE REDUCING COMPOSITION**  
[54] **COMPOSITION DE REDUCTION DES PLIS**  
[72] HUBESCH, BRUNO ALBERT JEAN, BE  
[72] THOEN, CHRISTIAAN ARTHUR JACQUES KAMIEL, US  
[72] VERMOTE, CHRISTIAN LEO MARIE, BE  
[72] WOO, RICKY AH-MAN, US  
[71] THE PROCTER & GAMBLE COMPANY, US  
[85] 2000-10-26  
[86] 1998-04-27 (PCT/US98/08125)  
[87] 1999-11-04 (WO99/55948)

[21] **2,330,474**  
[13] A1  
[51] **Int.Cl. 6G02B 6/42 6H04B 10/24**  
[25] EN  
[54] **BIDIRECTIONAL MODULE FOR MULTICHANNEL USE**  
[54] **MODULE BIDIRECTIONNEL POUR UTILISATION MULTIVOIE**  
[72] ALTHAUS, HANS-LUDWIG, DE  
[71] INFINEON TECHNOLOGIES AG, DE  
[85] 2000-10-27  
[86] 1999-04-29 (PCT/DE99/01262)  
[87] 1999-11-11 (WO99/57594)  
[30] DE (198 19 533.9) 1998-04-30

[21] **2,330,475**  
[13] A1  
[51] **Int.Cl. 6C07D 211/58 6C07D 405/12 6A61K 31/445 6A61K 31/495 6A61K 31/535 6A61K 31/54 6C07D 211/96**  
[25] EN  
[54] **1--(1-SUBSTITUTED-4-PIPERIDINYL)METHYL]-4-PIPERIDINE DERIVATIVES, PROCESS FOR PRODUCING THE SAME, MEDICINAL COMPOSITIONS CONTAINING THE SAME AND INTERMEDIATES OF THESE COMPOUNDS**  
[54] **DERIVES DE 1--(1-SUBSTITUEE-4-PIPERIDINYLE)METHYLE]-4-PIPERIDINE, PROCEDE DE PRODUCTION DE CEUX-CI, COMPOSITIONS MEDICINALES CONTENANT CES COMPOSES ET INTERMEDIAIRES DE CES COMPOSES**

[72] MORIKAGE, KAZUO, JP  
[72] MORIKAGE, YUKIKO, JP  
[72] TOYOTOMI, YOSHIHITO, JP  
[72] KATO, SHIRO, JP  
[72] TATEISHI, HIROTAKA, JP  
[72] HARADA, HIROSHI, JP  
[72] YOSHIDA, NAOYUKI, JP  
[71] DAINIPPON PHARMACEUTICAL CO., LTD., JP  
[85] 2000-10-26  
[86] 1999-04-19 (PCT/JP99/02056)  
[87] 1999-11-04 (WO99/55674)  
[30] JP (10/134504) 1998-04-28  
[30] JP (10/195019) 1998-06-24

[21] **2,330,476**  
[13] A1  
[51] **Int.Cl. 6A61K 9/16 6C12N 9/04 6C12N 9/20 6C12N 9/86**  
[25] EN  
[54] **STABILIZED PROTEIN CRYSTALS, FORMULATIONS CONTAINING THEM AND METHODS OF MAKING THEM**  
[54] **CRISTAUX DE PROTEINES STABILISEES, FORMULATIONS RENFERMANT LESDITS CRISTAUX ET LEURS PROCEDES DE FABRICATION**  
[72] MARGOLIN, ALEXEY L., US  
[72] RAKESTRAW, SCOTT L., US  
[72] SHENOY, BHAMI C., US  
[72] ST. CLAIR, NANCY L., US  
[72] KHALAF, NAZER K., US  
[71] ALTUS BIOLOGICS INC., US  
[85] 2000-10-26  
[86] 1999-04-27 (PCT/US99/09099)  
[87] 1999-11-04 (WO99/55310)  
[30] US (60/083,148) 1998-04-27  
[30] US (09/224,475) 1998-12-31

[21] **2,330,479**  
[13] A1  
[51] **Int.Cl. 6A61K 47/16 6A61K 9/70**  
[25] EN  
[54] **USE OF AN ADHESIVE COMPOSITION OVER A BIOACTIVE POLYMERIZATION INITIATOR OR ACCELERATOR**  
[54] **UTILISATION D'UNE COMPOSITION ADHESIVE AVEC UN INITIATEUR OU UN ACCELERATEUR BIOACTIF DE POLYMERISATION**  
[72] NARANG, UPVAN, US  
[71] CLOSURE MEDICAL CORPORATION, US  
[85] 2000-10-27  
[86] 1999-04-30 (PCT/US99/09374)  
[87] 1999-11-04 (WO99/55374)  
[30] US (09/069,875) 1998-04-30

[21] **2,330,480**  
[13] A1  
[51] **Int.Cl. 7A61K 9/22 7A61P 25/08 7A61K 9/16 7A61K 31/16 7A61K 31/19**  
[25] EN  
[54] **CONTROLLED RELEASE FORMULATION OF DIVALPROEX SODIUM**  
[54] **PREPARATION A LIBERATION CONTROLEE DE DIVALPROEX SODIUM**  
[72] POSKA, RICHARD P., US  
[72] CHESKIN, HOWARD S., US  
[72] BOLLINGER, J. DANIEL, US  
[72] ENGH, KEVIN R., US  
[72] QUI, YIHONG, US  
[71] ABBOTT LABORATORIES, US  
[85] 2000-10-27  
[86] 1999-12-09 (PCT/US99/29204)  
[87] 2000-06-29 (WO00/37055)  
[30] US (09/216,650) 1998-12-18  
[30] US (60/121,557) 1999-02-25

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|---|---|--|
| <p style="text-align: right;">[21] <b>2,330,481</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 6A61K 9/16</b><br/>[25] EN<br/>[54] <b>NOVEL POLY(METHYLIDENE MALONATE) MICROSPHERES, PREPARATION METHOD AND PHARMACEUTICAL COMPOSITIONS CONTAINING THEM</b><br/>[54] <b>NOUVELLES MICROSPHERES A BASE DE POLY(METHYLIDENE MALONATE), LEUR PROCEDE DE PREPARATION ET COMPOSITIONS PHARMACEUTIQUES LES CONTENANT</b><br/>[72] BRU-MAGNIEZ, NICOLE, FR<br/>[72] FATTAL, ELIAS, FR<br/>[72] LE VISAGE, CATHERINE, FR<br/>[72] COUVREUR, PATRICK, FR<br/>[72] BRETON, PASCAL, FR<br/>[71] VIRSOL, FR<br/>[85] 2000-10-27<br/>[86] 1999-04-28 (PCT/FR99/01005)<br/>[87] 1999-11-04 (WO99/55309)<br/>[30] FR (98/05424) 1998-04-29</p> | <p style="text-align: right;">[21] <b>2,330,483</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 6A61K 7/13</b><br/>[25] EN<br/>[54] <b>COSMETIC METHOD FOR TREATING COLOURED HAIR TO REDUCE COLOUR FADE</b><br/>[54] <b>PROCEDE COSMETIQUE POUR TRAITER LES CHEVEUX TEINTS AFIN DE REDUIRE L'AFFAIBLISSEMENT DES COULEURS</b><br/>[72] SAMI, CHRISTINA HARCHARAN KAUR, GB<br/>[72] BUREIKO, ANDREI S., GB<br/>[72] CASTAING, BERNARD, GB<br/>[72] MONICH, MELISSA SMITH, GB<br/>[72] HUGHES, BLAKE GARETH, GB<br/>[72] LANGSCH, DIETER HANS JOSEF, GB<br/>[72] DIAS, LOUIS CARLOS, GB<br/>[72] MACGILP, NEIL ARCHIBALD, GB<br/>[71] THE PROCTER &amp; GAMBLE COMPANY, US<br/>[85] 2000-10-27<br/>[86] 1998-08-07 (PCT/US98/16496)<br/>[87] 1999-11-04 (WO99/55295)<br/>[30] US (PCT/US98/08128) 1998-04-27</p> | <p style="text-align: right;">[21] <b>2,330,485</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 6A61K 31/155 6A61K 47/12 6A61K 47/26</b><br/>[25] EN<br/>[54] <b>ORAL FORMULATION COMPRISING BIGUANIDE AND AN ORGANIC ACID</b><br/>[54] <b>COMPOSITION ORALE COMPRENANT UN BIGUANIDE ET UN ACIDE ORGANIQUE</b><br/>[72] OTODA, KAZUYA, JP<br/>[72] KOBAYASHI, HIROHISA, JP<br/>[72] NISHII, HIROYUKI, JP<br/>[71] SUMITOMO PHARMACEUTICALS CO., LTD., JP<br/>[85] 2000-10-27<br/>[86] 1999-04-26 (PCT/JP99/02192)<br/>[87] 1999-11-04 (WO99/55320)<br/>[30] JP (10/136126) 1998-04-29</p> |
| <p style="text-align: right;">[21] <b>2,330,482</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 6G01D 21/00 6G02B 26/10 6G01N 27/447</b><br/>[25] EN<br/>[54] <b>METHOD AND SYSTEM FOR VELOCITY-NORMALIZED POSITION-BASED SCANNING</b><br/>[54] <b>PROCEDE ET SYSTEME DE BALAYAGE BASE SUR LA POSITION A VITESSE NORMALISEE</b><br/>[72] SLETTNES, TOR, US<br/>[71] THE PERKIN-ELMER CORPORATION, US<br/>[85] 2000-10-27<br/>[86] 1999-04-13 (PCT/US99/08028)<br/>[87] 1999-11-11 (WO99/57547)<br/>[30] US (09/073,130) 1998-05-05</p>   | <p style="text-align: right;">[21] <b>2,330,484</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 6C07H 15/26 6C07H 15/20 6A61K 31/70</b><br/>[25] EN<br/>[54] <b>1-GALACTOSE DERIVATIVES</b><br/>[54] <b>DERIVES DE 1-GALACTOSE A LIAISON AGLYCONE PORTEUSE D'UN CARBONE OU D'UN AZOTE</b><br/>[72] HINDSGAUL, OLE, CA<br/>[71] SYNSORB BIOTECH, INC., CA<br/>[85] 2000-10-27<br/>[86] 1999-04-29 (PCT/CA99/00399)<br/>[87] 1999-11-18 (WO99/58540)<br/>[30] US (09/075,427) 1998-05-08</p>   | <p style="text-align: right;">[21] <b>2,330,486</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 6G01N 1/10 6C12Q 1/28 6G01N 33/72</b><br/>[25] EN<br/>[54] <b>SAMPLE COLLECTION METHOD</b><br/>[54] <b>PROCEDE DE PRELEVEMENT D'ECHANTILLONS</b><br/>[72] CHANDLER, HOWARD MILNE, US<br/>[71] ENTERIX INC., US<br/>[85] 2000-10-27<br/>[86] 1999-04-27 (PCT/AU99/00310)<br/>[87] 1999-11-04 (WO99/56103)<br/>[30] AU (PP 3237) 1998-04-28</p>   |
|   |   | <p style="text-align: right;">[21] <b>2,330,487</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 6A61K 31/05</b><br/>[25] EN<br/>[54] <b>ADMINISTRATION OF RESVERATROL TO PREVENT OR TREAT RESTENOSIS FOLLOWING CORONARY INTERVENTION</b><br/>[54] <b>ADMINISTRATION DE RESVERATROL POUR LA PREVENTION OU LE TRAITEMENT DE LA RESTENOSE APRES UNE INTERVENTION CORONARIENNE</b><br/>[72] GOODMAN, DAVID WILLIAM, CA<br/>[71] PHARMASCIENCE INC., CA<br/>[85] 2000-10-27<br/>[86] 1999-05-12 (PCT/CA99/00432)<br/>[87] 1999-11-18 (WO99/58119)<br/>[30] US (09/078,300) 1998-05-13</p>      |



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[21] **2,330,488**  
[13] A1

[51] **Int.Cl. 6C12N 9/10 6D06M 16/00 6C11D 3/386 6C12N 15/62**  
[25] EN  
[54] **LAUNDRY DETERGENT AND/OR FABRIC CARE COMPOSITIONS COMPRISING A MODIFIED TRANSFERASE**  
[54] **COMPOSITIONS DE DETERGENT A LESSIVE ET/OU D'ENTRETIEN DE TISSUS CONTENANT UNE TRANSFERASE MODIFIEE**  
[72] CONVENTS, ANDRE CHRISTIAN, US  
[72] BOYER, STANTON LANE, US  
[72] SHOWELL, MICHAEL STANFORD, US  
[72] BARNABAS, MARY VIJAYARANI, US  
[72] SMETS, JOHAN, BE  
[71] THE PROCTER & GAMBLE COMPANY, US  
[85] 2000-10-27  
[86] 1999-04-30 (PCT/US99/09480)  
[87] 1999-11-11 (WO99/57254)  
[30] US (PCT/US98/08905) 1998-05-01

[21] **2,330,489**  
[13] A1

[51] **Int.Cl. 6A21D 6/00 6A23P 1/00 6A23K 1/10 6A23L 1/10 6A23K 1/12 6A23P 1/12 6A23P 1/14**  
[25] EN  
[54] **PROCESS AND APPARATUS FOR TREATING CELLULOSIC MATERIALS**  
[54] **PROCEDE ET APPAREIL POUR TRAITER DES MATERIAUX CELLULOSIQUES**  
[72] WEAVER, JUSTIN, K., US  
[72] DALE, BRUCE E., US  
[71] MICHIGAN STATE UNIVERSITY, US  
[85] 2000-10-27  
[86] 1999-02-19 (PCT/US99/03624)  
[87] 1999-11-11 (WO99/56555)  
[30] US (09/070,576) 1998-04-30

[21] **2,330,491**  
[13] A1

[51] **Int.Cl. 6A61L 31/00**  
[25] FR  
[54] **IMPLANTS DE RENFORT POUR SUTURES TISSULAIRES**  
[54] **REINFORCING IMPLANTS FOR TISSUE SUTURES**  
[72] THEVENET, FABRICE, FR  
[71] THEVENET, FABRICE, FR  
[85] 2000-10-24  
[86] 1999-04-20 (PCT/FR99/00934)  
[87] 1999-11-04 (WO99/55397)  
[30] FR (98/05688) 1998-04-29

[21] **2,330,492**  
[13] A1

[51] **Int.Cl. 6C07K 5/06**  
[25] FR  
[54] **NOUVEAUX DERIVES DE L'ACIDE OCTAHYDRO-6,10-DIOXO-6H-PYRIDAZINO-1,2-A] -1,2]**  
**DIAZEPINE-1-CARBOXYLIQUE, LEUR PROCEDE DE PREPARATION ET LEUR APPLICATION A LA PREPARATION DE COMPOSES THERAPEUTIQUEMENT ACTIFS**  
[54] **NOVEL OCTAHYDRO-6,10-DIOXO-6H-PYRIDAZINO/1,2-A/ /1,2/ DIAZEPIN-1-CARBOXYLIC ACID DERIVATIVES, PREPARATION METHOD AND USE FOR PREPARING THERAPEUTICALLY ACTIVE COMPOUNDS**  
[72] LARKIN, JOHN PATRICK, FR  
[72] ROUSSEL, PATRICK, FR  
[72] CROCQ, VERONIQUE, FR  
[72] COLLADANT, COLETTE, FR  
[71] HOECHST MARION ROUSSEL, FR  
[85] 2000-10-24  
[86] 1999-04-26 (PCT/FR99/00981)  
[87] 1999-11-04 (WO99/55724)  
[30] FR (98/05243) 1998-04-27

[21] **2,330,494**  
[13] A1

[51] **Int.Cl. 6H05K 7/14**  
[25] FR  
[54] **STRUCTURE MODULAIRE SIMPLIFIEE**  
[54] **SIMPLIFIED MODULAR STRUCTURE**  
[72] SARNO, CLAUDE, FR  
[72] BOUTELLE, HENRI, FR  
[71] THOMSON-CSF SEXTANT, FR  
[85] 2000-10-24  
[86] 1999-04-20 (PCT/FR99/00935)  
[87] 1999-11-04 (WO99/56514)  
[30] FR (98/05323) 1998-04-28

[21] **2,330,495**  
[13] A1

[51] **Int.Cl. 6C02F 9/00 6C02F 1/16**  
[25] FR  
[54] **PROCEDE DE TRAITEMENT DE FLUIDE LIQUIDE COMPRENANT UNE FRACTION VOLATILE**  
[54] **METHOD FOR TREATING FLUID LIQUID CONTAINING A VOLATILE FRACTION**  
[72] NOTELTEERS, JEAN-GUY, FR  
[72] LEGLISE, JEAN-PAUL, FR  
[72] LEFEBVRE, BERNARD, FR  
[72] NOGRETTE, JEAN-FRANCOIS, FR  
[71] SARP INDUSTRIES, FR  
[85] 2000-10-26  
[86] 1999-04-30 (PCT/FR99/01038)  
[87] 1999-11-11 (WO99/57069)  
[30] FR (98/05506) 1998-04-30

[21] **2,330,496**  
[13] A1

[51] **Int.Cl. 7G02B 1/10 7C09D 151/00 7C08J 7/04**  
[25] FR  
[54] **LENTILLE OPHTALMIQUE EN VERRE ORGANIQUE, COMPORTANT UNE COUCHE DE PRIMAIRE ANTICHOCS**  
[54] **OPHTHALMIC LENS MADE OF ORGANIC GLASS, COMPRISING AN ANTI-SHOCK PRIMER COAT**  
[72] WAJS, GEORGES, FR  
[72] CANO, JEAN-PAUL, FR  
[72] FAVEROLLE, FRANCINE, US  
[71] ESSILOR INTERNATIONAL, FR  
[85] 2000-10-26  
[86] 2000-02-14 (PCT/FR00/00353)  
[87] 2000-08-31 (WO00/50928)  
[30] FR (99/02438) 1999-02-26

[21] **2,330,497**  
[13] A1

[51] **Int.Cl. 6A61B 17/32 6A61B 17/28**  
[25] FR  
[54] **DISPOSITIF DE LIAISON POUR INSTRUMENT CHIRURGICAL**  
[54] **LINKING DEVICE FOR SURGICAL INSTRUMENT**  
[72] GARIN, CHRISTOPHE, FR  
[72] RIOU, LIONEL, FR  
[72] LOUBENS, THIERRY, FR  
[71] SOPRANE S.A., FR  
[85] 2000-10-26  
[86] 1999-03-02 (PCT/FR99/00458)  
[87] 1999-11-04 (WO99/55242)  
[30] FR (98/05690) 1998-04-29

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[21] **2,330,498**  
[13] A1

[51] **Int.Cl. 6C08G 63/672 6A61K 9/00 6A61K 9/16 6A61K 47/34 6A61K 47/48 6C08G 63/64 6C08G 63/676**  
[25] FR  
[54] **POLYETHERESTER SEQUENCE NON-RETICULE, SA PREPARATION, ET SES UTILISATIONS**  
[54] **NON CROSS-LINKED BLOCK POLYETHERESTER, PREPARATION AND USES**  
[72] FERRUTI, PAOLO, IT  
[72] ORSOLINI, PIERO, CH  
[71] DEBIO RECHERCHE PHARMACEUTIQUE S.A., CH  
[85] 2000-10-26  
[86] 1999-04-28 (PCT/EP99/02891)  
[87] 1999-11-04 (WO99/55760)  
[30] FR (98/05306) 1998-04-28

[21] **2,330,499**  
[13] A1

[51] **Int.Cl. 6A61H 39/00 6A61N 5/06**  
[25] FR  
[54] **DISPOSITIF PERMETTANT DE CORRIGER LES TROUBLES DUS AUX DESEQUILIBRES DU SYSTEME TONIQUE POSTURAL**  
[54] **METHOD FOR CORRECTING DISORDERS CAUSED BY THE TONIC POSTURAL SYSTEM IMBALANCE**  
[72] MESQUIDA, SERGE, FR  
[72] MACE, DOMINIQUE, FR  
[71] MESQUIDA, SERGE, FR  
[71] MACE, DOMINIQUE, FR  
[85] 2000-10-26  
[86] 1999-04-29 (PCT/FR99/01016)  
[87] 1999-11-11 (WO99/56695)  
[30] FR (98/05545) 1998-04-30

[21] **2,330,500**  
[13] A1

[51] **Int.Cl. 6A61K 9/10 6A61K 47/12 6A61K 47/24**  
[25] FR  
[54] **COMPOSITIONS PHARMACEUTIQUES GELIFIABLES**  
[54] **PHARMACEUTICAL COMPOSITIONS CAPABLE OF BEING GELLED**  
[72] DELEERS, MICHEL, BE  
[72] FANARA, DOMENICO, BE  
[72] VRANCKX, HENRY, BE  
[71] UCB, S.A., BE  
[85] 2000-10-26  
[86] 1999-04-16 (PCT/EP99/02551)  
[87] 1999-11-11 (WO99/56725)  
[30] BE (98000329) 1998-04-30

[21] **2,330,529**  
[13] A1

[51] **Int.Cl. 6C08F 4/603 6C08F 10/00**  
[25] EN  
[54] **OLEFIN POLYMERIZATION PROCESS USING ACTIVATED LEWIS ACID-BASE COMPLEXES**  
[54] **PROCEDE DE POLYMERISATION D'OLEFINES UTILISANT DES COMPLEXES D'ACTIVATION ACIDE DE LEWIS-BASE DE LEWIS**  
[72] HOLT CAMP, MATTHEW W., US  
[71] UNIVATION TECHNOLOGIES LLC, US  
[85] 2000-10-30  
[86] 1999-06-03 (PCT/US99/12491)  
[87] 1999-12-16 (WO99/64476)  
[30] US (60/089,023) 1998-06-12

[21] **2,330,530**  
[13] A1

[51] **Int.Cl. 6C09D 4/00 6C08F 230/08 6C08F 222/10**  
[25] EN  
[54] **CERAMER COMPOSITION HAVING ABRASION AND STAIN RESISTANT CHARACTERISTICS**  
[54] **COMPOSITION DE CERAMERE POSSEDANT DES CARACTERISTIQUES DE RESISTANCE A L'ABRASION ET AUX TACHES**  
[72] MOORE, GEORGE G. I., US  
[72] KANG, SOONKUN, US  
[71] 3M INNOVATIVE PROPERTIES COMPANY, US  
[85] 2000-10-30  
[86] 1999-05-03 (PCT/US99/09688)  
[87] 1999-11-11 (WO99/57205)  
[30] US (09/072,506) 1998-05-04  
[30] US (09/072,334) 1998-05-04  
[30] US (09/209,117) 1998-12-10  
[30] US (09/209,118) 1998-12-10

[21] **2,330,531**  
[13] A1

[51] **Int.Cl. 6G01N 21/39**  
[25] EN  
[54] **METHOD FOR EXCITING AN OPTICAL CAVITY FOR DETECTING GAS TRACES**  
[54] **PROCEDE D'EXCITATION D'UNE CAVITE OPTIQUE POUR LA DETECTION DE GAZ A L'ETAT DE TRACES**  
[72] KATCHANOV, ALEXANDRE, FR  
[72] ROMANINI, DANIELE, FR  
[71] UNIVERSITE JOSEPH FOURIER, FR  
[85] 2000-10-30  
[86] 1999-04-30 (PCT/FR99/01030)  
[87] 1999-11-11 (WO99/57542)  
[30] FR (98/05753) 1998-04-30

[21] **2,330,533**  
[13] A1

[51] **Int.Cl. 6B41F 31/14**  
[25] EN  
[54] **INKING ARRANGEMENT FOR PRINTING PRESSES**  
[54] **DISPOSITIF D'ENCRAGE POUR PRESSES**  
[72] IZUME, MASAYUKI, JP  
[71] I. MAR PLANNING INC., JP  
[85] 2000-10-30  
[86] 1999-07-27 (PCT/JP99/04018)  
[87] 2000-05-18 (WO00/27637)  
[30] JP (10/317240) 1998-11-09

[21] **2,330,534**  
[13] A1

[51] **Int.Cl. 6G07F 7/10 6G07F 7/08**  
[25] EN  
[54] **TERMINAL AND SYSTEM FOR IMPLEMENTING SECURE ELECTRONIC TRANSACTIONS**  
[54] **TERMINAL ET SYSTEME POUR LA MISE EN OEUVRE DE TRANSACTIONS ELECTRONIQUES SECURISEES**  
[72] AUDEBERT, YVES LOUIS GABRIEL, US  
[71] ACTIVCARD, FR  
[85] 2000-10-27  
[86] 1999-05-20 (PCT/FR99/01202)  
[87] 1999-12-02 (WO99/62037)  
[30] FR (98/06450) 1998-05-22

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[21] **2,330,536**  
[13] A1

[51] **Int.Cl. 6H01F 17/00 6G05F 1/14 6H02M 3/335**  
[25] EN  
[54] **POWER REGULATOR**  
[54] **REGULATEUR DE PUISSANCE**  
[72] JANSEN, ARIAN M., US  
[71] NMB (USA), INC., US  
[85] 2000-10-27  
[86] 1999-05-07 (PCT/US99/10079)  
[87] 1999-12-02 (WO99/62085)  
[30] US (09/083,760) 1998-05-22

[21] **2,330,537**  
[13] A1

[51] **Int.Cl. 6H01S 3/19**  
[25] EN  
[54] **VERTICAL-CAVITY SURFACE-EMITTING LASER WITH AN INTRACAVITY QUANTUM-WELL OPTICAL ABSORBER**  
[54] **LASER A CAVITE VERTICALE ET A EMISSION PAR LA SURFACE, PRESENTANT DES MOYENS D'ABSORPTION OPTIQUE A PUIITS QUANTIQUES INTRACAVITAIRES**  
[72] CHANG-HASNAIN, CONNIE J., US  
[72] LAU, KAM-YIN, US  
[72] LIM, SUI F., US  
[72] HUDGINGS, JANICE A., US  
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US  
[85] 2000-10-27  
[86] 1999-04-30 (PCT/US99/09607)  
[87] 1999-11-11 (WO99/57789)  
[30] US (09/071,653) 1998-05-01

[21] **2,330,538**  
[13] A1

[51] **Int.Cl. 6G01N 33/68 6A61B 8/08**  
[25] EN  
[54] **ANTENATAL SCREENING FOR DOWN'S SYNDROME**  
[54] **DEPISTAGE PRENATAL DU SYNDROME DE DOWN**  
[72] WALD, NICHOLAS JOHN, GB  
[71] WALD, NICHOLAS JOHN, GB  
[85] 2000-10-27  
[86] 1999-04-29 (PCT/GB99/01341)  
[87] 1999-11-04 (WO99/56132)  
[30] GB (9809209.1) 1998-04-29  
[30] GB (9813905.8) 1998-06-26

[21] **2,330,540**  
[13] A1

[51] **Int.Cl. 6G06K 19/08**  
[25] EN  
[54] **SECURITY ELEMENT TO PREVENT COUNTERFEITING OF VALUE DOCUMENTS**  
[54] **ELEMENT DE SECURITE PERMETTANT D'EMPECHER LES CONTREFACONS DE DOCUMENTS DE VALEUR**  
[72] LIPPENS, PAUL, BE  
[72] POWER, GARY, AU  
[71] SECURENCY PTY. LTD., AU  
[71] N.V. BEKAERT S.A., BE  
[85] 2000-10-27  
[86] 1999-04-21 (PCT/EP99/02771)  
[87] 1999-11-11 (WO99/57682)  
[30] EP (98870098.5) 1998-04-30

[21] **2,330,541**  
[13] A1

[51] **Int.Cl. 7C07D 211/82 7C07D 215/20 7A61K 31/473 7C07D 211/90**  
[25] EN  
[54] **CYCLOPENTANONE DIHYDROPYRIDINE COMPOUNDS USEFUL AS POTASSIUM CHANNEL OPENERS**  
[54] **COMPOSES A BASE DE DIHYDROPYRIDINE DE CYCLOPENTANONE UTILES EN TANT QU'AGENTS D'OUVERTURE DES CANAUX POTASSIUM**  
[72] KERWIN, JAMES F., US  
[72] MOORE, JIMMIE L., US  
[72] CARROLL, WILLIAM A., US  
[72] CHEN, YIYUAN, US  
[72] DRIZIN, IRENE, US  
[71] ABBOTT LABORATORIES, US  
[85] 2000-10-27  
[86] 2000-03-06 (PCT/US00/05828)  
[87] 2000-09-08 (WO00/51986)  
[30] US (09/262,441) 1999-03-04

[21] **2,330,551**  
[13] A1

[51] **Int.Cl. 6H04M 15/30**  
[25] EN  
[54] **TARIFF MANAGEMENT APPARATUS AND METHODS FOR COMMUNICATIONS TERMINALS USING SMART CARDS**  
[54] **DISPOSITIF DE GESTION DES TARIFS ET PROCEDES POUR TERMINAUX DE COMMUNICATION DOTES DE CARTES A PUCE**  
[72] DENT, PAUL WILKINSON, US  
[72] HUMPHREYS, ELIZABETH LOUISE, US  
[71] ERICSSON INC., US  
[85] 2000-10-30  
[86] 1999-04-15 (PCT/US99/08223)  
[87] 1999-11-11 (WO99/57883)  
[30] US (09/070,305) 1998-04-30

[21] **2,330,552**  
[13] A1

[51] **Int.Cl. 6E04H 1/12**  
[25] EN  
[54] **BOOTH FOR MANUFACTURING AND DISTRIBUTING FOOD**  
[54] **KIOSQUE DESTINE A LA FABRICATION ET A LA DISTRIBUTION DE PRODUITS ALIMENTAIRES**  
[72] BELLOTTO, CARLO, IT  
[72] RIGA, RENATO, IT  
[72] PARMA-BREITENBACH, CORNELIA M., CH  
[71] PIZZAGROUP SRL, IT  
[71] PIZZAGROUP SRL, AU  
[71] PARMA-BREITENBACH, CORNELIA M., CH  
[85] 2000-10-30  
[86] 1999-04-29 (PCT/EP99/02924)  
[87] 1999-11-04 (WO99/55988)  
[30] AU (PP 3222) 1998-04-29  
[30] AU (PP 8806) 1999-02-22  
[30] AU (PP 8807) 1999-02-22

[21] **2,330,553**  
[13] A1

[51] **Int.Cl. 6A61B 5/00**  
[25] EN  
[54] **IMPLANTABLE BLOOD GLUCOSE SENSOR SYSTEM**  
[54] **SYSTEME IMPLANTABLE DE CAPTEUR DE GLUCOSE SANGUIN**  
[72] EGLISE, DAVID, GB  
[71] EGLISE, DAVID, GB  
[85] 2000-10-30  
[86] 1999-03-22 (PCT/GB99/00900)  
[87] 1999-09-30 (WO99/48419)  
[30] GB (9805896.9) 1998-03-20

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[21] **2,330,554**  
[13] A1  
[51] **Int.Cl. 6B29C 45/14 6B29C 45/26**  
[25] EN  
[54] **INSERT PART STUCK CYLINDRICAL ARTICLE, ITS FORMING METHOD, AND ITS FORMING DEVICE**  
[54] **ARTICLE CYLINDRIQUE A PIECE D'INSERTION IMMOBILISEE, SON PROCEDE DE FORMAGE, ET DISPOSITIF DE FORMAGE**  
[72] NOMOTO, TSUGIO, JP  
[72] KIMURA, HIDEYUKI, JP  
[71] YOSHINO KOGYOSHO CO., LTD., JP  
[85] 2000-10-30  
[86] 1999-03-01 (PCT/JP99/00986)  
[87] 2000-09-08 (WO00/51802)

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[21] **2,330,555**  
[13] A1  
[51] **Int.Cl. 6C07D 333/74 6C07D 409/12 6C07D 409/14 6A61K 31/34 6A61K 31/38 6A61K 31/465 6A61K 31/505 6C07D 307/92**  
[25] EN  
[54] **NAPHTHO-2,3-BI[HETEROAR-4-YL DERIVATIVES**  
[54] **DERIVES DE NAPHTO-2,3-BI[HETEROAR-4-YLE**  
[72] DIETRICH, ARLENE JOAN, US  
[72] WROBEL, JAY EDWARD, US  
[72] DOLLINGS, PAUL JEFFREY, US  
[71] AMERICAN HOME PRODUCTS CORPORATION, US  
[85] 2000-10-30  
[86] 1999-05-10 (PCT/US99/10210)  
[87] 1999-11-18 (WO99/58522)  
[30] US (09/076,446) 1998-05-12

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[21] **2,330,556**  
[13] A1  
[51] **Int.Cl. 6G01N 21/05 6G01N 21/03**  
[25] EN  
[54] **OPTICAL SPECTROSCOPY SAMPLE CELL**  
[54] **CELLULE D'ECHANTILLON UTILISEE EN SPECTROSCOPIE OPTIQUE**  
[72] EPPES, WILLIAM R., US  
[72] SCHARLACK, RONALD S., US  
[72] DUSSAULT, RICHARD A., US  
[71] BAYER CORPORATION, US  
[85] 2000-10-30  
[86] 1999-05-12 (PCT/IB99/00857)  
[87] 1999-11-18 (WO99/58954)  
[30] US (60/085,253) 1998-05-13

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[21] **2,330,557**  
[13] A1  
[51] **Int.Cl. 6C07D 307/80 6C07D 221/00 6C07D 235/00 6C07D 307/00 6C07D 471/04 6C07D 491/04 6C07D 417/06 6C07D 235/12 6C07D 405/12 6C07D 409/12 6C07D 333/16 6A61K 31/34 6A61K 31/38 6A61K 31/415 6A61K 31/44 6C07D 333/56**  
[25] EN  
[54] **BIPHENYL OXO-ACETIC ACIDS USEFUL IN THE TREATMENT OF INSULIN RESISTANCE AND HYPERGLYCEMIA**  
[54] **ACIDES BIPHENYL-OXO-ACETIQUES UTILES DANS LE TRAITEMENT DE L'INSULINORESISTANCE ET DE L'HYPERGLYCEMIE**  
[72] ADEBAYO, FOLAKE OLUWEMIMO, US  
[72] MCDEVITT, ROBERT EMMETT, US  
[72] MALAMAS, MICHAEL SOTIRIOS, US  
[71] AMERICAN HOME PRODUCTS CORPORATION, US  
[85] 2000-10-30  
[86] 1999-05-10 (PCT/US99/10201)  
[87] 1999-11-18 (WO99/58518)  
[30] US (09/076,205) 1998-05-12

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[21] **2,330,558**  
[13] A1  
[51] **Int.Cl. 6C07D 277/46 6A61K 31/425**  
[25] EN  
[54] **(2-ACYLAMINOTHIAZOLE-4-YL)ACETIC ACID DERIVATIVES**  
[54] **DERIVES DE L'ACIDE (2-ACYLAMINOTHIAZOLE-4-YL)ACETIQUE**  
[72] KEES, KENNETH LEWIS, US  
[71] AMERICAN HOME PRODUCTS CORPORATION, US  
[85] 2000-10-30  
[86] 1999-05-10 (PCT/US99/10212)  
[87] 1999-11-18 (WO99/58514)  
[30] US (09/076,708) 1998-05-12

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[21] **2,330,559**  
[13] A1  
[51] **Int.Cl. 6B63B 1/00**  
[25] EN  
[54] **SEMI-SUBMERSIBLE VESSEL**  
[54] **NAVIRE SEMI-SUBMERSIBLE**  
[72] KRATZ, OWAN, US  
[72] KEETING, HANK, US  
[72] MCCLURE, SCOTT CAMPBELL, US  
[72] MCCLURE, ALAN CAMPBELL (DECEASED), US  
[72] KELLOG, STANLEY GROEDECKE, US  
[71] CAL DIVE INTERNATIONAL, INC., US  
[71] SDP-MCCLURE, INC., US  
[85] 2000-10-30  
[86] 1999-03-30 (PCT/US99/07141)  
[87] 1999-10-07 (WO99/50135)  
[30] US (09/052,540) 1998-03-31  
[30] US (09/246,618) 1999-02-08

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[21] **2,330,560**  
[13] A1  
[51] **Int.Cl. 6C12P 21/04 6C07H 21/04 6C12N 1/20 6A61K 39/395**  
[25] EN  
[54] **METHODS FOR TRANSDUCING FUSION MOLECULES**  
[54] **METHODES DE TRANSDUCTION DE MOLECULES DE FUSION**  
[72] DOWDY, STEVEN F., US  
[71] WASHINGTON UNIVERSITY, US  
[85] 2000-10-30  
[86] 1999-04-27 (PCT/US99/09028)  
[87] 1999-11-04 (WO99/55899)  
[30] US (60/083,380) 1998-04-28

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[21] **2,330,563**  
[13] A1

[51] **Int.Cl. 6A61K 31/70**  
[25] EN  
[54] **THERAPEUTIC ANTI-COLD AGENT CONTAINING ISOMALT AS AN ACTIVE INGREDIENT**  
[54] **AGENT THERAPEUTIQUE CONTRE LE RHUME, CONTENANT DE L'ISOMALT COMME PRINCIPE ACTIF**  
[72] KOZIANOWSKI, GUNHILD, DE  
[72] KLINGEBERG, MICHAEL, DE  
[72] FRITZSCHING, BODO, DE  
[72] KUNZ, MARKWART, DE  
[72] DORR, TILLMAN, DE  
[72] KOWALCZYK, JORG, DE  
[72] RAPP, KNUT M., DE  
[72] STRATER, PETER J., DE  
[71] SUDZUCKER AKTIENGESELLSCHAFT, DE  
[85] 2000-10-27  
[86] 1999-04-28 (PCT/EP99/02866)  
[87] 1999-11-04 (WO99/55342)  
[30] DE (198 18 842.0) 1998-04-28  
[30] US (09/175,831) 1998-10-20

[21] **2,330,564**  
[13] A1

[51] **Int.Cl. 6C07D 215/38 6C07D 401/12 6C07D 405/12 6C07D 409/12 6A61K 31/47**  
[25] EN  
[54] **QUINOLONES USED AS MRS INHIBITORS AND BACTERICIDES**  
[54] **QUINOLONES UTILISEES COMME INHIBITEURS DE MRS ET BACTERICIDES**  
[72] JARVEST, RICHARD LEWIS, GB  
[72] SHEPPARD, ROBERT JOHN, GB  
[72] MCNAIR, DAVID JONATHAN, GB  
[72] HAMPRECHT, DIETER WOLFGANG, GB  
[72] BERGE, JOHN MICHAEL, GB  
[72] FORREST, ANDREW KEITH, GB  
[72] ELDER, JOHN STEPHEN, GB  
[72] BROWN, PAMELA, GB  
[71] SMITHKLINE BEECHAM P.L.C., GB  
[85] 2000-10-27  
[86] 1999-04-15 (PCT/EP99/02648)  
[87] 1999-11-04 (WO99/55677)  
[30] GB (9809050.9) 1998-04-29  
[30] GB (9824571.5) 1998-11-09

[21] **2,330,566**  
[13] A1

[51] **Int.Cl. 6H04N 7/50 6H03M 7/42**  
[25] EN  
[54] **VARIABLE LENGTH DECODER FOR DECODING DIGITALLY ENCODED VIDEO SIGNALS**  
[54] **DECODEUR DE LONGUEUR VARIABLE DESTINE AU DECODAGE DE SIGNAUX VIDEO A CODAGE NUMERIQUE**  
[72] BOSE, SUBROTO, US  
[72] GADRE, SIRISH C., US  
[72] BUBLIL, MOSHE, US  
[71] SONY ELECTRONICS INC., US  
[85] 2000-10-27  
[86] 1999-05-14 (PCT/US99/10659)  
[87] 1999-11-25 (WO99/60521)  
[30] US (60/085,797) 1998-05-18  
[30] US (09/280,437) 1999-03-29

[21] **2,330,568**  
[13] A1

[51] **Int.Cl. 6A61K 31/445**  
[25] EN  
[54] **USE OF 4-PIPERIDINEMETHANOL DERIVATIVES IN TREATMENT OF NEURODEVELOPMENTAL DISORDERS**  
[54] **UTILISATION DE DERIVES DE 4-PIPERIDINEMETHANOL DANS LE TRAITEMENT DE TROUBLES NEUROLOGIQUES DU DEVELOPPEMENT**  
[72] CARLSSON, MARIA, SE  
[71] A. CARLSSON RESEARCH AB, SE  
[85] 2000-10-27  
[86] 1999-04-26 (PCT/SE99/00683)  
[87] 1999-11-11 (WO99/56750)  
[30] SE (9801516-7) 1998-04-30

[21] **2,330,569**  
[13] A1

[51] **Int.Cl. 7B01J 19/00**  
[25] EN  
[54] **CHEMICAL PROCESSING MICROSYSTEMS, DIFFUSION-MIXED MICROREACTORS AND METHODS FOR PREPARING AND USING SAME**  
[54] **MICROSYSTEMES DE TRAITEMENT CHIMIQUE, MICROREACTEURS A DIFFUSION MIXTE ET PROCEDES DE PREPARATION ET D'UTILISATION ASSOCIES**  
[72] GUAN, SHENHENG, US  
[72] BERGH, S. HOWARD, US  
[71] SYMYX TECHNOLOGIES, INC., US  
[85] 2000-10-30  
[86] 2000-03-03 (PCT/US00/05572)  
[87] 2000-09-08 (WO00/51720)  
[30] US (60/122,704) 1999-03-03

[21] **2,330,598**  
[13] A1

[51] **Int.Cl. 6A23L 3/18 6A23C 3/033**  
[25] EN  
[54] **A METHOD OF MAINTAINING THE PRESSURE DIFFERENCE IN A HEAT TREATMENT PLANT**  
[54] **PROCEDE PERMETTANT DE MAINTENIR LA DIFFERENCE DE PRESSION DANS UNE INSTALLATION DE TRAITEMENT THERMIQUE**  
[72] GORANSSON, CHRISTER, SE  
[72] JANSSON, MAGNUS, US  
[72] PALM, BENGT, SE  
[71] TETRA LAVAL HOLDINGS & FINANCE S.A., CH  
[85] 2000-10-27  
[86] 1999-04-28 (PCT/SE99/00696)  
[87] 1999-11-04 (WO99/55175)  
[30] SE (9801507-6) 1998-04-29

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[21] **2,330,599**  
[13] A1

[51] **Int.Cl. 6C07D 307/80 6C07D 333/16 6C07D 263/32 6A61K 31/34 6A61K 31/38 6A61K 31/42 6C07D 333/56**

[25] EN

[54] **BIPHENYL SULFONYL ARYL CARBOXYLIC ACIDS USEFUL IN THE TREATMENT OF INSULIN RESISTANCE AND HYPERGLYCEMIA**

[54] **ACIDES BIPHENYL-SULFONYL-ARYL-CARBOXYLIQUES UTILES DANS LE TRAITEMENT DE L'INSULINORESISTANCE ET DE L'HYPERGLYCEMIE**

[72] MALAMAS, MICHAEL SOTIRIOS, US

[72] DOLLINGS, PAUL JEFFREY, US

[72] ADEBAYO, FOLAKE OLUWEMIMO, US

[71] AMERICAN HOME PRODUCTS CORPORATION, US

[85] 2000-10-30

[86] 1999-05-10 (PCT/US99/10213)

[87] 1999-11-18 (WO99/58520)

[30] US (09/076,597) 1998-05-12

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[21] **2,330,600**  
[13] A1

[51] **Int.Cl. 7G06T 5/20**

[25] EN

[54] **TEXT ENHANCEMENT SYSTEM**

[54] **SYSTEME D'AMELIORATION DE TEXTE**

[72] KARIDI, RON J., US

[71] ELECTRONICS FOR IMAGING, INC., US

[85] 2000-10-31

[86] 1999-07-07 (PCT/US99/15353)

[87] 2000-01-13 (WO00/02161)

[30] US (09/111,633) 1998-07-07

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[21] **2,330,601**  
[13] A1

[51] **Int.Cl. 6A61C 13/00**

[25] EN

[54] **METHOD FOR PRODUCING A DENTAL FIRST ATTACHMENT PART FOR AN IMPLANT OR A SECOND ATTACHMENT PART, AND A HOLDER FOR A MODEL OF THE FIRST ATTACHMENT PART**

[54] **PROCEDE PERMETTANT DE PRODUIRE UNE PREMIERE PIECE DE FIXATION DENTAIRE DESTINEE A UN IMPLANT OU A UNE DEUXIEME PIECE DE FIXATION, ET UN SUPPORT DESTINE AU MODELE DE LA PREMIERE PIECE DE FIXATION**

[72] PERSSON, MAGNUS, SE

[72] HOLMERSSON, RICKARD, SE

[71] NOBEL BIOCARE AB (PUBL), SE

[85] 2000-10-30

[86] 1999-04-27 (PCT/SE99/00680)

[87] 1999-12-09 (WO99/62422)

[30] SE (9801933-4) 1998-05-29

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[21] **2,330,603**  
[13] A1

[51] **Int.Cl. 7A61C 5/02**

[25] EN

[54] **NON CIRCULAR ENDODONTIC INSTRUMENTS**

[54] **INSTRUMENTS ENDODONTIQUES NON CIRCULAIRES**

[72] MUSIKANT, BARRY L., US

[72] COHEN, BRETT I., US

[71] ESSENTIAL DENTAL SYSTEMS, INC., US

[85] 2000-10-30

[86] 2000-01-28 (PCT/US00/02107)

[87] 2000-09-08 (WO00/51516)

[30] US (09/258,931) 1999-03-01

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[21] **2,330,604**  
[13] A1

[51] **Int.Cl. 6D06M 15/03 6C11D 3/00 6D06M 15/21**

[25] EN

[54] **WRINKLE AND MALODOUR REDUCING COMPOSITION**

[54] **COMPOSITION REDUISANT LES PLIS ET LES MAUVAISES ODEURS**

[72] ALTMANN, MARKUS, BE

[72] WOO, RICKY AH-MAN, US

[72] HUBESCH, BRUNO ALBERT JEAN, BE

[72] PEFFLY, MARJORIE MOSSMAN, US

[72] MERMELSTEIN, ROBERT, US

[71] THE PROCTER & GAMBLE COMPANY, US

[85] 2000-10-26

[86] 1998-08-25 (PCT/US98/17577)

[87] 1999-11-04 (WO99/55951)

[30] US (PCT/US98/08126) 1998-04-27

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[21] **2,330,605**  
[13] A1

[51] **Int.Cl. 6F16H 61/38**

[25] EN

[54] **AN HYDRAULIC CONTROL CIRCUIT FOR A CONTINUOUSLY-VARIABLE-TRANSMISSION**

[54] **CIRCUIT DE COMMANDE HYDRAULIQUE POUR TRANSMISSION A CHANGEMENT DE VITESSE CONTINU**

[72] GREENWOOD, CHRISTOPHER JOHN, GB

[71] TOROTRAK (DEVELOPMENT) LIMITED, GB

[85] 2000-10-31

[86] 1999-05-07 (PCT/GB99/01444)

[87] 1999-11-28 (WO99/58883)

[30] GB (9809959.1) 1998-05-08

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[21] **2,330,606**  
[13] A1

[51] **Int.Cl. 6B41M 5/035 6D06P 5/00 6G03G 9/087 6G03G 9/09**  
[25] EN  
[54] **COLOR TONER CONTAINING SUBLIMATION DYES FOR USE IN ELECTROPHOTOGRAPHIC IMAGING DEVICES**  
[54] **TONER DE COULEUR CONTENANT DES ENCRE A SUBLIMATION CONVENANT POUR LES DISPOSITIFS D'IMAGERIE ELECTROPHOTOGRAPHIQUE**  
[72] THOMPSON, RICHARD J., US  
[71] INTERNATIONAL COMMUNICATION MATERIALS, INC., US  
[85] 2000-10-26  
[86] 1999-04-30 (PCT/US99/09399)  
[87] 1999-11-11 (WO99/56966)  
[30] US (09/071,590) 1998-05-01

[21] **2,330,607**  
[13] A1

[51] **Int.Cl. 6A01N 47/24 6A01N 47/12 6A01N 47/18 6A01N 37/50**  
[25] EN  
[54] **FUNGICIDAL MIXTURES**  
[54] **MELANGES FONGICIDES**  
[72] SAUTER, HUBERT, DE  
[72] GROTE, THOMAS, DE  
[72] AMMERMANN, EBERHARD, DE  
[72] STRATHMANN, SIEGFRIED, DE  
[72] EICKEN, KARL, DE  
[72] LORENZ, GISELA, DE  
[72] SAUR, REINHOLD, DE  
[72] SCHELBERGER, KLAUS, DE  
[72] SCHERER, MARIA, DE  
[71] BASF AKTIENGESELLSCHAFT, DE  
[85] 2000-10-31  
[86] 1999-04-23 (PCT/EP99/02729)  
[87] 1999-11-11 (WO99/56551)  
[30] DE (198 19 628.8) 1998-05-04

[21] **2,330,608**  
[13] A1

[51] **Int.Cl. 6G06F 17/00**  
[25] EN  
[54] **E-MAIL CLIENT WITH PROGRAMMABLE ADDRESS ATTRIBUTES**  
[54] **CLIENT COURRIER ELECTRONIQUE AVEC ATTRIBUTS D'ADRESSAGE PROGRAMMABLES**  
[72] KIKINIS, DAN, US  
[71] GENESYS TELECOMMUNICATIONS LABORATORIES, INC., US  
[85] 2000-10-31  
[86] 1999-06-07 (PCT/US99/12781)  
[87] 1999-12-29 (WO99/67718)  
[30] US (09/102,741) 1998-06-22

[21] **2,330,609**  
[13] A1

[51] **Int.Cl. 6F02M 23/00 6F02B 19/16 6F02B 75/40**  
[25] EN  
[54] **MULTI-FUEL ENGINE**  
[54] **MOTEUR POLYCARBURANT**  
[72] ALLEN, CHARLES ANDREW, US  
[71] CUYUNA ENGINE COMPANY INC. DOING BUSINESS AS 2 STROKE INTERNATIONAL, US  
[85] 2000-10-30  
[86] 1999-05-03 (PCT/US99/09691)  
[87] 1999-11-11 (WO99/57427)  
[30] US (60/084,040) 1998-05-04

[21] **2,330,610**  
[13] A1

[51] **Int.Cl. 6A61K 39/39 6A61K 39/00**  
[25] EN  
[54] **ADJUVANT COMPOSITION AND METHODS FOR ITS USE**  
[54] **COMPOSITION D'ADJUVANT ET PROCEDES D'UTILISATION DE CELLE-CI**  
[72] LEESMAN, GLEN D., US  
[71] CORIXA CORPORATION, US  
[85] 2000-10-30  
[86] 1999-05-07 (PCT/US99/09978)  
[87] 1999-11-11 (WO99/56776)  
[30] US (60/084,678) 1998-05-07

[21] **2,330,611**  
[13] A1

[51] **Int.Cl. 6A61K 39/385 6A61K 47/48**  
[25] EN  
[54] **BIFUNCTIONAL MOLECULES AND THERAPIES BASED THEREON**  
[54] **MOLECULES BIFONCTIONNELLES ET THERAPIES BASEES SUR CELLES-CI**  
[72] BRIESEWITZ, ROGER, US  
[72] CRABTREE, GERALD R., US  
[72] WANDLESS, THOMAS, US  
[72] RAY, GREGORY THOMAS, US  
[72] VOGEL, KURT WILLIAM, US  
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US  
[85] 2000-10-30  
[86] 1999-05-21 (PCT/US99/11296)  
[87] 1999-12-02 (WO99/61055)  
[30] US (60/086,451) 1998-05-22

[21] **2,330,613**  
[13] A1

[51] **Int.Cl. 6A61M 25/00**  
[25] EN  
[54] **FLOW DIRECTED CATHETER**  
[54] **CATHETER DIRIGE PAR LE FLUX SANGUIN**  
[72] CHOW, SEAN L., US  
[71] MICRO THERAPEUTICS, INC., US  
[85] 2000-10-26  
[86] 1999-04-28 (PCT/US99/09488)  
[87] 1999-11-04 (WO99/55407)  
[30] US (09/066,861) 1998-04-28

[21] **2,330,614**  
[13] A1

[51] **Int.Cl. 6C12N 9/00 6D06M 16/00 6C11D 3/386 6C12N 9/42**  
[25] EN  
[54] **LAUNDRY DETERGENT AND/OR FABRIC CARE COMPOSITIONS COMPRISING A MODIFIED ENZYME**  
[54] **COMPOSITIONS DE DETERGENT A LESSIVE ET/OU D'ENTRETIEN DE TISSUS CONTENANT UNE ENZYME MODIFIEE**  
[72] BOYER, STANTON LANE, US  
[72] BUSCH, ALFRED, BE  
[72] BETTIOL, JEAN-LUC PHILIPPE, BE  
[72] SMETS, JOHAN, BE  
[71] THE PROCTER & GAMBLE COMPANY, US  
[85] 2000-10-30  
[86] 1999-04-30 (PCT/US99/09453)  
[87] 1999-11-11 (WO99/57252)  
[30] US (PCT/US98/08856) 1998-05-01

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[21] **2,330,615**  
[13] A1  
[51] **Int.Cl. 7A47J 31/06 7B65D 81/00**  
[25] EN  
[54] **DISPOSABLE FILTER  
CARTRIDGE FOR COFFEE OR THE  
LIKE**  
[54] **FILTRE A CAFE OU ANALOGUE  
JETABLE**  
[72] BARON, YVES, CA  
[71] CONSULTATION YVES BARON  
INC., CA  
[85] 2000-10-31  
[86] 2000-03-01 (PCT/CA00/00214)  
[87] 2000-09-08 (WO00/51478)  
[30] US (60/122,387) 1999-03-02

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[21] **2,330,616**  
[13] A1  
[51] **Int.Cl. 6A61L 2/02 6A61L 2/18**  
[25] EN  
[54] **GENERATION OF ACTIVE  
CHLORINE IN THE PRESENCE OF AN  
ORGANIC LOAD FROM SODIUM  
CHLORIDE IN WATER**  
[54] **PRODUCTION DE CHLORE ACTIF  
A PARTIR DE CHLORURE DE SODIUM  
EN SOLUTION DANS L'EAU EN  
PRESENCE D'UNE CHARGE  
ORGANIQUE**  
[72] SELL, JASON M., US  
[72] WOJCIECK, BRIAN C., US  
[72] FRICKER, CHRISTOPHER M., US  
[72] MALCHESKY, PAUL S., US  
[71] STERIS CORPORATION, US  
[85] 2000-10-26  
[86] 1999-04-27 (PCT/US99/09212)  
[87] 1999-11-04 (WO99/55389)  
[30] US (09/067,278) 1998-04-27

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[21] **2,330,617**  
[13] A1  
[51] **Int.Cl. 6G06F 1/16 6G06F 3/00**  
[25] EN  
[54] **HAND-HELD COMPUTER  
APPARATUS WITH THREE BUTTON  
INTERFACE AND METHODS  
REGARDING SAME**  
[54] **APPAREIL INFORMATIQUE  
PORTATIF DOTE D'UNE INTERFACE  
A TROIS BOUTONS ET PROCEDES  
CORRESPONDANTS**  
[72] HELGESON, MICHAEL A., US  
[72] LEE, JAMES C., US  
[72] GUERLAIN, STEPHANIE A., US  
[72] NELSON, SCOTT A., US  
[72] REINHART, WILLIAM, US  
[72] SOKEN, NELSON H., BE  
[71] HONEYWELL INC., US  
[85] 2000-10-31  
[86] 1999-05-03 (PCT/US99/09524)  
[87] 1999-11-11 (WO99/57628)  
[30] US (09/071,489) 1998-05-01

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[21] **2,330,618**  
[13] A1  
[51] **Int.Cl. 6A61K 39/21 6C07H 21/00  
6C12N 7/01 6C07H 21/04 6C07K 16/10  
6C07K 14/15**  
[25] EN  
[54] **VIRAL CHIMERAS COMPRISED  
OF CAEV AND HIV-1 GENETIC  
ELEMENTS**  
[54] **CHIMERES VIRALES  
COMPRENANT DES ELEMENTS  
GENETIQUES DE CAEV ET DE VIH-1**  
[72] DOUVAS, ANGELINE, US  
[72] PARR, TYLER B., US  
[71] UNIVERSITY OF SOUTHERN  
CALIFORNIA, US  
[85] 2000-10-30  
[86] 1999-04-30 (PCT/US99/06556)  
[87] 1999-11-11 (WO99/56774)  
[30] US (60/083,652) 1998-04-30  
[30] US (09/302,171) 1999-04-29

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[21] **2,330,619**  
[13] A1  
[51] **Int.Cl. 6A61K 38/00**  
[25] EN  
[54] **N1-MODIFIED GLYCOPEPTIDES  
[54] GLYCOPEPTIDES N1-MODIFIES**  
[72] WILKIE, STEPHEN CHARLES, US  
[72] THOMPSON, RICHARD CRAIG, US  
[71] ELI LILLY AND COMPANY, US  
[85] 2000-10-31  
[86] 1999-02-26 (PCT/US99/04306)  
[87] 1999-11-11 (WO99/56760)  
[30] US (60/083,879) 1998-05-01

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[21] **2,330,620**  
[13] A1  
[51] **Int.Cl. 6C07D 333/74 6A61K 31/34  
6A61K 31/38 6C07D 209/60 6C07D 307/92**  
[25] EN  
[54] **BENZOTHIOPHENES,  
BENZOFURANS, AND INDOLES  
USEFUL IN THE TREATMENT OF  
INSULIN RESISTANCE AND  
HYPERGLYCEMIA**  
[54] **BENZOTHIOPHENES,  
BENZOFURANES ET INDOLES UTILES  
DANS LE TRAITEMENT DE LA  
RESISTANCE INSULINIQUE ET DE  
L'HYPERGLYCEMIE**  
[72] ANTANE, MADELENE MIYOKO, US  
[72] DIETRICH, ARLENE JOAN, US  
[72] WROBEL, JAY EDWARD, US  
[71] AMERICAN HOME PRODUCTS  
CORPORATION, US  
[85] 2000-10-30  
[86] 1999-05-10 (PCT/US99/10209)  
[87] 1999-12-02 (WO99/61435)  
[30] US (09/076,712) 1998-05-12

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[21] **2,330,621**  
[13] A1  
[51] **Int.Cl. 6C07F 5/02 6C07C 45/00**  
[25] EN  
[54] **PURIFICATION OF  
CARBOXALDEHYDE  
[54] PURIFICATION DE  
CARBOXALDEHYDE**  
[72] BERGLUND, RICHARD ALAN, US  
[71] ELI LILLY AND COMPANY, US  
[85] 2000-10-31  
[86] 1999-03-15 (PCT/US99/05666)  
[87] 1999-11-11 (WO99/57123)  
[30] US (60/084,299) 1998-05-05



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[21] **2,330,622**  
[13] A1

[51] **Int.Cl. 7C08F 10/00 7C08F 2/00 7C08F 2/38 7C08F 2/40 7C08F 2/42**  
[25] EN  
[54] **A CATALYST COMPOSITION AND METHODS FOR ITS PREPARATION AND USE IN A POLYMERIZATION PROCESS**  
[54] **COMPOSITION CATALYTIQUE ET SES PROCEDES DE PREPARATION ET D'UTILISATION DANS UN PROCESSUS DE POLYMERISATION**  
[72] WENZEL, TIMOTHY T., US  
[71] UNIVATION TECHNOLOGIES LLC, US  
[85] 2000-10-26  
[86] 1999-11-29 (PCT/US99/28193)  
[87] 2000-06-22 (WO00/35968)  
[30] US (09/215,432) 1998-12-17  
[30] US (09/392,421) 1999-09-09  
[30] US (09/392,417) 1999-09-09

[21] **2,330,623**  
[13] A1

[51] **Int.Cl. 6C07D 333/74 6C07D 409/10 6A61K 31/34 6A61K 31/38 6C07D 307/77**  
[25] EN  
[54] **11-ARYL-BENZO-B|NAPHTHO-2,3-D|FURANS AND 11-ARYL-BENZO-B|NAPHTHO-2,3-D|THIOPHENES USEFUL IN THE TREATMENT OF INSULIN RESISTANCE AND HYPERGLYCEMIA**  
[54] **11-ARYL-BENZO-B|NAPHTHO-2,3-D|FURANES ET 11-ARYL-BENZO-B|NAPHTHO-2,3-D|THIOPHENES UTILES DANS LES TRAITEMENTS DE LA RESISTANCE INSULINIQUE ET DE L'HYPERGLYCEMIE**  
[72] WROBEL, JAY EDWARD, US  
[72] DIETRICH, ARLENE JOAN, US  
[72] LI, ZENAN, US  
[71] AMERICAN HOME PRODUCTS CORPORATION, US  
[85] 2000-10-30  
[86] 1999-05-10 (PCT/US99/10185)  
[87] 1999-11-18 (WO99/58521)  
[30] US (09/076,592) 1998-05-12

[21] **2,330,624**  
[13] A1

[51] **Int.Cl. 7H02K 1/18 7H02K 15/02 7H02K 11/04 7H02K 29/08 7H02K 5/10 7H02K 1/14**  
[25] EN  
[54] **ELECTRIC MOTOR WITH STATOR CORE AND DISTINCT POLE PIECES AND ASSEMBLY METHOD**  
[54] **MOTEUR ELECTRIQUE COMPRENANT UN NOYAU DE STATOR ET DES PIECES POLAIRES DISTINCTES, PROCEDE D'ASSEMBLAGE DE CE MOTEUR ELECTRIQUE**  
[72] HOLLENBECK, ROBERT KEITH, US  
[72] THOMPSON, GREGORY, ALAN, US  
[72] HALL, JEFFREY A., US  
[72] GRIMM, JAMES EVERETT, US  
[72] BOBAY, DENNIS PATRICK, US  
[72] GOLM, NORMAN C., JR., US  
[71] GENERAL ELECTRIC COMPANY, US  
[85] 2000-10-26  
[86] 2000-03-27 (PCT/US00/08039)  
[87] 2000-09-28 (WO00/57536)  
[30] US (09/276,185) 1999-03-25

[21] **2,330,625**  
[13] A1

[51] **Int.Cl. 6G06K 7/00**  
[25] EN  
[54] **METHODS AND APPARATUS FOR DYNAMIC SMARTCARD SYNCHRONIZATION AND PERSONALIZATION**  
[54] **PROCEDE ET APPAREIL DE PERSONNALISATION ET DE SYNCHRONISATION DYNAMIQUE DE CARTE A PUCE**  
[72] HOHLE, WILLIAM, US  
[71] AMERICAN EXPRESS TRAVEL RELATED SERVICES COMPANY, INC., US  
[85] 2000-10-31  
[86] 1999-05-04 (PCT/US99/09731)  
[87] 1999-11-11 (WO99/57675)  
[30] US (09/073,618) 1998-05-06

[21] **2,330,626**  
[13] A1

[51] **Int.Cl. 6G01F 23/292**  
[25] EN  
[54] **REMOTE SENSOR HEAD FOR LASER LEVEL MEASUREMENT DEVICES**  
[54] **TETE DE TELECAPTEUR POUR DISPOSITIFS DE MESURE DE NIVEAUX AU LASER**  
[72] HARRISON, JOHN, US  
[72] CLIFFORD, BRUCE, CA  
[71] LASER TECHNOLOGY, INC., US  
[85] 2000-10-26  
[86] 1999-04-28 (PCT/IB99/00845)  
[87] 1999-11-04 (WO99/56093)  
[30] US (09/069,447) 1998-04-29

[21] **2,330,627**  
[13] A1

[51] **Int.Cl. 6H04B 10/18 6G02B 6/16**  
[25] EN  
[54] **DISPERSION MANAGED OPTICAL WAVEGUIDE AND SYSTEM WITH DISTRIBUTED AMPLIFICATION**  
[54] **GUIDE D'ONDES OPTIQUES GERE PAR DISPERSION ET SYSTEME AVEC AMPLIFICATION DISTRIBUEE**  
[72] BHAGAVATULA, VENKATA A., US  
[72] EVANS, ALAN F., US  
[71] CORNING INCORPORATED, US  
[85] 2000-10-31  
[86] 1999-04-14 (PCT/US99/08157)  
[87] 1999-11-11 (WO99/57822)  
[30] US (60/083,980) 1998-05-01

[21] **2,330,628**  
[13] A1

[51] **Int.Cl. 6C12Q 1/68**  
[25] EN  
[54] **METHOD FOR DIAGNOSING A VASCULAR CONDITION**  
[54] **PROCEDE DE DIAGNOSTIC SUR L'ETAT DU SYSTEME VASCULAIRE**  
[72] ADAMS, MICHAEL A., CA  
[72] BRIEN, SUSAN E., CA  
[72] HEATON, JEREMY P. W., CA  
[72] GRAHAM, CHARLES H., CA  
[71] QUEEN'S UNIVERSITY AT KINGSTON, CA  
[85] 2000-10-30  
[86] 1999-04-30 (PCT/CA99/00355)  
[87] 1999-11-11 (WO99/57306)  
[30] US (60/083,763) 1998-05-01

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[21] **2,330,629**  
[13] A1

[51] **Int.Cl. 6G01N 33/487 6A61B 5/00**  
[25] EN  
[54] **METHOD AND DEVICE FOR PREDICTING PHYSIOLOGICAL VALUES**  
[54] **PROCEDE ET DISPOSITIF PERMETTANT DE PREVOIR DES VALEURS DE MESURES PHYSIOLOGIQUES**  
[72] KURNIK, RONALD T., US  
[71] CYGNUS, INC., US  
[85] 2000-10-26  
[86] 1999-05-11 (PCT/US99/10377)  
[87] 1999-11-18 (WO99/58973)  
[30] US (60/085,341) 1998-05-13

[21] **2,330,630**  
[13] A1

[51] **Int.Cl. 6C09K 5/06 6F28D 20/02**  
[25] EN  
[54] **MICROWAVE-ACTIVATED LATENT HEAT ACCUMULATOR BODIES**  
[54] **ELEMENTS ACCUMULATEURS DE CHALEUR LATENTE POUVANT ETRE ACTIVES PAR DES HYPERFREQUENCES**  
[72] BUTTNER, DIRK CARSTEN, DE  
[72] GUTBERLET, HELMUT, DE  
[72] FIEBACK, KLAUS, DE  
[71] SCHUMANN SASOL GMBH, DE  
[85] 2000-10-30  
[86] 1999-03-18 (PCT/EP99/01809)  
[87] 1999-11-04 (WO99/55795)  
[30] DE (198 19 171.5) 1998-04-29  
[30] DE (198 22 541.5) 1998-05-19  
[30] DE (198 36 048.7) 1998-08-10

[21] **2,330,631**  
[13] A1

[51] **Int.Cl. 6A61F 2/64**  
[25] EN  
[54] **KNEE PROSTHESIS**  
[54] **PROTHESE DE L'ARTICULATION DU GENOU**  
[72] GRAMNAS, FINN, SE  
[71] GRAMTEC INNOVATION AB, SE  
[85] 2000-12-26  
[86] 1999-04-27 (PCT/SE99/00690)  
[87] 1999-11-04 (WO99/55261)  
[30] US (60/083,318) 1998-04-28  
[30] SE (9802515-8) 1998-07-13

[21] **2,330,633**  
[13] A1

[51] **Int.Cl. 6H02G 3/00**  
[25] EN  
[54] **TELECOMMUNICATIONS CABLING ARRANGEMENT**  
[54] **SYSTEME DE CABLAGE DE TELECOMMUNICATION**  
[72] SNOW, RICHARD HERBERT, US  
[72] PICKLES, TIMOTHY JAMES, US  
[72] EMERY, DAVID E., US  
[72] REDDIG, RALPH, US  
[72] JOHNSON, ROSS S., US  
[71] KRONE AKTIENGESELLSCHAFT, DE  
[71] HAWORTH, INC., US  
[85] 2000-10-26  
[86] 1999-04-27 (PCT/US99/09130)  
[87] 1999-11-04 (WO99/56365)  
[30] US (09/067,070) 1998-04-27

[21] **2,330,634**  
[13] A1

[51] **Int.Cl. 6A61F 13/20**  
[25] EN  
[54] **SYSTEM AND METHOD FOR FACILITATING HEMOSTASIS OF BLOOD VESSEL PUNCTURES WITH ABSORBABLE SPONGE**  
[54] **SYSTEME ET PROCEDE PERMETTANT DE FACILITER L'HEMOSTASE D'UN SITE DE PONCTION DANS DES VAISSEAUX SANGUINS AVEC UN TAMPON SPONGE ABSORBABLE**  
[72] CRAGG, ANDREW H., US  
[72] BRENNEMAN, RODNEY, US  
[72] ASHBY, MARK, US  
[71] SUB Q, INC., US  
[85] 2000-10-30  
[86] 1999-04-23 (PCT/US99/08904)  
[87] 1999-11-11 (WO99/56692)  
[30] US (09/071,284) 1998-05-01

[21] **2,330,635**  
[13] A1

[51] **Int.Cl. 6H04N 7/00 6H04N 7/088**  
[25] EN  
[54] **ENVIRONMENT SIMULATION APPARATUS AND METHOD**  
[54] **APPAREIL ET PROCEDE DE SIMULATION D'ENVIRONNEMENT**  
[72] ALM, RICHARD RONALD, CA  
[71] EDTI EXHIBIT MANAGEMENT INC., CA  
[85] 2000-10-30  
[86] 1999-05-05 (PCT/CA99/00411)  
[87] 1999-11-11 (WO99/57896)  
[30] US (09/072,649) 1998-05-05

[21] **2,330,636**  
[13] A1

[51] **Int.Cl. 6F26B 3/28**  
[25] EN  
[54] **METHOD AND DEVICE FOR DRYING A RAPIDLY CONVEYED PRODUCT TO BE DRIED, ESPECIALLY FOR DRYING PRINTING INK**  
[54] **PROCEDE ET DISPOSITIF POUR LE SECHAGE D'UN PRODUIT DEFILANT RAPIDEMENT, NOTAMMENT POUR LE SECHAGE D'ENCRE D'IMPRIMERIE**  
[72] BAR, KAI K. O., DE  
[72] GAUS, RAINER, DE  
[71] ADVANCED PHOTONICS TECHNOLOGIES AG, DE  
[85] 2000-08-22  
[86] 1999-02-18 (PCT/EP99/01057)  
[87] 1999-08-26 (WO99/42774)  
[30] DE (198 07 643.6) 1998-02-23

[21] **2,330,637**  
[13] A1

[51] **Int.Cl. 6G01B 11/02**  
[25] EN  
[54] **IMPROVED DEVICE FOR MEASURING THE CONCENTRATION OF AIRBORNE FIBERS**  
[54] **DISPOSITIF PERFECTIONNE SERVANT A MESURER LA CONCENTRATION DE FIBRES EN SUSPENSION DANS L'AIR**  
[72] ENCE, BRIAN MILLER, US  
[71] CERTAINTED CORPORATION, US  
[85] 2000-10-30  
[86] 1999-04-30 (PCT/US99/09612)  
[87] 1999-11-11 (WO99/57534)  
[30] US (09/071,818) 1998-05-01

[21] **2,330,638**  
[13] A1

[51] **Int.Cl. 6H03J 1/00**  
[25] EN  
[54] **CONTROL DEVICE FOR A RADIO RECEIVER**  
[54] **DISPOSITIF DE COMMANDE POUR RECEPTEUR RADIO**  
[72] BIDE, STEPHEN, DK  
[71] BIDE, STEPHEN, DK  
[85] 2000-10-30  
[86] 1999-04-30 (PCT/GB99/01352)  
[87] 1999-11-11 (WO99/57808)  
[30] GB (9809437.8) 1998-05-01

## PCT Applications Entering the National Phase

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| <p style="text-align: right;">[21] <b>2,330,639</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 6A61K 39/395 6G01N 33/531</b><br/>[25] EN<br/>[54] <b>METHOD FOR PRODUCING A SPECIFIC ANTISERUM AGAINST THE UNIVERSAL TUMOROUS ANTIGEN AND METHOD FOR DIAGNOSING MALIGNANT TUMOURS USING SAID ANTISERUM</b><br/>[54] <b>PROCEDE PERMETTANT D'OBTENIR UN ANTISERUM SPECIFIQUE CONTRE L'ANTIGENE TUMORAL UNIVERSEL ET PROCEDE DE DIAGNOSTIC DE TUMEURS MALIGNES A L'AIDE DE CET ANTISERUM</b><br/>[72] ERKHOV, VALENTIN SERGEEVICH (Deceased), RU<br/>[71] FREMISUR, S.A., UY<br/>[85] 2000-10-18<br/>[86] 1998-05-18 (PCT/RU98/00143)<br/>[87] 1999-10-28 (WO99/53952)<br/>[30] RU (98106976) 1998-04-20</p> | <p style="text-align: right;">[21] <b>2,330,641</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 6C07D 477/20 6A61K 31/40</b><br/>[25] EN<br/>[54] <b>CARBAPENEM DERIVATIVES, UTILIZATION THEREOF AND INTERMEDIATE COMPOUNDS OF THE SAME</b><br/>[54] <b>DERIVES DE CARBAPENEM, SON UTILISATION ET COMPOSES INTERMEDIAIRES A BASE DE CARBAPENEM</b><br/>[72] MATSUI, HIROSHI, JP<br/>[71] KYOTO PHARMACEUTICAL INDUSTRIES, LTD., JP<br/>[85] 2000-10-31<br/>[86] 1999-04-28 (PCT/JP99/02301)<br/>[87] 1999-11-11 (WO99/57121)<br/>[30] JP (10/122499) 1998-05-01<br/>[30] JP (10/203730) 1998-07-17</p>  | <p style="text-align: right;">[21] <b>2,330,644</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 6A61K 47/00</b><br/>[25] EN<br/>[54] <b>SOLUTION CONTAINING NICOTINE</b><br/>[54] <b>SOLUTION A BASE DE NICOTINE</b><br/>[72] ROSE, JED E., US<br/>[72] WESTMAN, ERIC C., US<br/>[72] TOMLIN, KEITH F., US<br/>[71] DUKE UNIVERSITY, US<br/>[85] 2000-10-30<br/>[86] 1999-04-21 (PCT/US99/08752)<br/>[87] 1999-11-04 (WO99/55371)<br/>[30] US (09/070,263) 1998-04-30</p>  |
| <p style="text-align: right;">[21] <b>2,330,640</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 6H05K 7/14</b><br/>[25] EN<br/>[54] <b>CARD GUIDE INCLUDING AIR DEFLECTOR MEANS AND AIR DEFLECTOR MEANS FOR A COOLING CARD GUIDE</b><br/>[54] <b>GUIDE-CARTE AVEC ORGANES DEFLECTEURS D'AIR ET ORGANES DEFLECTEURS D'AIR POUR GUIDE-CARTE DE REFROIDISSEMENT</b><br/>[72] HAYWARD, MICHAEL C., US<br/>[72] REHLANDER, RICHARD N., US<br/>[71] HYBRICON CORPORATION, US<br/>[85] 2000-10-30<br/>[86] 1999-04-30 (PCT/US99/09445)<br/>[87] 1999-11-25 (WO99/60834)<br/>[30] US (60/085,627) 1998-05-15<br/>[30] US (09/094,179) 1998-06-09</p>  | <p style="text-align: right;">[21] <b>2,330,642</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 6E04D 13/18 6F28F 3/12 6F24J 2/20</b><br/>[25] EN<br/>[54] <b>HEAT EXCHANGE ASSEMBLY</b><br/>[54] <b>ENSEMBLE D'ECHANGE THERMIQUE</b><br/>[72] MORRIS, GEOFFREY R., AU<br/>[71] MORRIS, GEOFFREY R., AU<br/>[85] 2000-10-30<br/>[86] 1999-04-28 (PCT/AU99/00320)<br/>[87] 1999-11-04 (WO99/55984)<br/>[30] AU (PP 3292) 1998-04-29</p>  | <p style="text-align: right;">[21] <b>2,330,646</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 6A23L 1/00</b><br/>[25] EN<br/>[54] <b>METHOD FOR DETERMINING DELETERIOUS BACTERIAL GROWTH IN PACKAGED FOOD UTILIZING HYDROPHILIC POLYMERS</b><br/>[54] <b>PROCEDE PERMETTANT DE DETERMINER UNE CROISSANCE BACTERIENNE NEFASTE DANS DES PRODUITS ALIMENTAIRES CONDITIONNES A L'AIDE DE POLYMERES HYDROPHILES</b><br/>[72] HORAN, THOMAS J. (deceased), US<br/>[71] THOMAS J. HORAN FAMILY TRUST, US<br/>[71] STOLTENBERG, RUBEN J., US<br/>[71] LAIRD, EDWIN C., US<br/>[71] STOLTENBERG, HERBERT W., US<br/>[85] 2000-10-30<br/>[86] 1999-05-12 (PCT/US99/10537)<br/>[87] 1999-11-25 (WO99/59431)<br/>[30] US (09/079,797) 1998-05-15</p> |
|  | <p style="text-align: right;">[21] <b>2,330,643</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 6G08C 19/16 6G08B 23/00 6G08C 19/00 6H04M 11/00 6G01R 19/00 6G01R 21/00 6G08C 15/06 6G08C 19/20</b><br/>[25] EN<br/>[54] <b>WIRELESS AREA NETWORK COMMUNICATIONS MODULE FOR UTILITY METERS</b><br/>[54] <b>MODULE DE COMMUNICATION SANS FIL AVEC UN RESEAU DE JONCTION, POUR COMPTEURS DE CONSOMMATION</b><br/>[72] CUNNINGHAM, CHARLES JR., US<br/>[72] LOY, GARRY M., US<br/>[72] MEYER, PETER R., US<br/>[72] DUNN, DAVID E., US<br/>[72] HEMMINGER, RODNEY C., US<br/>[71] ABB POWER T &amp; D COMPANY INC., US<br/>[85] 2000-10-31<br/>[86] 1999-04-29 (PCT/US99/09361)<br/>[87] 1999-11-11 (WO99/57697)<br/>[30] US (60/083,949) 1998-05-01</p> |   |

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[21] **2,330,647**  
[13] A1

[51] **Int.Cl. 7A61K 31/205 7A61P 9/04**  
[25] EN  
[54] **CARNITINE SUPPLEMENTED DIET TO PREVENT OR ALLEVIATE ASCITES IN BROILER TYPE POULTRY**  
[54] **REGIME ALIMENTAIRE ENRICHIS PAR ADJONCTION DE CARNITINE POUR PREVENIR LES ASCITES OU EN ATTENUER LES EFFETS CHEZ LES VOLAILLES A GRILLER**  
[72] TEETER, ROBERT G., US  
[72] OWEN, KEVIN Q., US  
[72] VANHOOSER, STANLEY L., US  
[71] LONZA AG, CH  
[71] THE BOARD OF REGENTS FOR OKLAHOMA STATE UNIVERSITY, US  
[85] 2000-10-31  
[86] 2000-03-23 (PCT/EP00/02603)  
[87] 2000-09-28 (WO00/56330)  
[30] US (09/273,653) 1999-03-23

[21] **2,330,655**  
[13] A1

[51] **Int.Cl. 6G11B 33/02**  
[25] EN  
[54] **CONSUMER REPLACEABLE DATA PLAYER DOOR**  
[54] **LECTEUR DE DONNEES PORTABLE A COUVERCLE AMOVIBLE**  
[72] SRIKUMAR, ACHUTHAN, FR  
[71] THOMSON MULTIMEDIA, FR  
[85] 2000-10-31  
[86] 1999-05-12 (PCT/EP99/03283)  
[87] 1999-11-18 (WO99/59152)  
[30] EP (98401162.7) 1998-05-14

[21] **2,330,656**  
[13] A1

[51] **Int.Cl. 7H04L 12/56 7H04Q 11/04**  
[25] EN  
[54] **ROUTING AND SIGNALING IN A SONET NETWORK**  
[54] **ACHEMINEMENT ET SIGNALISATION DANS UN RESEAU SONET**  
[72] TEDIJANTE, THEODORE E., US  
[72] PERKINS, DREW D., US  
[72] LU, BIAO, US  
[72] GULATI, NEERAJ, US  
[71] CIENA CORPORATION, US  
[85] 2000-10-31  
[86] 2000-03-01 (PCT/US00/05174)  
[87] 2000-09-08 (WO00/52890)  
[30] US (09/259,263) 1999-03-01

[21] **2,330,658**  
[13] A1

[51] **Int.Cl. 6A61B 17/02**  
[25] EN  
[54] **ILLUMINATED SURGICAL RETRACTOR**  
[54] **ECARTEUR CHIRURGICAL ECLAIRE**  
[72] HIPPS, W. MICHAEL, US  
[72] CAMPBELL, ROBERT F., US  
[71] GENZYME CORPORATION, US  
[85] 2000-10-31  
[86] 1999-04-28 (PCT/US99/09230)  
[87] 1999-11-11 (WO99/56633)  
[30] US (09/071,786) 1998-05-01

[21] **2,330,660**  
[13] A1

[51] **Int.Cl. 6A61K 48/00**  
[25] EN  
[54] **MUSCLE-DERIVED CELL MEDIATED GENE DELIVERY FOR TREATING MUSCLE- AND BONE-RELATED INJURY OR DYSFUNCTION**  
[54] **TRANSPORT DE GENE EFFECTUE PAR L'INTERMEDIAIRE D'UNE CELLULE DE MUSCLE PERMETTANT DE TRAITER LES LESIONS OU LES DYSFONCTIONS MUSCULAIRES OU OSSEUSES**  
[72] HUARD, JOHNNY, US  
[72] CHANCELLOR, MICHAEL B., US  
[71] UNIVERSITY OF PITTSBURGH, US  
[85] 2000-10-31  
[86] 1999-04-30 (PCT/US99/09451)  
[87] 1999-11-11 (WO99/56785)  
[30] US (60/083,917) 1998-05-01

[21] **2,330,662**  
[13] A1

[51] **Int.Cl. 6G01N 29/10**  
[25] EN  
[54] **METHOD AND APPARATUS FOR ULTRASONIC FLAW DETECTION**  
[54] **PROCEDE ET APPAREIL DE DETECTION DE FAILLES PAR ULTRASON**  
[72] TAKADA, HAJIME, JP  
[72] YARITA, IKUO, JP  
[72] TORAO, AKIRA, JP  
[71] KAWASAKI STEEL CORPORATION, JP  
[85] 2000-10-31  
[86] 1999-03-03 (PCT/JP99/01024)  
[87] 2000-09-08 (WO00/52460)

[21] **2,330,684**  
[13] A1

[51] **Int.Cl. 6A47J 39/00 6A47J 27/16**  
[25] EN  
[54] **METHOD, DEVICE AND RECEPTACLE FOR HEATING PREPARED MEALS**  
[54] **PROCEDE, DISPOSITIF ET CONTENANT POUR RECHAUFFER DES ALIMENTS DEJA PREPARES**  
[72] WALTER, HUBERT ERIC, DE  
[71] WALTER, HUBERT ERIC, DE  
[85] 2000-10-26  
[86] 1999-04-26 (PCT/DE99/01249)  
[87] 1999-11-04 (WO99/55212)  
[30] DE (198 18 831.5) 1998-04-27

[21] **2,330,685**  
[13] A1

[51] **Int.Cl. 6C07D 405/12**  
[25] EN  
[54] **PROCESS FOR MAKING 1,3-DISUBSTITUTED-4-OXOCYCLIC UREAS**  
[54] **PROCEDE DE FABRICATION D'UREES 1, 3-DESUBSTITUEES- 4-OXOCYCLIQUES**  
[72] MATSON, PATRICIA ANN, US  
[72] GODLEWSKI, MICHAEL SELDEN, US  
[71] THE PROCTER & GAMBLE COMPANY, US  
[85] 2000-10-26  
[86] 1999-04-27 (PCT/US99/09093)  
[87] 1999-11-04 (WO99/55701)  
[30] US (60/083,406) 1998-04-29

[21] **2,330,686**  
[13] A1

[51] **Int.Cl. 6C07D 405/12**  
[25] EN  
[54] **PROCESS FOR MAKING 1,3-DISUBSTITUTED-4-OXOCYCLIC UREAS**  
[54] **PROCEDE DE FABRICATION D'UREES 1, 3-DESUBSTITUEES- 4-OXOCYCLIQUES**  
[72] GUGGISBERG, YVES, US  
[72] GODLEWSKI, MICHAEL SELDEN, US  
[72] QUTSON, DANIEL, US  
[72] MATSON, PATRICIA ANN, US  
[71] THE PROCTER & GAMBLE COMPANY, US  
[71] LONZA LTD., CH  
[85] 2000-10-26  
[86] 1999-04-27 (PCT/US99/09092)  
[87] 1999-11-04 (WO99/55700)  
[30] US (60/083,493) 1998-04-29

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[21] **2,330,687**  
[13] A1

[51] **Int.Cl. 6C11D 3/386**  
[25] EN  
[54] **LAUNDRY DETERGENT AND/OR FABRIC CARE COMPOSITIONS COMPRISING A TRANSFERASE**  
[54] **DETERGENT A LESSIVE ET/OU COMPOSITIONS D'ENTRETIEN DES TISSUS COMPRENANT LA TRANSFERASE A**  
[72] BARNABAS, MARY VIJAYARANI, US  
[72] VERMOTE, CHRISTIAN LEO MARIE, BE  
[72] HUBESCH, BRUNO ALBERT JEAN, BE  
[72] SHOWELL, MICHAEL STANFORD, US  
[72] BAECK, ANDRE CESAR, BE  
[72] SMETS, JOHAN, BE  
[72] CONVENTS, ANDRE CHRISTIAN, US  
[71] THE PROCTER & GAMBLE COMPANY, US  
[85] 2000-10-26  
[86] 1998-04-29 (PCT/US98/08629)  
[87] 1999-11-04 (WO99/55817)

[21] **2,330,688**  
[13] A1

[51] **Int.Cl. 6H01R 4/00**  
[25] EN  
[54] **METAL BUS BAR AND TAB APPLICATION METHOD**  
[54] **PROCEDE D'APPLICATION DE BARRE OMNIBUS ET PATTE METALLIQUES**  
[72] SMARTO, JOHN E., US  
[71] PPG INDUSTRIES OHIO, INC., US  
[85] 2000-10-26  
[86] 1999-04-12 (PCT/US99/07964)  
[87] 1999-11-11 (WO99/56571)  
[30] US (09/070,308) 1998-04-30

[21] **2,330,689**  
[13] A1

[51] **Int.Cl. 6G03F 7/11 6C08B 15/06 6C08L 1/10 6C08L 1/12 6C08L 1/14 6C08L 1/26**  
[25] EN  
[54] **FAST-ETCHING, THERMOSETTING ANTI-REFLECTIVE COATINGS DERIVED FROM CELLULOSIC BINDERS**  
[54] **REVETEMENTS ANTIREFLECHISSANTS THERMODURCISSABLES, A GRAVURE RAPIDE, OBTENUS A PARTIR DE LIANTS CELLULOSIQUES**  
[72] BREWER, TERRY LOWELL, US  
[72] MEADOR, JIM D., US  
[72] SHAO, XIE, US  
[71] BREWER SCIENCE, INC., US  
[85] 2000-10-26  
[86] 1999-04-20 (PCT/US99/08801)  
[87] 1999-11-04 (WO99/56178)  
[30] US (09/069,573) 1998-04-29

[21] **2,330,690**  
[13] A1

[51] **Int.Cl. 6A61N 1/40**  
[25] EN  
[54] **AN APPARATUS FOR THE TREATMENT OF DISORDERS OF TISSUE AND/OR THE JOINTS**  
[54] **APPAREIL DE TRAITEMENT DE TROUBLES DES TISSUS ET/OU DES ARTICULATIONS**  
[72] MARKOLL, RICHARD, US  
[71] BIO-MAGNETIC THERAPY SYSTEMS INC., US  
[71] BIO-MAGNETIC THERAPY SYSTEMS, INC., US  
[85] 2000-10-26  
[86] 1999-04-21 (PCT/US99/06541)  
[87] 1999-11-04 (WO99/55420)  
[30] DE (198 19 214.2) 1998-04-29  
[30] US (09/173,789) 1998-10-16

[21] **2,330,691**  
[13] A1

[51] **Int.Cl. 6C07C 29/151**  
[25] EN  
[54] **METHANOL SYNTHESIS**  
[54] **SYNTHESE DU METHANOL**  
[72] FITZPATRICK, TERENCE JAMES, GB  
[71] IMPERIAL CHEMICAL INDUSTRIES PLC, GB  
[85] 2000-10-26  
[86] 1999-04-29 (PCT/GB99/01334)  
[87] 1999-11-25 (WO99/59944)  
[30] GB (9810700.6) 1998-05-20  
[30] GB (9811355.8) 1998-05-28  
[30] GB (9904649.2) 1999-03-02

[21] **2,330,692**  
[13] A1

[51] **Int.Cl. 7C09J 201/00 7C09J 133/00 7A47G 27/02**  
[25] EN  
[54] **DISPERSION OF HOT-MELT ADHESIVE PARTICLES, HEAT-BONDABLE SHEET, INTERIOR MATERIAL, THERMOFORMABLE TEXTILE SHEET, AND CARPET**  
[54] **DISPERSION DE PARTICULES D'ADHESIF THERMOFUSIBLE, FEUILLE THERMOSOUDABLE, MATERIAU INTERIEUR, FEUILLE TEXTILE THERMOFORMABLE ET TAPIS**  
[72] OGAWA, MASANORI, JP  
[72] ITO, KUNINORI, JP  
[72] KIOKA, NORIHIKO, JP  
[71] NAGOYA OILCHEMICAL CO., LTD., JP  
[85] 2000-10-26  
[86] 2000-01-17 (PCT/JP00/00177)  
[87] 2000-09-08 (WO00/52110)  
[30] JP (11/50115) 1999-02-26  
[30] JP (11/126594) 1999-05-07

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[21] **2,330,693**  
[13] A1

[51] **Int.Cl. 6G05B 19/05 6G05B 9/03**  
[25] EN  
[54] **CONTROL SYSTEM, DISPLAY, HOST COMPUTER FOR CONTROL, AND DATA TRANSMITTING METHOD**  
[54] **SYSTEME DE COMMANDE, AFFICHEUR, ORDINATEUR HOTE DE COMMANDE, ET PROCEDE DE TRANSMISSION DE DONNEES**  
[72] YOSHIDA, MINORU, JP  
[72] II, NOBUHIRO, JP  
[72] MORIGAKI, YUICHI, JP  
[72] KATO, SATOSHI, JP  
[72] SHINOHARA, AKIO, JP  
[71] DIGITAL ELECTRONICS CORPORATION, JP  
[85] 2000-10-26  
[86] 1999-04-23 (PCT/JP99/02204)  
[87] 1999-11-04 (WO99/56186)  
[30] JP (10/117117) 1998-04-27  
[30] JP (10/120343) 1998-04-30  
[30] JP (10/148801) 1998-05-29  
[30] JP (10/232600) 1998-08-19  
[30] JP (10/311039) 1998-10-30

[21] **2,330,694**  
[13] A1

[51] **Int.Cl. 6A61M 25/00 6A61M 25/10**  
[25] EN  
[54] **SOFT FLEXIBLE TIPPED BALLOON**  
[54] **BALLONNET A EXTREMITES FLEXIBLES, SOUPLES**  
[72] HORN, DANIEL J., US  
[72] SCHOENLE, VICTOR L., US  
[71] SCIMED LIFE SYSTEMS, INC., US  
[85] 2000-10-27  
[86] 1999-04-12 (PCT/US99/07958)  
[87] 1999-11-18 (WO99/58182)  
[30] US (09/076,252) 1998-05-11

[21] **2,330,695**  
[13] A1

[51] **Int.Cl. 6A61M 37/00**  
[25] EN  
[54] **GAS-DRIVEN SPRAYING OF MIXED SEALANT AGENTS**  
[54] **PULVERISATION A ENTRAINEMENT PAR GAZ POUR MELANGE DE CICATRISANTS**  
[72] EPSTEIN, GORDON H., US  
[72] LEVINSON, MITCHELL E., US  
[71] BAXTER INTERNATIONAL INC., US  
[85] 2000-10-27  
[86] 1999-05-03 (PCT/US99/09663)  
[87] 1999-11-11 (WO99/56815)  
[30] US (60/083,854) 1998-05-01

[21] **2,330,696**  
[13] A1

[51] **Int.Cl. 6A61F 9/007 6A61F 2/32**  
[25] EN  
[54] **SHAPED FLEXIBLE INFUSION SLEEVE**  
[54] **GAINE DE PERFUSION SOUPLE DE FORME APPROPRIEE**  
[72] STRUKEL, IGOR, US  
[71] VIDDA, INC., US  
[85] 2000-10-27  
[86] 1999-04-27 (PCT/US99/09171)  
[87] 1999-11-04 (WO99/55260)  
[30] US (09/067,528) 1998-04-28

[21] **2,330,699**  
[13] A1

[51] **Int.Cl. 6C12N 15/31 6C07K 14/00 6B09C 1/10 6C12N 11/10 6C12N 15/10 6C12N 11/14 6C12N 1/21 6C07K 14/245 6C02F 1/28 6C02F 3/34 6C12N 15/62**  
[25] EN  
[54] **MULTIFUNCTIONAL ADHESIN PROTEINS AND THEIR DISPLAY IN MICROBIAL CELLS**  
[54] **PROTEINES D'ADHESINE MULTIFONCTIONNELLES ET AFFICHAGE DE CES PROTEINES DANS DES CELLULES MICROBIENNES**  
[72] KLEMM, PER, DK  
[72] SCHEMBRI, MARK ANDREW, DK  
[71] GYRE LTD., GB  
[85] 2000-10-27  
[86] 1999-04-21 (PCT/DK99/00223)  
[87] 1999-11-11 (WO99/57276)  
[30] DK (0598/98) 1998-04-30  
[30] US (60/083,794) 1998-05-01

[21] **2,330,701**  
[13] A1

[51] **Int.Cl. 6G05F 1/00**  
[25] EN  
[54] **CONTROL CIRCUIT AND METHOD FOR ILLUMINATING AN ELECTROLUMINESCENT PANEL**  
[54] **CIRCUIT DE COMMANDE ET PROCEDE PERMETTANT D'ECLAIRER UN PANNEAU ELECTROLUMINESCENT**  
[72] FLEMING, JOSEPH W., US  
[72] ROSS, DAVID RICHARD, US  
[72] APPELBERG, GUSTAF T., US  
[72] GEORGE, DOUGLAS A., US  
[71] E-ELITE TECHNOLOGIES, INC., US  
[85] 2000-10-27  
[86] 1999-05-03 (PCT/US99/09662)  
[87] 1999-11-11 (WO99/57618)  
[30] US (09/073,483) 1998-05-06

[21] **2,330,702**  
[13] A1

[51] **Int.Cl. 6E04F 15/14**  
[25] EN  
[54] **MOVEMENT JOINT**  
[54] **JOINT POUR MOBILITE**  
[72] DEVLIN, SEAMUS MICHAEL, GB  
[71] VEXCOLT (UK) LIMITED, GB  
[85] 2000-10-27  
[86] 1999-04-13 (PCT/GB99/01118)  
[87] 1999-11-04 (WO99/55986)  
[30] GB (9808902.2) 1998-04-28

[21] **2,330,703**  
[13] A1

[51] **Int.Cl. 6H04B 1/707**  
[25] EN  
[54] **MULTIPATH CDMA RECEIVER FOR REDUCED PILOT**  
[54] **RECEPTEUR AMCR A VOIES MULTIPLES POUR PILOTE REDUIT**  
[72] OZLUTURK, FATIH M., US  
[72] MESECHER, DAVID K., US  
[72] JACQUES, ALEXANDER M., US  
[71] INTERDIGITAL TECHNOLOGY CORPORATION, US  
[85] 2000-10-27  
[86] 1999-01-27 (PCT/US99/01794)  
[87] 1999-11-18 (WO99/59259)  
[30] US (09/078,417) 1998-05-14

[21] **2,330,704**  
[13] A1

[51] **Int.Cl. 6G03G 9/097**  
[25] EN  
[54] **COLOR TONER**  
[54] **TONER COULEUR**  
[72] POVIRK, CHRISTOPHER A., US  
[72] THOMPSON, RICHARD J., US  
[72] WINFIELD, MARK J., US  
[71] INTERNATIONAL COMMUNICATION MATERIALS, INC., US  
[85] 2000-10-27  
[86] 1999-04-30 (PCT/US99/09400)  
[87] 1999-11-11 (WO99/57608)  
[30] US (09/074,045) 1998-05-07

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[21] **2,330,705**  
[13] A1

[51] **Int.Cl. 6A61B 17/70**  
[25] FR  
[54] **SYSTEME D'OSTEOSYNTHESE RACHIDIENNE POUR UNE FIXATION ANTERIEURE**  
[54] **BACKBONE OSTEOSYNTHESIS SYSTEM FOR ANTERIOR FIXING**  
[72] CONCHY, FREDERIC, FR  
[72] LE COUEDIC, REGIS, FR  
[72] ASSAKER, RICHARD, BE  
[71] DIMSO (DISTRIBUTION MEDICALE DU SUD-OUEST), FR  
[85] 2000-10-27  
[86] 1999-04-29 (PCT/FR99/01019)  
[87] 1999-11-04 (WO99/55246)  
[30] FR (98/05387) 1998-04-29  
[30] FR (98/12662) 1998-10-09

[21] **2,330,706**  
[13] A1

[51] **Int.Cl. 7H04M 11/06**  
[25] EN  
[54] **INTERNET ACCESS SYSTEM OVER LOCAL LOOP LINES**  
[54] **SYSTEME D'ACCES A INTERNET PAR LES LIGNES D'ABONNE**  
[72] LABBE, SAMUEL M., CA  
[72] CRUDER, OLIVER, CA  
[71] SASKTEL, CA  
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[30] US (09/158,569) 1998-09-22

[21] **2,330,738**  
[13] A1

[51] **Int.Cl. 6C07D 471/04 6C07D 221/00 6C07D 491/14 6A61K 31/44**  
[25] EN  
[54] **NOVEL N-OXIDES**  
[54] **NOUVEAUX OXYDES DE N**  
[72] FLOCKERZI, DIETER, DE  
[71] BYK GULDEN LOMBERG CHEMISCHE FABRIK GMBH, DE  
[85] 2000-11-01  
[86] 1999-04-27 (PCT/EP99/02827)  
[87] 1999-11-11 (WO99/57118)  
[30] EP (98108124.3) 1998-05-05

[21] **2,330,739**  
[13] A1

[51] **Int.Cl. 6G06F 9/445**  
[25] EN  
[54] **METHOD AND SYSTEM FOR DISTRIBUTING PROCESSING INSTRUCTIONS WITH DATA TO BE PROCESSED**  
[54] **PROCEDE ET SYSTEME DE DISTRIBUTION D'INSTRUCTIONS DE TRAITEMENT DE DONNEES**  
[72] KARR, BRIAN D., US  
[72] BARTLETT, GREGORY J., US  
[72] MOSES, ROBERT W., US  
[71] DIGITAL HARMONY TECHNOLOGIES, INC., US  
[85] 2000-11-01  
[86] 1999-05-10 (PCT/US99/10255)  
[87] 1999-11-18 (WO99/59060)  
[30] US (60/085,021) 1998-05-11

[21] **2,330,740**  
[13] A1

[51] **Int.Cl. 6G06F 13/10**  
[25] EN  
[54] **METHOD AND SYSTEM FOR PROVIDING AN APPLIANCE USER INTERFACE**  
[54] **PROCEDE ET SYSTEME PERMETTANT DE FOURNIR UN INTERFACE D'UTILISATEUR POUR UN APPAREIL**  
[72] KARR, BRIAN D., US  
[72] BARTLETT, GREGORY J., US  
[72] MOSES, ROBERT W., US  
[71] DIGITAL HARMONY TECHNOLOGIES, INC., US  
[85] 2000-11-01  
[86] 1999-05-11 (PCT/US99/10224)  
[87] 1999-11-18 (WO99/59073)  
[30] US (60/085,021) 1998-05-11

[21] **2,330,741**  
[13] A1

[51] **Int.Cl. 6C12N 15/64**  
[25] EN  
[54] **METHODS OF FORMING PROTEIN-LINKED LIPIDIC MICROPARTICLES, AND COMPOSITIONS THEREOF**  
[54] **PROCEDES DE FORMATION DE MICROPARTICULES LIPIDIQUES LIEES A DES PROTEINES ET LEURS COMPOSITIONS**  
[72] ZHENG, WEIWEI, US  
[72] HONG, KEELUNG, US  
[72] PAPAHDADJOPOULOS, DEMETRIOS, US  
[72] KIRPOTIN, DMITRI, US  
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US  
[85] 2000-11-01  
[86] 1999-05-11 (PCT/US99/10375)  
[87] 1999-11-18 (WO99/58694)  
[30] US (09/076,618) 1998-05-12

[21] **2,330,742**  
[13] A1

[51] **Int.Cl. 6H04L 12/42**  
[25] EN  
[54] **ELIMINATION OF INVALID DATA IN LOOP NETWORK**  
[54] **ELIMINATION DES DONNEES NON VALABLES DANS UN RESEAU EN BOUCLE**  
[72] BREWER, DAVID, US  
[72] BALDWIN, DAVID, US  
[72] HENSON, KARL M., US  
[71] EMULEX CORPORATION, US  
[85] 2000-11-01  
[86] 1999-04-30 (PCT/US99/09351)  
[87] 1999-11-11 (WO99/57854)  
[30] US (09/071,930) 1998-05-01

[21] **2,330,743**  
[13] A1

[51] **Int.Cl. 6H04L 12/28**  
[25] EN  
[54] **HUB PORT WITH CONSTANT PHASE**  
[54] **PORT DE CONCENTRATEUR A PHASE CONSTANTE**  
[72] HASHEMI, HOSSEIN, US  
[72] BREWER, DAVID, US  
[72] HENSON, KARL M., US  
[71] EMULEX CORPORATION, US  
[85] 2000-11-01  
[86] 1999-04-28 (PCT/US99/09428)  
[87] 1999-11-11 (WO99/57852)  
[30] US (09/071,932) 1998-05-01

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[21] **2,330,746**  
[13] A1

[51] **Int.Cl. 6A61B 19/00**  
[25] EN  
[54] **ANTERIOR SEGMENT CORONARY RESTORATION APPARATUS AND METHOD**  
[54] **APPAREIL ET METHODE POUR LA RECONSTITUTION CORONAIRE DU SEGMENT ANTERIEUR**  
[72] ATHANASULEAS, CONSTANTINE I., US  
[72] BUCKBERG, GERALD D., US  
[71] CORRESTORE, INC., US  
[85] 2000-11-01  
[86] 1999-01-29 (PCT/US99/02079)  
[87] 1999-11-11 (WO99/56655)  
[30] US (09/071,817) 1998-05-01

[21] **2,330,747**  
[13] A1

[51] **Int.Cl. 6G03F 7/42**  
[25] EN  
[54] **SILICATE-CONTAINING ALKALINE COMPOSITIONS FOR CLEANING MICROELECTRONIC SUBSTRATES**  
[54] **COMPOSITIONS ALCALINES A BASE DE SILICATE POUR LE NETTOYAGE DE SUBSTRATS EN MICRO-ELECTRONIQUE**  
[72] SKEE, DAVID C., US  
[71] MALLINCKRODT INC., US  
[85] 2000-11-01  
[86] 1999-05-17 (PCT/US99/10875)  
[87] 1999-11-25 (WO99/60448)  
[30] US (60/085,861) 1998-05-18  
[30] US (60/115,084) 1999-01-07

[21] **2,330,748**  
[13] A1

[51] **Int.Cl. 6E04H 13/00 6A61G 17/00 6E04B 2/08**  
[25] EN  
[54] **BURIAL STRUCTURE FOR THE NON-RETRIEVABLE INTERMENT OF HUMAN REMAINS AND SIGNIFICANT MEMORABILIA**  
[54] **STRUCTURE D'ENSEVELISSEMENT SERVANT A UN ENFERMEMENT IRREVERSIBLE DE RESTES HUMAINS ET DE SOUVENIRS IMPORTANTS**  
[72] DUDEK, P. ROSE, US  
[72] DUDEK, DANIEL T., US  
[71] DUDEK, P. ROSE, US  
[71] DUDEK, DANIEL T., US  
[85] 2000-11-01  
[86] 1999-04-30 (PCT/US99/09615)  
[87] 1999-11-11 (WO99/57395)  
[30] US (09/071,923) 1998-05-01

[21] **2,330,749**  
[13] A1

[51] **Int.Cl. 6H04L 9/30 6H04L 9/08**  
[25] EN  
[54] **PRIVATE KEY VALIDITY AND VALIDATION**  
[54] **VALIDITE ET VALIDATION D'UNE CLE PRIVEE**  
[72] JOHNSON, DONALD B., US  
[72] VANSTONE, SCOTT A., CA  
[71] CERTICOM CORP., CA  
[85] 2000-11-01  
[86] 1999-05-10 (PCT/CA99/00381)  
[87] 1999-11-18 (WO99/59286)  
[30] US (09/074,540) 1998-05-08

[21] **2,330,750**  
[13] A1

[51] **Int.Cl. 6B60R 21/16**  
[25] EN  
[54] **AIRBAG TEAR SEAM**  
[54] **LIGNE DE DECHIRURE POUR AIRBAG**  
[72] LEVINE, AARON B., US  
[72] BANKS, ERIK A., US  
[71] BREED AUTOMOTIVE TECHNOLOGY, INC., US  
[85] 2000-11-01  
[86] 1999-02-02 (PCT/US99/02207)  
[87] 1999-12-09 (WO99/62745)  
[30] US (09/088,809) 1998-06-02

[21] **2,330,753**  
[13] A1

[51] **Int.Cl. 6E04F 11/18**  
[25] EN  
[54] **A RAILING COMPONENT AND METHOD OF MANUFACTURING THIS COMPONENT**  
[54] **COMPOSANT DE RAMPE ET PROCEDE DE FABRICATION DUDIT COMPOSANT**  
[72] GUERRA, GINA, CA  
[72] WITT, JEFFREY GEORGE, CA  
[72] CASEY, VERNON JIM, CA  
[72] LIM, TIMOTHY, CA  
[71] DOFASCO INC., CA  
[85] 2000-11-01  
[86] 1999-04-30 (PCT/CA99/00401)  
[87] 1999-11-11 (WO99/57394)  
[30] US (60/083,991) 1998-05-01

[21] **2,330,755**  
[13] A1

[51] **Int.Cl. 7B05B 1/00 7D01G 23/02 7F16L 41/02 7D04H 1/72**  
[25] EN  
[54] **AIR HANDLING SYSTEM FOR A WEB FORMER**  
[54] **SYSTEME DE CIRCULATION D'AIR POUR FORMEUR DE NAPPE**  
[72] GILES, ANDREW JAMES, US  
[72] STAPLES, PHILLIP OSBORNE, US  
[72] FREUND, KENNETH STEPHEN, US  
[71] E.I. DU PONT DE NEMOURS AND COMPANY, US  
[85] 2000-11-01  
[86] 1999-06-24 (PCT/US99/14317)  
[87] 2000-01-06 (WO00/00295)  
[30] US (60/091,262) 1998-06-30  
[30] US (09/337,784) 1999-06-22

[21] **2,330,757**  
[13] A1

[51] **Int.Cl. 6A61F 13/15**  
[25] EN  
[54] **DISPOSABLE PANT-TYPE DIAPER HAVING ENHANCED EXTENSIBILITY AROUND LEG OPENING**  
[54] **COUCHE-CULOTTE JETABLE AYANT UNE PLUS GRANDE EXTENSIBILITE AUTOUR DES OUVERTURES POUR LES JAMBES**  
[72] ASHTON, GREGORY, JP  
[72] HAWKINS, CRAIG ANDREW, JP  
[71] THE PROCTER & GAMBLE COMPANY, US  
[85] 2000-11-01  
[86] 1998-05-28 (PCT/US98/10850)  
[87] 1999-12-02 (WO99/60970)



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[21] **2,330,758**  
[13] A1

[51] **Int.Cl. 6A61F 13/15**  
[25] EN  
[54] **DISPOSABLE PANT-TYPE DIAPER HAVING ENHANCED EXTENSIBILITY AROUND WAIST OPENING**  
[54] **COUCHE-CULOTTE JETABLE AYANT UNE PLUS GRANDE EXTENSIBILITE AUTOUR DE L'OUVERTURE POUR LA TAILLE**  
[72] FUKUDA, EIRO, JP  
[72] ASHTON, GREGORY, JP  
[71] THE PROCTER & GAMBLE COMPANY, US  
[85] 2000-11-01  
[86] 1998-05-28 (PCT/US98/10849)  
[87] 1999-12-02 (WO99/60969)

[21] **2,330,760**  
[13] A1

[51] **Int.Cl. 6G08C 19/00 6B60R 25/00 6B60R 25/10 6B60T 7/16 6H01H 47/22 6B62D 1/24**  
[25] EN  
[54] **REMOTELY OPERABLE VEHICLE IDENTIFICATION AND DISABLING SYSTEM**  
[54] **SYSTEME D'IDENTIFICATION ET DE NEUTRALISATION DE VEHICULE TELECOMMANDABLE**  
[72] GABBARD, CHARLES H., US  
[71] GABBARD, CHARLES H., US  
[85] 2000-11-01  
[86] 1999-02-08 (PCT/US99/02681)  
[87] 1999-11-25 (WO99/60542)  
[30] US (09/081,473) 1998-05-19  
[30] US (09/159,438) 1998-09-24

[21] **2,330,767**  
[13] A1

[51] **Int.Cl. 6G01C 21/20**  
[25] EN  
[54] **NAVIGATION SYSTEM WITH USER INTERFACE**  
[54] **SYSTEME DE NAVIGATION EQUIPE D'UNE INTERFACE UTILISATEUR**  
[72] MOUSER, MICHAEL, US  
[72] MILLINGTON, JEFFREY A., US  
[72] MAXWELL, KENNETH G., US  
[71] MAGELLAN DIS, INC., US  
[85] 2000-11-01  
[86] 1999-05-05 (PCT/US99/09779)  
[87] 1999-11-11 (WO99/57521)  
[30] US (60/084,227) 1998-05-05  
[30] US (60/084,228) 1998-05-05

[21] **2,330,769**  
[13] A1

[51] **Int.Cl. 7G01N 21/64 7G01N 21/77**  
[25] EN  
[54] **ALL FIBER OPTIC MODULE FOR AN OPTICAL CHEMICAL SENSING SYSTEM**  
[54] **MODULE ENTIEREMENT BASE SUR FIBRES OPTIQUES DESTINE A UN SYSTEME OPTIQUE DE DETECTION CHIMIQUE**  
[72] LUSSIER, JAMIE N., US  
[71] YELLOW SPRINGS OPTICAL SENSOR CO. PLL., US  
[85] 2000-11-01  
[86] 2000-03-03 (PCT/US00/05839)  
[87] 2000-09-08 (WO00/52452)  
[30] US (60/122,913) 1999-03-05

[21] **2,330,772**  
[13] A1

[51] **Int.Cl. 6A61M 15/00 6A62B 7/00 6A61M 16/00 6A62B 9/06**  
[25] EN  
[54] **TRACHEAL GAS INSUFFLATION SYSTEM**  
[54] **SYSTEME D'INSUFFLATION TRACHEENNE DE GAZ**  
[72] ADAMS, ALEXANDER B., US  
[72] BLISS, PETER L., US  
[72] MCCOY, ROBERT W., US  
[71] VALLEY INSPIRED PRODUCTS, LLC, US  
[85] 2000-11-01  
[86] 1999-04-22 (PCT/US99/08464)  
[87] 1999-11-11 (WO99/56806)  
[30] US (09/072,525) 1998-05-04

[21] **2,330,773**  
[13] A1

[51] **Int.Cl. 6A61F 13/15**  
[25] EN  
[54] **DISPOSABLE PANTTYPE DIAPER HAVING IMPROVED PROTECTION AGAINST RED MARKING AND METHOD FOR MAKING THE SAME**  
[54] **COUCHE-CULOTTE JETABLE OFFRANT UNE MEILLEURE PROTECTION CONTRE LES ROUGEURS ET PROCEDE DE FABRICATION**  
[72] VINNAGE, WILLIAM ROBERT JR., US  
[72] ASHTON, GREGORY, JP  
[72] HAWKINS, CRAIG ANDREW, JP  
[72] BUELL, KENNETH BARCLAY, US  
[71] THE PROCTER & GAMBLE COMPANY, US  
[85] 2000-11-01  
[86] 1998-05-28 (PCT/US98/10841)  
[87] 1999-12-02 (WO99/60966)

[21] **2,330,774**  
[13] A1

[51] **Int.Cl. 6A61F 13/15**  
[25] EN  
[54] **DISPOSABLE PANT-TYPE DIAPER HAVING IMPROVED FITNESS TO BODY**  
[54] **COUCHE-CULOTTE JETABLE S'ADAPTANT MIEUX AU CORPS**  
[72] HAWKINS, CRAIG ANDREW, JP  
[72] ASHTON, GREGORY, JP  
[71] THE PROCTER & GAMBLE COMPANY, US  
[85] 2000-11-01  
[86] 1998-05-28 (PCT/US98/10851)  
[87] 1999-12-02 (WO99/60971)

[21] **2,330,775**  
[13] A1

[51] **Int.Cl. 7C08F 4/602 7C08F 210/16**  
[25] EN  
[54] **ALUMINUM-BASED LEWIS ACID COCATALYSTS FOR OLEFIN POLYMERIZATION**  
[54] **COCATALYSEURS D'ACIDE DE LEWIS A BASE D'ALUMINIUM POUR LA POLYMERISATION DES OLEFINES**  
[72] LUE, CHING-TAI, US  
[72] HOLT CAMP, MATTHEW W., US  
[71] UNIVATION TECHNOLOGIES LLC, US  
[85] 2000-11-01  
[86] 1999-07-09 (PCT/US99/15618)  
[87] 2000-01-27 (WO00/04058)  
[30] US (60/093,017) 1998-07-16

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[13] A1

[51] **Int.Cl. 6C12N 15/31 6A61K 39/095 6C07K 16/12 6C07K 14/22 6G01N 33/50 6C12Q 1/68**  
[25] EN  
[54] **NEISSERIA MENINGITIDIS ANTIGENS AND COMPOSITIONS**  
[54] **COMPOSITIONS ET ANTIGENES A BASE DE MENINGOCOQUE**  
[72] RATTI, GIULIO, IT  
[72] MASIGNANI, VEGA, IT  
[72] MORA, MARIROSA, IT  
[72] FRASER, CLAIRE, US  
[72] SCARSELLI, MARIA, IT  
[72] SCALATO, ENZO, IT  
[72] PIZZA, MARIAGRATIA, IT  
[72] GALEOTTI, CESIRA, IT  
[72] PETERSEN, JEREMY, US  
[72] TETTELIN, HERVE, US  
[72] GRANDI, GUIDO, IT  
[72] VENTER, J. CRAIG, US  
[72] RAPPUOLI, RINO, IT  
[72] HICKEY, ERIN, US  
[71] THE INSTITUTE FOR GENOMIC RESEARCH, US  
[71] CHIRON CORPORATION, US  
[85] 2000-10-31  
[86] 1999-04-30 (PCT/US99/09346)  
[87] 1999-11-11 (WO99/57280)  
[30] US (60/083,758) 1998-05-01  
[30] US (60/094,869) 1998-07-31  
[30] US (60/098,994) 1998-09-02  
[30] US (60/099,062) 1998-09-02  
[30] US (60/103,749) 1998-10-09  
[30] US (60/103,794) 1998-10-09  
[30] US (60/103,796) 1998-10-09  
[30] US (60/121,528) 1999-02-25

[21] **2,331,055**  
[13] A1

[51] **Int.Cl. 6F23C 11/02**  
[25] EN  
[54] **FLUIDIZED BED MATERIAL, METHOD FOR ITS PRODUCTION, AND METHOD IN A FLUIDIZED BED PROCESS**  
[54] **MATIERE DE LIT FLUIDISE, SON PROCEDE DE PRODUCTION, ET PROCEDE DANS UN TRAITEMENT EN LIT FLUIDISE**  
[72] SILVENNOINEN, JAANI, FI  
[71] KVAERNER PULPING OY, FI  
[85] 2000-10-30  
[86] 1999-04-30 (PCT/FI99/00357)  
[87] 1999-11-11 (WO99/57488)  
[30] FI (980964) 1998-04-30

[21] **2,331,056**  
[13] A1

[51] **Int.Cl. 6C07C 235/44 6A61K 31/165 6A61K 31/19 6C07F 9/38 6C07F 9/40 6C07C 59/70 6C07D 307/80**  
[25] EN  
[54] **2,3,5-SUBSTITUTED BIPHENYLS USEFUL IN THE TREATMENT OF INSULIN RESISTANCE AND HYPERGLYCEMIA**  
[54] **DIPHENYLES 2,3,5-SUBSTITUES UTILES POUR LE TRAITEMENT DE LA RESISTANCE INSULINIQUE ET DE L'HYPERGLYCEMIE**  
[72] MAYER, SCOTT CHRISTIAN, US  
[72] LENNOX, JOSEPH RICHARD, US  
[72] GUNDERSEN, ERIC GOULD, US  
[72] HAVRAN, LISA MARIE, US  
[72] KATZ, ALAN HOWARD, US  
[72] GREENFIELD, ALEXANDER, US  
[72] GRACEFFA, RUSSELL FRANCIS, US  
[72] BUTERA, JOHN ANTHONY, US  
[72] CAUFIELD, CRAIG EUGENE, US  
[72] MCDEVITT, ROBERT EMMETT, US  
[71] AMERICAN HOME PRODUCTS CORPORATION, US  
[85] 2000-10-30  
[86] 1999-05-10 (PCT/US99/10158)  
[87] 1999-12-02 (WO99/61410)  
[30] US (09/076,709) 1998-05-12

[21] **2,331,057**  
[13] A1

[51] **Int.Cl. 6A47K 10/36**  
[25] FR  
[54] **APPAREIL DISTRIBUTEUR DE MATERIAUX D'ESSUYAGE ET PAPIER TOILETTE A FONCTIONNEMENT AUTOMATIQUE OU SEMI-AUTOMATIQUE**  
[54] **AUTOMATIC OR SEMI-AUTOMATIC WIPING MATERIAL AND TOILET PAPER DISPENSER**  
[72] GRANGER, MAURICE, FR  
[71] GRANGER, MAURICE, FR  
[85] 2000-11-01  
[86] 1999-04-01 (PCT/FR99/00754)  
[87] 1999-11-11 (WO99/56605)  
[30] FR (98/05866) 1998-05-04

[21] **2,331,058**  
[13] A1

[51] **Int.Cl. 6C01B 21/16**  
[25] FR  
[54] **PROCEDE DE PREPARATION D'HYDRATE D'HYDRAZINE**  
[54] **METHOD FOR PREPARING HYDRAZINE HYDRATE**  
[72] SCHIRMANN, JEAN-PIERRE, FR  
[71] ATOFINA, FR  
[85] 2000-11-01  
[86] 1999-05-06 (PCT/FR99/01074)  
[87] 1999-11-18 (WO99/58446)  
[30] FR (98/06077) 1998-05-14

[21] **2,331,060**  
[13] A1

[51] **Int.Cl. 6C01B 21/16**  
[25] FR  
[54] **PROCEDE DE PREPARATION D'HYDRATE D'HYDRAZINE**  
[54] **METHOD FOR PREPARING HYDRAZINE HYDRATE**  
[72] SCHIRMANN, JEAN-PIERRE, FR  
[71] ATOFINA, FR  
[85] 2000-11-01  
[86] 1999-05-06 (PCT/FR99/01073)  
[87] 1999-11-18 (WO99/58445)  
[30] FR (98/06078) 1998-05-14

[21] **2,331,061**  
[13] A1

[51] **Int.Cl. 6C12N 15/62 6A61K 38/00 6C07K 16/00 6C07K 14/705**  
[25] FR  
[54] **COMPLEXE FORME D'UN PEPTIDE ET D'UN PRODUIT DU COMPLEXE MAJEUR D'HISTOCOMPATIBILITE A LA SURFACE DE PHAGES**  
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[72] GOROCHOV, GUY, FR  
[72] LE DOUSSAL, JEAN-MARC, FR  
[72] PIQUERAS, BERNARD, FR  
[72] DEBRE, PATRICE, FR  
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (C.N.R.S.), FR  
[85] 2000-11-01  
[86] 1999-05-12 (PCT/FR99/01147)  
[87] 1999-11-18 (WO99/58693)  
[30] FR (98/06213) 1998-05-14

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| <p style="text-align: center;">[21] <b>2,331,062</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 6A63B 39/00 6A63B 69/00</b><br/>[25] EN<br/>[54] <b>APPARATUS FOR SOCCER TRAINING</b><br/>[54] <b>APPAREIL D'ENTRAINEMENT AU FOOTBALL</b><br/>[72] KILLION, DARRYL, US<br/>[71] DMD SPORTS, INC., US<br/>[85] 2000-11-02<br/>[86] 1999-05-06 (PCT/US99/10055)<br/>[87] 1999-11-11 (WO99/56836)<br/>[30] US (09/073,903) 1998-05-06</p>   | <p style="text-align: center;">[21] <b>2,331,435</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 6G07F 17/00 6G07F 17/14</b><br/>[25] EN<br/>[54] <b>CARD LOCK</b><br/>[54] <b>CARTE DE VERROUILLAGE</b><br/>[72] HAGGSTROM, AKE, SE<br/>[71] ASSA AB, SE<br/>[85] 2000-11-08<br/>[86] 1999-03-24 (PCT/SE99/00467)<br/>[87] 1999-11-18 (WO99/59111)<br/>[30] EP (98850073.2) 1998-05-08</p>  | <p style="text-align: center;">[21] <b>2,331,442</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 6H04L 9/30</b><br/>[25] EN<br/>[54] <b>ROBUST EFFICIENT DISTRIBUTED RSA-KEY GENERATION</b><br/>[54] <b>GENERATION DE CLEFS RSA REPARTIE, EFFICACE ET ROBUSTE</b><br/>[72] FRANKEL, YAIR, US<br/>[72] YUNG, MARCEL M., US<br/>[72] MACKENZIE, PHILIP D., US<br/>[71] CERTCO INCORPORATED, US<br/>[85] 2000-11-09<br/>[86] 1999-05-21 (PCT/US99/11203)<br/>[87] 1999-12-02 (WO99/62221)<br/>[30] US (60/086,577) 1998-05-22</p>   |
| <p style="text-align: center;">[21] <b>2,331,064</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 6A61K 51/12 6A61K 51/00 6A61K 51/10 6A61N 5/10</b><br/>[25] EN<br/>[54] <b>PATIENT-SPECIFIC DOSIMETRY</b><br/>[54] <b>DOSIMETRIE SELON PATIENT</b><br/>[72] KROLL, STEWART M., US<br/>[72] ZASADNY, KENNETH R., US<br/>[72] SIEGEL, JEFFRY A., US<br/>[72] WAHL, RICHARD L., US<br/>[71] COULTER PHARMACEUTICAL, INC., US<br/>[71] THE REGENTS OF THE UNIVERSITY OF MICHIGAN, US<br/>[85] 2000-11-02<br/>[86] 1999-06-04 (PCT/US99/12506)<br/>[87] 1999-12-09 (WO99/62565)<br/>[30] US (60/088,327) 1998-06-04</p> | <p style="text-align: center;">[21] <b>2,331,437</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 6A61B 3/00</b><br/>[25] EN<br/>[54] <b>METHOD OF TRAINING AND REHABILITATING BRAIN FUNCTION USING HEMI-LENSES</b><br/>[54] <b>METHODE D'APPRENTISSAGE ET DE REEDUCATION DE FONCTIONS CEREBRALES FAISANT APPEL A DES DEMI-LENTILLES</b><br/>[72] ZOLTEN, A. J., US<br/>[71] COMPREHENSIVE NEUROPSYCHOLOGICAL SERVICES, LLC., US<br/>[85] 2000-11-08<br/>[86] 1998-12-17 (PCT/US98/27508)<br/>[87] 1999-11-25 (WO99/59461)<br/>[30] US (09/080,748) 1998-05-18</p>  | <p style="text-align: center;">[21] <b>2,331,443</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 6G03C 3/00</b><br/>[25] EN<br/>[54] <b>IMAGED RECEPTOR LAMINATE AND PROCESS FOR MAKING SAME</b><br/>[54] <b>STRATIFIE RECEPTEUR D'IMAGE ET PROCEDE DE FABRICATION DUDIT STRATIFIE</b><br/>[72] MIENTUS, BERNARD S., US<br/>[72] BAID, KUSHALKUMAR M., US<br/>[72] BALAJI, RAMABHADRAN, US<br/>[72] WISNIEWSKI, MARK, US<br/>[72] BUCHOLZ, ROBERT O., US<br/>[71] AVERY DENNISON CORPORATION, US<br/>[85] 2000-11-09<br/>[86] 1999-05-07 (PCT/US99/10066)<br/>[87] 1999-11-18 (WO99/59029)<br/>[30] US (09/075,720) 1998-05-11</p> |
| <p style="text-align: center;">[21] <b>2,331,065</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 7A61F 2/06</b><br/>[25] EN<br/>[54] <b>LUBRICATED SLEEVE MATERIAL FOR STENT DELIVERY</b><br/>[54] <b>MANCHON LUBRIFIE POUR LA MISE EN PLACE DE STENTS</b><br/>[72] WANG, LIXIAO, US<br/>[72] YANG, DACHUAN, US<br/>[72] CHEN, JIANHUA, US<br/>[72] TRAN, THE THOMAS TRINH, US<br/>[71] SCIMED LIFE SYSTEMS, INC., US<br/>[85] 2000-11-02<br/>[86] 2000-03-14 (PCT/US00/06736)<br/>[87] 2000-09-28 (WO00/56248)<br/>[30] US (09/273,520) 1999-03-22</p>   | <p style="text-align: center;">[21] <b>2,331,440</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 6C12N 15/86 6C12N 5/10</b><br/>[25] EN<br/>[54] <b>AMPHOTROPIC RETROVIRUS PACKAGING CELL LINE, PROCESS FOR ITS PRODUCTION AND USE THEREOF</b><br/>[54] <b>LIGNEE CELLULAIRE D'ENCAPSIDATION DE RETROVIRUS AMPHOTROPIQUE, PROCEDE DE PRODUCTION ET D'UTILISATION DE LADITE LIGNEE</b><br/>[72] BORDIGNON, CLAUDIO, IT<br/>[72] RUGER, RUDIGER, DE<br/>[72] TIEFENTHALER, GEORG, DE<br/>[72] GOLLER, BERNHARD, DE<br/>[71] ROCHE DIAGNOSTICS GMBH, DE<br/>[85] 2000-11-09<br/>[86] 1999-05-14 (PCT/EP99/03304)<br/>[87] 1999-11-25 (WO99/60143)<br/>[30] EP (98109135.8) 1998-05-20</p> | <p style="text-align: center;">[21] <b>2,331,444</b><br/>[13] A1</p> <p>[51] <b>Int.Cl. 6A61B 10/00</b><br/>[25] EN<br/>[54] <b>REUSABLE AUTOMATED BIOPSY NEEDLE HANDLE</b><br/>[54] <b>POIGNEE D'AIGUILLE DE BIOPSIE AUTOMATISEE REUTILISABLE</b><br/>[72] TERWILLIGER, RICHARD A., US<br/>[71] MEDICAL DEVICE TECHNOLOGIES, INC., US<br/>[85] 2000-11-09<br/>[86] 1999-05-11 (PCT/US99/10376)<br/>[87] 1999-11-18 (WO99/58064)<br/>[30] US (09/076,181) 1998-05-12<br/>[30] US (09/132,941) 1998-08-11<br/>[30] US (09/170,893) 1998-10-13</p>  |

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[21] **2,331,445**

[13] A1

[51] **Int.Cl. 6B61D 45/00**

[25] EN

[54] **RETRACTABLE SELF-LOCKING  
CLEAT FOR ROPE, CABLE AND THE  
LIKE**

[54] **SERRE-FILS RETRACTABLE  
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CABLE ET AUTRE**

[72] MACIAS, ISRAEL A., US

[71] VALLEY FORGE TECHNOLOGY,  
INC., US

[85] 2000-11-09

[86] 1999-05-12 (PCT/US99/10501)

[87] 1999-11-18 (WO99/58386)

[30] US (60/085,167) 1998-05-12

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[21] **2,331,446**

[13] A1

[51] **Int.Cl. 6A61K 9/16 6A61K 47/36**

[25] EN

[54] **BIODEGRADABLE SUSTAINED-  
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[54] **GELS D'ALGINATE  
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[72] GOLDENBERG, MERRILL  
SEYMOUR, US

[72] GU, JIAN HUA, US

[71] AMGEN INC., US

[85] 2000-11-09

[86] 1999-05-14 (PCT/US99/10737)

[87] 1999-11-25 (WO99/59549)

[30] US (09/080,832) 1998-05-18

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[21] **2,325,865**  
[13] A1  
[51] **Int.Cl. 7B01J 23/89 7C10G 45/52**  
[25] FR  
[54] **CATALYSEUR BIMETALLIQUE  
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[54] **BIMETALLIC CATALYST  
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[72] MARCHAL-GEORGE, NATHALIE,  
FR  
[72] KASZTELAN, SLAVIK, FR  
[71] INSTITUT FRANCAIS DU PETROLE,  
FR  
[22] 2000-11-07  
[43] 2000-11-07  
[30] FR (99 14 142) 1991-11-10

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[21] **2,330,358**  
[13] A1  
[51] **Int.Cl. 7G06F 3/14 7G06F 17/30**  
[25] EN  
[54] **METHOD AND APPARATUS FOR  
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[54] **PROCEDE DE GESTION DE  
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APPAREIL CORRESPONDANT**  
[72] TRAN, DZUNG D., US  
[72] SEVY, BRIAN D., US  
[72] WELCH, FRANK K., US  
[72] HAMNER, JOHN F., US  
[72] JANICH, SANDRA, US  
[72] NIEMANN, KATHERINE D., US  
[72] DESPAIN, JEFFREY L., US  
[71] INTEL CORPORATION, US  
[22] 1996-12-20  
[43] 1997-07-03  
[62] 2,241,003  
[30] US (08/577,875) 1995-12-22

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[21] **2,330,355**  
[13] A1  
[51] **Int.Cl. 7G06F 17/30**  
[25] EN  
[54] **METHOD AND APPARATUS FOR  
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[54] **PROCEDE DE GESTION DE  
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APPAREIL CORRESPONDANT**  
[72] WELCH, FRANK K., US  
[72] HAMNER, JOHN F., US  
[72] DESPAIN, JEFFREY L., US  
[72] JANICH, SANDRA, US  
[72] NIEMANN, KATHERINE D., US  
[72] TRAN, DZUNG D., US  
[72] SEVY, BRIAN D., US  
[71] INTEL CORPORATION, US  
[22] 1996-12-20  
[43] 1997-07-03  
[62] 2,241,003  
[30] US (08/577,875) 1995-12-22

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| BLONDEAU, PHILIPPE      | 2,316,503 | CSL SILICONES INC.      | 2,280,519 | EATON CORPORATION        | 2,316,073 |
| BLOUIN, MARCO           | 2,280,434 | CULVER, LARRY G.        | 2,280,297 | EATON CORPORATION        | 2,316,488 |

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| ECOHEMP INC.                                       | 2,281,355 | GRAY, THOMAS A.                             | 2,316,549 | INTERNATIONAL BUSINESS MACHINES CORPORATION | 2,315,986 |
| EIN KOHSAN CO., LTD.                               | 2,281,428 | GRIEBAT, JOHN                               | 2,315,859 | INVENSIL                                    | 2,314,627 |
| ELCO TEXTRON INC.                                  | 2,313,419 | GRIMBERG, AURELIE                           | 2,316,677 | INVENTIO AG                                 | 2,316,478 |
| EMHART INC.  | 2,315,995 | GUARNOTTA, ROBERT PAUL                      | 2,316,688 | ISHIURA, KAZUSHIGE                          | 2,316,042 |
| ENG, JULIE   | 2,315,582 | GUAY, ROBERT                                | 2,280,562 | ISHIZUKA, SHINICHI                          | 2,316,633 |
| ENGEHAUSEN, RUDIGER                                | 2,316,452 | GUGGEMOS, HORST                             | 2,315,561 | ITO, KENGO                                  | 2,316,112 |
| ERB, ELISHA W.                                     | 2,280,435 | GUINDULAIN VIDONDO, FELIX                   | 2,316,493 | JAEGER, WILFRED E.                          | 2,316,707 |
| EZER, SHAUL  | 2,280,295 | HAARDOERFER, JUERGEN                        | 2,315,986 | JDS UNIPHASE INC.                           | 2,307,255 |
| F. HOFFMANN-LA ROCHE AG                            | 2,316,157 | HALDOR TOPSOE A/S                           | 2,316,043 | JDS UNIPHASE INC.                           | 2,315,996 |
| FAERBER, JOHN D.                                   | 2,289,304 | HALVERSON, HELENA B.                        | 2,316,458 | JESKE, WINFRIED                             | 2,316,421 |
| FANTOM TECHNOLOGIES INC.                           | 2,315,556 | HALVORSEN, YUAN-DI CHANG                    | 2,316,400 | JOFEMAR, S.A.                               | 2,316,493 |
| FARQUHARSON, KEITH D.                              | 2,280,581 | HALVORSEN, YUAN-DI CHANG                    | 2,316,413 | JOHNS MANVILLE INTERNATIONAL, INC.          | 2,316,070 |
| FAYAT, JEAN-CLAUDE                                 | 2,316,490 | HAMADA, KENICHI                             | 2,316,042 | JOHNSTON, GREGORY L.                        | 2,314,014 |
| FEDIDA, JOSE                                       | 2,301,884 | HAMBERG, KURT P.                            | 2,307,480 | JOHNSTON, GREGORY L.                        | 2,314,021 |
| FELSKE, KENT                                       | 2,311,105 | HAMILL, CHARLES M.                          | 2,315,995 | JOHNSTOWN AMERICA CORPORATION               | 2,316,684 |
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| FILTERTECHNOLOGIE FUR DIE ELEKTRONIKINDUSTRIE GMBH | 2,316,103 | HARARI, ALBERT                              | 2,305,968 | JURGENS, CHRISTIAN                          | 2,316,032 |
| FILTEC   |           | HARMAN, ROBERT E.                           | 2,314,790 | KABAT, MAREK MICHAL                         | 2,316,157 |
| FILTERTECHNOLOGIE FUR DIE ELEKTRONIKINDUSTRIE GMBH | 2,316,420 | HARTJES, TIMOTHY P.                         | 2,315,866 | KABUSHIKI KAISHA TOSHIBA                    | 2,316,532 |
| FINA TECHNOLOGY, INC.                              | 2,316,666 | HEALEY, WILLIAM J.                          | 2,316,101 | KAKIZAWA, HITOSHI                           | 2,316,597 |
| FIRST QUALITY ENTERPRISES, INC.                    | 2,316,110 | HEENAN, JOHN                                | 2,280,641 | KANAI, HIROSHI                              | 2,313,913 |
| FISCHER, HERMAN                                    | 2,281,404 | HEINZ, NIKODEMUS                            | 2,316,494 | KANSUPADA, BHARAT KANCHANLAL                | 2,312,548 |
| FISCHER, WOLFGANG                                  | 2,316,528 | HERMAN MILLER, INC.                         | 2,310,915 | KARAMI, HAMZEH                              | 2,316,110 |
| FLOYD, STANLEY L.                                  | 2,316,046 | HERN-FONSETH, VALERIE L.                    | 2,312,410 | KARSTEN, TIMM                               | 2,315,663 |
| FORT JAMES CORPORATION                             | 2,315,866 | HILL, CHRISTOPHER C.                        | 2,310,915 | KATO, MASAJI                                | 2,316,042 |
| FUJIKURA LTD.                                      | 2,315,994 | HIRATSUKA, SEICHI                           | 2,316,498 | KAUFMANN, GARRY CARL                        | 2,305,883 |
| FUJIMOTO, SHINICHI                                 | 2,299,890 | HISANO, ATSUSHI                             | 2,316,424 | KAUSCHKE, MICHAEL                           | 2,316,110 |
| FUJIMURA, MASAYA                                   | 2,316,514 | HOEBEKE, RUDY GEORGES                       | 2,315,868 | KAWASHIMA, HIDEMITSU                        | 2,316,424 |
| FUKUI, MASANORI                                    | 2,316,130 | HOJLUND NIELSEN, POUL ERIK                  | 2,316,043 | KELLEY, JAMES O.                            | 2,310,915 |
| FUYAMA, SEIJI                                      | 2,316,517 | HONDO, FUSAHIDE                             | 2,295,258 | KENDALL, CALVIN K.                          | 2,316,046 |
| GAUDRON, PAUL                                      | 2,302,138 | HORIO, HIROTSUGU                            | 2,316,616 | KENNAMETAL INC.                             | 2,316,151 |
| GAUGHAN, EDWARD W.                                 | 2,314,034 | HORSE SENSE CORPORATION                     | 2,316,713 | KETCHAM, MARK G.                            | 2,310,179 |
| GAUTSCHI, MARKUS                                   | 2,316,503 | HUBERT, THEODORE G.                         | 2,280,510 | KIEFER, WERNER                              | 2,316,410 |
| GBD CORP.  | 2,315,455 | HUBERT, THEODORE G.                         | 2,302,564 | KIHARA, TERUAKI                             | 2,299,890 |
| GEDDES, DANIEL J.                                  | 2,315,866 | HUDA, FAISAL                                | 2,280,519 | KIM, MU-JUNG                                | 2,316,054 |
| GÉLINAS, RICHARD                                   | 2,282,011 | HUDA, SERAJ UL                              | 2,280,519 | KIMBERLY-CLARK WORLDWIDE, INC.              | 2,316,688 |
| GELLERT, JOBST U.                                  | 2,280,599 | HUGENSCHMIDT, MARKUS                        | 2,316,434 | KITOU, KAZUSHIGE                            | 2,316,616 |
| GELLERT, JOBST U.                                  | 2,284,955 | HULINGS, ROBERT J.                          | 2,308,320 | KNIPPER, ALOYSIUS J.                        | 2,316,622 |
| GENERAL ELECTRIC COMPANY                           | 2,316,746 | HUMPHREY, LESLIE                            | 2,315,432 | KOBRA FORMEN-UND ANLAGENBAU GMBH            | 2,316,455 |
| GERNER, YURI                                       | 2,307,480 | HUSPENI, PAUL J.                            | 2,314,812 | KOECHNER, ALAN                              | 2,315,859 |
| GHANADAN, REZA                                     | 2,315,577 | HYDRO-QUEBEC                                | 2,280,434 | KOHARA, MICHINORI                           | 2,316,130 |
| GHANADAN, REZA                                     | 2,315,583 | IBM CANADA LTD. - IBM CANADA LIMITÉE        | 2,280,588 | KOIWAI, KAZUHIKO                            | 2,280,614 |
| GIEBELER, ELLEN                                    | 2,316,452 | ICHIRYU, TAKU                               | 2,316,576 | KOLBERG, UWE                                | 2,316,410 |
| GILLARD, RAY W.                                    | 2,280,297 | IKEDA, AKIO                                 | 2,316,464 | KOLENCHUK, MARK                             | 2,316,522 |
| GIMBLE, JEFFREY M.                                 | 2,316,400 | ILLINOIS TOOL WORKS INC.                    | 2,311,956 | KONDOU, MASARU                              | 2,316,130 |
| GIMBLE, JEFFREY M.                                 | 2,316,413 | ILLINOIS TOOL WORKS INC.                    | 2,313,293 | KOPSEL, DETLEF                              | 2,316,410 |
| G-INTEK CO., LTD.                                  | 2,288,919 | ILLINOIS TOOL WORKS INC.                    | 2,313,300 | KOSAKA, YASUO                               | 2,302,913 |
| GIVAUDAN ROURE (INTERNATIONAL) SA                  | 2,316,503 | INAGAKI, SHIGEYUKI                          | 2,316,616 | KRAFT CANADA INC.                           | 2,316,399 |
| GO BONCAN, VIRGILIO C.                             | 2,316,059 | INDIAN HEAD INDUSTRIES, INC.                | 2,315,972 | KRALEVICH, MARK LESLIE JR.                  | 2,312,107 |
| GONNER, JOHANNES                                   | 2,315,663 | INSTITUT FRANCAIS DU PETROLE                | 2,312,211 | KRALEVICH, MARK LESLIE JR.                  | 2,312,110 |
| GOTTSCHALK, VOLKER                                 | 2,315,986 | INTERNATIONAL BUSINESS MACHINES CORPORATION | 2,305,968 | KREISER-SAUNDERS, INGRID                    | 2,316,032 |
| GRACE MANUFACTURING INC.                           | 2,315,971 | INTERNATIONAL BUSINESS MACHINES CORPORATION | 2,312,449 | KUHLE, JORG                                 | 2,316,103 |
| GRACE, JEFF  | 2,315,971 |   |           |   |           |
| GRACE, RICHARD L.                                  | 2,315,971 |   |           |   |           |

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| ANONYME POUR            |           | MATCOVITCH, AVRAHAM    | 2,316,568 | MYER, ROBERT EVAN       | 2,315,962 |
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| PROCEDE                 | 2,316,677 | INDUSTRIAL CO., LTD.   | 2,312,137 | NAKAYA, JUN             | 2,316,065 |
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| LASZLO, IVAN            | 2,281,404 | MATTOX, ERNEST M.      | 2,316,574 | NEC CORPORATION         | 2,316,498 |
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| ROBERT                  | 2,280,564 | MAYTAG CORPORATION     | 2,312,410 | NELSON, PAUL A.         | 2,316,419 |
| LECTION, DAVID B.       | 2,312,458 | MAZZATESTA, ANTHONY D. | 2,315,582 | NINTENDO CO., LTD.      | 2,316,464 |
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| LERCEL, MARK S.         | 2,310,171 | MCCLEAN, JOHN WILLIAM  | 2,316,527 | LTD.                    | 2,316,597 |
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| LEVINE, ROBERT A.       | 2,316,402 | MCGARY, STEPHEN        |           | NISHIDA, AYAKO          | 2,316,130 |
| LEVKOFF, JEROME         | 2,315,582 | PERCIVAL JOHN          | 2,316,688 | NISHIDE, KENJI          | 2,315,994 |
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| LO, WING F.             | 2,316,435 | MESAC CORPORATION      | 2,316,432 | NORTEL NETWORKS         |           |
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| INC.                    | 2,315,471 | MITEL CORPORATION      | 2,316,549 | OKABE, MASAMI           | 2,316,157 |
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| INC.                    | 2,315,582 | INDUSTRIES, LTD.       | 2,316,576 | OLSEN, ROBERT           | 2,313,300 |
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| INC.                    | 2,315,583 | MIYAHARA, SHOUHEI      | 2,280,614 | OMRON CORPORATION       | 2,316,424 |
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