

03-25-1999



100998277

RECORDATION FORM COVER SHEET TRADEMARKS ONLY

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

Submission Type

New **MRD**
3-19-99

Resubmission (Non-Recordation)
Document ID #

Correction of PTO Error
Reel # Frame #

Corrective Document
Reel # Frame #

Conveyance Type

Assignment License

Security Agreement Nunc Pro Tunc Assignment

Merger Change of Name

Other

Effective Date
Month Day Year

Conveying Party

Mark if additional names of conveying parties attached

Name Execution Date
Month Day Year

Formerly

Individual General Partnership Limited Partnership Corporation Association

Other

Citizenship/State of Incorporation/Organization

Receiving Party

Mark if additional names of receiving parties attached

Name

DBA/AKATA

Composed of

Address (line 1)

Address (line 2)

Address (line 3)
City State/Country Zip Code

Individual General Partnership Limited Partnership If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative should be attached. (Designation must be a separate document from Assignment.)

Corporation Association

Other

Citizenship/State of Incorporation/Organization

03/25/1999 DMSUYEN 00000025 75109264

FOR OFFICE USE ONLY

01 FC:481	40.00 OP
02 FC:482	2225.00 OP
03 FC:998	10.00 OP

Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0651-0027, Patent and Trademark Assignment Practice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS ADDRESS.

Mail documents to be recorded with required cover sheet(s) information to:
Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

TRADEMARK
REEL: 1867 FRAME: 0001

Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

Correspondent Name and Address

Area Code and Telephone Number

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

Pages

Enter the total number of pages of the attached conveyance document including any attachments.

#

Trademark Application Number(s) or Registration Number(s)

Mark if additional numbers attached

Enter either the Trademark Application Number or the Registration Number (DO NOT ENTER BOTH numbers for the same property).

Trademark Application Number(s)

Registration Number(s)

<input type="text" value="75109264"/>	<input type="text" value="75115685"/>	<input type="text" value="75234353"/>
<input type="text" value="75240425"/>	<input type="text" value="75423724"/>	<input type="text" value="75347930"/>
<input type="text" value="75341288"/>	<input type="text" value="75338089"/>	<input type="text" value="74545911"/>

<input type="text" value="620010"/>	<input type="text" value="683350"/>	<input type="text" value="1758159"/>
<input type="text" value="730498"/>	<input type="text" value="750192"/>	<input type="text" value="1016798"/>
<input type="text" value="1048466"/>	<input type="text" value="1046749"/>	<input type="text" value="1063789"/>

Number of Properties

Enter the total number of properties involved.

#

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41):

\$

Method of Payment:

Enclosed

Deposit Account

Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number:

#

Authorization to charge additional fees:

Yes

No

Statement and Signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.

Kristine Fyfe

Name of Person Signing



Signature

3/15/99

Date Signed

**RECORDATION FORM COVER SHEET
CONTINUATION
TRADEMARKS ONLY**

FORM PTO-1618C
Expires 06/30/99
OMB 0651-0027

U.S. Department of Commerce
Patent and Trademark Office
TRADEMARK

Conveying Party

Enter Additional Conveying Party

Mark if additional names of conveying parties attached

Execution Date
Month Day Year
12 04 98

Name

Formerly

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Other

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<input type="text" value="75523181"/>	<input type="text" value="75523186"/>	<input type="text" value="75231182"/>
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Registration Number(s)

<input type="text" value="1094503"/>	<input type="text" value="1509987"/>	<input type="text" value="1380262"/>
<input type="text" value="1168197"/>	<input type="text" value="1156252"/>	<input type="text" value="1189887"/>
<input type="text" value="1435405"/>	<input type="text" value="1320531"/>	<input type="text" value="1383250"/>
<input type="text" value="1650064"/>	<input type="text" value="1615583"/>	<input type="text" value="1502085"/>
<input type="text" value="1379048"/>	<input type="text" value="1379047"/>	<input type="text" value="1738182"/>
<input type="text" value="2059630"/>	<input type="text" value="1777108"/>	<input type="text" value="1479492"/>
<input type="text" value="2065134"/>	<input type="text" value="2058373"/>	<input type="text" value="1931325"/>

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Enter Additional Conveying Party

Execution Date
Month Day Year

Name Stryker International Inc.

12 04 98

Formerly

Individual General Partnership Limited Partnership Corporation Association

Other

Citizenship State of Incorporation/Organization Delaware

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<u>1977273</u>	<u>1802637</u>	<u>1973383</u>
<u>1767983</u>	<u>2049424</u>	<u>1441120</u>
<u>1912401</u>	<u>1473003</u>	<u>1133574</u>
<u>1233445</u>	<u>1026669</u>	<u>1659637</u>
<u>1183619</u>	<u>1568170</u>	<u>1504769</u>
<u>1742978</u>	<u>2044421</u>	<u>1975352</u>

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<input type="text" value="2104255"/>	<input type="text" value="1866870"/>	<input type="text" value="2095606"/>
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<input type="text" value="1059114"/>	<input type="text" value="1692755"/>	<input type="text" value="600074"/>
<input type="text" value="581911"/>	<input type="text" value="577389"/>	<input type="text" value="1026668"/>

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PLEDGE AND SECURITY AGREEMENT

This PLEDGE AND SECURITY AGREEMENT, dated as of December 4, 1998 (this "*Agreement*"), between EACH OF THE UNDERSIGNED, whether as an original signatory hereto or as an Additional Grantor (as herein defined) (each, a "*Grantor*"), and BANK OF AMERICA NATIONAL TRUST AND SAVINGS ASSOCIATION, as agent for Lenders and Lender Counterparties (in such capacity as agent, "*Secured Party*") .

RECITALS:

WHEREAS, reference is made to that certain Credit and Guaranty Agreement, dated as of December 4, 1998 (as it may be amended, supplemented or otherwise modified, the "*Credit Agreement*"), by and among Stryker Corporation, certain Subsidiaries of Stryker Corporation, as Guarantors, certain financial institutions, as Lenders, Goldman Sachs Credit Partners L.P., as a Joint Lead Arranger and Syndication Agent, NationsBanc Montgomery Securities LLC, as a Joint Lead Arranger, Bank of America National Trust and Savings Association, as Global Agent, US Facility Agent and Multicurrency Agent, and ABN Amro Bank N.V., NBD Bank and The Bank of Nova Scotia, as Co-Documentation Agents;

WHEREAS, subject to the terms and conditions of the Credit Agreement, certain Grantors may enter into one or more Hedge Agreements with one or more Lender Counterparties;

WHEREAS, in consideration of the extensions of credit and other accommodations of Lenders and Lender Counterparties as set forth in the Credit Agreement and the Hedge Agreements, respectively, each Grantor has agreed, subject to the terms and conditions hereof, each other Credit Document and each of the Hedge Agreements, to secure such Grantor's obligations under the Credit Documents and the Hedge Agreements as set forth herein; and

NOW, THEREFORE, in consideration of the premises and the agreements, provisions and covenants herein contained, each Grantor and Secured Party agree as follows:

SECTION 1. GRANT OF SECURITY; DEFINITIONS

1.1. *Grant of Security.* Each Grantor hereby grants to Secured Party a security interest in all of Grantor's right, title and interest in and to the following, in each case whether now or hereafter existing or in which Grantor now has or hereafter acquires an interest and wherever the same may be located (collectively, the "*Collateral*"):

(a) all "*Investment Property*", which term means:

(i) all right, title and interest of such Grantor, whether now owned or hereafter acquired, in all shares of capital stock owned by such Grantor, including without limitation, all shares of capital stock described on Schedule 1.1(a), and the certificates, if any, representing such shares and any interest of such Grantor in the entries on the books of the issuer of such shares or on the books of any securities intermediary pertaining to such shares, and all dividends, cash, warrants, rights, instruments, securities and other property or proceeds from time to time received, receivable or otherwise distributed in respect of or in exchange for any or all of such shares (all of the foregoing being referred to herein collectively as the "*Pledged Stock*"); provided, only the outstanding capital stock of a "controlled foreign corporation" (each, a "*controlled foreign corporation*", which term shall include, for all purposes hereof, each of Stryker International Inc. and Stryker Foreign Holdco Inc.), possessing up to but not exceeding 65% of the voting power of all classes of capital stock of such controlled foreign corporation entitled to vote shall be deemed to be pledged hereunder;

(ii) all right, title and interest of such Grantor, whether now owned or hereafter acquired, of all Indebtedness owed to such Grantor (other than any Indebtedness owed to Grantor by any Foreign Subsidiary thereof), including, without limitation, all Indebtedness described on Schedule 1.1(a), issued by the obligors named therein, the instruments evidencing such Indebtedness, and all interest, cash, instruments and other property or proceeds from time to time received, receivable or otherwise distributed in respect of or in exchange for any or all of such Indebtedness (all of the foregoing being referred to herein collectively as the "*Pledged Debt*");

(iii) all of such Grantor's right, title and interest as a limited and/or general partner in all partnerships, including, without limitation, the partnerships described on Schedule 1.1(a) (the "*Partnerships*"), whether now owned or hereafter acquired, including, without limitation, all of such Grantor's right, title and interest in, to and under the partnership agreements described on Schedule 1.1(a) (as such agreements have heretofore been and may hereafter be amended, restated, supplemented or otherwise modified from time to time, collectively, the "*Partnership Agreements*") to which it is a party (including, if such Grantor is a general partner of any Partnership, the right to vote with respect to and to manage and administer the business of such Partnership) together with all other rights, interests, claims and other property of such Grantor in any manner arising out of or relating to its limited and/or general partnership interest in the Partnerships, whatever their respective kind or character, whether they are tangible or intangible property, and wheresoever they may exist or be located, and further including, without limitation, (1) all of the rights of such Grantor as a limited and/or general partner: (A) (I) to receive money due and to become due (including without limitation dividends, distributions, interest, income from partnership properties and operations, proceeds of sale of partnership assets and returns of capital) under

or pursuant to the Partnership Agreements, (II) to receive payments upon termination of the Partnership Agreements, and (III) to receive any other payments or distributions, whether cash or noncash, in respect of such Grantor's limited and/or general partnership interest evidenced by the Partnership Agreements; (B) in and with respect to claims and causes of action arising out of or relating to the Partnerships; and (C) to have access to the Partnerships' books and records and to other information concerning or affecting the Partnerships; and (2) any "*certificate of interest*" or "*certificates of interest*" (or other certificates or instruments however designated or titled) issued by the Partnerships and evidencing such Grantor's interest as a limited and/or general partner in the Partnerships (collectively, the "*Certificates*") and any interest of such Grantor in the entries on the books of any securities intermediary pertaining to such Grantor's interest as a limited and/or general partner in the Partnership (all of the foregoing being referred to herein collectively as the "*Pledged Partnership Interests*");

(iv) all of such Grantor's right, title and interest as a member of all limited liability companies (the "*LLCs*"), including, without limitation, all of such Grantor's right, title and interest in, to and under the limited liability company interests set forth on Schedule 1.1(a), whether now owned or hereafter acquired, including, without limitation, all of such Grantor's right, title and interest in, to and under the operating agreements with respect to any such LLC (as such agreements have heretofore been and may hereafter be amended, restated, supplemented or otherwise modified from time to time, collectively, each, an "*LLC Agreement*") to which it is a party, regardless of whether such right, title and interest arises under such LLC Agreement, including (1) all rights of such Grantor to receive distributions of any kind, in cash or otherwise, due or to become due under or pursuant to each such LLC Agreement or otherwise in respect of such Person, (2) all rights of such Grantor to receive proceeds of any insurance, indemnity, warranty or guaranty with respect to each such Person, (3) all claims of such Grantor for damages arising out of, or for the breach of, or for a default under, each such LLC Agreement, (4) any certificated or uncertificated security or security entitlement evidencing any of the foregoing issued by such Person to such Grantor and (5) to the extent not included in the foregoing, all proceeds of any and all of the foregoing (all of the foregoing being referred to herein collectively as the "*Pledged LLC Interests*");

(v) all additional shares of, limited and/or general partnership interests in and limited liability company interests in, and all securities convertible into and warrants, options and other rights to purchase or otherwise acquire, stock of any issuer of the Pledged Stock, limited and/or general partnership interests in the Partnerships, and limited liability company interests in the LLCs, from time to time acquired by such Grantor in any manner (which shares or interests shall be deemed to be part of the Pledged Securities), the certificates or other instruments representing such additional shares or interests, securities, warrants, options or other rights and any interest of such Grantor in the entries on the books of any financial intermediary pertaining to such additional shares or interests, and all additional indebtedness from time to time owed to such Grantor by any obligor on the Pledged Debt

and the instruments evidencing such indebtedness, and all interest, cash, instruments and other property or proceeds from time to time received, receivable or otherwise distributed in respect of or in exchange for any or all of such indebtedness, and all dividends, distributions, cash, warrants, rights, instruments, payments and other property or proceeds from time to time received, receivable or otherwise distributed in respect of or in exchange for any or all of the foregoing; provided, only the outstanding capital stock of a controlled foreign corporation possessing up to but not exceeding 65% of the voting power of all classes of capital stock of such controlled foreign corporation entitled to vote shall be deemed to be pledged hereunder; and

(vi) all shares of, limited and/or general partnership interests in, and limited liability company interests in, and all securities convertible into and warrants, options and other rights to purchase or otherwise acquire, stock of, limited and/or general partnership interests in, or limited liability company interests in any Person that, after the date of this Agreement, becomes, as a result of any occurrence, a direct Subsidiary of such Grantor (which shares or interests shall be deemed to be part of the Pledged Securities), the certificates or other instruments representing such shares, interests, securities, warrants, options or other rights and any interest of such Grantor in the entries on the books of any financial intermediary pertaining to such shares or interests and all dividends, distributions, cash, warrants, rights, instruments and other property or proceeds from time to time received, receivable or otherwise distributed in respect of or in exchange for any or all of such shares, interests, securities, warrants, options or other rights, and all Indebtedness from time to time owed to such Grantor by any Person that, after the date of this Agreement, becomes, as a result of any occurrence, a Subsidiary of such Grantor, and the instruments evidencing such Indebtedness, and all interest, cash, instruments and other property or proceeds from time to time received, receivable or otherwise distributed in respect of or in exchange for any or all of such Indebtedness; provided, only the outstanding capital stock of a controlled foreign corporation possessing up to but not exceeding 65% of the voting power of all classes of capital stock of such controlled foreign corporation entitled to vote shall be deemed to be pledged hereunder (all of the Securities referred to in the foregoing clauses (v) and (vi) being herein collectively referred to as the "*Additional Pledged Securities*"; the Pledged Stock, the Pledged Debt, the Pledged Partnership Interests, the Pledged LLC Interests and the Additional Pledged Securities, if any, being herein collectively referred to as the "*Pledged Securities*"; provided, subject to Section 5.2(d), none of the equity Securities of each Person listed as an "Excluded Subsidiary" on Schedule 1.1(a) (each, an "*Excluded Subsidiary*") shall be subject to the Lien of Secured Party granted hereby;

(b) the Collateral Account, together with all amounts on deposit from time to time in such deposit accounts, and all interest, cash, instruments, securities, Financial Assets and other property from time to time received, receivable or otherwise distributed in respect of or in exchange for any or all of the foregoing;

(c) all "*Intellectual Property*", which term means:

(i) all trademarks, service marks, designs, logos, indicia, tradenames, corporate names, company names, business names, fictitious business names, trade dresses, trade styles and/or other source and/or business identifiers and applications pertaining thereto, owned or used by such Grantor in its business, or hereafter adopted and used, including, without limitation, the Trademarks specifically identified in Schedule 1.1(c) (all of the foregoing being referred to herein collectively as the "*Trademarks*"); all registrations that have been or may hereafter be issued or applied for with respect to the Trademarks in the United States and any state thereof and in certain foreign countries, including, without limitation, the registrations specifically identified in Schedule 1.1(c) (all of the foregoing being referred to herein collectively as the "*Trademark Registrations*"); all common law and other rights (but in no event any of the obligations) in and to the Trademarks in the United States and any state thereof and in certain foreign countries (all of the foregoing being referred to herein collectively as the "*Trademark Rights*"); and all goodwill of such Grantor's business symbolized by the Trademarks and associated therewith (collectively, the "*Associated Goodwill*");

(ii) all patents and patent applications and rights and interests in patents and patent applications under any domestic law that are presently, or in the future may be, owned by such Grantor and all patents and patent applications and rights and interests in patents and patent applications under any domestic law that are presently, or in the future may be, held or used by such Grantor in whole or in part, including, without limitation, the patents and patent applications listed in Schedule 1.1(c); all rights (but not obligations corresponding thereto), including, without limitation, the right (but not the obligation, and exercisable only upon the occurrence and continuation of an Event of Default) to sue for past, present and future infringements in the name of such Grantor or in the name of Secured Party or Secured Parties, and all re-issues, divisions, continuations, renewals, extensions and continuations-in-part thereof (all of the foregoing being collectively referred to as the "*Patents*"); and

(iii) various published and unpublished works of authorship including, without limitation, computer programs, computer data bases, other computer software, including without limitation, object code and source code, mask works, semiconductor chips, masks, cell libraries, layouts, trade secrets, trade secret rights, ideas, drawings, designs, schematics, algorithms, writings, techniques, processes and formulas, (all of the foregoing being referred to herein collectively as the "*Trade Secrets and Copyrights*"); all copyright registrations issued to such Grantor and applications for copyright registration that have been or may hereafter be issued or applied for thereon in the United States and any state thereof and in certain foreign countries, including, without limitation, the registrations listed on Schedule 1.1(c) (all of the foregoing being referred to herein collectively as the "*Copyright Registrations*"); all common law and other rights in and to the Copyrights in the United States and any state thereof and in certain foreign countries including all copyright licenses

(all of the foregoing being referred to herein collectively as the "*Copyright Rights*"), including, without limitation, each of the Copyrights, rights, titles and interests in and to the Copyrights and works protectable by copyright, which are presently, or in the future may be, owned, created (as a work for hire for the benefit of such Grantor), authored (as a work for hire for the benefit of such Grantor), acquired or used (whether pursuant to a license or otherwise but only to the extent permitted by agreements governing such license or other use) by such Grantor, in whole or in part, and all Copyright Rights with respect thereto and all Copyright Registrations therefor, heretofore or hereafter granted or applied for, and all renewals and extensions thereof, throughout the world, including all proceeds thereof (such as, by way of example and not by limitation, license royalties and proceeds of infringement suits), the right (but not the obligation) to renew and extend such Trade Secrets and Copyrights, Copyright Registrations and Copyright Rights and to register works protectable by copyright and the right (but not the obligation and exercisable only upon the occurrence and continuation of an Event of Default) to sue or bring opposition or cancellation proceedings in the name of such Grantor or in the name of Secured Party or Secured Parties for past, present and future infringements of the Trade Secrets and Copyrights and Copyright Rights;

(d) all of such Grantor's right, title and interest in, to and under any equipment in all of its forms (including, without limitation, all equipment as defined in Section 9-109(2) of the UCC), all accessions or additions thereto, all parts thereof, whether or not at any time of determination incorporated or installed therein or attached thereto, and all replacements therefor, wherever located, now or hereafter existing, including any fixtures (all of the foregoing being referred to herein collectively as the "*Equipment*");

(e) all of such Grantor's right, title and interest in, to and under any inventory in all of its forms (including, without limitation, all inventory as defined in Section 9-109(4) of the UCC), including, but not limited to, (i) all goods held by such Grantor for sale or lease or to be furnished under contracts of service or so leased or furnished, (ii) all raw materials, work in process, finished goods, and materials used or consumed in the manufacture, packing, shipping, advertising, selling, leasing, furnishing or production of such inventory or otherwise used or consumed in such Grantor's business, (iii) all goods in which such Grantor has an interest in mass or a joint or other interest or right of any kind, (iv) all goods which are returned to or repossessed by such Grantor, and all accessions thereto and products thereof (all of the foregoing being referred to herein collectively as the "*Inventory*"), and (v) all negotiable and non-negotiable documents of title, including, without limitation, warehouse receipts, dock receipts and bills of lading issued by any Person covering any Inventory;

(f) all of such Grantor's right, title and interest in, to and under any accounts, chattel paper, documents, general intangibles (each as defined in the UCC) and all contract rights, other rights and obligations of any kind (all of the foregoing being referred to herein collectively as the "*Accounts*"), and all instruments (the "*Instruments*") as defined in the UCC and all of such Grantor's

rights in, to and under all security agreements, leases, contracts and other property (real or personal) securing or otherwise relating to any Accounts or any Instrument (all of the foregoing being referred to herein collectively as the "*Related Contracts*");

(g) without limiting clause (f) above, all of such Grantor's right, title and interest in, to and under all agreements and contracts to which such Grantor is a party as of the date hereof, including, without limitation, each Material Contract, or to which such Grantor becomes a party after the date hereof, as each such agreement may be amended, supplemented or otherwise modified from time to time (all of the foregoing being referred to herein collectively as the "*Assigned Agreements*"), including (i) all rights of such Grantor to receive moneys due or to become due under or pursuant to the Assigned Agreements, (ii) all rights of such Grantor to receive proceeds of any insurance, indemnity, warranty or guaranty with respect to the Assigned Agreements, (iii) all claims of such Grantor for damages arising out of any breach of or default under the Assigned Agreements, and (iv) all rights of such Grantor to terminate, amend, supplement, modify or exercise rights or options under the Assigned Agreements, to perform thereunder and to compel performance and otherwise exercise all remedies thereunder;

(h) all deposit accounts (as defined in Section 9-105(e) of the UCC), money (as defined in Section 1-201(24) of the UCC), securities accounts (as defined in Section 8-501 of the UCC), investment property (as defined in Section 9-115 of the UCC), goods (as defined in Section 9-105(h) of the UCC), motor vehicles and insurance policies.

(i) to the extent not otherwise included in any other subsection hereof, all other general intangibles, including tax refunds, rights to payment or performance, choses in action and judgments taken on any rights or claims included in the Collateral;

(j) all books, records, ledger cards, files, correspondence, computer programs, tapes, disks and related data processing software that at any time evidence or contain information relating to any of the Collateral or are otherwise necessary or helpful in the collection thereof or realization thereupon; and

(k) to the extent not covered by Sections 1.1(a) through 1.1(i), all other personal property of such Grantor, all proceeds, products, accessions, rents and profits of or from any and all of the foregoing Collateral and, to the extent not otherwise included, all payments under insurance (whether or not Secured Party is the loss payee thereof), or any indemnity, warranty or guaranty, payable by reason of loss or damage to or otherwise with respect to any of the foregoing Collateral. For purposes of this Agreement, the term "*proceeds*" includes whatever is receivable or received when Collateral or proceeds are sold, exchanged, collected or otherwise disposed of, whether such disposition is voluntary or involuntary.

Notwithstanding anything herein to the contrary, in no event shall the Collateral include, and no Grantor shall be deemed to have granted a security interest in, any of such Grantor's right, title or

interest (1) in any Intellectual Property, if the grant of such security interest shall constitute or result in the abandonment, invalidation or rendering unenforceable any right, title or interest of any Grantor therein; or (2) in any license, contract or agreement to which such Grantor is a party or any of its rights or interests thereunder to the extent, but only to the extent, that such a grant would, under the terms of such license, contract or agreement or otherwise, result in a breach or termination of the terms of, or constitute a default under or termination of any license, contract or agreement to which such Grantor is a party (other than to the extent that any such term would be rendered ineffective pursuant to Section 9-318(4) of the Uniform Commercial Code of any relevant jurisdiction or any other applicable law (including the Bankruptcy Code) or principles of equity); provided, immediately upon the ineffectiveness, lapse or termination of any such provision, the Collateral shall include, and such Grantor shall be deemed to have granted a security interest in, all such rights and interests as if such provision had never been in effect.

1.2. *Definitions; Interpretation.* Capitalized terms used herein (including the preamble and recitals hereto) and not otherwise defined herein shall have the meanings ascribed thereto in the Credit Agreement or, if not defined therein, in the Uniform Commercial Code as in effect in the State of New York (the "UCC"). References to "Sections", "Exhibits" and "Schedules" shall be to Sections, Exhibits and Schedules, as the case may be, of this Agreement unless otherwise specifically provided. Section headings in this Agreement are included herein for convenience of reference only and shall not constitute a part of this Agreement for any other purpose or be given any substantive effect. The rules of construction set forth in Section 1.3 of the Credit Agreement shall be applicable to this Agreement *mutatis mutandis*. If any conflict or inconsistency exists between this Agreement and the Credit Agreement, the Credit Agreement shall govern.

SECTION 2. SECURITY FOR OBLIGATIONS; GRANTORS REMAIN LIABLE

2.1. *Security for Obligations.* This Agreement secures, and the Collateral is collateral security for, the prompt payment or performance in full when due, whether at stated maturity, by required prepayment, declaration, acceleration, demand or otherwise (including the payment of amounts that would become due but for the operation of the automatic stay under Section 362(a) of the Bankruptcy Code, 11 U.S.C. §362(a)), of all Obligations with respect to each Grantor (the "*Secured Obligations*").

2.2. *Grantors Remain Liable.* (a) Anything contained herein to the contrary notwithstanding, (i) each Grantor shall remain liable under any Partnership Agreement, LLC Agreement or any other contract or agreement included in the Collateral, to the extent set forth therein, to perform all of its duties and obligations thereunder to the same extent as if this Agreement had not been executed; (ii) the exercise by Secured Party of any of its rights hereunder shall not release any Grantor from any of its duties or obligations under the contracts and agreements included in the Collateral; and (iii) Secured Party shall not have any obligation or liability under any Partnership Agreement, LLC Agreement or any other contracts and agreements included in the Collateral by reason of this

Agreement, nor shall Secured Party be obligated to perform any of the obligations or duties of any Grantor thereunder or to take any action to collect or enforce any claim for payment assigned hereunder.

(b) Notwithstanding any of the foregoing, this Agreement shall not in any way be deemed to obligate Secured Party, any Lender or any purchaser at a foreclosure sale under this Agreement to assume any of any Grantor's obligations, duties, expenses or liabilities under any LLC Agreement or Partnership Agreement (including any Grantor's obligations as a general partner for the debts and obligations of a Partnership) and to manage the business and affairs of any Partnership or any of such Grantor's obligations for the debts and obligations of an LLC, or under any and all other agreements now existing or hereafter drafted or executed (collectively, the "*Grantor Obligations*") unless Secured Party, any Lender or any such purchaser otherwise expressly agrees in writing to assume any or all of said Grantor Obligations. In the event of foreclosure by Secured Party, each Grantor shall remain bound and obligated to perform its Grantor Obligations arising during or otherwise related to its ownership of the Collateral, and neither Secured Party nor any Lender shall be deemed to have assumed any of such Grantor Obligations except as provided in the preceding sentence. Without limiting the generality of the foregoing, neither the grant of the security interest in the Collateral in favor of Secured Party as provided herein nor the exercise by Secured Party of any of its rights hereunder nor any action by Secured Party in connection with a foreclosure on the Collateral shall be deemed to constitute Secured Party or any Lender a partner of any Partnership or a member of any LLC; provided, in the event Secured Party or any purchaser of Collateral at a foreclosure sale elects to become a substituted general partner of any Partnership or manager of any LLC in place of any Grantor, Secured Party or such purchaser, as the case may, shall adopt in writing the applicable Partnership Agreement or LLC Agreement, as the case may be, and agree to be bound by the terms and provisions thereof.

SECTION 3. REPRESENTATIONS AND WARRANTIES

3.1. *Generally.* Each Grantor represents and warrants that each of the representations and warranties set forth in Section 4.10 of the Credit Agreement is true and correct with respect to each item of Collateral applicable thereto owned by such Grantor as if fully set forth herein.

3.2. *Investment Property.* In addition to any other representation made thereby in any other Credit Document, each Grantor represents and warrants that with respect to each item of Collateral applicable thereto owned by such Grantor (a) all of the Pledged Stock has been duly authorized and validly issued and is fully paid and non-assessable; (b) the Pledged Securities (other than the Pledged Debt) constitute all of the issued and outstanding equity Securities of each issuer thereof (other than each foreign controlled corporation) that are owned by such Grantor, and there are no outstanding warrants, options or other rights to purchase, or other agreements outstanding with respect to, or property that is now or hereafter convertible into, or that requires the issuance or sale of, any of such Pledged Securities; (c) all of the Pledged Debt has been duly authorized, authenticated or issued, and

delivered and is the legal, valid and binding obligation of the issuers thereof and is not in default and constitutes all of the issued and outstanding inter company Indebtedness evidenced by a promissory note of the respective issuers thereof owing to such Grantor; (d) the security interest of Secured Party hereunder has been registered on the books and records of any issuer of "*uncertificated securities*" (as such term is defined in the UCC) included in the Collateral; and (e) with respect to all Investment Property, no consent of any Person, including any other limited or general partner of the Partnerships, any other member of any LLC, or any creditor of any Grantor, and no authorization, approval or other action by, and no notice to or filing with, any governmental authority or regulatory body is required for either (i) the grant by any Grantor of the security interests granted hereby, (ii) the execution, delivery or performance of this Agreement by any Grantor, or (iii) the perfection of or the exercise by Secured Party of its rights and remedies hereunder (except as may have been taken by or at the direction of any Grantor). None of the partnerships or limited liabilities included in the Pledged Securities have opted to have their interests governed by Article 8 of the Uniform Commercial Code of any jurisdiction pursuant to Section 8-103 thereof or otherwise. No Grantor shall consent to any such partnership or limited liability company electing to have their interests governed by Article 8 of the Uniform Commercial Code of any jurisdiction without the prior written consent of the Secured Party and in any event shall promptly inform the Secured Party in writing of any such election and take all action requested by the Secured Party to perfect and establish the Secured Party's control over such interests.

3.3. Intellectual Property Collateral. In addition to any other representation made thereby in any other Credit Document, each Grantor represents and warrants that with respect to each item of Collateral applicable thereto owned by such Grantor (a) a true and complete list of all Trademark Registrations and Trademark, Patents and Copyright Registrations and applications for Copyright Registrations owned, held (whether pursuant to a license or otherwise) or used by such Grantor, in whole or in part, as of the date of this Agreement is set forth in Schedule 1.1(c); (b) except as set forth on Schedule 3.3, such Grantor is not aware of any pending or threatened claim by any third party that any of the Intellectual Property owned, held or used by such Grantor is invalid or unenforceable; and (c) except as set forth on Schedule 3.3, no effective security interest or other Lien covering all or any part of the Intellectual Property Collateral is on file in the United States Patent and Trademark Office or the United States Copyright Office.

3.4. Equipment and Inventory. In addition to the representations and warranties made thereby in any other Credit Document, each Grantor represents and warrants that with respect to each item of Collateral applicable thereto owned by such Grantor all of the Equipment and Inventory is, as of the date hereof, located in the jurisdictions specified in Schedule 3.4.

3.5. Office Locations; Other Names. In addition to the representations and warranties made thereby in any other Credit Document, each Grantor represents and warrants that with respect to each item of Collateral applicable thereto owned by such Grantor as of the date hereof the chief place of business, the chief executive office and the office where such Grantor keeps its records regarding the Accounts and all originals of all chattel paper that evidence Accounts is, and has been for the

four month period preceding the date hereof, located at the places indicated on Schedule 3.5, and such Grantor has not in the past twelve months, and does not now do, business under any other name (including any trade-name or fictitious business name) except for those names set forth on Schedule 3.5.

SECTION 4. FURTHER ASSURANCES; ADDITIONAL GRANTORS

4.1. *Generally.* Each Grantor agrees that from time to time, at the expense of Grantor, each Grantor will promptly execute and deliver all further instruments and documents, and take all further action, that may be necessary or desirable, or that Secured Party may reasonably request, in order to perfect and protect any security interest granted or purported to be granted hereby or to enable Secured Party to exercise and enforce its rights and remedies hereunder with respect to any Collateral. Without limiting the generality of the foregoing, each Grantor will (a) execute and file such financing or continuation statements, or amendments thereto, and such other instruments or notices, as may be necessary, or as Secured Party may reasonably request, in order to perfect and preserve the security interests granted or purported to be granted hereby; (b) at any reasonable time, upon request by Secured Party, exhibit the Collateral to and allow inspection of the Collateral by Secured Party, or persons designated by Secured Party; and (c) at Secured Party's request, appear in and defend any action or proceeding that may affect Grantor's title to or Secured Party's security interest in all or any part of the Collateral. Each Grantor hereby authorizes Secured Party to file one or more financing or continuation statements, and amendments thereto, relative to all or any part of the Collateral without the signature of Grantor. Each Grantor agrees that a carbon, photographic or other reproduction of this Agreement or of a financing statement signed by Grantor shall be sufficient as a financing statement and may be filed as a financing statement in any and all jurisdictions. Each Grantor will furnish to Secured Party from time to time statements and schedules further identifying and describing the Collateral and such other reports in connection with the Collateral as Secured Party may reasonably request, all in reasonable detail.

4.2. *Investment Property.* (a) Each Grantor agrees that it will, upon obtaining any Additional Pledged Securities, promptly (and in any event within five Business Days) deliver to Secured Party a Pledge Supplement, duly executed by Grantor, in substantially the form of Exhibit A (a "*Pledge Supplement*"), in respect of such Additional Pledged Securities. Each Grantor hereby authorizes Secured Party to attach each Pledge Supplement to this Agreement and agrees that all Pledged Securities of Grantor listed on any Pledge Supplement shall for all purposes hereunder be considered Collateral of Grantor; provided, the failure of any Grantor to execute a Pledge Supplement with respect to any Additional Pledged Securities shall not impair the security interest of Secured Party therein or otherwise adversely affect the rights and remedies of Secured Party hereunder with respect thereto.

(b) Upon request of Secured Party, each Grantor shall cause each Person which is an issuer of an uncertificated security included in the Collateral to execute and deliver all instruments

and documents as may be necessary or advisable, and take all further action Secured Party may reasonably request, in order to perfect and protect any security interest granted or purported to be granted in such uncertificated securities, to establish "*control*" (as such term is defined in the UCC) by Secured Party over such Collateral or to enable Secured Party to exercise and enforce its rights and remedies hereunder with respect to such Collateral, including, and as applicable, (i) register the security interest granted hereby upon the books of such Person in accordance with Article 8 of the UCC, and (ii) deliver to Secured Party an Acknowledgment of Pledge, duly executed by the issuer of the applicable uncertificated security, in substantially the form of Exhibit B (an "*Acknowledgment of Pledge*").

(c) Each Grantor shall cause each securities intermediary which has created any Securities Entitlement in favor of such Grantor to execute and deliver such documents as may be necessary or advisable, and take such further action as the Secured Party may reasonably request, in order to perfect and establish control (as defined in the UCC) by the Secured Party over such Securities Entitlements.

4.3. Intellectual Property Collateral. If any Grantor shall hereafter obtain rights to any new Intellectual Property Collateral or become entitled to the benefit of (a) any patent application or patent or any reissue, division, continuation, renewal, extension or continuation-in-part of any Patent or any improvement of any Patent, or (b) any Copyright Registration, application for Registration or renewals or extension of any Copyright, then in any such case, the provisions of this Agreement shall automatically apply thereto. Each Grantor shall, as soon as reasonably practicable, notify Secured Party in writing of any of the foregoing rights acquired by such Grantor after the date hereof and of (i) any Trademark Registrations issued or applications for Trademark Registration or applications for Patents made, and (ii) any Copyright Registrations issued or applications for Copyright Registration made, in any such case, after the date hereof. As soon as reasonably practicable after the filing of an application for any (1) Trademark Registration, (2) Patent, and (3) Copyright Registration, each Grantor shall execute and deliver to Secured Party and record in all places where this Agreement is recorded a Pledge Supplement, pursuant to which such Grantor shall grant to Secured Party a security interest to the extent of its interest in such Intellectual Property Collateral; provided, if, in the reasonable judgment of such Grantor, after due inquiry, granting such interest would result in the grant of a Trademark Registration or Copyright Registration in the name of Secured Party, in which event such Grantor shall give written notice to Secured Party as soon as reasonably practicable and the filing shall instead be undertaken as soon as practicable following the grant of the applicable Trademark Registration or Copyright Registration, as the case may be. In addition to the foregoing, each Grantor hereby authorizes Secured Party to modify this Agreement without obtaining Grantor's approval of or signature to such modification to the extent, and only to the extent, of amending Schedule 1.1(c), as applicable, to include a complete and accurate reference to any right, title or interest in any existing Intellectual Property Collateral or any Intellectual Property Collateral acquired or developed by Grantor after the execution hereof or to delete any reference to any right, title or interest in any Intellectual Property Collateral in which Grantor no longer has or claims any right, title or interest.

4.4. *Accounts.* Each Grantor shall (a) mark conspicuously each item of chattel paper included in the Accounts, each Related Contract and, at the reasonable request of Secured Party, each of its records pertaining to the Collateral, with a legend, in form and substance reasonably satisfactory to Secured Party, indicating that such Collateral is subject to the security interest granted hereby, and (b) at the reasonable request of Secured Party, deliver to Secured Party hereunder all promissory notes and other instruments (excluding checks) and all original counterparts of chattel paper constituting Collateral, duly endorsed and accompanied by duly executed instruments of transfer or assignment, all in form and substance reasonably satisfactory to Secured Party.

4.5. *Additional Grantors.* From time to time subsequent to the date hereof, additional Persons may become parties hereto as additional Grantors (each, an "*Additional Grantor*"), by executing a Pledge Supplement. Upon delivery of any such Counterpart Agreement to Secured Party, notice of which is hereby waived by Grantors, each Additional Grantor shall be a Grantor and shall be as fully a party hereto as if Additional Grantor were an original signatory hereto. Each Grantor expressly agrees that its obligations arising hereunder shall not be affected or diminished by the addition or release of any other Grantor hereunder, nor by any election of Global Agent not to cause any Subsidiary of Company to become an Additional Grantor hereunder. This Agreement shall be fully effective as to any Grantor that is or becomes a party hereto regardless of whether any other Person becomes or fails to become or ceases to be a Grantor hereunder.

SECTION 5. COVENANTS OF GRANTORS

5.1. *Generally.* Each Grantor shall (a) except for the security interest created by this Agreement, not create or suffer to exist any Lien upon or with respect to any of the Collateral, except Permitted Liens; (b) not use or permit any Collateral to be used unlawfully or in violation of any provision of this Agreement or any applicable statute, regulation or ordinance or any policy of insurance covering the Collateral; (c) notify Secured Party of any change in Grantor's name, identity or corporate structure within thirty (30) days of such change; (d) diligently keep reasonable records respecting the Intellectual Property Collateral and at all times keep at least one complete set of its records concerning such Collateral at its chief executive office or principal place of business; (e) if Secured Party gives value to enable Grantor to acquire rights in or the use of any Collateral, use such value for such purposes; (f) pay promptly when due all property and other taxes, assessments and governmental charges or levies imposed upon, and all claims (including claims for labor, materials and supplies) against, the Collateral, except to the extent the validity thereof is being contested in good faith; provided, Grantor shall in any event pay such taxes, assessments, charges, levies or claims not later than five days prior to the date of any proposed sale under any judgement, writ or warrant of attachment entered or filed against Grantor or any of the Collateral as a result of the failure to make such payment; and (g) upon any officer of such Grantor obtaining knowledge thereof, promptly notify Secured Party in writing of any event that may materially and adversely affect the value of the Collateral or any portion thereof, the ability of Grantor or Secured Party to dispose of the Collateral or any portion thereof, or the rights and remedies of Secured Party in relation thereto,

including, without limitation, the levy of any legal process against the Collateral or any portion thereof. No Grantor shall sell, transfer or assign (by operation of law or otherwise) any Collateral except as permitted by Section 6 of the Credit Agreement (a "*Permitted Sale*"). So long as (i) no Event of Default shall have occurred and is then continuing or would occur after giving effect to a Permitted Sale, and (ii) to the extent required by Section 2.13(a) of the Credit Agreement, the Net Asset Sale Proceeds with respect to such Permitted Sale are delivered to Secured Party contemporaneously with such Permitted Sale, Secured Party shall release the Lien hereof encumbering the Collateral that is the subject of such Permitted Sale. Secured Party shall execute each and every appropriate filing statement and/or recording document reasonably requested by any Grantor in connection with the foregoing. Any reasonable expense or cost incurred by Secured Party in connection with any such release shall be for the account of the applicable Grantor.

5.2. *Investment Property.*

(a) *Delivery; Consents.*

(i) All certificates or instruments representing or evidencing the Investment Property shall be delivered to and held by or on behalf of Secured Party pursuant hereto and shall be in suitable form for transfer by delivery or, as applicable, shall be accompanied by Grantor's endorsement, where necessary, or duly executed instruments of transfer or assignment in blank, all in form and substance satisfactory to Secured Party. Upon the occurrence and during the continuation of an Event of Default, Secured Party shall have the right, without notice to any Grantor, to transfer to or to register in the name of Secured Party or any of its nominees any or all of the Investment Property, subject only to the revocable rights specified herein. In addition, Secured Party shall have the right at any time to exchange certificates or instruments representing or evidencing Investment Property for certificates or instruments of smaller or larger denominations.

(ii) Each Grantor hereby consents to the pledge of the Pledged Partnership Interests by each other Grantor in each Partnership pursuant to the terms hereof, and, subject to Section 7, to the transfer of such Pledged Partnership Interests to Secured Party or its nominee and to the substitution of Secured Party or its nominee as a substituted Partner or each such Partnership with all the rights, powers and duties of a general partner or a limited partners, as the case may be.

(iii) Each Grantor hereby consents to the pledge of the Pledged LLC Interests by each other Grantor in each LLC pursuant to the terms hereof, and, subject to Section 7, to the transfer of such Pledged LLC Interests to Secured Party or its nominee and to the substitution of Secured Party or its nominee as a substituted member of the LLC with all the rights, powers and duties of a member of the LLC in question.

(b) *Covenants.* Each Grantor shall (i) not permit any issuer of Pledged Stock to merge

or consolidate except as permitted by Section 6.7 of the Credit Agreement; (ii) cause each issuer of Pledged Stock not to issue any stock or other securities in addition to or in substitution for the Pledged Stock issued by such issuer, except to Grantor; (iii) promptly deliver to Secured Party notice of the conversion of any partnership interests in a Partnership Agreement or any membership interests in a LLC to certificated form; (iv) not (1) cancel or terminate any of the Partnership Agreements or LLC Agreements or consent to or accept any cancellation or termination thereof, (2) sell, assign (by operation of law or otherwise) or otherwise dispose of any part of its limited or general partnership interest in any of the Partnerships or its membership interest in any of the LLCs, (3) amend, supplement or otherwise modify any of the Partnership Agreements or any of the LLC Agreements (as in effect on the date hereof), (4) waive any default under or breach of any of the Partnership Agreements or any of the LLC Agreements or waive, fail to enforce, forgive or release any right, interest or entitlement of any kind, howsoever arising, under or in respect of any of the Partnership Agreements or any of the LLC Agreements or vary or agree to the variation in any respect of any of the provisions of any of the Partnership Agreements or any of the LLC Agreements or the performance of any Other Person under any of the Partnership Agreements or any of the LLC Agreements, or (5) petition, request or take any other legal or administrative action which seeks, or may reasonably be expected, to rescind, to terminate or to suspend any of the Partnership Agreements or any of the LLC Agreements or to amend or modify any of the Partnership Agreements or any of the LLC Agreements; (v) at its expense (1) perform and comply in all material respects with all terms and provisions of the Partnership Agreements and the LLC Agreements required to be performed or complied with by it, (2) maintain the Partnership Agreements and the LLC Agreements to which it is a party in full force and effect, and (3) enforce each of the Partnership Agreements and each of the LLC Agreements to which it is a party in accordance with its terms; (vi) not vote to permit the Partnerships or the LLCs to enter into any transaction of merger or consolidation, or liquidate, wind up or dissolve itself (or suffer any liquidation or dissolution) except as permitted by Section 6.7 of the Credit Agreement; and (vii) pledge hereunder, immediately upon its acquisition (directly or indirectly) thereof, any and all shares of stock of any Person that, after the date of this Agreement, becomes, as a result of any occurrence, a direct Subsidiary of any Grantor; provided, notwithstanding anything contained in this clause (vii) to the contrary, such Grantor shall only be required to pledge the outstanding capital stock of a controlled foreign corporation possessing up to but not exceeding 65% of the voting power of all classes of capital stock of such controlled foreign corporation entitled to vote.

(c) *Voting and Distributions.*

(i) So long as no Event of Default shall have occurred and be continuing, (1) each Grantor shall be entitled to exercise any and all voting and other consensual rights pertaining to the Investment Property or any part thereof for any purpose not inconsistent with the terms of this Agreement or the Credit Agreement; provided, no Grantor shall exercise or refrain from exercising any such right if Secured Party shall have notified Grantor that, in Secured Party's reasonable judgment, such action would have a material adverse effect on the value of the Investment Property or any part thereof; and provided further, Grantor shall give

Secured Party at least two Business Days' prior written notice of the manner in which it intends to exercise, or the reasons for refraining from exercising, any such right. It is understood, however, that neither (A) the voting by Grantor of any Pledged Stock for or Grantor's consent to the election of directors at a regularly scheduled annual or other meeting of stockholders or with respect to incidental matters at any such meeting, nor (B) Grantor's consent to or approval of any action otherwise permitted under this Agreement and the Credit Agreement shall be deemed inconsistent with the terms of this Agreement or the Credit Agreement within the meaning of this Section, and no notice of any such voting or consent need be given to Secured Party; (2) Grantor shall be entitled to receive and retain, and to utilize free and clear of the lien of this Agreement, any and all dividends and interest paid in respect of the Investment Property; provided, any and all (A) dividends and interest paid or payable other than in cash in respect of, and instruments and other property received, receivable or otherwise distributed in respect of, or in exchange for, any Investment Property, (B) dividends and other distributions paid or payable in cash in respect of any Investment Property in connection with a partial or total liquidation or dissolution or in connection with a reduction of capital, capital surplus or paid-in-surplus, and (C) cash paid, payable or otherwise distributed in respect of principal or in redemption of or in exchange for any Investment Property, shall be, and shall forthwith be delivered to Secured Party to hold as, Investment Property and shall, if received by Grantor, be received in trust for the benefit of Secured Party, be segregated from the other property or funds of Grantor and be forthwith delivered to Secured Party as Investment Property in the same form as so received (with all necessary endorsements); and (3) Secured Party shall promptly execute and deliver (or cause to be executed and delivered) to Grantor all such proxies, dividend payment orders and other instruments as Grantor may from time to time reasonably request for the purpose of enabling Grantor to exercise the voting and other consensual rights when and to the extent which it is entitled to exercise pursuant to clause (i) above and to receive the dividends, principal or interest payments which it is authorized to receive and retain pursuant to clause (2) above.

(ii) Upon the occurrence and during the continuation of an Event of Default, (1) upon written notice from Secured Party to any Grantor, all rights of Grantor to exercise the voting and other consensual rights which it would otherwise be entitled to exercise pursuant hereto shall cease, and all such rights shall thereupon become vested in Secured Party who shall thereupon have the sole right to exercise such voting and other consensual rights; (2) all rights of Grantor to receive the dividends and interest payments which it would otherwise be authorized to receive and retain pursuant hereto shall cease, and all such rights shall thereupon become vested in Secured Party who shall thereupon have the sole right to receive and hold as Investment Property such dividends and interest payments; and (3) all payments which are received by Grantor contrary to the provisions of clause (2) above shall be received in trust for the benefit of Secured Party, shall be segregated from other funds of Grantor and shall forthwith be paid over to Secured Party as Investment Property in the same form as so received (with any necessary endorsements); and (4) all rights of such Grantor to receive any and all payments under or in connection with the Partnership Agreements and/or

the LLC Agreements, including but not limited to the profits, dividends, and other distributions which it would otherwise be authorized to receive and retain pursuant hereto, shall cease, and all such rights shall thereupon become vested in Secured Party who shall thereupon have the sole right to receive and hold such payments as collateral.

(iii) IN ORDER TO PERMIT SECURED PARTY TO EXERCISE THE VOTING AND OTHER CONSENSUAL RIGHTS WHICH IT MAY BE ENTITLED TO EXERCISE PURSUANT HERETO AND TO RECEIVE ALL DIVIDENDS AND OTHER DISTRIBUTIONS WHICH IT MAY BE ENTITLED TO RECEIVE HEREUNDER, (1) GRANTOR SHALL PROMPTLY EXECUTE AND DELIVER (OR CAUSE TO BE EXECUTED AND DELIVERED) TO SECURED PARTY ALL SUCH PROXIES, DIVIDEND PAYMENT ORDERS AND OTHER INSTRUMENTS AS SECURED PARTY MAY FROM TIME TO TIME REASONABLY REQUEST, AND (2) WITHOUT LIMITING THE EFFECT OF CLAUSE (1) ABOVE, EACH GRANTOR HEREBY GRANTS TO SECURED PARTY AN IRREVOCABLE PROXY TO VOTE THE PLEDGED SECURITIES AND TO EXERCISE ALL OTHER RIGHTS, POWERS, PRIVILEGES AND REMEDIES TO WHICH A HOLDER OF THE PLEDGED SECURITIES WOULD BE ENTITLED (INCLUDING GIVING OR WITHHOLDING WRITTEN CONSENTS OF SHAREHOLDERS, CALLING SPECIAL MEETINGS OF SHAREHOLDERS AND VOTING AT SUCH MEETINGS), WHICH PROXY SHALL BE EFFECTIVE, AUTOMATICALLY AND WITHOUT THE NECESSITY OF ANY ACTION (INCLUDING ANY TRANSFER OF ANY PLEDGED SECURITIES ON THE RECORD BOOKS OF THE ISSUER THEREOF) BY ANY OTHER PERSON (INCLUDING THE ISSUER OF THE PLEDGED SECURITIES OR ANY OFFICER OR AGENT THEREOF), UPON THE OCCURRENCE AND DURING THE CONTINUATION OF AN EVENT OF DEFAULT, AND WHICH PROXY SHALL ONLY TERMINATE UPON THE PAYMENT IN FULL OF THE SECURED OBLIGATIONS.

(d) *Excluded Subsidiaries.* If at any time one or more Excluded Subsidiaries account for more than 10% of the consolidated revenues or 10% of the consolidated assets of Company and its Subsidiaries for the most recent Fiscal Year, then within thirty (30) days of the earlier of (i) written notice from Secured Party as to the foregoing calculations, and (ii) a determination by Company as to the foregoing calculations, the applicable Grantor shall, with respect to one or more such Excluded Subsidiaries, subject the equity Securities thereof to the Lien of Secured Party pursuant to Section 1.1(a)(i) and shall take all such other actions as may be reasonably required by Secured Party, so that upon giving effect thereto, Excluded Subsidiaries as to which no such action has been taken, if any, do not, in the aggregate, account for more than 10% of the consolidated revenues or 10% of the consolidated assets of Company and its Subsidiaries.

5.3. *Intellectual Property Collateral.*

(a) *Covenants.* Each Grantor shall (i) hereafter use commercially reasonable efforts so as not to permit the inclusion in any contract to which it hereafter becomes a party of any provision that could or might in any way materially impair or prevent the creation of a security interest in, or the assignment of, such Grantor's rights and interests in any property included within the definitions of any Intellectual Property Collateral acquired under such contracts; (ii) take all steps reasonably necessary to protect the secrecy of all trade secrets relating to the products and services sold or delivered under or in connection with the Intellectual Property Collateral, including, without limitation, entering into confidentiality agreements with employees and labeling and restricting access to secret information and documents; (iii) use proper statutory notice in connection with its use of any of the Intellectual Property Collateral; (iv) use consistent standards of high quality (which may be consistent with such Grantor's past practices) in the manufacture, sale and delivery of products and services sold or delivered under or in connection with the Intellectual Property Collateral; and (v) furnish to Secured Party from time to time statements and schedules further identifying and describing any Intellectual Property Collateral and such other reports in connection with such Collateral as Secured Party may reasonably request, all in reasonable detail.

(b) *Collections.* Except as otherwise provided in this Section 5.3, each Grantor shall continue to collect, at its own expense, all amounts due or to become due to such Grantor in respect of the Intellectual Property Collateral or any portion thereof. In connection with such collections, each Grantor may take (and, at Secured Party's reasonable direction, shall take) such action as such Grantor or Secured Party may deem reasonably necessary or advisable to enforce collection of such amounts; provided, Secured Party shall have the right at any time, upon the occurrence and during the continuation of an Event of Default and upon written notice to such Grantor of its intention to do so, to notify the obligors with respect to any such amounts of the existence of the security interest created hereby and to direct such obligors to make payment of all such amounts directly to Secured Party, and, upon such notification and at the expense of such Grantor, to enforce collection of any such amounts and to adjust, settle or compromise the amount or payment thereof, in the same manner and to the same extent as such Grantor might have done. After receipt by any Grantor of the notice from Secured Party referred to in the proviso to the preceding sentence and during the continuation of any Event of Default, (i) all amounts and proceeds (including checks and other instruments) received by Grantor in respect of amounts due to such Grantor in respect of the Collateral or any portion thereof shall be received in trust for the benefit of Secured Party hereunder, shall be segregated from other funds of such Grantor and shall be forthwith paid over or delivered to Secured Party in the same form as so received (with any necessary endorsement) to be held as cash Collateral and applied as provided by Section 7.3, and (ii) Grantor shall not adjust, settle or compromise the amount or payment of any such amount or release wholly or partly any obligor with respect thereto or allow any credit or discount thereon.

(c) *Applications and Registrations.* Each Grantor shall have the duty to prosecute, file and/or make, unless and until such Grantor, in its commercially reasonable judgment, decides

otherwise, (i) any application relating to any of the Intellectual Property Collateral owned, held or used by such Grantor and identified on Schedule 1.1(c), that is pending as of the date of this Agreement, (ii) any Registration of any existing or future unregistered but copyrightable works (except for works of nominal commercial value or with respect to which such Grantor has determined in the exercise of its commercially reasonable judgment that it shall not seek registration), (iii) application on any existing patent or future patentable but unpatented invention comprising Intellectual Property Collateral (except for inventions of nominal commercial value (as determined by such Grantor in its commercially reasonable judgment) or with respect to which such Grantor has determined, in its commercially reasonable judgment, that it shall not seek issuance of a patent), and (iv) any Trademark opposition and cancellation proceedings, renew Trademark Registrations and Copyright Registrations and do any and all acts which are necessary or desirable, as determined in such Grantor's commercially reasonable judgment, to preserve and maintain all rights in all Intellectual Property Collateral. Any expenses incurred in connection therewith shall be borne solely by Grantor.

(d) *Litigation.* Except as provided herein, each Grantor shall have the right to commence and prosecute in its own name, as real party in interest, for its own benefit and at its own expense, such suits, proceedings or other actions for infringement, unfair competition, dilution, misappropriation or other damage, or reexamination or reissue proceedings as are in its commercially reasonable judgment necessary to protect the Intellectual Property Collateral. Secured Party shall provide, at each Grantor's expense, all reasonable and necessary cooperation in connection with any such suit, proceeding or action including, without limitation, joining as a necessary party. Each Grantor shall as soon as reasonably practicable, following its becoming aware thereof, notify Secured Party of the institution of, or of any adverse determination in, any proceeding (whether in the United States Patent and Trademark Office, the United States Copyright Office or any federal, state, local or foreign court) or regarding such Grantor's ownership, right to use, or interest in any Intellectual Property Collateral and such Grantor shall provide to Secured Party such information with respect thereto as may be reasonably requested by Secured Party.

(e) *Certain Rights of Secured Party.* In addition to, and not by way of limitation of, the granting of a security interest in the Collateral pursuant hereto, each Grantor, contingent and effective upon the occurrence and during the continuation of an Event of Default and upon written notice from Secured Party, shall grant, sell, convey, transfer, assign and set over to Secured Party, for its benefit and the ratable benefit of Lenders, all of such Grantor's right, title and interest in and to the Intellectual Property Collateral to the extent necessary to enable Secured Party to use, possess and realize on the Collateral and to enable any successor or assign to enjoy the benefits of the Collateral. This contingent right and license shall inure to the benefit of all successors, assigns and transferees of Secured Party and its successors, assigns and transferees, whether by voluntary conveyance, operation of law, assignment, transfer, foreclosure, deed in lieu of foreclosure or otherwise. Such right and license shall be granted free of charge, without requirement that any monetary payment whatsoever be made to such Grantor. In addition, subject in each case to Section 5.6 or the Credit Agreement, each Grantor hereby grants to Secured Party and its employees,

representatives and agents the right to visit Grantor's and any of its Affiliate's or subcontractor's plants, facilities and other places of business that are utilized in connection with the manufacture, production, inspection, storage or sale of products and services sold or delivered under any of the Intellectual Property Collateral (or which were so utilized during the prior six month period), and to inspect the quality control and all other records relating thereto upon reasonable advance written notice to such Grantor and at reasonable dates and times and as often as may be reasonably requested. If and to the extent that any Grantor is permitted to license the Intellectual Property Collateral, Secured Party shall promptly enter into a non-disturbance agreement or other similar arrangement, at such Grantor's request and expense, with such Grantor and any licensee of any Intellectual Property Collateral permitted hereunder in form and substance reasonably satisfactory to such Grantor and Secured Party pursuant to which (i) Secured Party shall agree not to disturb or interfere with such licensee's rights under its license agreement with Grantor so long as such licensee is not in default thereunder, and (ii) such licensee shall acknowledge and agree that the Intellectual Property Collateral licensed to it is subject to the security interest created in favor of Secured Party and the other terms of this Agreement.

5.4. Equipment and Inventory. Each Grantor shall:

(a) keep the Equipment and Inventory in the jurisdictions specified on Schedule 3.4 or upon 30 days' prior written notice to Secured Party, in such other jurisdictions where all action that Secured Party may reasonably request, in order to perfect and protect any security interest granted or purported to be granted hereby, or to enable Secured Party to exercise and enforce its rights and remedies hereunder, with respect to such Equipment and Inventory shall have been taken;

(b) keep correct and accurate records of the Inventory, itemizing and describing the kind, type and quantity of Inventory, such Grantor's cost therefor and (where applicable) the current list prices for the Inventory; and

(c) if any Inventory is in possession or control of any of such Grantor's agents or processors, upon the occurrence and during the continuance of an Event of Default, instruct such agent or processor to hold all such Inventory for the account of Secured Party and subject to the instructions of Secured Party.

5.5. Accounts and Related Contracts. Each Grantor shall:

(a) keep its chief place of business and chief executive office and the office where it keeps its records concerning the Accounts and Related Contracts, and all originals of all chattel paper that evidence Accounts, at the location therefor specified on Schedule 3.5 or, upon 30 days' written notice to Secured Party following any change in location, at such other location in a jurisdiction where all action that Secured Party may request, in order to perfect and protect any security interest granted or purported to be granted hereby, or to enable Secured Party to exercise and enforce its rights and remedies hereunder, with respect to such Accounts and Related Contracts

shall have been taken. Promptly upon the reasonable request of Secured Party, such Grantor shall deliver to Secured Party complete and correct copies of each Related Contract;

(b) maintain (i) complete records of all Accounts, including records of all payments received, credits granted and merchandise returned, and (ii) all documentation relating thereto in accordance with prudent business practices;

(c) except as otherwise provided in this subsection (c), continue to collect, at its own expense, all amounts due or to become due to such Grantor under the Accounts and Related Contracts, and in connection with such collections, such Grantor shall take such action as such Grantor or Secured Party may deem necessary or advisable to enforce collection of amounts due or to become due under the Accounts; provided, Secured Party shall have the right at any time, upon the occurrence and during the continuation of an Event of Default and upon written notice to such Grantor of its intention to do so, to notify the account debtors or obligors under any Accounts of the assignment of such Accounts to Secured Party and to direct such account debtors or obligors to make payment of all amounts due or to become due to such Grantor thereunder directly to Secured Party, to notify each Person maintaining a lockbox or similar arrangement to which account debtors or obligors under any Accounts have been directed to make payment to remit all amounts representing collections on checks and other payment items from time to time sent to or deposited in such lockbox or other arrangement directly to Secured Party and, upon such notification and at the expense of such Grantor, to enforce collection of any such Accounts and to adjust, settle or compromise the amount or payment thereof, in the same manner and to the same extent as such Grantor might have done. After receipt by any Grantor of the notice from Secured Party referred to in the proviso to the preceding sentence, (i) any payments of Accounts, received by such Grantor shall be forthwith (and in any event within two Business Days) deposited by such Grantor in the exact form received, duly indorsed by such Grantor to Secured Party if required, in the Collateral Account, subject to withdrawal by Secured Party for the account of the Secured Parties only as provided in Section 7.4, (ii) until so turned over in accordance with the preceding subsection (i), all amounts and proceeds (including checks and other instruments) received by such Grantor in respect of the Accounts and the Related Contracts shall be received in trust for the benefit of Secured Party hereunder and shall be segregated from other funds of such Grantor and (iii) such Grantor shall not adjust, settle or compromise the amount or payment of any Account, or release wholly or partly any account debtor or obligor thereof, or allow any credit or discount thereon.

SECTION 6. SECURED PARTY APPOINTED ATTORNEY-IN-FACT

Each Grantor hereby irrevocably appoints Secured Party as Grantor's attorney-in-fact, with full authority in the place and stead of Grantor and in the name of Grantor, Secured Party or otherwise, from time to time in Secured Party's discretion to take any action and to execute any instrument that Secured Party may deem reasonably necessary or advisable to accomplish the purposes of this Agreement upon the occurrence and during the continuation of any Event of

Default, including (a) to obtain and adjust insurance required to be maintained by Grantor or paid to Secured Party pursuant to the Credit Agreement; (b) to ask for, demand, collect, sue for, recover, compound, receive and give acquittance and receipts for moneys due and to become due under or in respect of any of the Collateral; (c) to receive, endorse and collect any drafts or other instruments, documents and chattel paper in connection with clause (b) above; (d) to file any claims or take any action or institute any proceedings that Secured Party may deem necessary or desirable for the collection of any of the Collateral or otherwise to enforce the rights of Secured Party with respect to any of the Collateral; (e) to pay or discharge taxes or Liens (other than Liens permitted under this Agreement or the Credit Agreement) levied or placed upon or threatened against the Collateral, the legality or validity thereof and the amounts necessary to discharge the same to be determined by Secured Party in its sole discretion, any such payments made by Secured Party to become obligations of Grantor to Secured Party, due and payable immediately without demand; and (f) generally to sell, transfer, pledge, make any agreement with respect to or otherwise deal with any of the Collateral as fully and completely as though Secured Party were the absolute owner thereof for all purposes, and to do, at Secured Party's option and Grantor's expense, at any time or from time to time, all acts and things that Secured Party deems reasonably necessary to protect, preserve or realize upon the Collateral and Secured Party's security interest therein in order to effect the intent of this Agreement, all as fully and effectively as Grantor might do.

SECTION 7. REMEDIES

7.1. *Generally.* If any Event of Default shall have occurred and be continuing, Secured Party may exercise in respect of the Collateral, in addition to all other rights and remedies provided for herein or otherwise available to it at law or in equity, all the rights and remedies of a secured party on default under the UCC (whether or not the UCC applies to the affected Collateral), and also may (a) require any Grantor to, and each Grantor hereby agrees that it will at its expense and upon request of Secured Party forthwith, assemble all or part of the Collateral as directed by Secured Party and make it available to Secured Party at a place to be designated by Secured Party that is reasonably convenient to both parties; (b) enter onto the property where any Collateral is located and take possession thereof with or without judicial process; (c) prior to the disposition of the Collateral, store, process, repair or recondition the Collateral or otherwise prepare the Collateral for disposition in any manner to the extent Secured Party deems appropriate; (d) without notice except as specified below, sell the Collateral or any part thereof in one or more parcels at public or private sale, at any of Secured Party's offices or elsewhere, for cash, on credit or for future delivery, at such time or times and at such price or prices and upon such other terms as Secured Party may deem commercially reasonable; and (e) exercise dominion and control over, and refuse to permit further withdrawals (whether of money, securities, instruments or other property) from any deposit account maintained with Secured Party constituting part of the Collateral. Secured Party or any Lender or Lender Counterparty may be the purchaser of any or all of the Collateral at any such sale and Secured Party, as agent for and representative of Lenders and Lender Counterparties (but not any Lender or Lenders or Lender Counterparties in its or their respective individual capacities unless

Requisite Obligees (as defined in Section 8) shall otherwise agree in writing), shall be entitled, for the purpose of bidding and making settlement or payment of the purchase price for all or any portion of the Collateral sold at any such public sale, to use and apply any of the Secured Obligations as a credit on account of the purchase price for any Collateral payable by Secured Party at such sale. Each purchaser at any such sale shall hold the property sold absolutely free from any claim or right on the part of any Grantor, and each Grantor hereby waives (to the extent permitted by applicable law) all rights of redemption, stay and/or appraisal which it now has or may at any time in the future have under any rule of law or statute now existing or hereafter enacted. Each Grantor agrees that, to the extent notice of sale shall be required by law, ten days' notice to Grantor of the time and place of any public sale or the time after which any private sale is to be made shall constitute reasonable notification. Secured Party shall not be obligated to make any sale of Collateral regardless of notice of sale having been given. Secured Party may adjourn any public or private sale from time to time by announcement at the time and place fixed therefor, and such sale may, without further notice, be made at the time and place to which it was so adjourned. Each Grantor hereby waives any claims against Secured Party arising by reason of the fact that the price at which any Collateral may have been sold at such a private sale was less than the price which might have been obtained at a public sale, even if Secured Party accepts the first offer received and does not offer such Collateral to more than one offeree. If the proceeds of any sale or other disposition of the Collateral are insufficient to pay all the Secured Obligations, Grantors shall be liable for the deficiency and the fees of any attorneys employed by Secured Party to collect such deficiency. Each Grantor further agrees that a breach of any of the covenants contained in this Section will cause irreparable injury to Secured Party, that Secured Party has no adequate remedy at law in respect of such breach and, as a consequence, that each and every covenant contained in this Section shall be specifically enforceable against Grantor, and Grantor hereby waives and agrees not to assert any defenses against an action for specific performance of such covenants except for a defense that no default has occurred giving rise to the Secured Obligations becoming due and payable prior to their stated maturities. Nothing in this Section shall in any way alter the rights of Secured Party hereunder.

7.2. *Investment Property.* Each Grantor recognizes that, by reason of certain prohibitions contained in the Securities Act and applicable state securities laws, Secured Party may be compelled, with respect to any sale of all or any part of the Investment Property conducted without prior registration or qualification of such Investment Property under the Securities Act and/or such state securities laws, to limit purchasers to those who will agree, among other things, to acquire the Investment Property for their own account, for investment and not with a view to the distribution or resale thereof. Each Grantor acknowledges that any such private sales may be at prices and on terms less favorable than those obtainable through a public sale without such restrictions (including a public offering made pursuant to a registration statement under the Securities Act) and, notwithstanding such circumstances each Grantor agrees that any such private sale shall be deemed to have been made in a commercially reasonable manner and that Secured Party shall have no obligation to engage in public sales and no obligation to delay the sale of any Investment Property for the period of time necessary to permit the issuer thereof to register it for a form of public sale requiring registration under the Securities Act or under applicable state securities laws, even if such

issuer would, or should, agree to so register it. If Secured Party determines to exercise its right to sell any or all of the Investment Property, upon written request, each Grantor shall and shall cause each issuer of any Pledged Stock to be sold hereunder, each Partnership and each LLC from time to time to furnish to Secured Party all such information as Secured Party may request in order to determine the number and nature of interest, shares or other instruments included in the Investment Property which may be sold by Secured Party in exempt transactions under the Securities Act and the rules and regulations of the Securities and Exchange Commission thereunder, as the same are from time to time in effect.

7.3. *Intellectual Property Collateral.* (a) Anything contained herein to the contrary notwithstanding, upon the occurrence and during the continuation of an Event of Default, (i) Secured Party shall have the right (but not the obligation) to bring suit or otherwise commence any action or proceeding in the name of any Grantor, Secured Party or otherwise, to enforce any Intellectual Property Collateral, in which event such Grantor shall, at the request of Secured Party, do any and all lawful acts and execute any and all documents required by Secured Party in aid of such enforcement and such Grantor shall promptly, upon demand, reimburse and indemnify Secured Party as provided in Section 10.2 of the Credit Agreement in connection with the exercise of its rights under this Section, and, to the extent that Secured Party shall elect not to bring suit to enforce any Intellectual Property Collateral as provided in this Section, each Grantor agrees to use all reasonable measures, whether by action, suit, proceeding or otherwise, to prevent the infringement of any of the Intellectual Property Collateral by others and for that purpose agrees to diligently maintain any such suit, action or proceeding against any Person so infringing as shall be necessary to prevent such infringement; provided, any such suit, action or proceeding shall be brought or otherwise commenced, and thereafter continued, only for a commercially reasonable purpose; (ii) upon written demand from Secured Party, each Grantor shall execute and deliver to Secured Party an assignment or assignments of the Intellectual Property Collateral and such other documents as are necessary or appropriate to carry out the intent and purposes of this Agreement; (iii) each Grantor agrees that such an assignment and/or recording shall be applied to reduce the Secured Obligations outstanding only to the extent that Secured Party (or any Lender) receives cash proceeds in respect of the sale of, or other realization upon, the Intellectual Property Collateral; and (iv) within five Business Days after written notice from Secured Party, Grantor shall make available to Secured Party, to the extent within Grantor's power and authority, such personnel in Grantor's employ on the date of such Event of Default as Secured Party may reasonably designate, by name, title or job responsibility, to permit Grantor to continue, directly or indirectly, to produce, advertise and sell the products and services sold or delivered by Grantor under or in connection with the Trademarks, Trademark Registrations and Trademark Rights, such persons to be available to perform their prior functions on Secured Party's behalf and to be compensated by Secured Party at Grantor's expense on a per diem, pro-rata basis consistent with the salary and benefit structure applicable to each as of the date of such Event of Default.

(b) If (i) an Event of Default shall have occurred and, by reason of cure, waiver, modification, amendment or otherwise, no longer be continuing, (ii) no other Event of Default shall

have occurred and be continuing, (iii) an assignment to Secured Party of any rights, title and interests in and to the Intellectual Property Collateral shall have been previously made and shall have become absolute and effective, and (iv) the Secured Obligations shall not have become immediately due and payable, upon the written request of Grantor, Secured Party shall promptly execute and deliver to Grantor such assignments as may be necessary to reassign to Grantor any such rights, title and interests as may have been assigned to Secured Party as aforesaid, subject to any disposition thereof that may have been made by Secured Party; provided, after giving effect to such reassignment, Secured Party's security interest granted pursuant hereto, as well as all other rights and remedies of Secured Party granted hereunder, shall continue to be in full force and effect; and provided further, the rights, title and interests so reassigned shall be free and clear of all Liens other than Liens (if any) encumbering such rights, title and interest at the time of their assignment to Secured Party and Permitted Liens.

7.4. *Accounts.* In addition to the rights of Secured Party and the Secured Parties specified in Section 5.5 with respect to payments of Accounts and Instruments, if an Event of Default shall occur and be continuing, upon request of Secured Party, all proceeds received by any Grantor consisting of cash, checks and other near-cash items shall be held by such Grantor in trust for Secured Party and the Secured Parties, segregated from other funds of such Grantor, and shall, forthwith upon receipt by such Grantor, be turned over to Secured Party in the exact form received by such Grantor (duly indorsed by such Grantor to Secured Party, if required) and held by Secured Party in the Collateral Account. All proceeds while held by Secured Party in the Collateral Account (or by such Grantor in trust for Secured Party and the Secured Parties) shall continue to be held as collateral security for all the Obligations and shall not constitute payment thereof until applied as provided in Section 7.5.

7.5. *Application of Proceeds.* Except as expressly provided elsewhere in this Agreement, all proceeds received by Secured Party in respect of any sale of, collection from, or other realization upon all or any part of the Collateral shall be applied as provided in Section 2.15 of the Credit Agreement.

SECTION 8. SECURED PARTY AS AGENT

Secured Party has been appointed to act as Secured Party hereunder by Lenders and, by their acceptance of the benefits hereof, Lender Counterparties. Secured Party shall be obligated, and shall have the right hereunder, to make demands, to give notices, to exercise or refrain from exercising any rights, and to take or refrain from taking any action (including the release or substitution of Collateral), solely in accordance with this Agreement and the Credit Agreement; provided, Secured Party shall exercise, or refrain from exercising, any remedies provided for herein in accordance with the instructions of (a) Requisite Lenders or (b) after payment in full of all Obligations under the Credit Agreement and the other Credit Documents, the holders of a majority of the aggregate notional amount (or, with respect to any Hedge Agreement that has been terminated in accordance

with its terms, the amount then due and payable (exclusive of expenses and similar payments but including any early termination payments then due) under such Hedge Agreement) under all Hedge Agreements (Requisite Lenders or, if applicable, such holders being referred to herein as "*Requisite Obligees*"). In furtherance of the foregoing provisions of this Section, each Lender Counterparty, by its acceptance of the benefits hereof, agrees that it shall have no right individually to realize upon any of the Collateral hereunder, it being understood and agreed by such Lender Counterparty that all rights and remedies hereunder may be exercised solely by Secured Party for the benefit of Lenders and Lender Counterparties in accordance with the terms of this Section. Secured Party shall at all times be the same Person that is Global Agent under the Credit Agreement. Written notice of resignation by Global Agent pursuant to terms of the Credit Agreement shall also constitute notice of resignation as Secured Party under this Agreement; removal of Global Agent pursuant to the terms of the Credit Agreement shall also constitute removal as Secured Party under this Agreement; and appointment of a successor Global Agent pursuant to the terms of the Credit Agreement shall also constitute appointment of a successor Secured Party under this Agreement. Upon the acceptance of any appointment as Global Agent under the terms of the Credit Agreement by a successor Global Agent, that successor Agent shall thereupon succeed to and become vested with all the rights, powers, privileges and duties of the retiring or removed Secured Party under this Agreement, and the retiring or removed Secured Party under this Agreement shall promptly (i) transfer to such successor Secured Party all sums, securities and other items of Collateral held hereunder, together with all records and other documents necessary or appropriate in connection with the performance of the duties of the successor Secured Party under this Agreement, and (ii) execute and deliver to such successor Secured Party such amendments to financing statements, and take such other actions, as may be necessary or appropriate in connection with the assignment to such successor Secured Party of the security interests created hereunder, whereupon such retiring or removed Secured Party shall be discharged from its duties and obligations under this Agreement. After any retiring or removed Global Agent's resignation or removal hereunder as Secured Party, the provisions of this Agreement shall inure to its benefit as to any actions taken or omitted to be taken by it under this Agreement while it was Secured Party hereunder.

SECTION 9. CONTINUING SECURITY INTEREST; TRANSFER OF LOANS

This Agreement shall create a continuing security interest in the Collateral and shall (a) remain in full force and effect until the payment in full of the Secured Obligations, the cancellation or termination of the Commitments and the cancellation or expiration of all outstanding Letters of Credit, (b) be binding upon each Grantor, its successors and assigns, and (c) inure, together with the rights and remedies of Secured Party hereunder, to the benefit of Secured Party and its successors, transferees and assigns. Without limiting the generality of the foregoing clause (c), but subject to the terms of the Credit Agreement, any Lender may assign or otherwise transfer any Loans held by it to any other Person, and such other Person shall thereupon become vested with all the benefits in respect thereof granted to Lenders herein or otherwise. Upon the payment in full of all Secured Obligations, the cancellation or termination of the Commitments and the cancellation or expiration

of all outstanding Letters of Credit, the security interest granted hereby shall terminate hereunder and of record and all rights to the Collateral shall revert to Grantor. Upon any such termination Secured Party will, at Grantors' expense, execute and deliver to Grantors such documents as Grantors shall reasonably request to evidence such termination.

SECTION 10. STANDARD OF CARE; SECURED PARTY MAY PERFORM.

The powers conferred on Secured Party hereunder are solely to protect its interest in the Collateral and shall not impose any duty upon it to exercise any such powers. Except for the exercise of reasonable care in the custody of any Collateral in its possession and the accounting for moneys actually received by it hereunder, Secured Party shall have no duty as to any Collateral or as to the taking of any necessary steps to preserve rights against prior parties or any other rights pertaining to any Collateral. Secured Party shall be deemed to have exercised reasonable care in the custody and preservation of Collateral in its possession if such Collateral is accorded treatment substantially equal to that which Secured Party accords its own property. If any Grantor fails to perform any agreement contained herein, Secured Party may itself perform, or cause performance of, such agreement, and the expenses of Secured Party incurred in connection therewith shall be payable by each Grantor under Section 10.2 of the Credit Agreement.

SECTION 11. INDEMNITY AND EXPENSES

(a) Each Grantor agrees:

(i) to indemnify Secured Party from and against any and all claims, losses and liabilities in any way relating to, growing out of or resulting from this Agreement and the transactions contemplated hereby (including without limitation enforcement of this Agreement), except to the extent such claims, losses or liabilities result from Secured Party's gross negligence, bad faith, or willful misconduct as determined by a court of competent jurisdiction; and

(ii) to pay to Secured Party promptly following written demand the amount of any and all reasonable costs and reasonable expenses, including the reasonable fees and expenses of its counsel and of any experts and agents in accordance with the terms and conditions of the Credit Agreement.

(b) The obligations of each Grantor in this Section 11 shall survive the termination of this Agreement and the discharge of such Grantor's other obligations under this Agreement, the Hedge Agreements, the Credit Agreement and any other Credit Documents.

SECTION 12. MISCELLANEOUS

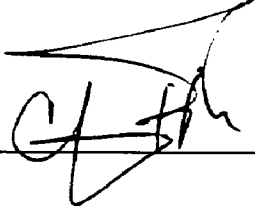
Any notice required or permitted to be given under this Agreement shall be given in accordance with Section 10.1 of the Credit Agreement. No failure or delay on the part of Secured Party in the exercise of any power, right or privilege hereunder or under any other Credit Document shall impair such power, right or privilege or be construed to be a waiver of any default or acquiescence therein, nor shall any single or partial exercise of any such power, right or privilege preclude other or further exercise thereof or of any other power, right or privilege. All rights and remedies existing under this Agreement and the other Credit Documents are cumulative to, and not exclusive of, any rights or remedies otherwise available. In case any provision in or obligation under this Agreement shall be invalid, illegal or unenforceable in any jurisdiction, the validity, legality and enforceability of the remaining provisions or obligations, or of such provision or obligation in any other jurisdiction, shall not in any way be affected or impaired thereby. All covenants hereunder shall be given independent effect so that if a particular action or condition is not permitted by any of such covenants, the fact that it would be permitted by an exception to, or would otherwise be within the limitations of, another covenant shall not avoid the occurrence of a Default or an Event of Default if such action is taken or condition exists. This Agreement shall be binding upon and inure to the benefit of Secured Party and Grantors and their respective successors and assigns. No Grantor shall, without the prior written consent of Secured Party, assign any right, duty or obligation hereunder. This Agreement and the other Credit Documents embody the entire agreement and understanding between Grantors and Secured Party and supersede all prior agreements and understandings between such parties relating to the subject matter hereof and thereof. Accordingly, the Credit Documents may not be contradicted by evidence of prior, contemporaneous or subsequent oral agreements of the parties. There are no unwritten oral agreements between the parties. This Agreement may be executed in one or more counterparts and by different parties hereto in separate counterparts, each of which when so executed and delivered shall be deemed an original, but all such counterparts together shall constitute but one and the same instrument; signature pages may be detached from multiple separate counterparts and attached to a single counterpart so that all signature pages are physically attached to the same document.

THIS AGREEMENT SHALL BE GOVERNED BY THE LAW OF THE STATE OF NEW YORK WITHOUT REGARD TO THE CONFLICT OF LAWS PRINCIPLES THEREOF (OTHER THAN SECTION 5-1401 OF THE GENERAL OBLIGATIONS LAW) EXCEPT TO THE EXTENT THAT MANDATORY CHOICE OF LAW RULES REQUIRE APPLICATION OF ANOTHER LAW TO ISSUES OF PERFECTION OR PRIORITY OF THE SECURITY INTEREST.

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IN WITNESS WHEREOF, each Grantor and Secured Party have caused this Agreement to be duly executed and delivered by their respective officers thereunto duly authorized as of the date first written above.

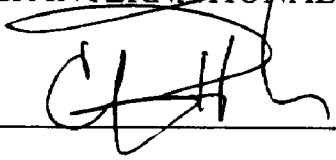
STRYKER CORPORATION

By 
Name: _____
Title:

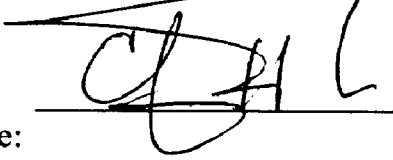
STRYKER FAR EAST INC.

By 
Name: _____
Title:

STRYKER INTERNATIONAL INC.

By 
Name: _____
Title:

HOWMEDICA CORP.,
formerly, Stryker Acquisition Corp.

By 
Name: _____
Title:

STRYKER FOREIGN HOLDCO INC.

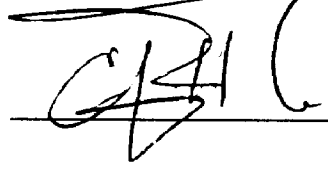
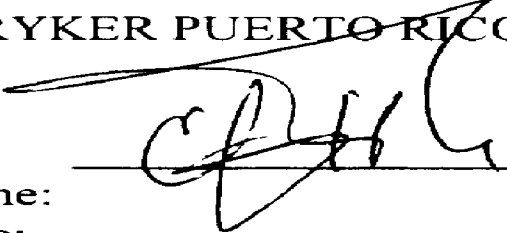
By 
Name: _____
Title:

EXHIBIT I-29

STRYKER IMPLANTS INC.

By 
Name: _____
Title:

STRYKER PUERTO RICO INC.

By 
Name: _____
Title:

STRYKER SALES CORPORATION

By 
Name: _____
Title:

STRYKER TECHNOLOGIES CORPORATION

By 
Name: _____
Title:

SMD CORPORATION

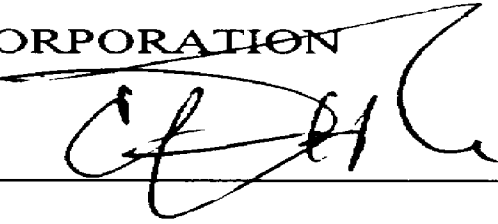
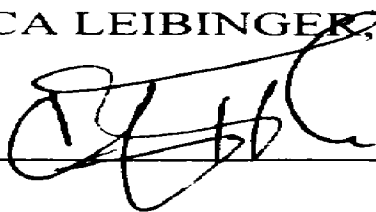
By 
Name: _____
Title:

EXHIBIT I-30

HOWMEDICA LEIBINGER, INC.

By
Name:
Title:



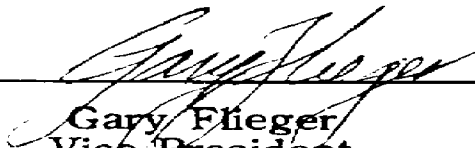
A handwritten signature in black ink is written over a horizontal line. The signature is stylized and appears to be a first name followed by a last name, though the specific characters are difficult to decipher due to the cursive style.

EXHIBIT I-31

TRADEMARK
REEL: 1867 FRAME: 0043

**BANK OF AMERICA
NATIONAL TRUST AND SAVINGS ASSOCIATION,
as Secured Party**

**By
Name:
Title:**



**Gary Fieger
Vice President**

EXHIBIT I-32

**TRADEMARK
REEL: 1867 FRAME: 0044**

SCHEDULE A**HOWMEDICA INC.****UNITED STATES PATENTS**

<u>Patent No.</u>	<u>Title</u>
D282 238	Rasp Handle
D282 277	Guide for Femoral Neck Osteotomy
D283 731	Femoral Hip Prosthesis
D284 100	Femoral Rasp
D284 889	Combined Acetabulum Sizer and Drill Guide
D286 181	Acetabular Cup Assembly Prosthesis
4 278 089	Wound Drainage Device
4 278 091	Soft Tissue Retainer for Use with Bone Implants, Especially Bone Staples
4 338 926	Bone Fracture Prosthesis with Controlled Stiffness
4 352 212	Joint Prosthesis
4 383 527	Device for Guiding the Insertion of Surgical Wires into Bone Tissue
4 450 835	Method and System for Inserting a Surgical Wire
4 457 301	Intramedullary Fixation Device
4 459 985	Tibial Prosthesis Extractor and Method for Extracting a Tibial Implant
4 462 394	Intramedullary Canal Seal for Cement Pressurization
4 503 847	Prosthetic Nail

DOC / 125999 / SCHEDULE 5.13 ASSIGNMENT - HOWMEDICA I

4 528 980 Acetabulum Sizer and Drill Guide

4 550 448 Bone Prosthesis with Porous Coating

4 552 136 Femoral Rasp

4 589 883 Femoral Hip Prosthesis

4 593 685 Bone Cement Applicator

4 610 688 Triaxially-Braided Fabric Prosthesis

4 613 516 Bonding of Bioactive Glass Coatings

4 620 533 External Bone Fixation Apparatus

4 621 630 Guide for Femoral Neck Osteotomy

4 631 082 Cobalt-Chromium Superalloy

4 646 729 Prosthetic Knee Implantation

4 650 491 Locking Mechanism for Prosthesis Components

4 653 488 Prosthetic Knee Implantation

4 666 450 Acetabular Cup Assembly Prosthesis

4 668 290 Dispersion Strengthened Cobalt-Chromium-Molybdenum Alloy
Produced by Gas Atomization

4 683 873 Method and Device for Treating Living Tissues and/or Cells by
Means of Pulsating Electromagnetic Fields

4 708 132 Fixation Device for a Ligament or Tendon Prosthesis

4 714 468 Prosthesis Formed from Dispersion Strengthened Cobalt-
Chromium-Molybdenum Alloy Produced by Gas Atomization

4 718 911 Acetabular Cup Assembly

4 776 330 Modular Femoral Fixation System

4 778 469 Method of Forming Tissue Ingrowth Surface on Surgical
Implants

4 784 663 Acetabular Cup Assembly

4 787 383 Prosthetic Knee Implantation

4 793 325 Method and Device for Treating Living Tissues and/or Cells by Means of Pulsating Electromagnetic Fields

4 822 362 Process and Apparatus for Tibial Plateau Component

4 825 857 Prosthetic Knee Implantation

4 834 755 Triaxially-Braided Fabric Prosthesis

4 834 756 Bone Prosthesis with Porous Coating

4 857 269 High Strength, Low Modulus, Ductile, Biocompatible Titanium Alloy

4 871 369 Long Stem Hip Implant

4 900 546 Bone Cement for Sustained Release of Substances

4 944 756 Prosthetic Knee Joint with Improved Patellar Component Tracking

4 944 760 Method and Instrumentation for the Replacement of a Knee Prosthesis

4 952 236 Method of Making High Strength, Low Modulus, Ductile, Biocompatible Titanium Alloy

4 979 956 Device and Method for Tendon and Ligament Repair

4 994 277 Use of Xanthan Gum for Preventing Adhesions

4 996 084 Colloidal Silica Water Based Slurry System for Investment Casting Shell Backup Coats

5 002 547 Apparatus for Knee Prosthesis

5 002 580 Prosthetic Device and Method of Implantation

5 009 666 Plug and Method of Use

5 035 700 Prosthetic Knee Joint with Improved Patellar Component Tracking

5 037 423 Method and Instrumentation for the Replacement of a Knee Prosthesis

5 041 114 Modular Femoral Fixation System

5 047 055 Hydrogel Intervertebral Disc Nucleus

5 061 283 Method for Tendon and Ligament Repair

5 062 854 Prosthetic Device and Method of Implantation

5 066 296 Apparatus for Treating a Fracture

5 071 040 Surgical Adhesives Mixing and Dispensing Element

5 093 319 Use of Derivatives of Chitin Soluble in Aqueous Solutions for Preventing Adhesions

5 098 437 Acetabular Cup Positioning Insert

5 100 407 Modular Total Hip Replacement System

5 106 614 Bone Cement for Sustained Release of Substances

5 108 432 Porous Fixation Surface

5 108 435 Cast Bone Ingrowth Surface

5 116 338 Apparatus for Knee Prosthesis

5 122 134 Surgical Reamer

5 122 146 Apparatus for Reducing a Fracture

5 147 366 Pressurization of Bone Cement Surrounding an Endoprosthesis

5 147 408 Prosthetic Device and Method of Implantation

5 171 243 Acetabular Cup Positioning Insert

5 181 930 Composite Orthopedic Implant

5 190 544 Modular Femoral Fixation System
5 190 545 Cerclage Wire Positioning Insert
5 192 324 Bone Prosthesis with Porous Coating
5 192 326 Hydrogel Bead Intervertebral Disc Nucleus
5 201 735 Apparatus and Method for Treating a Fracture
5 203 595 Dove-Tail-Type Coupling Device and Method
5 213 112 Tension Meter for Orthopedic Surgery
5 217 462 Screw and Driver
5 242 447 Pin with Tapered Root Diameter
5 250 050 Apparatus for Knee Prosthesis
5 258 420 Bone Cement for Sustained Release of Substances
5 263 985 Bone Growth Stimulator
5 266 326 In Situ Modification of Alginate
5 276 070 Bone Cement
5 326 354 Method for Forming Attachment Surfaces on Implants
5 326 368 Modular Acetabular Cup
5 352 227 Intercalary Device
5 358 534 Femoral Component for a Hip Prosthesis
5 364 398 Modular Femoral Fixation System
5 414 049 Non-Oxidizing Polymeric Medical Implant
5 417 695 Instrumentation for Preparing a Distal Femur
5 417 696 Acetabular Cup Positioning Insert with Release Mechanism
5 441 537 Bone Prosthesis with Porous Coating

- 5 443 182 **Methods and Apparatus for Preparing and Delivering Bone Cement**
- 5 443 471 **Quick Release Handle Assembly**
- 5 443 513 **Composite Orthopedic Implant**
- 5 449 745 **Non-Oxidizing Polymeric Medical Implant**
- 5 498 265 **Screw and Driver**
- 5 507 832 **Prosthesis with Integral Proximal Spacer**
- 5 514 138 **Connector Having a Stop Member**
- 5 514 141 **Small Joint Reamer**
- 5 522 898 **Dehydration of Hydrogels**
- 5 524 695 **Cast Bone Ingrowth Surface**
- 5 534 028 **Hydrogel Intervertebral Disc Nucleus with Diminished Lateral Bulging**
- 5 540 695 **Osteotomy Cutting Guide**
- 5 542 947 **Slotted Patella Resection Guide and Stylus**
- 5 543 471 **Non-Oxidizing Polymeric Medical Implant**
- 5 545 460 **Methods and Apparatus for Preparing and Delivering Bone Cement**
- 5 549 705 **Prosthesis with Integral Proximal Spacer**
- 5 549 706 **Modular Hip Prosthesis**
- 5 562 673 **Awls for Sizing Bone Canals**
- 5 572 899 **Bending Method Using Cooperating Jaws Having Angled Planar Faces**
- 5 588 745 **Methods and Apparatus for Mixing Bone Cement Components Using an Evacuated Mixing Chamber**

5 593 452 Coated Femoral Stem Prosthesis

5 601 567 Method of Sizing a Femoral Canal Using a Modular Femoral Trial Hip Replacement System

5 607 431 Prosthetic Hip Implantation Method and Apparatus

5 624 444 Femoral Resection Instrumentation Including Three-Dimensional Jig and Method of Use

5 628 752 Ratcheting Compression Device

5 650 485 Non-Oxidizing Polymeric Medical Implant

5 658 292 Instrumentation for Preparing a Distal Femur

5 658 351 Intramedullary Centralizer

5 665 091 Surgical Broach

5 705 780 Dehydration of Hydrogels

5 716 362 Patella Milling Instrument

5 728 748 Non-Oxidizing Polymeric Medical Implant

5 766 178 Bone Plug

5 772 662 Femoral Fixation System

5 776 204 Asymmetric Hip Stem

5 782 925 Knee Implant Rotational Alignment Apparatus

5 782 930 Polyetheretherketone (PEEK) Retaining Ring for an Acetabular Cup Assembly

5 792 142 Cutting Tip

5 800 549 Method and Apparatus for Injecting an Elastic Spinal Implant

5 800 559 Coated Femoral Stem Prosthesis

5 814 070 Suture Anchor and Driver

5 824 103 Tibial Prosthesis

5 827 287 High Strength Internal Bone Fixation Devices and Process for Forming Same

SCHEDULE AHOWMEDICA INC.UNITED STATES PATENT APPLICATIONS

<u>Application No.</u>	<u>Title</u>	<u>Filing Date</u>
08/797917	Tibial Plateau Resection Guide	02/10/97
09/065705	Coated Acetabular Cup Prosthesis	04/24/98
09/114592	Disposable Monomer Dispenser and Vial Breaker	07/13/98
08/994507	Guide-Pin Placement Device And Method Of Use	12/19/97
08/929034	Surgical Apparatus for Use in Total Knee Arthroplasty and Surgical Methods for Using Said Apparatus	09/13/97
08/926358	Anatomic Glenoid Shoulder Prosthesis and Method for Implanting	09/09/97
09/081963	Method of Delivering Antibiotic Powders into the Femoral Canal for the Reduction of Orthopaedic Sepsis During Total Hip	05/20/98
08/966221	Orthopaedic Wires and Cables and Methods for Making Same	11/07/97
08/782692	Spine Implant	01/16/97
08/944037	Air-Impermeable Packaging for Medical Implants	09/29/97
09/038314	Novel Screw and Method of Attachment to a Substrate	03/11/98
08/931659	Apparatus For Storing Mixing And Dispensing Two Component Bone Cement	09/16/97
60/097601	Spring Loaded Neck Trial for Femoral Prosthesis	08/24/98

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60/097598	Acetabular Prosthesis with Modular Extensions	08/24/98
60/097603	Hip Prosthesis with Proximal Anti-Rotation Pin	08/24/98
60/097602	Force Measuring Hip Prosthesis Trial	08/24/98
60/097599	Hip Prosthesis with Proximal Slot	08/24/98
60/097600	Hip Prosthesis with Rotatable Neck	08/24/98
08/979692	Kinematic Restraint Device	11/26/97
08/907147	Polyetheretherketone (PEEK) Retaining Ring for an Acetabular Cup Assembly	08/06/97
08/854430	High Strength Internal Bone Fixation Devices and Process for Forming Same	05/12/97
09/108749	Asymmetric Femoral Hip Design	07/01/98
09/108637	Asymmetric Femoral Hip Design	07/01/98
09/108698	Asymmetric Femoral Hip Design	07/01/98
08/557159	Flexible Medullary Reaming System	05/10/94
08/146277	Acetabular Cup Positioning Tool and Method of Positioning an Acetabular Cup	10/29/93
08/642003	Awls	05/02/96
08/885235	Ratcheting Compression Device	06/30/97
09/012345	Non-Oxidizing Polymeric Medical Implant	01/23/98
08/402444	Prosthesis with Integral Proximal Spacer	03/13/95
08/670140	Hydrogel Intervertebral Disc Nucleus	06/25/96
08/546208	Bone Adjusting Device	10/20/95
08/745230	Composite Hip Stem Implant Device	11/08/96

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SCHEDULE A**HOWMEDICA INC.****FOREIGN PATENTS**

<u>Country</u>	<u>Patent No.</u>	<u>Title</u>
France	7904365	Joint Prosthesis with Kinematic Stabilizer
Germany	P2906458.2	
Great Britain	2014856	
Ireland	47860	
Japan	1394079	
Switzerland	630520	
Canada	1134104	
France	8004820	
Great Britain	2045085	
Ireland	49185	
Japan	1209050	
Canada	1227002	Bone Prosthesis with Porous Coating
Canada	1195201	Prosthetic Knee Implantation
	1233386	
	483953	
	1229279	
	1229771	
Canada	1191759	Intramedullary Canal Seal for Bone Cement
European CH, DE, FR, GB	EP0099642	Intramedullary Fixation Device
Ireland	54193	
Japan	1677898	
European AT, CH, DE, FR GB, IT, NL	EP0128036	
Australia	546212	
Canada	1213402	
Japan	1550888	

European AT, BE, CH, DE FR, GB, IT, LU NL, SE	EP0122744	Triaxially-Braided Fabric Prosthesis
Australia	554461	
Canada	1220601	
Denmark	169500	
Ireland	55194	
Israel	71426	
Japan	1375239	
Korea	22880	
Mexico	159168	
South Africa	84/2473	
Spain	286681	
Taiwan	NI-21252	
European AT, CH, DE, FR GB, IT, SE	EP0138589	Bone Cement Applicator
Canada	1218574	
Japan	1538379	
Spain	536833	
Canada	1245804 1298436	Method and Instruments to Replace a Knee Prosthesis
European AT, CH, DE, FR GB, IT, SE	EP0154513	Bioglass Compositions for Bonding to Vitallium Alloys
Canada	1229354	
European AT, CH, DE, FR GB	EP0195513	Cobalt-Chromium Super Alloy
Canada	1267796	
Japan	1793012 1923568	
European AT, BE, CH, DE ES, FR, GB, GR IT, LU, NL, SE	EP0359446	High Strength Low Modulus Titanium Alloy for Surgical Implants
Canada	1331527	
Ireland	64539	
Japan	2060008	
South Africa	89/6877	

European	EP0216563	External Bone Fixation Device
AT, BE, CH, DE		
FR, GB, IT, LU		
NL, SE		
Argentina	235945	
Australia	569664	
Brazil	PI8604413	
Canada	1259234	
Denmark	169511	
Finland	93606	
Greece	862340	
Ireland	59031	
Israel	80019	
Japan	1871126	
Korea	30431	
Mexico	164699	
New Zealand	217569	
Norway	175962	
Portugal	83377	
South Africa	86/6992	
Spain	8601855	
European	EP0213781	Vitallium Cobalt Chromium Molybdenum Alloy
AT, CH, DE, FR		
GB, IT, SE		
Canada	1288619	
Ireland	58550	
Japan	1729501	
	2037672	
South Africa	86/6045	
Spain	8601057	
European	EP0232049	Fixation Device for Ligament or Tendon Prosthesis
AT, BE, CH, DE		
ES, FR, GB, GR		
IT, LU, NL, SE		
Australia	583972	
Canada	1277453	
Denmark	169735	
Finland	89670	
Ireland	59263	
Japan	1772279	
Norway	166686	
South Africa	87/0507	

European	EP0251583	Alta Modular Implant Fixation System
AT, BE, DE, ES,	EP0468600	
FR, GB, GR, IT	EP0464961	
LU, NL, SE	EP0466280	
	EP0471418	
Australia	624434	
	655665	
	654873	
	655664	
	654872	
Canada	1321677	
	1328707	
	1328954	
	1334072	
	1328955	
	1328956	
Denmark	170628	
	170572	
	170571	
	171126	
Ireland	63434	
	67524	
	77148	
	67145	
	66760	
Japan	2766641	
Norway	165176	
	167624	
	167547	
	168015	
Portugal	85143	
South Africa	87/4489	
European	EP0234811	Acetabular Cup for Hip Prosthesis
AT, BE, CH, DE		
ES, FR, GB, IT		
NL, SE		
Australia	593062	
Canada	1277451	
Ireland	59454	
Japan	1771545	
South Africa	87/1173	
European	EP0269256	Method of Forming Tissue Ingrowth Surface on Surgical Implants
CH, DE		

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European AT, BE, CH, DE ES, FR, GB, GR IT, LU, NL, SE Australia	EP0301759 596905 624017	Bone Cement for Sustained Release of Substances
Canada Ireland Japan South Africa	1338980 61038 1909861 88/5525	
European AT, BE, CH, DE ES, FR, GB, GR IT, LU, NL, SE Australia Canada Japan South Africa	EP0314412 601085 1324550 1809211 88/8059	Device and Method for Tendon and Ligament Repair
European AT, BE, CH, DE ES, FR, GB, GR IT, LU, NL, SE Australia Canada Ireland Japan South Africa	EP0330346 599279 1300029 67795 1809044 89/1286	Bone Cement
European AT, BE, CH, DE ES, FR, GB, GR IT, LU, NL, SE Australia Canada Ireland Japan South Africa	EP0327297 EP0449391 605016 627936 1323730 1333143 61944 64208 1855845 89/0780	Prosthetic Knee Joint with Patellar Component Tracking

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European AT, CH, DE, FR GB, IT Canada Japan	EP0327249 EP0474320 1324548 1839308	Apparatus for Knee Prosthesis
European AT, BE, CH, DE FR, GB, IT, LU NL, SE Spain	EP0393151 2017118	Multi Purpose Orthopedic Ratcheting Forceps
Canada Japan Spain	1321520 2753357 8900382	Apparatus for Reducing a Fracture
European AT, BE, CH, DK DE, ES, FR, GB GR, IT, LU, NL SE Australia Canada Ireland Israel Japan South Africa	EP0381462 626377 2008999 65716 93250 2018603 90/0759	Apparatus for Treating a Fracture
European AT, BE, CH, ES FR, GB, GR, IT LU, NL, SE Australia Canada Ireland South Africa	EP0363151 613243 1328953 70457 89/7617	Prosthetic Device and Method of Implantation
European AT, BE, CH, DE DK, ES, FR, GB GR, IT, LU, NL SE Australia Japan	EP0444842 627110 2045731	Cement Pressurizer

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Australia	619134	Cast Bone Ingrowth Surface
Germany	G9011363.2	
Israel	95730	
Japan	1883115	
Korea	63858	
South Africa	90/7724	
European	EP0439250	Bone Cement with Improved Mechanical Properties
AT, BE, CH, DE		
DK, ES, FR, GB		
GR, IT, LU, NL		
SE		
Australia	627394	
Canada	2034795	
Ireland	65208	
Japan	1966548	
Korea	81177	
European	EP0440371	Surgical Reamer
AT, BE, CH, DE		
DK, ES, FR, GB		
GR, IT, LU, NL		
SE		
Australia	625710	
Canada	2035379	
Germany	G9101151.5	
Ireland	75899	
Japan	2116993	
Korea	64823	
European	EP0445951	Surgical Adhesives Mixing and Dispensing Implement
AT, BE, CH, DE		
DK, ES, FR, GB		
GR, IT, LU, NL		
SE		
Australia	627400	
Japan	1983844	
European	EP0550458	Bone Growth Stimulator
AT, BE, CH, DE		
DK, ES, FR, GB		
GR, IT, LU, NL		
SE		
Australia	650673	
Ireland	69125	
Israel	99131	
Japan	2075123	
South Africa	91/6378	

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Germany	P69105739.7	Modular Trial Hip Replacement System	
	G9190125.1		
Japan	2105526		
European	EP0563332	Hydrogel Intervertebral Disc Nucleus	
AT, CH, DE, DK			
ES, FR, GB, IT			
NL, SE			
Australia	654173		
Canada	2094135		
Germany	G9190192.8		
Japan	2530089		
European	EP0574517		Screw and Driver for Bone Implant
AT, CH, DE, ES	EP0611018		
FR, GB, IT, SE			
Australia	648723		
Canada	2104680		
Germany	G9290023.2		
Japan	2037759		
Korea	145340		
European	EP0661957	Composite Orthopedic Implant Stem Construction	
CH, DE, ES			
FR, GB, IT			
NL, SE			
Canada	2106380		
Germany	G9290043.7		
Japan	2105542		
South Africa	92/2584		
European	EP0515056	Method for Forming Attachment Surfaces on Implants	
AT, BE, CH, DE			
DK, ES, FR, GB			
GR, IT, LU, NL			
PT, SE			
Australia	640870		
Canada	2068175		
Germany	G9206161.3		
Ireland	68673		
Japan	2559182		
Korea	88545		

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European AT, BE, CH, DE DK, ES, FR, GB GR, IE, IT, LU NL, SE Japan	EP0600938 2030440	Cerclage Wire Positioning Insert
European AT, BE, CH, DE DK, ES, FR, GB GR, IE, IT, LU NL, PT, SE Australia Germany Japan	EP0670698 676671 G9390026.0 2610391	Pin with Tapered Root Diameter
European AT, BE, CH, DK ES, FR, GB, IE IT, NL, PT, SE Canada Germany South Africa	EP0633754 2131301 G9390076.7 93/2013	Composite Orthopedic Implant for Use in a Load-Bearing Joint-Replacement Prosthetic Device
European AT, BE, CH, DE DK, ES, FR, GB GR, IE, IT, LU NL, PT, SE Australia	EP0648122 671114	In Situ Modification of Alginate
European AT, BE, CH, DE DK, ES, FR, GB GR, IE, IT, LU NL, PT, SE Australia Japan	EP0647432 661177 2735468	Instrumentation for Preparing a Distal Femur
European AT, CH, DE, FR GB, IT Germany Australia Germany Japan	EP0719117 G9490462.6 687390 G9490454.5 2650787	Dehydration of Hydrogels Flexible Medullary Reaming System

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European DE, FR, IT Japan	EP0683649 2807347	Modular Hip Prosthesis
European CH, DE, ES, FR GB, IT, PT Australia Germany	EP0702594 681386 G9490445.6	Methods and Apparatus for Preparing and Delivering Bone Cement
Australia Germany	682390 G9490464.2	Acetabular Cup Positioning Tool and Method of Positioning an Acetabular Cup
Germany Japan South Africa	G9490219.4 2726757 94/5733	Ratcheting Compression Device
Australia Germany	686221 G9490333.6	Cast Bone Ingrowth Surface
European DE, CH, ES FR, GB, IE IT, NL Australia Germany Japan	EP0701453 684500 G9490446.4 2836965	Non-Oxidizing Polymeric Medical Implant
European CH, DE, ES FR, GB, IE IT	EP0724458	Novel Cobalt Chrome Alloys and Preparation
Australia Canada Germany	686163 77169 G9490339.5 9403368.4	Prosthesis with Integral Proximal Spacer
Great Britain South Africa Switzerland Australia Japan	2038498 94/2840 121394 686855 2735517	Hydrogel Intervertebral Disc Nucleus

Australia	677751	Coated Femoral Stem Prosthesis
Germany	29580466.1	
New Zealand	277879	
South Africa	95/0738	

Germany	G29600879.6	Spine Implant
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SCHEDULE AHOWMEDICA INC.FOREIGN PATENT APPLICATIONS

<u>Country</u>	<u>Application No.</u>	<u>Title</u>	<u>Filing Date</u>
Australia	28574/97	Alta Modular Implant Fixation System	07/10/97
Japan	152294/97 250165/98		06/10/97 09/03/98
Norway	900485	Apparatus for Treating a Fracture	02/01/90
Finland	904758	Cast Bone Ingrowth Surface	09/27/90
Canada	2087341	Bone Growth Stimulator	06/19/91
Korea	93-700404		06/19/91
Portugal	98637		08/12/91
European AT, BE, CH DE, ES, FR GB, IT, NL SE	95200250.9	Hydrogel Intervertebral Disc Nucleus	02/02/95
Canada	2206764	Screw and Driver for Bone Implant	06/24/97
Ireland	921137	Composite Orthopedic Implant Stem Construction	04/09/92
Canada	2128001	Pin with Tapered Root Diameter	01/19/93
Japan	517418/93	Composite Orthopedic Implant for Use in a Load-Bearing Joint- Replacement Prosthetic Device	01/27/93
Canada	2170037	Dehydration of Hydrogels	07/18/94
Japan	509075/95		07/18/94

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European	94913200.5	Flexible Medullary Reaming System	05/10/94
DE, DK, FR			
GB, IT, NL			
European	98107010.5		04/17/98
CH, DE, ES			
FR, GB, IT			
NL			
European	94906666.6	Hydrogel Invertebral Disc Nucleus with Diminished Lateral Bulging	01/28/94
AT, BE, CH			
DE, DK, ES			
FR, GB, IT			
NE, PT, SE			
Australia	60302/94		01/28/94
	71915/98		06/16/98
Canada	2158764		01/28/94
Japan	523113/94		01/28/94
Canada	2163126	Methods and Apparatus for Preparing and Delivering Bone Cement	04/06/94
Japan	7-501530		04/06/94
Canada	2211074	Prosthetic Hip Implantation Method	01/25/96
European	94925596.2	Acetabular Cup Positioning Tool and Method of Positioning an Acetabular Cup	09/19/94
AT, BE, CH			
DE, DK, ES			
FR, GB, IE			
IT, LU, NL			
PT, SE			
Canada	2172270		09/19/94
Japan	5066623/95		09/19/94
European	94917774.5	Ratcheting Compression Device	06/24/94
BE, CH, DE			
DK, ES, FR			
GB, GR, IE			
IT, LU, PT			
SE			
Australia	69353/94		06/24/94
Israel	110489		07/28/94
Korea	96-700479		06/24/94

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European	94925601.0	Cast Bone Ingrowth Surface	09/21/94
AT, CH, DK			
FR, GB, IE			
IT			
Canada	2172250		09/21/94
Japan	504784/95		09/21/94
Canada	2162927	Non-Oxidizing Polymeric Medical Implant	04/26/94
Mexico	944099		05/31/94
European	95904685.5	Measurement of Nucleus Materials Removed During Discectomy	01/19/95
AT, CH, DE			
FR, GB, IT			
Canada	2185919		01/19/95
Japan	7-525535		01/19/95
European	94915894.3	Prosthesis with Integral Proximal Spacer	04/26/94
AT, BE, CH			
DK, ES, FR			
GB, IE, IT			
LU, NL, PT			
SE			
France	942390		04/22/94
Israel	109412		04/25/94
Italy	T094000091		04/22/94
Japan	11768/94		04/22/94
	512581/94		04/26/94
Korea	96-702126		04/26/94
European	95306158.7	Hydrogel Intervertebral Disc Nucleus	09/04/95
AT, BE, CH			
DE, DK, ES			
FR, GB, IE			
IT, LU, NL			
PT, SE			
Canada	2157634		09/06/95
European	95306158.7	Hydrogel Intervertebral Disc Nucleus	09/04/95
AT, BE, CH			
DE, DK, ES			
FR, GB, IE			
IT, LU, NL			
PT, SE			
Canada	2157634		09/06/95

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European	95904683.0	Coated Femoral Stem Prosthesis	01/18/95
AT, BE, CH			
DE, DK, ES			
FR, GB, GR			
IE, IT, LU			
NL, PT, SE			
Canada	2182285		01/18/95
Israel	112456		01/26/95
Japan	520481/95		01/18/95
Korea	96-704133		01/18/95
Mexico	963104		01/18/95
Canada	2208744	Acetabular Plug	12/11/95
Japan	523367/96		12/11/95
Mexico	975822		12/11/95
Canada	2155490	Bending Instrument	08/04/95
European	98302870.5	Method and Apparatus for Injecting	04/14/98
CH, DE, ES		an Elastic Spinal Implant	
FR, GB, IE			
IT			
Japan	111838/98		04/22/98
European	98302870.5	Method and Apparatus for Injecting	04/14/98
CH, DE, ES		an Elastic Spinal Implant	
FR, GB, IE			
IT			
Japan	111838/98		04/22/98
European	98307855.1	Kinematic Restraint Device and	09/28/98
CH, DE, ES		Method for Determining the	
FR, GB, IE		Range of Motion of a Total	
IT		Knee Replacement System	
Japan			
European	97200261.2	Polyetheretherketone (PEEK)	01/31/97
AT, BE, CH		Retaining Ring for an Acetabular	
DE, DK, ES		Cup Assembly	
FI, FR, GB			
IE, IT, LU			
NL, PT, SE			
Australia	12666/97		02/12/97
Japan	28989/97		02/13/97

European	95917448.3	Modular Femoral Trial Hip Replacement System	05/19/95
AT, BE, CH			
DE, DK, ES			
FR, GB, IE			
IT, LU, NL			
PT, SE			
Canada	2193689		05/19/95
Japan	527867/95		05/19/95
Mexico	970228		05/19/95
European	97200311.5	Cutting Tip	02/04/97
AT, BE, CH			
DE, DK, ES			
FI, FR, GB			
GR, IE, IT			
LU, NL, PT			
SE			
Australia	14713/97		02/14/97
Canada	2197606		02/14/97
Israel	120189		02/10/97
Japan	47017/97		02/14/97
Korea	97-4358		02/14/97
Mexico	971193		02/14/97
South Africa	97/1262		02/14/97
European	96936714.3	Bone Adjusting Device	10/18/96
AT, BE, CH			
DE, DK, ES			
FI, FR, GB			
GR, IE, IT			
LU, NL, PT			
SE			
Australia	74567/96		10/18/96
Canada	2235363		10/18/96
Japan	PCT/US96/16755		10/18/96
Mexico	983097		10/18/96
European	96907640.5	Slotted Patella Resection Guide and Stylus	04/17/96
AT, BE, DE			
DK, ES, FR			
GB, GR, IE			
IT, LU, NL			
PT, SE			
Australia	51187/96		04/17/96
Japan	533907/96		04/17/96

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European	97200309.9	Suture Anchor and Driver	02/04/97
AT, BE, CH			
DE, DK, ES			
FI, FR, GB			
GR, IE, IT			
LU, NL, PT			
SE			
Australia	14788/97		02/19/97
Canada	2197830		02/18/97
Israel	120211		02/13/97
Japan	34732/97		02/19/97
Korea	97-4942		02/19/97
Mexico	9711277		02/19/97
South Africa	97/1399		02/19/97
European	97303965.4	High Strength Internal Bone Fixation Devices and Process for Forming Same	06/09/97
AT, BE, CH			
DE, DK, ES			
FI, FR, GB			
GR, IE, IT			
LU, NL, PT			
SE			
Australia	24752/97		06/06/97
Israel	121001		06/05/97
Japan	152286/97		06/10/97
European	96923022.6	Intramedullary Centralizer	07/29/96
AT, BE, CH			
DE, DK, ES			
FI, FR, GB			
GR, IE, IT			
LU, NL, PT			
SE			
Japan	507407/97		07/29/96
European	97108262.3	Asymmetric Femoral Hip Design	05/26/97
AT, BE, CH			
DE, DK, ES			
FR, GB, GR			
IE, IT, LU			
MO, NL, PT			
SE			
Australia	23606/97		05/23/97
Canada	2205727		05/20/97
Japan	135585/97		05/26/97

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European	97200155.6	Patella Milling Instrument	01/20/97
AT, BE, CH			
DE, DK, ES			
FI, FR, GB			
GR, IE, IT			
LU, NL, PT			
SE			
Australia	14786/97		02/19/97
Japan	34729/97		02/19/97
European	96115600.7	Spine Implant	09/28/96
CH, DE, ES			
FR, GB, IT			
NL, SE			
Australia	12211/97		01/17/97
Canada	2914117		12/30/96
Japan	7407/97		01/20/97
European	97400592.8	Air-Impermeable Packaging for Medical Implants	03/17/97
AT, BE, DE			
DK, ES, FI			
FR, GB, GR			
IE, IT, LU			
NL, PT, SE			
Australia	18976/97		04/18/97
Canada	2201656		04/03/97
Japan	101583/97		04/18/97
European	98303098.2	Tibial Prosthesis	04/22/98
CH, DE, ES			
FR, GB, NL			
Japan	125954/98		05/08/98
European	98306816.4	Surgical Apparatus for Use in Total Knee Anthroplasty and Surgical Methods for Using Said Apparatus	08/26/98
CH, DE, ES			
FR, GB, IE			
IT			
Japan			
European	98308713.1	Knee Implant Rotational Alignment Apparatus	10/23/98
CH, DE, ES			
FR, GB, IE			
IT			
Japan			

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European	98300977.0	Tibial Plateau Resection Guide	02/09/98
AT, BE, CH			
DE, DK, ES			
FI, FR, GB			
GR, IE, IT			
LU, NL, PT			
SE			
Japan	28004/98		02/10/98
European	98308192.8	Orthopaedic Wires and Cables and	10/08/98
CH, DE, ES		Methods for Making Same	
IE, IT, FR			
GB			
Japan			
European	98306539.2	Anatomic Glenoid Shoulder	08/17/98
CH, DE, ES		Prosthesis Together with Methods	
FR, GB, IE		and Tools for Implanting Same	
IT			
Japan			
European		Guide-Pin Placement Device and	
CH, DE, ES		Method of Use	
FR, GB, IE			
IT			
Japan			
PCT	PCT/US98/15708	Apparatus for Storing, Mixing	07/24/98
AU, CA, JP		and Dispensing Two Component	
EP(AT, BE		Bone Cement	
CH, DE, DK			
ES, FI, FR			
GB, GR, IE			
IT, LU, MC,			
NL, PT, SE)			

SCHEDULE BHOWMEDICA INC.UNITED STATES PATENTS

<u>Patent No.</u>	<u>Title</u>
4 338 926	Bone Fracture Prosthesis with Controlled Stiffness
4 613 516	Bonding of Bioactive Glass Coatings
4 881 536	Method and Apparatus for Prosthesis Placement
5 203 595	Dove-Tail-Type Coupling Device and Method
5 358 534	Femoral Component for a Hip Prosthesis
5 766 178	Bone Plug
5 810 830	Machining Assembly and Methods for Preparing the Medullary Cavity of a Femur in Hip Arthroplasty

SCHEDULE B

HOWMEDICA INC.

UNITED STATES PATENT APPLICATIONS

<u>Application No.</u>	<u>Title</u>	<u>Filing Date</u>
8/749281	Surgical Broach and Methods for Preparing the Medullary Cavity of a Femur in Hip Arthroplasty	11/13/96

DOC / 125615 / SCHEDULE S.13 ASSIGNMENT - HOWMEDICA IV

SCHEDULE B**HOWMEDICA INC.****FOREIGN PATENTS**

<u>Country</u>	<u>Patent No.</u>	<u>Title</u>
European AT, CH, DE, FR GB, IT, SE	EP0153863	Bonding of Bioactive Glass Coating
Canada	1250494	
Japan	1498507	
European AT, BE, CH, DE DK, ES, FR, GB GR, IT, LU, NL SE	EP0444776	Coupling Device
Australia	635106	
Canada	2035375	
Germany	G9101150.7	
Ireland	65061	
Japan	2028666	
Korea	79710	
Australia Germany Israel South Africa	675114 G9407171.3 109477 94/2839	Femoral Component for a Hip Prosthesis

SCHEDULE BHOWMEDICA INC.FOREIGN PATENT APPLICATIONS

Country	Application No.	Title	Filing Date
European AT, BE, CH DE, DK, ES FI, FR, GB GR, IE, IT LU, NL, PT SE	97308809.9	Machining Assembly and Methods for Preparing the Medullary Cavity of a Femur in Hip Arthroplasty	11/03/97
Australia	45286/97		11/12/97
Canada	2219163		10/24/97
Japan	311881/97		11/13/97
European AT, BE, CH DE, DK, ES FI, FR, GB GR, IE, IT LU, NL, PT SE	97309156.4	Surgical Broach and Methods for Preparing the Medullary Cavity of a Femur in Hip Arthroplasty	11/13/97
European AT, BE, CH DE, DK, ES FR, GB, IE IT, LU, NL PT, SE	94106778.7	Femoral Component for a Hip Prosthesis	04/29/94
Japan	6-93523		05/02/94

SCHEDULE C**HOWMEDICA INC.****LICENSED IN U. S. PATENTS**

<u>Patent No.</u>	<u>Title</u>
4 222 382	Femoral Component Hip Joint Prosthesis Extractor
4 261 062	Natural Shoulder Joint Prosthesis
4 261 064	Bicondylar Joint Prosthesis
4 269 180	Bone Fastener for the Greater Trochanter
4 289 124	Surgical Appliance for the Fixation of Fractured Bones
4 454 876	Pelvic Fixation Plate and Method of Implanting Same
4 456 411	Twist Drill
4 466 435	Bone Cement Nozzle and Method
Re 33221 (4 518 430)	Dental Restorative Cement Pastes
4 600 000	External Fixation System
Re 3316 (4 612 053)	Combinations of Sparingly Soluble Calcium Phosphates in Slurries and Pastes as Mineralizers and Cements
4 623 349	Osteal Prosthesis and the Production Thereof
4 627 434	Bone Cement System and Method
4 642 123	Ball and Socket Bearing for Artificial Joint
4 678 472	Ball and Socket Bearing for Artificial Joint

4 719 907	Orthopedic Pin Placement Guide
4 751 922	Flexible Medullary Reamer
4 801 301	Ball and Socket Bearing for Artificial Joint
4 852 558	Compressible Bone Staple
4 891 883	Pliers
4 938 771	Femoral Portion of a Hip Joint Prosthesis
4 950 299	Ball and Socket Bearing for Artificial Joint
4 960 427	Ball and Socket Bearing for Artificial Joint
4 978 356	Ball and Socket Bearing for Artificial Joint
5 059 195	Surgical Instrument with Detachable Tool Member
5 108 398	Orthopaedic Knee Fusion Apparatus
5 127 914	Osteosynthesis Means for the Connection of Bone Fracture Segments
5 139 522	Femoral Hip Prosthesis
5 192 283	System for Performing Hip Prosthesis Revision Surgery
5 520 690	Anterior Spinal Polyaxial Locking Screw Plate Assembly
5 522 893	Calcium Phosphate Hydroxyapatite Precursor and Methods for Making and Using the Same
5 525 148	Self-Setting Calcium Phosphate Cements and Methods for Preparing and Using Them
5 531 746	Posterior Spinal Polyaxial Locking Lateral Mass Screw Plate Assembly
5 542 973	Calcium Phosphate Hydroxyapatite Precursor and Methods for Making and Using the Same

- 5 545 254 Calcium Phosphate Hydroxyapatite Precursor and Methods for Making and Using the Same
- 5 549 691 Acetabular Cup
- 5 586 984 Polyaxial Locking Screw And Coupling Element Assembly For Use With Rod Fixation Apparatus
- 5 607 426 Threaded Polyaxial Locking Screw Plate Assembly
- 5 634 265 Electrical Interconnect Using Particle Enhanced Joining Of Metal Surfaces
- 5 647 873 Bicentric Polyaxial Locking Screw And Coupling Element
- 5 681 872 Bioactive Load Bearing Bone Graft Compositions

DOC / 121457 / SCHEDULE 5.13 HOWMEDICA LICENSED IN US PAT

SCHEDULE CHOWMEDICA INC.LICENSED IN U. S. PATENT APPLICATIONS

<u>Application No.</u>	<u>Subject Matter</u>	<u>Filing Date</u>
07/021609	Ball and Socket for Artificial Joint	03/03/87
Re 191225	Ball and Socket for Artificial Joint	05/06/88
07/485944	Ball and Socket for Artificial Joint	02/27/90
08/456710	Ball and Socket for Artificial Joint	06/01/95
08/820612	Intra-Oral Bone Distraction Device	03/19/97
08/844414	Ball and Socket for Artificial Joint	04/17/97
08/559196	First Polyaxial Pedicle Screw	
08/788805	First Polyaxial Pedicle Screw	
08/641504	First Polyaxial Pedicle Screw	
08/835909	First Polyaxial Pedicle Screw	
08/843972	First Polyaxial Pedicle Screw	
08/772403	First Polyaxial Pedicle Screw	
08/728017	Second Polyaxial Pedicle Screw	
08/799720	Second Polyaxial Pedicle Screw	
08/846473	Second Polyaxial Pedicle Screw	
08/799721	Additional Pedicle Screws	

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08/799722 Additional Pedicle Screws

08/547105

08/547106

08/567144

08/549977

08/622891

08/632561

08/677812

08/772406

DOC / 125631 / SCHEDULE 5.13 ASSIGNMENT - HOWMEDICA VI

SCHEDULE CHOWMEDICA INC.LICENSED IN FOREIGN PATENTS

<u>Country</u>	<u>Patent No.</u>	<u>Subject Matter</u>
Great Britain	2117646	Ball and Socket for Artificial Joint
Ireland	53930	Ball and Socket for Artificial Joint
European	EP0091315	Ball and Socket for Artificial Joint
European	EP0137040	Ball and Socket for Artificial Joint
Canada	1264501	Ball and Socket for Artificial Joint
Japan	1842075	Ball and Socket for Artificial Joint
Canada	1109603	Bicondylar Joint Prosthesis Having Flat Medical Female Bearing Surface
France	7904029	
Switzerland	632663	
Canada	1111602	Prosthetic Joints
Germany	P2911963.9	
Great Britain	2017502	
Ireland	48104	
Italy	1112986	
South Africa	79/1284	
Sweden	443704	
European	EP0104044	
AT, DE, FR, GB		
Ireland	54717	

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Canada	1206701	Osteal Prosthesis and the Production Thereof
Japan	1695336	
European CH, DE, FR, GB IT	EP0253526	Flexible Medullary Reamer
Canada	1274438	
European CH, DE, ES, FR GB, IT, SE	EP0301898	Compressible Bone Staple
Australia	603690	
Canada	1317520	
Ireland	62356	
Japan	1809317	
European AT, BE, CH, DE ES, FR, GB, GR IT, LU, NL, SE	EP0373011	Femoral Prosthesis with Fish-Scale Surface
Canada	2002136	
Ireland	641125	
European CH, DE, ES, GB IT	EP0256984	Biocompression External Fixator for Osteosynthesis
Canada	1331329	

DOC / 125648 / SCHEDULE 5.13 ASSIGNMENT - HOWMEDICA X

SCHEDULE CHOWMEDICA INC.LICENSED IN FOREIGN PATENT APPLICATIONS

Country	Appln No.	Subject Matter
European Australia Canada Ireland Japan	88307036.9 20052/88 549074 2316/88 189522/1988	Compressible Bone Staple
European Australia Canada Japan Mexico	PCT/US96/16755	Bone Adjusting Device
European Australia Japan Korea Russia	WO 94/20064	BoneSource®
European Canada Japan	WO 95/08319	BoneSource®
	PCT/US96/04920	First Polyaxial Pedicle Screw
	PCT/US97/07328	First Polyaxial Pedicle Screw
	PCT from US 08/728/017	Second Polyaxial Pedicle Screw
	PCT from US 08/799720	Second Polyaxial Pedicle Screw
	PCT from US 08/846473	Second Polyaxial Pedicle Screw

DOC / 125646 / SCHEDULE 5.13 ASSIGNMENT - HOWMEDICA IX

PCT Application No. US 96/18266

DOC / 125646 / SCHEDULE 5.13 ASSIGNMENT - HOWMEDICA IX

TRADEMARK REGISTER (FOREIGN AND DOMESTIC)

COUNTRY	SERIAL NUMBER	DATE ISSUED	OWNER
BENELUX	458099	8/1/1989	STRYKER MEDICAL BV
BENELUX	404328	8/1/1994	STRYKER MEDICAL BV
USA	620 010	1/24/1956	STRYKER CORPORATION
SOUTH AFRICA	72/0821	12/1/1972	STRYKER CORPORATION
USA	683 350	8/11/1959	STRYKER CORPORATION
ARGENTINA	1 650 655	7/21/1988	STRYKER CORPORATION
ARGENTINA	1 230 198	4/1/1988 RENEWAL IN PROCESS	STRYKER CORPORATION
ARGENTINA	1 335 000	4/8/1987 RENEWAL IN PROCESS	STRYKER CORPORATION
AUSTRALIA	B303 837	1/3/1980	STRYKER CORPORATION
AUSTRIA	85 554	5/16/1977	STRYKER CORPORATION
BENELUX	322 649	11/14/1973	STRYKER CORPORATION
BOLIVIA	C-34308	12/29/1977	STRYKER CORPORATION
BRAZIL	1232/0654357	4/10/1977 RENEWAL IN PROCESS	STRYKER CORPORATION
CANADA	206 497	4/18/1975	STRYKER CORPORATION
CHILE	197 959	7/28/1975	STRYKER CORPORATION
CHINA	788666	11/7/1995	STRYKER CORPORATION

B443148.fjmeu8660680

TRADEMARK REGISTER (FOREIGN AND DOMESTIC)

COUNTRY	SERIAL NUMBER	DATE ISSUED	OWNER
COLOMBIA	95962	4/1/1981	STRYKER CORPORATION
COSTA RICA	55.759	6/13/1979	STRYKER CORPORATION
DENMARK	1974-3765	11/22/1974	STRYKER CORPORATION
ECUADOR	292	2/17/1978	STRYKER CORPORATION
EGYPT	53436	8/13/1977 RENEWAL IN PROCESS	STRYKER CORPORATION
EUROPE		APPLICATIONS FOR STRYKER (BLOCK) FILED	STRYKER CORPORATION
FINLAND	75943	1/5/1981	STRYKER CORPORATION
FRANCE	765276	7/31/1968 RENEWAL IN PROCESS	STRYKER CORPORATION
GERMANY	930294	4/21/1975	STRYKER CORPORATION
GREAT BRITAIN	939654	11/17/1971	STRYKER CORPORATION
GREECE	59779	10/4/1977	STRYKER CORPORATION
HONDURAS	49.827	9/10/1988 RENEWAL IN PROCESS	STRYKER CORPORATION
HONDURAS	49.828	9/10/1988 RENEWAL IN PROCESS	STRYKER CORPORATION
HONG KONG	B1243/1980	7/14/1977	STRYKER CORPORATION
HUNGARY	143065	3/5/1997	STRYKER CORPORATION

TRADEMARK REGISTER (FOREIGN AND DOMESTIC)

COUNTRY	SERIAL NUMBER	DATE ISSUED	OWNER
INDIA	300 444B	11/5/1974 RENEWAL IN PROCESS	STRYKER CORPORATION
INDONESIA	228 714	12/17/1987	STRYKER CORPORATION
IRAN	40496	6/30/1974	STRYKER CORPORATION
ISRAEL	40010	3/9/1977	STRYKER CORPORATION
ITALY	297 790	10/12/1976	STRYKER CORPORATION
JAPAN	1787802	7/29/1985	STRYKER CORPORATION
JAPAN	980 696	1/1/1970	STRYKER CORPORATION
MALAYSIA	M/74145	1/27/1977	STRYKER CORPORATION
MEXICO	191714	1/31/1974	STRYKER CORPORATION
NEW ZEALAND	120 302	12/17/1979	STRYKER CORPORATION
NICARAGUA	8.137	3/6/1978	STRYKER CORPORATION
NIGERIA	31381	10/4/1985 RENEWAL IN PROCESS	STRYKER CORPORATION
NORWAY	104 603	3/13/1980	STRYKER CORPORATION
PAKISTAN	147798		STRYKER CORPORATION
PANAMA	22.357	9/15/1977 RENEWAL IN PROCESS	STRYKER CORPORATION
PERU	13025	4/26/1978	STRYKER CORPORATION

TRADEMARK REGISTER (FOREIGN AND DOMESTIC)

COUNTRY	SERIAL NUMBER	DATE ISSUED	OWNER
PHILIPPINES	30321	11/20/1981	STRYKER CORPORATION
POLAND	88640	2/2/1994	STRYKER CORPORATION
PORTUGAL	247 206	3/13/1992	STRYKER CORPORATION
PORTUGAL	247 207	3/13/1992	STRYKER CORPORATION
PORTUGAL	247 208	3/13/1992	STRYKER CORPORATION
RUSSIA	RU 133632	2/10/1994	STRYKER CORPORATION
SAUDI ARABIA	57/73	12/29/1976	STRYKER CORPORATION
SINGAPORE	72841	8/31/1977	STRYKER CORPORATION
SOUTH AFRICA	B72/0822	2/1/1972	STRYKER CORPORATION
SOUTH KOREA	55938	5/31/1978 RENEWAL IN PROCESS	STRYKER CORPORATION
SOUTHWEST AFRICA	72/046	2/1/1972	STRYKER CORPORATION
SPAIN	733 226	6/21/1976	STRYKER CORPORATION
SWEDEN	147 196	5/17/1974	STRYKER CORPORATION
SWITZERLAND	266 919	11/28/1973	STRYKER CORPORATION
TAIWAN	91625	9/1/1977 RENEWAL IN PROCESS	STRYKER CORPORATION
THAILAND	60912	12/14/1977	STRYKER CORPORATION
USA	1 758 159	3/16/1993	OSTEONICS CORP.

TRADEMARK REGISTER (FOREIGN AND DOMESTIC)

COUNTRY	SERIAL NUMBER	DATE ISSUED	OWNER
VENEZUELA	150.949	1/17/1994	OSTEONICS CORP.
ARGENTINA	1 382 148	5/31/1990	OSTEONICS CORP.
AUSTRALIA	A491513	7/20/1988	OSTEONICS CORP.
AUSTRIA	123 912	2/15/1989	OSTEONICS CORP.
BENELUX	450 554	7/15/1988	OSTEONICS CORP.
BRAZIL	814662528	11/27/1990	OSTEONICS CORP.
CANADA	387 395	8/9/1991	OSTEONICS CORP.
COLOMBIA	140594	12/18/1992	OSTEONICS CORP.
DENMARK	3994-1989	6/30/1989	OSTEONICS CORP.
FRANCE	1 479 166	7/21/1988	OSTEONICS CORP.
GERMANY	1 135 206	7/22/1988	OSTEONICS CORP.
GREAT BRITAIN	1351450	7/18/1988	OSTEONICS CORP.
HONG KONG	3423/1989	8/16/1988	OSTEONICS CORP.
ITALY	0549471	9/18/1991	OSTEONICS CORP.
JAPAN	2455134	9/30/1992	OSTEONICS CORP.
MEXICO	359 321	9/30/1988	OSTEONICS CORP.
NEW ZEALAND	185 862	7/25/1988	OSTEONICS CORP.
NORWAY	138 521	9/14/1989	OSTEONICS CORP.

TRADEMARK REGISTER (FOREIGN AND DOMESTIC)

COUNTRY	SERIAL NUMBER	DATE ISSUED	OWNER
PERU	78388	12/16/1988	OSTEONICS CORP.
SINGAPORE	4709/88	8/31/1988	OSTEONICS CORP.
SOUTH KOREA	178155	9/4/1989	OSTEONICS CORP.
SPAIN	1.271.078	7/5/1989	OSTEONICS CORP.
TURKEY	99337	5/21/1987	STRYKER CORPORATION
USA	730 498	4/24/1962	STRYKER CORPORATION
VENEZUELA	150.831-F	1/17/1994	STRYKER CORPORATION
VENEZUELA	149.891-F	6/12/1993	STRYKER CORPORATION
VENEZUELA	149.892-F	6/12/1993	STRYKER CORPORATION
YUGOSLAVIA	32566-Z-87-0381	11/22/1988	STRYKER CORPORATION
CHINA		STRYKER IN CHINESE CHARACTERS	STRYKER CORPORATION
FRANCE	98 725 510	9/11/1998	STRYKER CORPORATION
USA	750192	5/28/1963	STRYKER CORPORATION
BENELUX	332 971	5/26/1975	STRYKER CORPORATION
GREAT BRITAIN	1 053 920		STRYKER CORPORATION
USA	1 016 798	7/29/1975	STRYKER CORPORATION
USA	1 048 466	9/21/1976	STRYKER CORPORATION

TRADEMARK REGISTER (FOREIGN AND DOMESTIC)

COUNTRY	SERIAL NUMBER	DATE ISSUED	OWNER
USA	1 046 749	8/24/1976	STRYKER CORPORATION
USA	1 063 789	4/19/1977	STRYKER CORPORATION
USA	1 094 503	6/27/1978	STRYKER CORPORATION
VENEZUELA	150.950	1/17/1994	OSTEONICS CORP.
ARGENTINA	1 377 848	3/30/1990	OSTEONICS CORP.
AUSTRALIA	A491516	7/20/1988	OSTEONICS CORP.
AUSTRIA	123 911	2/15/1989	OSTEONICS CORP.
BENELUX	450 551	7/15/1988	OSTEONICS CORP.
BRAZIL	814662536	11/27/1990	OSTEONICS CORP.
CANADA	377 074	12/14/1990	OSTEONICS CORP.
DENMARK	4089-1990	6/29/1990	OSTEONICS CORP.
FRANCE	1 479 165	7/21/1988	OSTEONICS CORP.
GERMANY	1 171 169	7/31/1988	OSTEONICS CORP.
GREAT BRITAIN	1351445	7/18/1988	OSTEONICS CORP.
HONG KONG	B1126/1990	8/16/1988	OSTEONICS CORP.
ITALY	0549637	9/24/1991	OSTEONICS CORP.
JAPAN	2375043	1/31/1992	OSTEONICS CORP.
NORWAY	138 520	9/14/1989	OSTEONICS CORP.

TRADEMARK REGISTER (FOREIGN AND DOMESTIC)

COUNTRY	SERIAL NUMBER	DATE ISSUED	OWNER
SINGAPORE	4708/88	8/31/1988	OSTEONICS CORP.
SOUTH KOREA	178243	9/5/1989	OSTEONICS CORP.
SPAIN	1.703.980	5/27/1992	OSTEONICS CORP.
SWEDEN	232 039	4/3/1992	OSTEONICS CORP.
SWITZERLAND	366175	2/2/1989	OSTEONICS CORP.
TAIWAN	480776	4/1/1990	OSTEONICS CORP.
COLOMBIA	140595	12/18/1992	OSTEONICS CORP.
DENMARK	688-1990	2/9/1990	OSTEONICS CORP.
FRANCE	1 479 164	7/21/1988	OSTEONICS CORP.
GERMANY	1 171 168	7/31/1988	OSTEONICS CORP.
GREAT BRITAIN	1351446	7/18/1988	OSTEONICS CORP.
HONG KONG	B747/1990	8/16/1988	OSTEONICS CORP.
ITALY	0549636	9/24/1991	OSTEONICS CORP.
JAPAN	2375042	1/31/1992	OSTEONICS CORP.
MEXICO	359 692	9/30/1988	OSTEONICS CORP.
NEW ZEALAND	185 861	7/25/1988	OSTEONICS CORP.
NORWAY	140 010	1/11/1990	OSTEONICS CORP.
SINGAPORE	4707/88	8/31/1988	OSTEONICS CORP.

TRADEMARK REGISTER (FOREIGN AND DOMESTIC)

COUNTRY	SERIAL NUMBER	DATE ISSUED	OWNER
SOUTH KOREA	186526	1/4/1990	OSTEONICS CORP.
SPAIN	1 270 651	11/15/1991	OSTEONICS CORP.
SWEDEN	227 501	11/8/1991	OSTEONICS CORP.
SWITZERLAND	366176	2/14/1989	OSTEONICS CORP.
TAIWAN	477238	3/1/1990	OSTEONICS CORP.
USA	1 509 987	10/25/1988	OSTEONICS CORP.
HONG KONG	B59/1990	8/16/1988	OSTEONICS CORP.
ITALY	0549472	9/18/1991	OSTEONICS CORP.
JAPAN	2375041	1/31/1992	OSTEONICS CORP.
MEXICO	359 319	9/29/1988	OSTEONICS CORP.
NEW ZEALAND	185 860	7/25/1988	OSTEONICS CORP.
NORWAY	138 519	9/14/1989	OSTEONICS CORP.
SINGAPORE	B4706/88	8/31/1988	OSTEONICS CORP.
SOUTH KOREA	178154	9/4/1989	OSTEONICS CORP.
SPAIN	1.651.747	8/2/1996	OSTEONICS CORP.
SWEDEN	218 080	7/27/1990	OSTEONICS CORP.
SWITZERLAND	380348	1/24/1991	OSTEONICS CORP.
TAIWAN	480772	4/1/1990	OSTEONICS CORP.

TRADEMARK REGISTER (FOREIGN AND DOMESTIC)

COUNTRY	SERIAL NUMBER	DATE ISSUED	OWNER
USA	1 380 262	1/28/1986	OSTEONICS CORP.
VENEZUELA	OMNIFIT APPLICATION FILED		OSTEONICS CORP.
ARGENTINA	1 374 849	2/28/1990	OSTEONICS CORP.
AUSTRALIA	A491514	7/20/1988	OSTEONICS CORP.
AUSTRIA	123 910	2/15/1989	OSTEONICS CORP.
BENELUX	450 553	7/15/1988	OSTEONICS CORP.
BRAZIL	814662510	11/20/1990	OSTEONICS CORP.
CANADA	377 479	12/21/1990	OSTEONICS CORP.
USA	1 168 197	9/8/1981	STRYKER CORPORATION
USA	1 156 252	6/2/1981	STRYKER CORPORATION
USA	1 189 887	2/16/1982	STRYKER CORPORATION
USA	1 435 405	4/7/1987	STRYKER CORPORATION
CANADA	351 758	2/17/1989	ADEL MEDICAL LTD.
USA	1 320 531	2/19/1985	ADEL MEDICAL LTD.
ARGENTINA	1 361 677	10/4/1989	OSTEONICS CORP.
AUSTRALIA	A491515	7/20/1988	OSTEONICS CORP.
AUSTRIA	123 909	2/15/1989	OSTEONICS CORP.

TRADEMARK REGISTER (FOREIGN AND DOMESTIC)

COUNTRY	SERIAL NUMBER	DATE ISSUED	OWNER
BENELUX	450 552	7/15/1988	OSTEONICS CORP.
BRAZIL	814662501	11/20/1990	OSTEONICS CORP.
CANADA	376 652	12/7/1990	OSTEONICS CORP.
COLOMBIA	158629	4/29/1994	OSTEONICS CORP.
DENMARK	687-1990	2/9/1990	OSTEONICS CORP.
FRANCE	1 479 163	7/21/1988	OSTEONICS CORP.
GERMANY	2 002 357	11/30/1990	OSTEONICS CORP.
GREAT BRITAIN	1351448	7/18/1988	OSTEONICS CORP.
SWEDEN	217 244	6/1/1990	OSTEONICS CORP.
SWITZERLAND	366231	2/3/1989	OSTEONICS CORP.
TAIWAN	477239	3/1/1990	OSTEONICS CORP.
USA	1 383 250	2/18/1986	OSTEONICS CORP.
VENEZUELA	150.951	1/17/1994	OSTEONICS CORP.
USA	1 650 064	7/9/1991	OSTEONICS CORP.
USA	1 615 583	10/2/1990	OSTEONICS CORP.
USA	1 502 085	8/30/1988	OSTEONICS CORP.
USA	1 379 048	1/21/1986	OSTEONICS CORP.
USA	1 379 047	1/21/1986	OSTEONICS CORP.

TRADEMARK REGISTER (FOREIGN AND DOMESTIC)

COUNTRY	SERIAL NUMBER	DATE ISSUED	OWNER
USA	1 738 182	12/8/1992	STRYKER CORPORATION
USA	2 059 630	5/6/1997	STRYKER CORPORATION
USA	1 777 108	6/15/1993	STRYKER CORPORATION
USA	75/109 264		OSTEONICS CORP.
USA	75/115 685		OSTEONICS CORP.
USA	75/234 353		STRYKER CORPORATION
USA	75/240 425		STRYKER CORPORATION
USA	INTERPULSE APPLICATION FILED		STRYKER CORPORATION
USA	75/423 724		STRYKER CORPORATION
USA	CROSSFIRE APPLICATION FILED		OSTEONICS CORP.
USA	PUREFIX APPLICATION FILED		STRYKER CORPORATION

PATENT REGISTER (FOREIGN AND DOMESTIC)

COUNTRY	PATENT NO. or SERIAL NO.	DATE ISSUED (OR TITLE)	OWNER
EUROPE	90 903598.2	2/8/1990	STRYKER CORPORATION, GILLES MISSENARD, PHILIPPE LAPRESLE
FINLAND	91 0564	2/6/1991	STRYKER CORPORATION, PHILIPPE LAPRESLE GILLES MISSENARD
USA	5 266 683	11/30/1993	STRYKER CORPORATION
USA	5 324 819	6/28/1994	STRYKER CORPORATION
USA	4 968 590	11/6/1990	STRYKER CORPORATION
USA	5 344 654	9/6/1994	STRYKER CORPORATION
USA	5 496 552	3/5/1996	STRYKER CORPORATION
CANADA	2 027 298	10/10/1990	STRYKER CORPORATION PHILIPPE LAPRESLE, GILLES MISSENARD
USA	5 354 557	10/11/1994	STRYKER CORPORATION
FRANCE	89 01923	2/9/1989	STRYKER CORPORATION, PHILIPPE LAPRESLE, GILLES MISSENARD
FRANCE	90 10634	2/8/1990	STRYKER CORPORATION, PHILIPPE LAPRESLE GILLES MISSENARD
USA	5 129 388	2/8/1990	STRYKER CORPORATION, PHILIPPE LAPRESLE, GILLES MISSENARD
AUSTRALIA	70823/91	2/6/1991	STRYKER CORPORATION, PHILIPPE LAPRESLE, GILLES MISSENARD
CANADA	2 035 348	2/5/1991	STRYKER CORPORATION, PHILIPPE LAPRESLE, GILLES MISSENARD
EUROPE	94 913664.2	4/19/1994	STRYKER CORPORATION, PHILIPPE LAPRESLE, GILLES MISSENARD, PATRICK HENRY
USA	08/478 452	6/7/1995	STRYKER CORPORATION
USA	5 468 845	11/21/1995	STRYKER CORPORATION

PATENT REGISTER (FOREIGN AND DOMESTIC)

COUNTRY	PATENT NO. OR SERIAL NO.	DATE ISSUED (OR TITLE)	OWNER
SOUTH KOREA	95 704459	4/18/1994	STRYKER CORPORATION, PHILIPPE LAPRESLE, GILLES MISSENARD, PATRICK HENRY
GERMANY	0252-48.882 EP-	8/29/1995	STRYKER CORPORATION
ITALY	26082BE/95		STRYKER CORPORATION
JAPAN	2522568	5/31/1996	STRYKER CORPORATION
NETHERLANDS			STRYKER CORPORATION
USA	5 258 494	11/2/1993	STRYKER CORPORATION
SWEDEN	134976	9/14/1995	STRYKER CORPORATION
FRANCE	90 03694	3/19/1990	STRYKER CORPORATION, PHILIPPE LAPRESLE, GILLES MISSENARD
USA	5 171 574	12/15/1992	STRYKER CORPORATION
USA	5 162 114	11/10/1992	STRYKER CORPORATION
USA	4 975 526	12/4/1990	STRYKER CORPORATION
USA	5 011 691	4/30/1991	STRYKER CORPORATION
USA	5 108 753	4/28/1992	STRYKER CORPORATION
USA	5 250 302	10/5/1993	STRYKER CORPORATION
SPAIN	0 411 105 B1	7/27/1995	STRYKER CORPORATION
LUXEMBOURG	0372031	9/11/1996	STRYKER CORPORATION
EUROPE	91 450001.2	2/8/1991	STRYKER CORPORATION, PHILIPPE LAPRESLE, GILLES MISSENARD
EUROPE	0 372 031	9/11/1996	STRYKER CORPORATION
AUSTRIA	E 142644	9/11/1996	STRYKER CORPORATION
BELGIUM	0-372-031	9/11/1996	STRYKER CORPORATION
FRANCE	89 904 959.7	9/11/1996	STRYKER CORPORATION
USA	5 741 254	4/18/1994	STRYKER CORPORATION, PATRICK HENRY, PHILIPPE LAPRESLE, GILLES MISSENARD
ITALY	372031	9/11/1996	STRYKER CORPORATION

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COUNTRY	PATENT NO. OR SERIAL NO.	DATE ISSUED (OR TITLE)	OWNER
AUSTRALIA	65725/94	4/19/1994	STRYKER CORPORATION, PATRICK HENRY, PHILIPPE LAPRESLE, GILLES MISSENARD
NETHERLANDS	0 372 031	9/11/1996	STRYKER CORPORATION
SWEDEN	162771	9/11/1996	STRYKER CORPORATION
UK	0 372 031	9/11/1996	STRYKER CORPORATION
USA	5 593 448	1/14/1997	OSTEONICS CORP.
JAPAN	2548414	8/8/96	STRYKER CORPORATION
JAPAN	2113455	11/21/1996	STRYKER CORPORATION
GERMANY	0372031	9/11/1996	STRYKER CORPORATION
AUSTRALIA	72511/91	2/8/1991	STRYKER CORPORATION, PATRICK HENRY
JAPAN	75960/91	2/8/1991	STRYKER CORPORATION, PHILIPPE LAPRESLE, GILLES MISSENARD
MALAYSIA	91 00179	2/6/1991	STRYKER CORPORATION, PHILIPPE LAPRESLE, GILLES MISSENARD
NORWAY	91 0459	2/6/1991	STRYKER CORPORATION, PHILIPPE LAPRESLE, GILLES MISSENARD
SOUTH KOREA	91 2143	2/8/1991	STRYKER CORPORATION, PHILIPPE LAPRESLE, GILLES MISSENARD
THAILAND	12 809	2/8/1991	STRYKER CORPORATION, PHILIPPE LAPRESLE, GILLES MISSENARD
TAIWAN	83 105837	6/28/1994	STRYKER CORPORATION, PHILIPPE LAPRESLE, GILLES MISSENARD, PATRICK HENRY
ALGERIA	226 90	12/15/1990	STRYKER CORPORATION, PATRICK HENRY
DENMARK	00074877	9/13/1995	STRYKER CORPORATION
BULGARIA	95 277	2/8/1991	STRYKER CORPORATION
CANADA	2 051 408	2/8/1991	STRYKER CORPORATION, PATRICK HENRY

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COUNTRY	PATENT NO. or SERIAL NO.	DATE ISSUED (OR TITLE)	OWNER
EUROPE	90 450018.8	12/19/1990	STRYKER CORPORATION, PATRICK HENRY
FINLAND	90/6130	12/13/1990	STRYKER CORPORATION, PATRICK HENRY
CANADA	2 160 911	4/19/1994	STRYKER CORPORATION, PHILIPPE LAPRESLE, GILLES MISSENARD, PATRICK HENRY
CANADA	1 338 663	10/22/1996	STRYKER CORPORATION
USA	5 176 680	2/8/1991	STRYKER CORPORATION, PHILIPPE LAPRESLE, GILLES MISSENARD
CANADA	1 283 755	5/7/91	OSTEONICS CORP.
AUSTRALIA	619 954		OSTEONICS CORP.
JAPAN	19 364/90		OSTEONICS CORP.
EPC	90300673.2		OSTEONICS CORP.
JAPAN	45 978/90		OSTEONICS CORP.
CANADA	6606	4/19/88	OSTEONICS CORP.
JAPAN	2622566	4/1/97	OSTEONICS CORP.
AUSTRALIA	564 382	1/20/88	?
AUSTRALIA	578 687	3/11/88	OSTEONICS CORP.
AUSTRALIA	640 119		OSTEONICS CORP.
AUSTRALIA	569 296	1/28/88	OSTEONICS CORP.
FRANCE		(BONE COLLAGEN MATRIX FOR IMPLANTS)	STRYKER CORPORATION
CANADA	1 283 754	5/7/1991	OSTEONICS CORP.
CANADA	2 006 274		OSTEONICS CORP.
USA	5 356 414	10/18/1994	OSTEONICS CORP.
USA	5 133 772	7/28/1992	OSTEONICS CORP.
USA	5 179 915	1/19/1993	OSTEONICS CORP.
USA	4 955 325	9/11/1990	OSTEONICS CORP.
JAPAN	278 745/89		OSTEONICS CORP.
AUSTRALIA	630 916	1/25/90	OSTEONICS CORP.

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COUNTRY	PATENT NO. OR SERIAL NO.	DATE ISSUED (OR TITLE)	OWNER
JAPAN	501 565/85		OSTEONICS CORP.
JAPAN	19 365/90		OSTEONICS CORP.
JAPAN	59-502057		OSTEONICS CORP.
JAPAN	345.67816092		OSTEONICS CORP.
JAPAN	2741612	1/30/98	OSTEONICS CORP.
UK	2 199 753	12/5/90	OSTEONICS CORP.
AUSTRALIA	627 850		STRYKER CORPORATION
AUSTRALIA	605 815	7/9/91	OSTEONICS CORP.
TAIWAN	83 105 836	6/28/1994	STRYKER CORPORATION, PHILIPPE LAPRESLE, GILLES MISSENARD, PATRICK HENRY
SOUTH KOREA	95 704534	4/19/1994	STRYKER CORPORATION, PHILIPPE LAPRESLE, GILLES MISSENARD, PATRICK HENRY
MEXICO	942 538	4/19/1994	STRYKER CORPORATION, PHILIPPE LAPRESLE, GILLES MISSENARD, PATRICK HENRY
JAPAN	94/522 847	4/19/1994	STRYKER CORPORAT5ION, PHILIPPE LAPRESLE, GILLES MISSENARD, PATRICK HENRY
FRANCE	95 00192	1/10/1995	STRYKER CORPORATION
AUSTRALIA	628 050	1/21/1993	STRYKER CORPORATION
FRANCE	95 00760	1/24/1995	STRYKER CORPORATION, GILLES GAGNA, PIERRE ANTONIETTI
AUSTRALIA	618 357	4/13/1992	STRYKER CORPORATION
AUSTRALIA	648 997		STRYKER CORPORATION
AUSTRALIA	639 574	11/23/1993	STRYKER CORPORATION
AUSTRALIA	668411	6/8/1993	STRYKER CORPORATION
AUSTRALIA	E 124051	9/1/1995	STRYKER CORPORATION
BELGIUM	B-1210	8/21/1995	STRYKER CORPORATION

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COUNTRY	PATENT NO. or SERIAL NO.	DATE ISSUED (OR TITLE)	OWNER
FRANCE	93 04625	4/20/1993	STRYKER CORPORATION, PATRICK HENRY, PHILIPPE LAPRESLE, GILLES MISSENARD
AUSTRALIA	584 054		OSTEONICS CORP.
AUSTRALIA	583 780		OSTEONICS CORP.
USA	5 054 480	10/8/1991	?
USA	5 702 334	4/19/1994	STRYKER CORPORATION, PATRICK HENRY, PHILIPPE LAPRESLE, GILLES MISSENARD
USA		(ARTHROSCOPIC CUTTER HAVING CURVED ROTATABLE DRIVE)	STRYKER CORPORATION
EUROPE	0 362 367	2/28/1996	STRYKER CORPORATION
PCT	96/00108	1/23/1996	STRYKER CORPORATION, GILLES GAGNA, PIERRE ANTONIETTI
CANADA	2 043 993		?
PCT	94/00437	4/19/1994	STRYKER CORPORATION, PHILIPPE LAPRESLE, GILLES MISSENARD, PATRICK HENRY
PCT	90/00096	2/8/1990	STRYKER CORPORATION, PHILIPPE LAPRESLE, GILLES MISSENARD
MOROCCO	22293	12/12/1990	STRYKER CORPORATION, PATRICK HENRY
SINGAPORE	9690801-7	4/17/1996	STRYKER CORPORATION, PHILIPPE LAPRESLE, GILLES MISSENARD
HONG KONG	1012-1996	6/13/1996	STRYKER CORPORATION, PHILIPPE LAPRESLE, GILLES MISSENARD
PCT	96/00108	1/23/1996	STRYKER CORPORATION, GILES GAGNA, PIERRE ANTONIETTI
CANADA	1 234 247		OSTEONICS CORP.
USA	5 645 591	7/8/1997	STRYKER CORPORATION

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COUNTRY	PATENT NO. or SERIAL NO.	DATE ISSUED (OR TITLE)	OWNER
EPC	0325407		OSTEONICS CORP.
EPC	0385572		OSTEONICS CORP.
USA	5 750 651	5/12/1998	STRYKER CORPORATION
EPC	89311120.3		OSTEONICS CORP.
SWEDEN	0 362 367	2/28/1996	STRYKER CORPORATION
CANADA	2 006 273		OSTEONICS CORP.
FRANCE	90/01633	2/8/1990	STRYKER CORPORATION, PATRICK HENRY
CANADA	1 285 706	7/9/1991	OSTEONICS CORP.
CANADA	1 321 679	8/31/1993	OSTEONICS CORP.
CANADA	1 285 705	7/9/1991	OSTEONICS CORP.
SINGAPORE	9690666-4	2/8/1990	STRYKER CORPORATION, PHILIPPE LAPRESLE, GILLES MISSENARD
CANADA	2 001 286	3/19/1998	OSTEONICS CORP.
CANADA	2 138 270		STRYKER CORPORATION
EPC	0381351		OSTEONICS CORP.
ITALY	0 362 367	2/28/1996	STRYKER CORPORATION
CANADA	2 006 272		OSTEONICS CORP.
PCT	94/00435	4/18/1994	STRYKER CORPORATION, PHILIPPE LAPRESLE, GILLES MISSENARD, PATRICK HENRY
JAPAN	504247/91	2/8/1991	STRYKER CORPORATION, PATRICK HENRY
IRELAND	4456/90	12/10/1990	STRYKER CORPORATION, PATRICK HENRY
ICELAND	3657	12/14/1990	STRYKER CORPORATION, PATRICK HENRY
HUNGARY	3515 91	2/8/1991	STRYKER CORPORATION, PATRICK HENRY
SOUTH KOREA	92 8353	5/18/1992	STRYKER CORPORATION, PHILIPPE LAPRESLE, GILLES MISSENARD
USA	5 670 336	7/23/1997	STRYKER CORPORATION

PATENT REGISTER (FOREIGN AND DOMESTIC)

COUNTRY	PATENT NO. OR SERIAL NO.	DATE ISSUED (OR TITLE)	OWNER
EUROPE	92 450005.1	5/14/1995	STRYKER CORPORATION, PHILIPPE LAPRESLE, GILLES MISSENARD
FINLAND	92 2222	5/15/1992	STRYKER CORPORATION, PHILIPPE LAPRESLE, GILLES MISSENARD
FRANCE	91 06133	5/17/1991	STRYKER CORPORATION, PHILIPPE LAPRESLE, GILLES MISSENARD
JAPAN	149908/92	5/18/1992	STRYKER CORPORATION, PHILIPPE LAPRESLE, GILLES MISSENARD
NORWAY	92 1922	5/18/1992	STRYKER CORPORATION, PHILIPPE LAPRESLE, GILLES MISSENARD
GERMANY	0 362 367	2/28/1996	STRYKER CORPORATION
FRANCE	0 362 367	2/28/1996	STRYKER CORPORATION
BELGIUM	0 362 367	2/28/1996	STRYKER CORPORATION
SWITZER-LAND	0 362 367	2/28/1996	STRYKER CORPORATION
CANADA	2 068 675	5/14/1992	STRYKER CORPORATION, PHILIPPE LAPRESLE, GILLES MISSENARD
UK	0 362 367	2/28/1996	STRYKER CORPORATION
NETHER- LANDS	0 362 367	2/28/1996	STRYKER CORPORATION
USA	5 261 907	5/15/1992	STRYKER CORPORATION, PHILIPPE LAPRESLE, GILLES MISSENARD
AUSTRALIA	65724/94	4/18/1994	STRYKER CORPORATION, PHILIPPE LAPRESLE, GILLES MISSENARD, PATRICK HENRY
CANADA	2 160 910	4/18/1994	STRYKER CORPORATION, PHILIPPE LAPRESXLE, GILLES MISSENARD, PATRICK HENRY
EUROPE	94 913662.6	4/18/1994	STRYKER CORPORATION, PHILIPPE LAPRESLE, GILLES MISSENARD, PATRICK HENRY

PATENT REGISTER (FOREIGN AND DOMESTIC)

COUNTRY	PATENT NO. or SERIAL NO.	DATE ISSUED (OR TITLE)	OWNER
FRANCE	93 04584	4/19/1993	STRYKER CORPORATION, PHILIPPE LAPRESLE, GILLES MISSENARD, PATRICK HENRY
JAPAN	522845/94	4/18/1994	STRYKER CORPORATION, PHILIPPE LAPRESLE, GILLES MISSENARD, PATRICK HENRY
MEXICO	942 837	4/19/1994	STRYKER CORPORATION, PHILIPPE LAPRESLE, GILLES MISSENARD, PATRICK HENRY
CANADA	2082946	12/10/1996	STRYKER CORPORATION
AUSTRIA	0 362 367	2/28/1996	STRYKER CORPORATION
RUSSIA	5010031/14	2/8/1991	STRYKER CORPORATION, PATRICK HENRY
ROMANIA	8621	2/8/1991	STRYKER CORPORATION, PATRICK HENRY
PORTUGAL	96202	12/14/1990	STRYKER CORPORATION, PATRICK HENRY
NORWAY	90/5367	12/12/1990	STRYKER CORPORATION, PATRICK HENRY
LUXEMBOURG	0 362 367	2/28/1996	STRYKER CORPORATION
PCT	91/00099	2/8/1991	STRYKER CORPORATION, PATRICK HENRY
USA	5 674 292	10/7/1997	STRYKER CORPORATION
SINGAPORE	9690801-7	4/17/1996	STRYKER CORPORATION, PATRICK HENRY
PCT	93/00715	7/13/1993	STRYKER CORPORATION, PATRICK HENRY
USA	5 714 589	2/3/1998	STRYKER CORPORATION
JAPAN	2679409	11/19/1997	STRYKER CORPORATION
TUNISIA	90 149	2/8/1991	STRYKER CORPORATION, PATRICK HENRY
AUSTRIA	0 362 367	2/28/1996	STRYKER CORPORATION
RUSSIA	5010031/14	2/8/1991	STRYKER CORPORATION, PATRICK HENRY

PATENT REGISTER (FOREIGN AND DOMESTIC)

COUNTRY	PATENT NO. or SERIAL NO.	DATE ISSUED (OR TITLE)	OWNER
ROMANIA	8621	2/8/1991	STRYKER CORPORATION, PATRICK HENRY
PORTUGAL	96202	12/14/1990	STRYKER CORPORATION, PATRICK HENRY
NORWAY	90/5367	12/12/1990	STRYKER CORPORATION, PATRICK HENRY
LUXEMBOURG	0 362 367	2/28/1996	STRYKER CORPORATION
PCT	91/00099	2/8/1991	STRYKER CORPORATION, PATRICK HENRY
USA	5 674 292	10/7/1997	STRYKER CORPORATION
SINGAPORE	9690801-7	4/17/1996	?
PCT	93/00715	7/13/1993	STRYKER CORPORATION, PATRICK HENRY
USA	5 714 589	2/3/1998	STRYKER CORPORATION
JAPAN	2679409	11/19/1997	STRYKER CORPORATION
TUNISIA	90 149	2/8/1991	STRYKER CORPORATION, PATRICK HENRY
EUROPE	0 448 704 European Patent Applic. No. 90 91 6655.5- 2101		STRYKER CORPORATION
TURKEY	98 91	2/7/1991	STRYKER CORPORATION, PATRICK HENRY
USA	5 290 288	2/8/1991	STRYKER CORPORATION, PATRICK HENRY
FRANCE	92 08713	7/13/1992	STRYKER CORPORATION, PATRICK HENRY
AUSTRALIA	16372/92	5/18/1992	STRYKER CORPORATION, PHILIPPE LAPRESLE, GILLES MISSEARD
JAPAN	2679409	5/22/1991	STRYKER CORPORATION
BELGIUM	881 828	2/20/1980	LICENSED TO STRYKER CORPORATION
JAPAN	1 452 624	8/10/1988	LICENSED TO STRYKER CORPORATION

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COUNTRY	PATENT NO. OR SERIAL NO.	DATE ISSUED (OR TITLE)	OWNER
W. GERMANY	30 06 577	3/17/1983	LICENSED TO STRYKER CORPORATION
W. GERMANY	32 06 782	2/25/1982	LICENSED TO STRYKER CORPORATION
USA	4 203 444	5/20/1980	LICENSED TO STRYKER CORPORATION
USA	4 274 414	6/23/1981	LICENSED TO STRYKER CORPORATION
USA	4 842 578	6/27/1989	LICENSED TO STRYKER CORPORATION
GREAT BRITAIN	2 093 353	9/19/1984	LICENSED TO STRYKER CORPORATION
JAPAN	1 372 318	8/26/1986	LICENSED TO STRYKER CORPORATION
CANADA	1 175 725	10/9/1984	LICENSED TO STRYKER CORPORATION
JAPAN	1 410 546	11/24/1987	LICENSED TO STRYKER CORPORATION
GREAT BRITAIN	2 042 902	3/9/1983	LICENSED TO STRYKER CORPORATION
FRANCE	80 03868	6/24/1985	LICENSED TO STRYKER CORPORATION
FRANCE	2 500 292	9/29/1986	LICENSED TO STRYKER CORPORATION
CANADA	1 145 636	5/3/1983	LICENSED TO STRYKER CORPORATION
CANADA	1 130 163	8/24/1982	LICENSED TO STRYKER CORPORATION
SWITZER- LAND	635 999	5/13/1983	LICENSED TO STRYKER CORPORATION
W. GERMANY	28 48 314	12/23/1982	LICENSED TO STRYKER CORPORATION
PAKISTAN	147799		STRYKER CORPORATION
USA	4 569 674	2/11/1986	STRYKER CORPORATION
JAPAN	1 724 332	2/27/1992	STRYKER CORPORATION
CANADA	1 196 828	11/19/1985	STRYKER CORPORATION
USA	4 655 754	4/7/1987	STRYKER CORPORATION

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COUNTRY	PATENT NO. or SERIAL NO.	DATE ISSUED (OR TITLE)	OWNER
CANADA	1 258 414	8/15/1989	STRYKER CORPORATION
USA	4 826 494	5/2/1989	STRYKER CORPORATION
USA	4 817 629	4/4/1989	STRYKER CORPORATION
USA	4 873 461	10/10/1989	STRYKER CORPORATION
USA	4 782 833	11/8/1988	STRYKER CORPORATION
USA	4 919 667	4/24/1990	STRYKER CORPORATION
EPC	372811	12/5/1993	STRYKER CORPORATION
USA	5 046 486	9/10/1991	STRYKER CORPORATION
USA	5 093 593	3/3/1992	STRYKER CORPORATION
USA	4 994 022	2/19/1991	STRYKER CORPORATION
EPC	384585	10/20/1993	STRYKER CORPORATION
USA	4 947 942	8/14/1990	STRYKER CORPORATION
USA	4 543 718	10/1/1985	STRYKER CORPORATION
USA	5 067 964	11/26/1991	STRYKER CORPORATION
CANADA	1 261 221	9/26/1989	STRYKER CORPORATION
USA	4 823 780	4/25/1989	STRYKER CORPORATION
USA	4 779 349	10/25/1988	STRYKER CORPORATION
USA	5 088 136	2/18/1992	STRYKER CORPORATION
USA	4 987 623	1/29/1991	STRYKER CORPORATION
USA	5 063 624	11/12/1991	STRYKER CORPORATION
USA	D 326 221	5/19/1992	STRYKER CORPORATION
USA	5 069 465	12/3/1991	STRYKER CORPORATION
USA	5 207 697	5/4/1993	STRYKER CORPORATION
USA	5 187 422	2/16/1993	STRYKER CORPORATION
USA	D 329 092	9/1/1992	STRYKER CORPORATION
USA	D 289 436	4/21/1987	STRYKER CORPORATION
USA	5 263 972	11/23/1993	STRYKER CORPORATION
USA	5 439 472	8/8/1995	STRYKER CORPORATION
USA	5 156 602	10/20/1992	STRYKER CORPORATION
USA	5 136 469	8/4/1992	STRYKER CORPORATION

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COUNTRY	PATENT NO. OR SERIAL NO.	DATE ISSUED (OR TITLE)	OWNER
USA	5 136 220	8/4/1992	STRYKER CORPORATION
USA	5 235 261	8/10/1993	STRYKER CORPORATION
USA	5 268 622	12/7/1993	STRYKER CORPORATION
USA	5 171 245	12/15/1992	STRYKER CORPORATION
USA	5 192 292	3/9/1993	STRYKER CORPORATION
USA	5 214 812	6/1/1993	STRYKER CORPORATION
USA	D 337 160	7/6/1993	STRYKER CORPORATION
USA	346 318	4/26/1994	STRYKER CORPORATION
USA	5 584 838	12/17/1996	STRYKER CORPORATION
USA	5 265 956	11/30/1993	STRYKER CORPORATION
USA	5 344 232	9/6/1994	STRYKER CORPORATION
USA	5 415 474	5/16/1995	STRYKER CORPORATION
USA	5 431 654	7/11/1995	STRYKER CORPORATION
CANADA	2 103 814		STRYKER CORPORATION
USA	5 251 347	10/12/1993	STRYKER CORPORATION
USA	5 179 742	1/19/1993	STRYKER CORPORATION
USA	5 197 156	3/30/1993	STRYKER CORPORATION
USA	5 261 895	11/16/1993	STRYKER CORPORATION
USA	5 195 198	3/23/1993	STRYKER CORPORATION
USA	5 323 551	7/5/1994	STRYKER CORPORATION
CANADA	2 098 427	3/31/1993	STRYKER CORPORATION
EPC	93304603.9		STRYKER CORPORATION
USA	5 172 442	12/22/1992	STRYKER CORPORATION
CANADA	2 103 900		STRYKER CORPORATION
EPC	93903397.3		STRYKER CORPORATION
USA	5 276 432	1/4/1994	STRYKER CORPORATION
USA		APPLICATION FILED FOR HOSPITAL BED ...	STRYKER CORPORATION
USA	343 247	1/11/1994	STRYKER CORPORATION
USA	4 919 152	4/24/1990	STRYKER CORPORATION

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COUNTRY	PATENT NO. or SERIAL NO.	DATE ISSUED (OR TITLE)	OWNER
USA	4 944 443	7/31/1990	STRYKER SALES CORP.
CANADA	1 329 347	5/10/1994	STRYKER SALES CORP.
USA	5 125 553	6/30/1992	STRYKER SALES CORP.
USA	5 220 928	6/22/1993	STRYKER SALES CORP.
USA	5 329 657	7/19/1994	STRYKER CORPORATION
USA	5 269 750	12/14/1993	STRYKER CORPORATION
USA	5 187 824	2/23/1993	STRYKER CORPORATION
USA	5 343 581	9/6/1994	STRYKER CORPORATION
CANADA	2 107 057		STRYKER CORPORATION
EPC	93308260.4		STRYKER CORPORATION
USA	5 423 097	6/13/1995	STRYKER CORPORATION
USA	5 702 415	12/30/1997	STRYKER CORPORATION
USA	5 468 247	11/21/1995	STRYKER CORPORATION
USA	08/526 054		STRYKER CORPORATION
USA	D 348 194	6/28/1994	STRYKER CORPORATION
USA	D 355 344	2/14/1995	STRYKER CORPORATION
USA	D 351 907	10/25/1994	STRYKER CORPORATION
USA	5 470 305	11/28/1995	STRYKER CORPORATION
USA	08/559 133	2/17/1998	STRYKER CORPORATION
USA	09/009 657		STRYKER CORPORATION
USA	5 437 630	8/1/1995	STRYKER CORPORATION
USA	5 690 660	11/25/1997	STRYKER CORPORATION
USA	5 460 604	10/24/1995	STRYKER CORPORATION
USA	5 464 390	11/7/1995	STRYKER CORPORATION
USA	5 543 695	8/6/1996	STRYKER CORPORATION
USA	5 689 159	11/18/1997	STRYKER CORPORATION
USA	5 433 588	7/18/1995	STRYKER CORPORATION
USA	5 461 355	10/24/1995	STRYKER CORPORATION
USA	08/168 777		STRYKER CORPORATION
USA	5 743 456	4/28/1998	STRYKER CORPORATION

PATENT REGISTER (FOREIGN AND DOMESTIC)

COUNTRY	PATENT NO. or SERIAL NO.	DATE ISSUED (OR TITLE)	OWNER
USA	5 484 402	1/16/1996	STRYKER CORPORATION
USA	08/769 428		STRYKER CORPORATION
USA	5 558 136	9/24/1996	STRYKER CORPORATION
USA	5 537 700	7/23/1996	STRYKER CORPORATION
USA	5 575 026	11/19/1996	STRYKER CORPORATION
USA	5 522 100	6/4/1996	STRYKER CORPORATION
USA	5 456 673	10/10/1995	STRYKER CORPORATION
USA	5 637 110	6/10/1997	STRYKER CORPORATION
USA	5 542 136	8/6/1996	STRYKER CORPORATION
USA	5 645 540	7/8/1997	STRYKER CORPORATION
USA	08/845 321		STRYKER CORPORATION
USA	D 377 982	2/11/1997	STRYKER CORPORATION
USA	5 634 933	6/3/1997	STRYKER CORPORATION
USA	5 735 535	4/7/1998	STRYKER CORPORATION
USA	08/882 190		STRYKER CORPORATION
USA	5 613 954	3/25/1997	STRYKER CORPORATION
USA	5 774 914	7/7/1998	STRYKER CORPORATION
USA	08/821 801		STRYKER CORPORATION
USA	08/896 918		STRYKER CORPORATION
USA	5 636 394	6/10/1997	STRYKER CORPORATION
USA	D 382 746	8/26/1997	STRYKER CORPORATION
USA	D 382 428	8/19/1997	STRYKER CORPORATION
USA	5 054 480	10/8/1991	STRYKER CORPORATION
PCT		(MULTI-PURPOSE SURGICAL TOOL SYSTEM)	STRYKER CORPORATION
USA	08/693 595		STRYKER CORPORATION
USA	08/885 591		STRYKER CORPORATION
USA	08/970 603		STRYKER CORPORATION
USA	08/650 383		STRYKER CORPORATION
USA	5 747 953	5/5/1998	STRYKER CORPORATION

PATENT REGISTER (FOREIGN AND DOMESTIC)

COUNTRY	PATENT NO. or SERIAL NO.	DATE ISSUED (OR TITLE)	OWNER
USA	08/990 605		STRYKER CORPORATION
USA	08/634 653		STRYKER CORPORATION
PCT	PCT/US97/ 08565		STRYKER CORPORATION
USA	08/644 855		STRYKER CORPORATION
USA		(THERMAL BONE CEMENT REMOVAL TIP DESIGN)	STRYKER CORPORATION
USA	08/902 481		STRYKER CORPORATION
USA	08/689 866		STRYKER CORPORATION
PCT	PCT/US97/ 15242		STRYKER CORPORATION
USA		(PULSED IRRIGATOR USEFUL FOR SURGICAL AND MEDICAL PROCEDURES)	STRYKER CORPORATION
USA	08/713 434		STRYKER CORPORATION
USA	60/024 198		STRYKER CORPORATION
PCT		(ENDOSCOPE WITH INTEGRATED SELF- REGULATING LIGHT SOURCE)	STRYKER CORPORATION
USA	08/886 955		STRYKER CORPORATION
PCT	PCT/US97/ 15834		STRYKER CORPORATION
USA		(FIBER OPTIC CABLE FOR ...)	STRYKER CORPORATION
USA	08/763 368 D 398 598	9/22/1998	STRYKER CORPORATION
USA	08/763 368		STRYKER CORPORATION
USA	08/784 368		STRYKER CORPORATION
USA	29/065 054		STRYKER CORPORATION
USA	08/843 038		STRYKER CORPORATION
USA	08/870 230		STRYKER CORPORATION
USA	08/861 917		STRYKER CORPORATION
USA	60/035 364		STRYKER CORPORATION

PATENT REGISTER (FOREIGN AND DOMESTIC)

COUNTRY	PATENT NO. or SERIAL NO.	DATE ISSUED (OR TITLE)	OWNER
USA	08/954 510		STRYKER CORPORATION
USA	29/078 154		STRYKER CORPORATION
USA		(STRETCHER BUMPER)	STRYKER CORPORATION
USA	09 102 143		STRYKER CORPORATION
USA	08/891 430		STRYKER CORPORATION
USA		(HOSPITAL BED MATTRESS WITH AN ADJUSTABLE FIRMNESS PERINEAL END SECTION)	STRYKER CORPORATION
USA	08/919 565		STRYKER CORPORATION
USA		(UNITARY PEDAL CONTROL OF BRAKE AND FIFTH WHEEL DEPLOYMENT VIA SIDE AND END ARTICULATION WITH ADDITIONAL UNITARY PEDAL CONTROL)	STRYKER CORPORATION
USA		(ELECTROCAUTERY SURGICAL TOOL)	STRYKER CORPORATION
USA		(IV POLE)	STRYKER CORPORATION
USA		(ENDOSCOPIC CANNULATED HANDPIECE MOTOR WITH INTEGRATED SUCTION CONTROL)	STRYKER CORPORATION
USA	09/100 593		STRYKER CORPORATION
USA		(LOCKING CANNULA FOR ENDOSCOPIC SURGERY)	STRYKER CORPORATION
CANADA	1 300 595	7/13/1998	STRYKER CORPORATION
USA	4 961 647	10/9/1990	STRYKER CORPORATION
USA		(BATTERY CHARGER ESPECIALLY USEFUL WITH STERILIZABLE RECHARGEABLE BATTERY PACKS)	STRYKER CORPORATION

PATENT REGISTER (FOREIGN AND DOMESTIC)

COUNTRY	PATENT NO. or SERIAL NO.	DATE ISSUED (OR TITLE)	OWNER
USA		(METHOD OF CANNULA ASSEMBLY AND INSPECTION AND A MACHINE FOR PERFORMING THE METHOD)	STRYKER CORPORATION
USA	09/120 093		STRYKER CORPORATION
USA	29/089 734		STRYKER CORPORATION
USA		(BLADE GUARD FOR A SURGICAL TOOL)	STRYKER CORPORATION
USA		(CUTTER ROTOR HUB INCLUDING MOTOR ROTOR MAGNETS)	STRYKER CORPORATION
USA		(SURGICAL TOOL WITH INDEXING HEAD)	STRYKER CORPORATION
USA		(DRILL ATTACHMENT FOR A SURGICAL DRILL)	STRYKER CORPORATION
USA		(HANDPIECE FOR A SURGICAL TOOL)	STRYKER CORPORATION
USA		(ARTICULATING ARM BOARD)	STRYKER CORPORATION
USA	60/029 435		STRYKER CORPORATION
JAPAN	4-204418		STRYKER CORPORATION
USA	4 241 463	12/30/1980	OSTEONICS CORP.
USA	4 798 610	1/17/1989	OSTEONICS CORP.
USA	4 695 282	9/22/1987	OSTEONICS CORP.
USA	4 704 127	11/3/1987	OSTEONICS CORP.
USA	D 296 714	7/12/1988	OSTEONICS CORP.
USA	4 770 660	9/13/1988	OSTEONICS CORP.
USA	4 714 472	12/22/1987	OSTEONICS CORP.
USA	4 765 325	8/23/1988	OSTEONICS CORP.
USA	4 750 619	6/14/1988	OSTEONICS CORP.
USA	4 888 023	12/19/1989	OSTEONICS CORP.
USA	5 089 004	2/18/1992	OSTEONICS CORP.

PATENT REGISTER (FOREIGN AND DOMESTIC)

COUNTRY	PATENT NO. or SERIAL NO.	DATE ISSUED (OR TITLE)	OWNER
USA	4 892 552	1/9/1990	OSTEONICS BIOMATERIALS
USA	4 643 734	2/17/1987	OSTEONICS BIOMATERIALS
USA	4 595 713	1/17/1986	OSTEONICS BIOMATERIALS
USA	4 719 908	1/19/1988	OSTEONICS CORP.
USA	4 892 549	1/9/1990	OSTEONICS CORP.
USA	4 892 093	1/9/1990	OSTEONICS CORP.
USA	4 921 500	5/1/1990	OSTEONICS CORP.
USA	4 919 679	4/24/1990	OSTEONICS CORP.
USA	5 007 933	4/16/1991	OSTEONICS CORP.
USA	5 509 934	4/23/1996	OSTEONICS CORP.
USA	D 358 647	5/23/1995	OSTEONICS CORP.
USA	D 358 211	5/9/1995	OSTEONICS CORP.
USA	5 397 360	3/14/1995	OSTEONICS CORP.
USA	5 486 178	1/23/1996	OSTEONICS CORP.
USA	5 601 566	2/11/1997	OSTEONICS CORP.
USA	5 766 252	6/16/1998	OSTEONICS CORP.
USA	5 766 261	6/16/1998	OSTEONICS CORP.
USA	5 702 477	12/30/1997	OSTEONICS CORP.
USA	5 704 941	1/6/1998	OSTEONICS CORP.
USA	5 788 700	8/4/1998	STRYKER CORPORATION
USA	5 769 856	6/23/1998	OSTEONICS CORP.
USA	5 690 638	11/25/1997	OSTEONICS CORP.
USA	5 824 100	10/20/1998	OSTEONICS CORP.
USA	5 769 854	6/23/1998	OSTEONICS CORP.

PATENTS AND PATENT APPLICATIONS ASSIGNED TO STRYKER

Country	Application No.	Filing Date	Patent No.
AU	55900/94	11/2/93	681362
CA	2,147,598	11/2/93	
US	08/479,666	6/7/95	5,652,337
US	08/901,200	7/28/97	
EP	94 90 1244.7	11/2/93	
US	08/480,528	6/7/95	5,652,118
JP	6-511392	11/2/93	
US	08/478,097	6/7/95	
AU	61570/96	6/6/96	
CA	2,223,292	6/6/96	
US	Not Yet Assigned	10/1/98	
EP	96 91 9162.6	6/6/96	
JP	09-501647	6/6/96	
AU	47951/93	7/29/93	678380
BR	PI 110735-4	5/9/97	
CA	2,141,555	7/29/93	
US	08/459,346	7/2/95	
US	08/889,419	7/8/97	
EP	93 91 8529.4	7/29/93	
HS	08/402,542	3/13/95	
JP	6-505462	7/29/93	
KR	700360/1995	7/29/93	
US	08/124,676	9/22/93	5,631,159
AU	80717/94	9/21/94	
CA	2170761	9/21/94	
EP	94 93 1761.4	9/21/94	

PATENTS AND PATENT APPLICATIONS ASSIGNED TO STRYKER

Country	Application No.	Filing Date	Patent No.
JP	7-509936	9/21/94	
US	08/143,497	10/25/93	5,585,237
AU	80859/94	10/21/94	685188
CA	2,171,759	10/21/94	
US	08/461,666	6/5/95	5,614,385
US	08/757,300	11/27/96	5,712,119
EP	94 93 1958.6	9/21/94	
JP	7-512727	10/21/94	
US	08/396,930	3/1/95	
AU	48689/96	2/14/96	
CA	2,214,314	2/14/96	
EP	96 90 4646.5	2/14/96	
JP	8-526289	2/14/96	
US	08/206,864	3/4/94	5,610,021
AU	63588/94	3/4/94	682176
CA	2,157,387	3/4/94	
EP	94 91 0830.2	3/4/94	
JP	6-520181	3/4/94	
US	08/253,398	6/3/94	
US	08/459,129	6/2/95	
AU	26919/95	6/2/95	
CA	2,191,584	6/2/95	
EP	95922126.8	6/2/95	
JP	8-501083	6/2/95	
WO	US95/06724	06/02/95	
US	08/458,811	6/2/95	
US	09/039,107	3/14/98	

PATENTS AND PATENT APPLICATIONS ASSIGNED TO STRYKER

Country	Application No.	Filing Date	Patent No.
WO	US98/09951	5/15/98	
US	60/103,161	10/7/98	
US	60/103,418	10/6/98	
US	08/822,186	3/20/97	
US	09/045,331	3/20/98	
WO	US98/06043	3/20/98	
US	09/019,339	2/5/98	
WO	US98/02159	2/5/98	
USA	60/078,028	3/14/98	
USA	579,865	09/07/90	
USA	621,849	12/04/90	
USA	315,342	04/30/91	
USA	621,988	12/04/90	
USA	660,162	02/22/91	
USA	569,920	08/20/90	
USA	600,024	10/18/90	
USA	599,543	10/18/90	
USA	616,374	11/21/90	
USA	483,913	02/22/90	
USA	529,852	05/29/90	
USA	PCT/US89/ 01453	04/07/89	
AU	35305/89	04/07/90	
CANADA	596,143	04/07/89	
EUROPE	89 904986.0	04/07/89	
JAPAN	504771/89	04/07/89	
USA	PCT/US89/014 69	04/07/89	

PATENTS AND PATENT APPLICATIONS ASSIGNED TO STRYKER

Country	Application No.	Filing Date	Patent No.
AU	34449/89	04/07/90	
CANADA	596,144	04/07/89	
EUROPE	89 904959.7	04/07/89	
JAPAN	Based on PCT/US89/01469	12/08/89	
USA	PCT/US90/00912	02/22/90	
AU	51747/90	02/22/90	
CANADA	2027259-7	10/10/90	
EUROPE	90 904002.4	02/22/90	
JAPAN	Based on PCT/US90/00912	10/16/90	
USA	PCT US90/05903	10/15/90	
USA	07/179,406	04/08/88	4,968,590
US	07,621,849	10/15/90	
CA	596,143	4/7/89	
CA	596,144	4/7/89	
CA	2,042,577-6	10/15/90	
US	08/103,604	8/6/93	
US	08/606,839	2/26/96	
US	07/232,630	8/15/88	
US	08/145,812	11/1/93	
US	07/810,560	12/20/91	
US	07/569,920	8/20/90	
US	07/600,024	10/18/90	
US	08/449,699	5/24/95	

PATENTS AND PATENT APPLICATIONS ASSIGNED TO STRYKER

Country	Application No.	Filing Date	Patent No.
US	08/449,700	5/23/95	
US	08/477,570	5/23/95	
EP	95 20 1872.9	4/7/89	
EP	89 90 4986.0	4/7/89	0 362 367
EP	96 20 044.4	4/7/89	
EP	89 90 4959.7	4/7/89	0,372,031
EP	90 91 6655.5	10/15/90	0 448 704
JP	8-34325	4/7/89	
JP	8-3435	4/7/89	
JP	504771/89	4/7/89	2522568
JP	7-263371	4/7/89	
JP	504777/89	4/7/89	
JP	515578/90	10/15/90	
WO	US89/01453	4/7/89	
WO	US89/01469	4/7/89	WO89/0978 8
WO	US90/05903	10/15/90	WO91/0580 2
WO	US91/07654	10/18/91	WO92/0700 4
US	08/375,901	1/20/95	
US	08/376,731	1/20/95	
US	08/417,071	4/4/95	
WO	US96/10377	6/7/96	
US	08/478,452	6/7/95	
CA	2,072,259-7	2/22/90	
EP	90 90 4002.4	2/22/90	0 411 105
JP	504059/90	2/22/90	

PATENTS AND PATENT APPLICATIONS ASSIGNED TO STRYKER

Country	Application No.	Filing Date	Patent No.
WO	US90/00912	2/22/90	
US	08/443,676	5/18/95	
CA	2,082,946-0	5/22/91	
JP	03-510269	5/22/91	
WO	US91/03603	2/22/91	WO91/1855 8
EP	91 91 1588.1	5/22/91	0 608 211
US	07/529,852	5/29/90	
AU	79614/91	5/22/91	639574
AU	89000/91	10/18/91	663,689
WO	US91/07635	10/18/91	WO92/0707 3
US	07/599,543	10/18/90	
EP	91 91 9612.1	10/18/91	
JP	03-518322	10/18/91	
CA	2,094,027	10/18/91	
CA	2,138,270	6/8/93	
EP	93 91 6449.7	6/8/93	
JP	6-501663	6/8/93	
WO	US93/05446	6/8/93	WO93/2524 6
DE	DE 525057	12/19/90	
ES	ES	12/19/90	
AU	AT	4/19/94	
US	535,276	4/19/94	5,702,394
DE	DE 503653	4/19/94	
ES	ES	4/19/94	
GR	GR	4/19/94	

PATENTS AND PATENT APPLICATIONS ASSIGNED TO STRYKER

Country	Application No.	Filing Date	Patent No.
IE	IE	4/19/94	
DE	DE 612 245	4/18/94	
US	535,279	10/19/95	5,741,254

Howmedica International, Ltd.	Country	Trademark	Registration Number	Registration Number	Status
Howmedica International, Ltd.	Austria	SURGICAL SIMPLEX	UNKNOWN	84371	Registered
Howmedica International, Ltd.	Benelux	MICROLOK	599277	320423	Registered
Howmedica International, Ltd.	Benelux	SURGICAL SIMPLEX	519930	22175	Registered
Howmedica International, Ltd.	Denmark	SURGICAL SIMPLEX	2645/76	3413/77	Registered
Howmedica International, Ltd.	France	MICROLOK	676177	1252288	Registered
Howmedica International, Ltd.	Germany	LUHR	UNKNOWN	1112690	Registered
Howmedica International, Ltd.	Germany	MICROLOK	H 13650/10WZ	946216	Registered
Howmedica International, Ltd.	Greece	SURGICAL SIMPLEX		56760	Registered
Howmedica International, Ltd.	Ireland, Republic of	SURGICAL SIMPLEX P	UNKNOWN	B79417	Registered
Howmedica International, Ltd.	Italy	MICROLOK	MI93C005946	675631	Registered
Howmedica International, Ltd.	Italy	SURGICAL SIMPLEX	UNKNOWN	334400	Registered
Howmedica International, Ltd.	Japan	MICROLOK	137919/1973	1391771	Registered
Howmedica International, Ltd.	Norway	SURGICAL SIMPLEX		102611	Registered
Howmedica International, Ltd.	Portugal	SURGICAL SIMPLEX	191716	191716	Registered
Howmedica International, Ltd.	Spain	SIMPLEX- PENTOCRYL	UNKNOWN	250454	Registered
Howmedica International, Ltd.	Spain	SURGICAL SIMPLEX	UNKNOWN	818037	Ren ins
Howmedica International, Ltd.	Sweden	SURGICAL SIMPLEX	77-2399	162108	Registered
Howmedica International, Ltd.	Switzerland	SIMPLEX- PENTOCRYL	UNKNOWN	394751	Registered
Howmedica International, Ltd.	Switzerland	SURGICAL SIMPLEX	UNKNOWN	282488	Registered
Howmedica International, Ltd.	Syria	SIMPLEX- PENTOCRYL	3172	12858	Registered
Howmedica International, Ltd.	Turkey	SURGICAL SIMPLEX	UNKNOWN	56106	Registered
Howmedica International, Ltd.	United Kingdom	MICROLOK	1013655	B1013655	Registered
Howmedica International, Ltd.	United Kingdom	SURGICAL SIMPLEX P	950574	B950574	Registered

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HOWMEDICA (UK) LIMITED TRADEMARKS
(now Howmedica International Limited)

Owner	Country	Trademark	Application No.	Registration No.	Status
Howmedica (UK) Ltd.	United Kingdom	ORTHINOX	1196875	1196875	Registered
Howmedica (UK) Ltd.	United Kingdom	ORTHINOX	1196876	1196876	Registered

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HOWMEDICA INC. TRADEMARKS

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Schedule A

Applicant	Country	Trademark	Application Number	Registration Number	Status
Howmedica Inc.	Algeria	VITALLIUM	1548	45295	Registered
Howmedica Inc.	Algeria	VITALLIUM & DESIGN	1189	37829	Registered
Howmedica Inc.	Argentina	ABG	1804746	1525000	Registered
Howmedica Inc.	Argentina	BONESOURCE	2003414		Pending
Howmedica Inc.	Argentina	GAMMA	1806211	1456311	Registered
Howmedica Inc.	Argentina	GROSSE AND KEMPF	1804748	1455055	Registered
Howmedica Inc.	Argentina	HOWMEDICA	1451200	1641296	Registered
Howmedica Inc.	Argentina	KINEMAX	1804751	1550688	Registered
Howmedica Inc.	Argentina	P.C.A.	1804754	1455060	Registered
Howmedica Inc.	Argentina	VITALLIUM	UNKNOWN	1639960	Registered
Howmedica Inc.	Argentina	VITALLIUM	1486561	1339239	Registered
Howmedica Inc.	Argentina	VITALLIUM & DESIGN	1743206	1393563	Registered
Howmedica Inc.	Argentina	VITALLIUM AND DESIGN	1750153	1399088	Registered
Howmedica Inc.	Australia	ABG	623354	A623354	Registered
Howmedica Inc.	Australia	ARTISAN	717437	717437	Registered
Howmedica Inc.	Australia	BONESOURCE	673508	673508	Registered
Howmedica Inc.	Australia	CHIRODRIVE	740891	740891	Registered
Howmedica Inc.	Australia	CITATION	705091	705091	Registered
Howmedica Inc.	Australia	COMMAND	636275	636275	Registered
Howmedica Inc.	Australia	CRYSTALCOAT	588480	A588480	Registered
Howmedica Inc.	Australia	DEFINITION	636376	636276	Registered
Howmedica Inc.	Australia	DURACON	578352	578352	Registered
Howmedica Inc.	Australia	DURATION	628566	A628566	Registered
Howmedica Inc.	Australia	EVOLUTION P.C.A.	620849	620849	Registered
Howmedica Inc.	Australia	FIRSTSTEP	612540	612540	Registered
Howmedica Inc.	Australia	GAMMA LOCKING NAIL & DESIGN	484232	A484232	Registered
Howmedica Inc.	Australia	HOWMEDICA	420433	A420433	Registered
Howmedica Inc.	Australia	HOWMEDICA MONOTUBE	557123	A557123	Ren ins
Howmedica Inc.	Australia	INTERAX	570266	A570266	Registered
Howmedica Inc.	Australia	KINEMATIC	421346	A421346	Registered
Howmedica Inc.	Australia	MERIDIAN	636277	636277	Registered
Howmedica Inc.	Australia	ORTHINOX	409007	A409007	Registered
Howmedica Inc.	Australia	P.C.A.	421347	B421347	Registered
Howmedica Inc.	Australia	P.C.A.	654494	654494	Registered
Howmedica Inc.	Australia	PC/DOCTOR	749519	749519	Registered
Howmedica Inc.	Australia	PERI-APATITE	626354	626354	Registered
Howmedica Inc.	Australia	PRECISION OSTEOLOCK	618825	B618825	Registered

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HOWMEDICA INC. TRADEMARKS

Applicant	Country	Trademark	Application Number	Registration Number	Status
Howmedica Inc.	Australia	RELIANCE	636278	636278	Registered
Howmedica Inc.	Australia	SURGICAL SIMPLEX	425986	A425986	Registered
Howmedica Inc.	Australia	VITALLIUM	UNKNOWN	A169285	Registered
Howmedica Inc.	Australia	VITALLIUM & DESIGN	UNKNOWN	A105917	Registered
Howmedica Inc.	Australia	VITALLIUM AND SHIELD DESIGN	A105.917	A169286	Registered
Howmedica Inc.	Australia	VITALLIUM SHIELD DESIGN	UNKNOWN	A69885	Registered
Howmedica Inc.	Australia	X-CHANGE	623462	623462	Registered
Howmedica Inc.	Australia	XIA			Instructed
Howmedica Inc.	Australia	XIA			Instructed
Howmedica Inc.	Australia	ZETA MULTIZONE LOCKING NAIL SYSTEM	773290		Pending
Howmedica Inc.	Austria	CHIRODRIVE	AM5518/97	173422	Registered
Howmedica Inc.	Austria	COMMAND	AM3796/94	158042	Registered
Howmedica Inc.	Austria	DEFINITION	AM3797/94	156228	Registered
Howmedica Inc.	Austria	DURATION	AM2242/94	153460	Registered
Howmedica Inc.	Austria	H LOGO	AM729/93	147747	Registered
Howmedica Inc.	Austria	MERIDIAN	AM3798/94	157693	Registered
Howmedica Inc.	Austria	ORTHINOX	AM 103184	106805	Registered
Howmedica Inc.	Austria	VITALLIUM		10571	Registered
Howmedica Inc.	Austria	XIA	AM6131/98		Pending
Howmedica Inc.	Austria	XIA			Instructed
Howmedica Inc.	Austria	ZETA MULTIZONE LOCKING NAIL SYSTEM	AM5869/98		Pending
Howmedica Inc.	Benelux	ABG	76862	549460	Registered
Howmedica Inc.	Benelux	ARTISAN	80148	586351	Registered
Howmedica Inc.	Benelux	BONESOURCE	856492	583958	Registered
Howmedica Inc.	Benelux	CHIRODRIVE	897542	616923	Registered
Howmedica Inc.	Benelux	COMMAND	77705	555011	Registered
Howmedica Inc.	Benelux	CRYSTALCOAT	74441	524967	Registered
Howmedica Inc.	Benelux	DEFINITION	77706	555664	Registered
Howmedica Inc.	Benelux	DURACON PA	79775	577266	Registered
Howmedica Inc.	Benelux	DURATION	77285	554907	Registered
Howmedica Inc.	Benelux	EVOLUTION P.C.A.	76598	544907	Registered
Howmedica Inc.	Benelux	FIRSTSTEP	76210	539284	Registered
Howmedica Inc.	Benelux	GAMMA	62624	446156	Registered
Howmedica Inc.	Benelux	H LOGO	75/062	528954	Registered
Howmedica Inc.	Benelux	HOWMEDICA MONOTUBE	71983	495404	Registered

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HOWMEDICA INC. TRADEMARKS

Applicant	Country	Trademark	Serial Number	Registration Number	Status
Howmedica Inc.	Benelux	INTERAX	72954	504666	Registered
Howmedica Inc.	Benelux	JADE	74513	522656	Registered
Howmedica Inc.	Benelux	LUHR	935017	417661	Registered
Howmedica Inc.	Benelux	MERIDIAN	77708	555463	Registered
Howmedica Inc.	Benelux	ORTHINOX	51315	399716	Registered
Howmedica Inc.	Benelux	PARTNERSHIP	79/619	580609	Registered
Howmedica Inc.	Benelux	PC/DOCTOR	904184		Pending
Howmedica Inc.	Benelux	PC/RADSCAN	904183		Pending
Howmedica Inc.	Benelux	PCA	53356	410015	Registered
Howmedica Inc.	Benelux	PORTO-VAC	18480	74638	Registered
Howmedica Inc.	Benelux	RELIANCE	77707	555012	Registered
Howmedica Inc.	Benelux	SPHEROLOCK	68459	475403	Registered
Howmedica Inc.	Benelux	TRITANIUM	79103	570912	Registered
Howmedica Inc.	Benelux	VITALLIUM	20840	85522	Registered
Howmedica Inc.	Benelux	VITALLIUM (DEVICE)	21403	876326	Registered
Howmedica Inc.	Benelux	XIA	924043		Pending
Howmedica Inc.	Benelux	ZETA MULTIZONE LOCKING NAIL SYSTEM	923238		Pending
Howmedica Inc.	Bolivia	ABG	9766	54152-C	Registered
Howmedica Inc.	Bolivia	CENTRAX	9767	54153-C	Registered
Howmedica Inc.	Bolivia	GAMMA LOCKING NAIL DESIGN	9764	54155-C	Registered
Howmedica Inc.	Bolivia	GROSSE AND KEMPF	9763	54156-C	Registered
Howmedica Inc.	Bolivia	KINEMAX	9761	54158-C	Registered
Howmedica Inc.	Bolivia	P.C.A.	9758	54161-C	Registered
Howmedica Inc.	Bolivia	V IN SHIELD DESIGN		C-31.736	Registered
Howmedica Inc.	Bolivia	VITALLIUM & DESIGN	UNKNOWN	40985A	Registered
Howmedica Inc.	Brazil	BONESOURCE	818845970	818845970	Registered
Howmedica Inc.	Brazil	CRYSTALCOAT	816967946	816967946	Registered
Howmedica Inc.	Brazil	GAMMA LOCKING NAIL AND DESIGN	816283249	816283249	Registered
Howmedica Inc.	Brazil	GROSSE AND KEMPF	816453241	816453241	Registered
Howmedica Inc.	Brazil	HOWMEDICA	811996280	811996280	Registered
Howmedica Inc.	Brazil	HOWMEDICA	811996298	811996298	Registered
Howmedica Inc.	Brazil	HOWMEDICA MONOTUBE	816453284	816453284	Registered
Howmedica Inc.	Brazil	KINEMAX	816453276	816453276	Registered
Howmedica Inc.	Brazil	P.C.A.	816283230	816283230	Registered
Howmedica Inc.	Brazil	PORTO VAC	19333	6453457	Registered
Howmedica Inc.	Brazil	SURGICAL SIMPLEX	15062	6549209	Registered

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HOWMEDICA INC. TRADEMARKS

Applicant	Country	Trademark	Application Number	Registration Number	Status
Howmedica Inc.	Brazil	V IN SHIELD DESIGN	18578	6726887	Ren ins
Howmedica Inc.	Brazil	VITALLIUM AND DESIGN	352208	3074846	Registered
Howmedica Inc.	Brazil	VITALLIUM AND DESIGN	219253	2201968	Registered
Howmedica Inc.	Bulgaria	CHIRODRIVE	40131		Pending
Howmedica Inc.	Canada	BONESOURCE	793380		Pending
Howmedica Inc.	Canada	CHIRODRIVE	851169		Pending
Howmedica Inc.	Canada	CITATION	810928		Pending
Howmedica Inc.	Canada	DURATION	754052	486271	Registered
Howmedica Inc.	Canada	E-SERIES HIP SYSTEM	853048		Pending
Howmedica Inc.	Canada	EXTRADRIVE	747568	444677	Registered
Howmedica Inc.	Canada	FIRSTSTEP	739187	475403	Registered
Howmedica Inc.	Canada	GAMMA	606226	398856	Registered
Howmedica Inc.	Canada	GAMMA LOCKING NAIL	606230	402912	Pending
Howmedica Inc.	Canada	HOWMEDICA	492156	319514	Registered
Howmedica Inc.	Canada	HOWMEDICA & DEVICE	450122	264149	Registered
Howmedica Inc.	Canada	HOWMEDICA MONOTUBE	687723	439679	Registered
Howmedica Inc.	Canada	INTERAX	698541	425569	Registered
Howmedica Inc.	Canada	LUHR	749527	478008	Registered
Howmedica Inc.	Canada	ORTHINOX	527361	307673	Registered
Howmedica Inc.	Canada	PERJ-APATITE	749528		Pending
Howmedica Inc.	Canada	PRECISION OSTEOLOCK	744801	TMA442148	Registered
Howmedica Inc.	Canada	SIMPLEX	490367	319261	Registered
Howmedica Inc.	Canada	VITALLIUM	210420	160NS40956	Registered
Howmedica Inc.	Canada	VITALLIUM & Shield Design	210421	160NS40957	Registered
Howmedica Inc.	Canada	ZIPANCHOR	842132		Pending
Howmedica Inc.	Chile	HOWMEDICA	36799	433897	Registered
Howmedica Inc.	Chile	HOWMEDICA	36.798	433896	Registered
Howmedica Inc.	Chile	PORTO-VAC	17681	305392	Registered
Howmedica Inc.	Chile	SURGICAL SIMPLEX	22984	318705	Ren ins
Howmedica Inc.	Chile	V IN SHIELD DESIGN	17680	458233	Registered
Howmedica Inc.	Chile	VITALLIUM & DESIGN	5783	391706	Registered
Howmedica Inc.	China	ABG	9700111909		Pending
Howmedica Inc.	China	EXETER	9700111932		Pending
Howmedica Inc.	China	HOWMEDICA	9700111929		Pending
Howmedica Inc.	China	HOWMEDICA in Chinese	9700111931		Pending
Howmedica Inc.	China	KINEMAX PLUS	9700111913		Pending
Howmedica Inc.	China	MERIDIAN ST	9700111930		Pending

Owner	Country	Trademark	Application Number	Registration Number	Status
Howmedica Inc.	China	MONOGRAM	9700111912		Pending
Howmedica Inc.	China	SIMPLEX P	9700111911		Pending
Howmedica Inc.	China	VITALOCK	9700111910		Pending
Howmedica Inc.	Colombia	ABG	341842	152197	Registered
Howmedica Inc.	Colombia	BONESOURCE	48458	183725	Registered
Howmedica Inc.	Colombia	GAMMA	342021	147109	Registered
Howmedica Inc.	Colombia	GROSSE AND KEMPF	342024	160623	Registered
Howmedica Inc.	Colombia	HOWMEDICA	203956	2602	Registered
Howmedica Inc.	Colombia	HOWMEDICA MONOTUBE	342022	147110	Registered
Howmedica Inc.	Colombia	KINEMATIC	241548	116729	Registered
Howmedica Inc.	Colombia	KINEMAX	341841	153713	Registered
Howmedica Inc.	Colombia	P.C.A.	341838	153710	Registered
Howmedica Inc.	Colombia	PORTO-VAC	352807	147126	Registered
Howmedica Inc.	Colombia	SIMPLEX	95050717	184262	Registered
Howmedica Inc.	Colombia	SURGICAL SIMPLEX	286620	130076	Registered
Howmedica Inc.	Colombia	VITALLIUM & Design		11233	Ren ins
Howmedica Inc.	Costa Rica	SURGICAL SIMPLEX	None	50961	Registered
Howmedica Inc.	Costa Rica	VITALLIUM & DESIGN		13895	Registered
Howmedica Inc.	Czech Republic	ABG	60943	179052	Registered
Howmedica Inc.	Czech Republic	CHIRODRIVE	126070		Pending
Howmedica Inc.	Czech Republic	DURACON	68685/92	175074	Registered
Howmedica Inc.	Czech Republic	EXETER	60941	170851	Registered
Howmedica Inc.	Czech Republic	GROSSE/KEMPF	60940	170850	Registered
Howmedica Inc.	Czech Republic	HOWMEDICA MONOTUBE	170854	170854	Registered
Howmedica Inc.	Czech Republic	HOWMEDICA P.C.A.	97888	191587	Registered
Howmedica Inc.	Czech Republic	KINEMATIC	60946	170853	Registered
Howmedica Inc.	Czech Republic	KINEMAX	60945	170852	Registered
Howmedica Inc.	Czech Republic	LUHR		173882	Registered
Howmedica Inc.	Czech Republic	R. ROY-CAMILLE	11346	173402	Registered
Howmedica Inc.	Czech Republic	SURGICAL SIMPLEX	UNKNOWN	173822	Registered
Howmedica Inc.	Czech Republic	VITALLIUM	UNKNOWN	173821	Registered
Howmedica Inc.	Czech Republic	VITALLIUM	UNKNOWN	96283	Registered
Howmedica Inc.	Denmark	BONESOURCE	7346	7344/1995	Registered
Howmedica Inc.	Denmark	CHIRODRIVE	4928/1997	VR19980249 1	Registered
Howmedica Inc.	Denmark	COMMAND	5320/94	2296/95	Registered
Howmedica Inc.	Denmark	CRYSTALCOAT	8020/92	5570/94	Registered

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HOWMEDICA INC. TRADEMARKS

Applicant	Country	Trademark	Registration No.	Priority No.	Status
Howmedica Inc.	Denmark	DEFINITION	5321/94	6759/94	Registered
Howmedica Inc.	Denmark	EVOLUTION P.C.A.	575/94	2892/94	Registered
Howmedica Inc.	Denmark	EXTRADRIVE POWER SYSTEM	533/94	5059/94	Registered
Howmedica Inc.	Denmark	GAMMA	2104/88	6268/91	Registered
Howmedica Inc.	Denmark	GAMMA LOCKING NAIL (DEVICE)	2103/88	6267/91	Registered
Howmedica Inc.	Denmark	JADE	6345/93	4490/94	Registered
Howmedica Inc.	Denmark	MERIDIAN	5322/94	6760/94	Registered
Howmedica Inc.	Denmark	PCA (DEVICE)	7940/87	6983/89	Registered
Howmedica Inc.	Denmark	PORTO-VAC	2256/68	2014/69	Registered
Howmedica Inc.	Denmark	PRECISION OSTEOLOCK	8327/93	2480/94	Registered
Howmedica Inc.	Denmark	RELIANCE	5323/94	633/95	Registered
Howmedica Inc.	Denmark	SPHEROLOCK	7711/89	570/91	Registered
Howmedica Inc.	Denmark	VITALLIUM	1532/35	1238/35	Registered
Howmedica Inc.	Denmark	XIA	VA199804293		Pending
Howmedica Inc.	Denmark	XIA			Instructed
Howmedica Inc.	Denmark	ZETA MULTIZONE LOCKING NAIL SYSTEM	VA199804388		Pending
Howmedica Inc.	Dominican Rep.	HOWMEDICA	None	40761	Registered
Howmedica Inc.	Dominican Rep.	VITALLIUM & DESIGN		7029	Registered
Howmedica Inc.	Ecuador	ABG	26206/91	779/92	Registered
Howmedica Inc.	Ecuador	GAMMA LOCKING NAIL & DESIGN	26299/91	829/92	Registered
Howmedica Inc.	Ecuador	GROSSE AND KEMPF	26204/91	777/92	Registered
Howmedica Inc.	Ecuador	HOWMEDICA	4839/84	11511/85	Registered
Howmedica Inc.	Ecuador	HOWMEDICA MONOTUBE	26202/91	775/92	Registered
Howmedica Inc.	Ecuador	KINEMAX	26201/91	774/92	Registered
Howmedica Inc.	Ecuador	P.C.A.	26209/91	781/92	Registered
Howmedica Inc.	Ecuador	PORTO-VAC	1160	175/77	Registered
Howmedica Inc.	Ecuador	SURGICAL SIMPLEX	589	2462/76	Registered
Howmedica Inc.	Ecuador	V	1159	1159/76	Registered
Howmedica Inc.	Egypt	DURACON	83131	83131	Registered
Howmedica Inc.	Egypt	HOWMEDICA MONOTUBE	84438	84438	Registered
Howmedica Inc.	Egypt	P.C.A.	65612	65612	Registered
Howmedica Inc.	Egypt	VITALLIUM AND DESIGN	10495	10495	Registered
Howmedica Inc.	European Community	CORES	286799	286799	Registered
Howmedica Inc.	European Community	HOWMEDICA	340828	340828	Registered

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HOWMEDICA INC. TRADEMARKS

Applicant	Country	Trademark	Application Number	Registration Number	Status
Howmedica Inc.	European Community	MORGAN	287102		Pending
Howmedica Inc.	European Community	XIA			Instructed
Howmedica Inc.	Finland	EVOLUTION P.C.A.	315/94	140580	Registered
Howmedica Inc.	Finland	PCA	1391/85	101791	Registered
Howmedica Inc.	Finland	VITALLIUM	464/76	15132	Registered
Howmedica Inc.	Finland	XIA	T799803185		Pending
Howmedica Inc.	Finland	XIA	T799803185		Pending
Howmedica Inc.	Finland	ZETA MULTIZONE LOCKING NAIL SYSTEM	T199803056		Pending
Howmedica Inc.	France	ABG	94/508855	94508855	Registered
Howmedica Inc.	France	ARTISAN	96/626593	96626593	Registered
Howmedica Inc.	France	BONESOURCE	95/592544	95/592544	Registered
Howmedica Inc.	France	CHIRODRIVE	97/687922	97687922	Registered
Howmedica Inc.	France	COMMAND	95/558993	95558993	Registered
Howmedica Inc.	France	CORES	96/620970	96620970	Registered
Howmedica Inc.	France	CRYSTALCOAT	92/438832	92438832	Registered
Howmedica Inc.	France	DEDICACE	97/701231	97701231	Registered
Howmedica Inc.	France	DEFINITION	94/533401	94533401	Registered
Howmedica Inc.	France	DURACON PA	95/585336	95585336	Registered
Howmedica Inc.	France	DURATION	94/518139	94518139	Registered
Howmedica Inc.	France	E.P.I.C.	322547	1727853	Registered
Howmedica Inc.	France	EVOLUTION P.C.A.	94/502190	94502190	Registered
Howmedica Inc.	France	EXTRADRIVE	94/503565	94503565	Registered
Howmedica Inc.	France	FIRSTSTEP	93/486428	93486428	Registered
Howmedica Inc.	France	GAMMA LOCKING NAIL & DESIGN	925675	1484166	Registered
Howmedica Inc.	France	GREENWICH MERIDIAN	31088	1664965	Registered
Howmedica Inc.	France	H LOGO	93/465578	93465578	Registered
Howmedica Inc.	France	H LOGO	93/465585	93465585	Registered
Howmedica Inc.	France	H LOGO	93/465579	93465579	Registered
Howmedica Inc.	France	HERITAGE	96/620972	96620972	Registered
Howmedica Inc.	France	HOWMEDICA	93/461863	93461863	Registered
Howmedica Inc.	France	HOWMEDICA MONOTUBE	293200	1672694	Registered
Howmedica Inc.	France	HOWMEDICA TRAUMA SOLUTIONS AND	299186	1707105	Registered
Howmedica Inc.	France	INSTITUT HOWMEDICA	93/461866	93461866	Registered
Howmedica Inc.	France	INTERAX	327471	1714085	Registered
Howmedica Inc.	France	JADE	92/440905	92440905	Registered

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HOWMEDICA INC. TRADEMARKS

Applicant	Country	Trademark	Application Number	Registration Number	Status
Howmedica Inc.	France	JADE	96/620973	96620973	Registered
Howmedica Inc.	France	MERIDIAN	96/614951	96614951	Registered
Howmedica Inc.	France	MORGAN	96/620971		Pending
Howmedica Inc.	France	ORTHINOX	698717	1267722	Registered
Howmedica Inc.	France	OSTILIT	322548	1721061	Registered
Howmedica Inc.	France	P.C.A.	92444031	92444031	Registered
Howmedica Inc.	France	P.C.A.	92438519	92438519	Registered
Howmedica Inc.	France	PARTNERSHIP	95/585335	95585335	Registered
Howmedica Inc.	France	PCA	742713	1308522	Registered
Howmedica Inc.	France	PERI-APATITE	94/508356	94508356	Registered
Howmedica Inc.	France	PORTO-VAC	95/570571	95570571	Registered
Howmedica Inc.	France	PRECISION OSTEOLOCK	94/501335	94501335	Registered
Howmedica Inc.	France	RELIANCE	94/533400	94533400	Registered
Howmedica Inc.	France	SPHEROLOCK	164165	1557554	Registered
Howmedica Inc.	France	SURGICAL SIMPLEX	219603	1354656	Registered
Howmedica Inc.	France	TRIAx	97/662014	97662014	Registered
Howmedica Inc.	France	TRITANIUM	95/566742	95566742	Registered
Howmedica Inc.	France	VITALLIUM (VIGNETTE)	562782	1593583	Registered
Howmedica Inc.	France	XIA			Instructed
Howmedica Inc.	France	ZETA MULTIZONE LOCKING NAIL SYSTEM	98/750403		Pending
Howmedica Inc.	Germany	ARTISAN	39548061/4		Pending
Howmedica Inc.	Germany	BONESOURCE	39540060/0	39540060	Registered
Howmedica Inc.	Germany	CHIRODRIVE	39733443/5	39733443	Registered
Howmedica Inc.	Germany	COMMAND	H73092/10	2910001	Registered
Howmedica Inc.	Germany	DEFINITION	H73095/10	2910003	Registered
Howmedica Inc.	Germany	DUO-DRIV	H 29157/10WZ	846914/10	Ren ins
Howmedica Inc.	Germany	DURACON	P42768/10WZ	2048139	Registered
Howmedica Inc.	Germany	DURACON PA	39533788/7	39533788	Registered
Howmedica Inc.	Germany	DURATION	H72221/10WZ	2907949	Registered
Howmedica Inc.	Germany	EPIC	P42265/10WZ	2057296	Registered
Howmedica Inc.	Germany	EVOLUTION P.C.A.	H71436/10WZ	2100098	Registered
Howmedica Inc.	Germany	EXTRADRIVE	H71403/10WZ	2085551	Registered
Howmedica Inc.	Germany	FIRSTSTEP	H70618/10WZ	2098980	Registered
Howmedica Inc.	Germany	GAMMALOCK	P36373/10WZ	1130037	Ren ins
Howmedica Inc.	Germany	H LOGO	H69260/10WZ	2059410	Registered
Howmedica Inc.	Germany	H LOGO (BLACK ON WHITE)	H69624/10WZ	2066375	Registered
Howmedica Inc.	Germany	H LOGO (WHITE ON	H69625/10WZ	2065839	Registered

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HOWMEDICA INC. TRADEMARKS

OWNER	COUNTRY	MARK	CLASS	REG. NO.	STATUS
		BLACK)			
Howmedica Inc.	Germany	HOWMEDICA	P41768/10WZ	2043941	Registered
Howmedica Inc.	Germany	HOWMEDICA CRYSTALCOAT	H68580/10WZ	2098989	Registered
Howmedica Inc.	Germany	HOWMEDICA MONOTUBE	P40999/10WZ	2008109	Registered
Howmedica Inc.	Germany	HOWMEDICA PCA	P32698/10WZ	1086638	Registered
Howmedica Inc.	Germany	INTERAX	P42255/10WZ	2050230	Registered
Howmedica Inc.	Germany	KINEMAX	P41000/10WZ	2032094	Registered
Howmedica Inc.	Germany	MERIDIAN	H73094/10	2910002	Registered
Howmedica Inc.	Germany	ORTHINOX	H 52583/10WZ	1075262	Registered
Howmedica Inc.	Germany	PERI-APATITE	H71 693/10WZ	2092200	Registered
Howmedica Inc.	Germany	PORTO-VAC	H 31664/10WZ	862696	Registered
Howmedica Inc.	Germany	PRECISION OSTEOLOCK	H71010/10WZ	2083053	Registered
Howmedica Inc.	Germany	R. ROY-CAMILLE	P41803/10WZ	2022612	Registered
Howmedica Inc.	Germany	RELIANCE	H73093/10	2098102	Registered
Howmedica Inc.	Germany	SPHEROLOCK	38651/10	1161257	Registered
Howmedica Inc.	Germany	SURGICAL SIMPLEX	H 41773/5WZ	959782	Registered
Howmedica Inc.	Germany	TRIAx	39625914/6	39625914	Registered
Howmedica Inc.	Germany	TRITANIUM	39517275/6	39517275	Registered
Howmedica Inc.	Germany	VITALLIUM	A 1682/10WZ	680925	Registered
Howmedica Inc.	Germany	VITALLIUM	UNKNOWN	655618	Registered
Howmedica Inc.	Germany	VITALLIUM	H 25861/10WZ	460876	Registered
Howmedica Inc.	Germany	XIA	39856450.7		Pending
Howmedica Inc.	Germany	ZETA MULTIZONE LOCKING NAIL SYSTEM	398543186		Pending
Howmedica Inc.	Greece	COMMAND	120383	120383	Registered
Howmedica Inc.	Greece	DEFINITION	120384	120384	Registered
Howmedica Inc.	Greece	JADE	116181	116181	Registered
Howmedica Inc.	Greece	MERIDIAN	120385	120385	Registered
Howmedica Inc.	Greece	P.C.A.	79849	79849	Registered
Howmedica Inc.	Greece	RELIANCE	120386	120386	Registered
Howmedica Inc.	Greece	SPHEROLOCK	96164	96164	Registered
Howmedica Inc.	Greece	VITALLIUM	UNKNOWN	19305	Registered
Howmedica Inc.	Greece	VITALLIUM	UNKNOWN	19304	Registered
Howmedica Inc.	Greece	XIA			Instructed
Howmedica Inc.	Greece	XIA	138461		Pending
Howmedica Inc.	Greece	ZETA MULTIZONE LOCKING NAIL SYSTEM	138320		Pending
Howmedica Inc.	Guatemala	HOWMEDICA	1870	9701870	Registered

HOWMEDICA INC. TRADEMARKS

Applicant	Country	Trademark	Application No.	Registration No.	Status
NAME	COUNTRY	MARK	NO.	NO.	

		INTERNATIONAL			
Howmedica Inc.	Guatemala	HOWMEDICAL INTERNATIONAL	1869	9701611	Registered
Howmedica Inc.	Guatemala	VITALLIUM & DESIGN		7551/350/28	Registered
Howmedica Inc.	Hong Kong	COMMAND	9409032	715/19	Registered
Howmedica Inc.	Hong Kong	DEFINITION	9409031	4854/1996	Registered
Howmedica Inc.	Hong Kong	DURACON	92/11526	415/1994	Registered
Howmedica Inc.	Hong Kong	GAMMA LOCKING NAIL & DEVICE	92/10136	1623/1995	Registered
Howmedica Inc.	Hong Kong	HOWMEDICA	2635/84	B1050/87	Registered
Howmedica Inc.	Hong Kong	HOWMEDICA ABG	95/05834	5168/1997	Registered
Howmedica Inc.	Hong Kong	MERIDIAN	9409030	1833/1996	Registered
Howmedica Inc.	Hong Kong	P.C.A.	463/87	B348/1992	Registered
Howmedica Inc.	Hong Kong	PORTO-VAC	309/85	882/1987	Registered
Howmedica Inc.	Hong Kong	RELIANCE	9409029	B9223/1998	Registered
Howmedica Inc.	Hong Kong	VITALLIUM	2731/84	1839/85	Registered
Howmedica Inc.	Hong Kong	VITALLIUM & DESIGN	2731A/84	1840/85	Registered
Howmedica Inc.	Hungary	ABG	1458/91	H133109	Registered
Howmedica Inc.	Hungary	AKZ	2646/91	133416	Registered
Howmedica Inc.	Hungary	CHIRODRIVE	M9703737	153735	Registered
Howmedica Inc.	Hungary	DURACON	M92/02635	135480	Registered
Howmedica Inc.	Hungary	EXETER	1457/91	H133110	Registered
Howmedica Inc.	Hungary	GAMMA & DESIGN	M9403365	145240	Registered
Howmedica Inc.	Hungary	GROSSE/KEMPF	1456/91	H133111	Registered
Howmedica Inc.	Hungary	HOFFMANN	1455/91		Pending
Howmedica Inc.	Hungary	HOWMEDICA MONOTUBE	1454/91	H133112	Registered
Howmedica Inc.	Hungary	KINEMATIC	1452/91	H133114	Registered
Howmedica Inc.	Hungary	KINEMAX	1453/91	H133113	Registered
Howmedica Inc.	Hungary	P.C.A.	2644/91	133415	Registered
Howmedica Inc.	Hungary	SURGICAL SIMPLEX	1451/91	133115	Registered
Howmedica Inc.	Hungary	VITALLIUM	UNKNOWN	118139	Registered
Howmedica Inc.	Ireland	VITALLIUM	UNKNOWN	126/1959	Registered
Howmedica Inc.	India	ABG	666970		Pending
Howmedica Inc.	India	COMMAND	640582		Pending
Howmedica Inc.	India	DEFINITION	640861		Pending
Howmedica Inc.	India	HOWMEDICA	UNKNOWN	406907B	Registered
Howmedica Inc.	India	MERIDIAN	650581		Pending
Howmedica Inc.	India	RELIANCE	640583		Pending

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HOWMEDICA INC. TRADEMARKS

Owner	Country	Trademark	Application Number	Registration Number	Status
Howmedica Inc.	Iran	VITALLIUM & DESIGN		10157	Registered
Howmedica Inc.	Ireland, Republic of	ARTISAN	95/7734	172585	Registered
Howmedica Inc.	Ireland, Republic of	ASNIS			Instructed
Howmedica Inc.	Ireland, Republic of	BWM			Instructed
Howmedica Inc.	Ireland, Republic of	CENTRAX			Instructed
Howmedica Inc.	Ireland, Republic of	CHIRODRIVE	97/2757		Pending
Howmedica Inc.	Ireland, Republic of	COMMAND	94/5076	161882	Registered
Howmedica Inc.	Ireland, Republic of	CRYSTALCOAT	92/5898	149903	Registered
Howmedica Inc.	Ireland, Republic of	DEFINITION	94/5077	163335	Registered
Howmedica Inc.	Ireland, Republic of	DOMINO			Instructed
Howmedica Inc.	Ireland, Republic of	DURACON	92/2600	147671	Registered
Howmedica Inc.	Ireland, Republic of	DURACON PA		167427	Registered
Howmedica Inc.	Ireland, Republic of	DURATION	94/3040	161575	Registered
Howmedica Inc.	Ireland, Republic of	EVOLUTION P.C.A.	94/0486	159409	Registered
Howmedica Inc.	Ireland, Republic of	EXTRADRIVE AND DESIGN	94/0966	160386	Registered
Howmedica Inc.	Ireland, Republic of	EXTRADRIVE POWER SYSTEM & Design	94/0965	160387	Registered
Howmedica Inc.	Ireland, Republic of	FIRSTSTEP	93/4861	158438	Registered
Howmedica Inc.	Ireland, Republic of	GROSSE & KEMPF			Instructed
Howmedica Inc.	Ireland, Republic of	H LOGO	93/0841	156455	Registered
Howmedica Inc.	Ireland, Republic of	HOWMEDICA	95/8768	173435	Registered
Howmedica Inc.	Ireland, Republic of	HOWMEDICA	95/8769	173436	Registered
Howmedica Inc.	Ireland, Republic of	HOWMEDICA & DYNAMIC W/DESIGN	849/80	B100893	Registered
Howmedica Inc.	Ireland, Republic of	HOWMEDICA BONE-DRY			Instructed
Howmedica Inc.	Ireland, Republic of	HOWMEDICA MIX-KIT			Instructed
Howmedica Inc.	Ireland, Republic of	HOWMEDICA	91/3401	161470	Registered

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Applicant	Country of Origin	Trademark	Application No.	Registration No.	Status
	of	MONOTUBE			
Howmedica Inc.	Ireland, Republic of	HOWMEDICA UNIVERSAL			Instructed
Howmedica Inc.	Ireland, Republic of	INTERAX	92/0202	149149	Registered
Howmedica Inc.	Ireland, Republic of	JADE	93/4862	157088	Registered
Howmedica Inc.	Ireland, Republic of	KINEMATIC			Instructed
Howmedica Inc.	Ireland, Republic of	KINEMAX			Instructed
Howmedica Inc.	Ireland, Republic of	LUHR	94/0134	158689	Registered
Howmedica Inc.	Ireland, Republic of	MERIDIAN	94/5078	164737	Registered
Howmedica Inc.	Ireland, Republic of	MONOGRAM			Instructed
Howmedica Inc.	Ireland, Republic of	ORTHINOX	1438/84	111992	Registered
Howmedica Inc.	Ireland, Republic of	PARTNERSHIP SYSTEM	97/0501		Pending
Howmedica Inc.	Ireland, Republic of	PC/DOCTOR			Instructed
Howmedica Inc.	Ireland, Republic of	PC/RADSCAN			Instructed
Howmedica Inc.	Ireland, Republic of	PERI-APATITE	UNKNOWN	159883	Registered
Howmedica Inc.	Ireland, Republic of	RELIANCE	94/5079	163065	Registered
Howmedica Inc.	Ireland, Republic of	SOUTER STRATHCLYDE			Instructed
Howmedica Inc.	Ireland, Republic of	SPHEROLOCK	5789/89	137817	Registered
Howmedica Inc.	Ireland, Republic of	SYSTEM 12			Instructed
Howmedica Inc.	Ireland, Republic of	TRIAX	96/3379	173343	Registered
Howmedica Inc.	Ireland, Republic of	TRITANIUM	95/2683	165129	Registered
Howmedica Inc.	Ireland, Republic of	TRITANIUM	95/2682	165128	Registered
Howmedica Inc.	Ireland, Republic of	ULNA			Instructed
Howmedica Inc.	Ireland, Republic of	VITALLIUM	UNKNOWN	99895	Registered
Howmedica Inc.	Ireland, Republic of	VITALLIUM	UNKNOWN	99896	Registered
Howmedica Inc.	Ireland, Republic of	VITALLIUM IN SHIELD	UNKNOWN	99893	Registered

HOWMEDICA INC. TRADEMARKS

Applicant	Country	Trademark	Application No.	Registration No.	Status
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Howmedica Inc.	Ireland, Republic of	DESIGN VITALLIUM IN SHIELD DESIGN	UNKNOWN	99894	Registered
Howmedica Inc.	Ireland, Republic of	VITALOCK			Instructed
Howmedica Inc.	Ireland, Republic of	X-CHANGE			Instructed
Howmedica Inc.	Ireland, Republic of	XIA			Instructed
Howmedica Inc.	Ireland, Republic of	ZETA MULTIZONE LOCKING NAIL SYSTEM	98/3836		Pending
Howmedica Inc.	Israel	HOWMEDICA	59414	59414	Registered
Howmedica Inc.	Israel	KINEMATIC	60244	60244	Registered
Howmedica Inc.	Israel	PCA	60795	60795	Registered
Howmedica Inc.	Israel	SURGICAL SIMPLEX	63826	63826	Registered
Howmedica Inc.	Israel	VITALLIUM AND DESIGN	6606	6606	Registered
Howmedica Inc.	Italy	ABG	M194C003072	694476	Registered
Howmedica Inc.	Italy	ARTISAN	M195C012458		Pending
Howmedica Inc.	Italy	BONESOURCE	95C1026	740933	Registered
Howmedica Inc.	Italy	CHIRODRIVE	M197C007432		Pending
Howmedica Inc.	Italy	COMMAND	M194C007391	698115	Registered
Howmedica Inc.	Italy	CRYSTALCOAT	M192C007795	654033	Registered
Howmedica Inc.	Italy	DEFINITION	M194C007392	698116	Registered
Howmedica Inc.	Italy	DURACON	RM92C001707	638247	Registered
Howmedica Inc.	Italy	DURACON PA	M195C010243	00731542	Registered
Howmedica Inc.	Italy	DURATION	M194C004726	695858	Registered
Howmedica Inc.	Italy	E.P.I.C.	RM91C004356	614715	Registered
Howmedica Inc.	Italy	EVOLUTION P.C.A.	M194C002866	694276	Registered
Howmedica Inc.	Italy	EXTRADRIVE	M194C002865	694275	Registered
Howmedica Inc.	Italy	EXTRADRIVE & DESIGN	M194C002867	694277	Registered
Howmedica Inc.	Italy	FIRSTSTEP	M193C006606	676983	Registered
Howmedica Inc.	Italy	GAMMA LOCKING NAIL	34588/88	522128	Registered
Howmedica Inc.	Italy	H LOGO	M193C/002547	668582	Registered
Howmedica Inc.	Italy	HOWMEDICA ABG	M195C008730		Pending
Howmedica Inc.	Italy	HOWMEDICA MONOTUBE	RM91C002775	00613489	Registered
Howmedica Inc.	Italy	JADE	M192C/008175	654357	Registered
Howmedica Inc.	Italy	MERIDIAN	M194C007394	698118	Registered
Howmedica Inc.	Italy	ORTHINOX	33874/84	459810	Registered
Howmedica Inc.	Italy	OSTILIT	RM91C004532	614789	Registered
Howmedica Inc.	Italy	PARTNERSHIP	M195C008177	729735	Registered

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HOWMEDICA INC. TRADEMARKS

Owner	Country	Trademark	Application Number	Registration Number	Status
Howmedica Inc.	Italy	PCA	33.933/85	725693	Registered
Howmedica Inc.	Italy	PERI-APATITE	MI94C002868	694278	Registered
Howmedica Inc.	Italy	PORTO-VAC	UNKNOWN	521283	Ren ins
Howmedica Inc.	Italy	PRECISION OSTEOLOCK	MI94C000311	692073	Registered
Howmedica Inc.	Italy	RELIANCE	MI94C007393	698117	Registered
Howmedica Inc.	Italy	SPHEROLOCK	42311/89	575577	Registered
Howmedica Inc.	Italy	TRITANIUM	MI95C004159	734679	Registered
Howmedica Inc.	Italy	VITALLIUM	UNKNOWN	436101	Registered
Howmedica Inc.	Italy	VITALLIUM AND DESIGN	UNKNOWN	291387	Registered
Howmedica Inc.	Italy	X-CHANGE	MI94C003071	694475	Registered
Howmedica Inc.	Italy	XIA	MI98C009469		Pending
Howmedica Inc.	Italy	ZETA MULTIZONE LOCKING NAIL SYSTEM	MI98C009006		Pending
Howmedica Inc.	Japan	ALTA with Katakana	1994/002074	3301533	Registered
Howmedica Inc.	Japan	APEX	1992/128360		Pending
Howmedica Inc.	Japan	APEX IN KATAKANA	1992/128361		Pending
Howmedica Inc.	Japan	ARTISAN	1995/88499	4020303	Registered
Howmedica Inc.	Japan	ARTISAN in Katakana	1996/71206		Pending
Howmedica Inc.	Japan	ARTISAN with Katakana	1996/71207		Pending
Howmedica Inc.	Japan	ASNIS	1992/179857	3051639	Registered
Howmedica Inc.	Japan	ASNIS IN KATAKANA	1992/179859	3051640	Registered
Howmedica Inc.	Japan	AUSTIN MOOR IN KATAKANA	1992/128357	3042990	Registered
Howmedica Inc.	Japan	AUSTIN MOORE	1992/128356	3042989	Registered
Howmedica Inc.	Japan	BIOCOMPRESSION WITH KATAKANA	1993/39420	3233267	Registered
Howmedica Inc.	Japan	BONE-DRI	1996/34645	4086572	Registered
Howmedica Inc.	Japan	BONE-DRI SURGICAL WICKS	1996/34646	4086573	Registered
Howmedica Inc.	Japan	BONESOURCE	5/106760	3351071	Registered
Howmedica Inc.	Japan	BONEWICK in Katakana	1996/34644	4086571	Registered
Howmedica Inc.	Japan	BWM	1993/104291	3210040	Registered
Howmedica Inc.	Japan	CENTRAX BIPOLAR	1992/179858	3051641	Registered
Howmedica Inc.	Japan	CENTRAX BIPOLAR IN KATAKANA	1992/179860	3051642	Registered
Howmedica Inc.	Japan	CHIRODRILL	1979/53786	1680161	Registered
Howmedica Inc.	Japan	CHIRODRIVE w/Katakana	1997/139535		Pending
Howmedica Inc.	Japan	CITATION	1996/35007		Pending
Howmedica Inc.	Japan	CLUSTER CUP	1994/40153	3311046	Registered
Howmedica Inc.	Japan	COMMAND	1994/83492	3267760	Registered

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Owner	Country	Trademark	Application Number	Registration Number	Status
Howmedica Inc.	Japan	CRYSTALCOAT	1992/313461	3192159	Registered
Howmedica Inc.	Japan	DALL MILES	1993/11648	3111313	Registered
Howmedica Inc.	Japan	DALL MILES IN KATAKANA	1993/11649	3111314	Registered
Howmedica Inc.	Japan	DEFINITION	1994/83491	4116440	Registered
Howmedica Inc.	Japan	DJD	1996/35002	4086575	Registered
Howmedica Inc.	Japan	DURATION	1994/46141	3253905	Registered
Howmedica Inc.	Japan	DYNAMIC JOINT DISTRATOR	1996/35008	4086578	Registered
Howmedica Inc.	Japan	DYNAMIC WRIST FIXATOR with Katakana	1994/002078	4020294	Registered
Howmedica Inc.	Japan	ENHANCEMENT with Katakana	1996/34642		Pending
Howmedica Inc.	Japan	EXETER			Instructed
Howmedica Inc.	Japan	EXETER WITH KATAKANA	1993/104292	3206469	Registered
Howmedica Inc.	Japan	EXTRADRIVE with KATAKANA	1994/002077	3210165	Registered
Howmedica Inc.	Japan	FIRST STEP	1996/35006		Pending
Howmedica Inc.	Japan	GAMMA	1988/58694	2258348	Registered
Howmedica Inc.	Japan	GAMMA AP LOCKING NAIL Design	1994/77573	3282222	Registered
Howmedica Inc.	Japan	GRAY WITH KATAKANA	1993/39422	3233268	Registered
Howmedica Inc.	Japan	GROSSE & KEMPF	1992/48242	2648082	Registered
Howmedica Inc.	Japan	GROSSE & KEMPF	1992/48245	2648083	Registered
Howmedica Inc.	Japan	GROSSE & KEMPF IN KATAKANA	1992/48246	2648084	Registered
Howmedica Inc.	Japan	GROWING KOTZ with Katakana	1997/183736		Pending
Howmedica Inc.	Japan	H.M.R.S.	1993/39421	3158966	Registered
Howmedica Inc.	Japan	HOLE IN ONE GUIDE with katakana	1998/046482		Pending
Howmedica Inc.	Japan	HOLE IN ONE with katakana	1998/046483		Pending
Howmedica Inc.	Japan	HOWMEDICA	214180/1992	3038338	Registered
Howmedica Inc.	Japan	HOWMEDICA	1981/5939	1819140	Registered
Howmedica Inc.	Japan	HOWMEDICA	1984/124385	2048814	Registered
Howmedica Inc.	Japan	HOWMEDICA	1979/96197	2081626	Registered
Howmedica Inc.	Japan	HOWMEDICA	214181/1992	3158934	Registered
Howmedica Inc.	Japan	HOWMEDICA & DESIGN	144601/1975	1389184	Registered
Howmedica Inc.	Japan	HOWMEDICA IN KATAKANA	1991/131276	2701737	Registered
Howmedica Inc.	Japan	HOWMEDICA IN KATAKANA	1991/131275	2603838	Registered

HOWMEDICA INC. TRADEMARKS

Owner	Country	Trademark	Application Number	Registration Number	Status
Howmedica Inc.	Japan	HOWMEDICA MIX-KIT with Katakana	1994/002079	3248279	Registered
Howmedica Inc.	Japan	HOWMEDICA MONOTUBE	86838/1991	2701736	Registered
Howmedica Inc.	Japan	HOWMEDICA PORTO-VAC	1979/98761	2170059	Registered
Howmedica Inc.	Japan	HOWMEDICA TRAUMA SOLUTIONS AND	91/77399	2680718	Registered
Howmedica Inc.	Japan	HUMERAL w/Katakana	1997/121392		Pending
Howmedica Inc.	Japan	INTERAX	1992/8309	2717888	Registered
Howmedica Inc.	Japan	INTERAX IN KATAKANA	1992/8310	2717889	Registered
Howmedica Inc.	Japan	KERBOULL WITH KATAKANA	1993/39423	3158967	Registered
Howmedica Inc.	Japan	KINEMATIC	12874/1985	2042896	Registered
Howmedica Inc.	Japan	KINEMATIC IN KATAKANA	1992/128351	3038568	Registered
Howmedica Inc.	Japan	KINEMAX	1992/48243	2648085	Registered
Howmedica Inc.	Japan	KINEMAX IN KATAKANA	1992/48247	2648086	Registered
Howmedica Inc.	Japan	KINEMAX PLUS	1997/118334		Pending
Howmedica Inc.	Japan	KINEMAXPLUS	1997/118333		Pending
Howmedica Inc.	Japan	MAINSTAY	1996/35003	4086576	Registered
Howmedica Inc.	Japan	MAINSTAY LOGO	1996/106193		Pending
Howmedica Inc.	Japan	MAKOTO with Kanji, Katakana	1998/020409		Pending
Howmedica Inc.	Japan	MERIDIAN	1995/55901		Pending
Howmedica Inc.	Japan	MONOTUBE w/Katakana	1997/20335		Pending
Howmedica Inc.	Japan	MONTICELLI SPINELLI w/Katakana	1997/121391		Pending
Howmedica Inc.	Japan	MONTICELLI WITH KATAKANA	1993/39424	3229665	Registered
Howmedica Inc.	Japan	ONESHOT with Katakana	1998/051713		Pending
Howmedica Inc.	Japan	OSTEOSTAT w/Katakana	1997/20334		Pending
Howmedica Inc.	Japan	P.C.A.	1984/89029	2022879	Registered
Howmedica Inc.	Japan	PARTNERSHIP	1995/55899	4020299	Registered
Howmedica Inc.	Japan	PERI-APATITE WITH KATAKANA	1994/19294	3233397	Registered
Howmedica Inc.	Japan	PORT-VAC w/Katakana	1997/139536		Pending
Howmedica Inc.	Japan	POWER OF PARTNERSHIP	1995/55900	4020300	Registered
Howmedica Inc.	Japan	POWER-PAK with Katakana	1996/34643	4086570	Registered
Howmedica Inc.	Japan	PROTO-VAC w/Katakana			Pending
Howmedica Inc.	Japan	RELIANCE	1994/83493	3267761	Registered
Howmedica Inc.	Japan	ROY-CAMILLE with katakana	1994002081	3262267	Registered

Applicant	Country	Trademark	Application Number	Registration Number	Status
Howmedica Inc.	Japan	SEAP	58702/1993	3304442	Registered
Howmedica Inc.	Japan	SEAP IN KATAKANA	58703/1993	3304443	Registered
Howmedica Inc.	Japan	SEAP WITH KATAKANA	1995/92205	4024176	Registered
Howmedica Inc.	Japan	SEIDEL with katakana	1994002082	3216717	Registered
Howmedica Inc.	Japan	SIMPLEX WITH KATAKANA	1974/81037	1376834-2	Registered
Howmedica Inc.	Japan	SLOTJIG	1992/128358	3042991	Registered
Howmedica Inc.	Japan	SLOTJIG IN KATAKANA	1992/128359	3042992	Registered
Howmedica Inc.	Japan	SOUTER STRATHCLYDE	1992/48244	2672983	Registered
Howmedica Inc.	Japan	SOUTER STRATHCLYDE IN KATAKANA	1992/48248	2672984	Registered
Howmedica Inc.	Japan	STRATA	1994/77569	3262449	Registered
Howmedica Inc.	Japan	SURGICAL SIMPLEX	38021/1976	1580644	Registered
Howmedica Inc.	Japan	TARO with Kanji, Katakana	1998/032513		Pending
Howmedica Inc.	Japan	THE HOWMEDICA PRECISION HIP	1994/77572	3356530	Registered
Howmedica Inc.	Japan	TRJAX	1996/71208		Pending
Howmedica Inc.	Japan	TRIAX with Katakana	1996/82997	4105785	Registered
Howmedica Inc.	Japan	TRITANIUM	1995/088498	4020302	Registered
Howmedica Inc.	Japan	UCS	1996/35001	4086574	Registered
Howmedica Inc.	Japan	ULNA LOGO	1994/13028	3311022	Registered
Howmedica Inc.	Japan	ULNA WITH KATAKANA	1994/13029	3262294	Registered
Howmedica Inc.	Japan	UNITRAX	1996/35004	4086577	Registered
Howmedica Inc.	Japan	VITALLIUM	2947/1956	507655	Registered
Howmedica Inc.	Japan	VITALLIUM	1998/12090		Pending
Howmedica Inc.	Japan	VITALLIUM & DESIGN	1986/46861	2133207	Registered
Howmedica Inc.	Japan	VITALLIUM & Shield Design	1998/034707		Pending
Howmedica Inc.	Japan	VITALLIUM & Shield Design	1998/034707		Pending
Howmedica Inc.	Japan	VITALOCK w/Katakana	1997/142385		Pending
Howmedica Inc.	Japan	X-TRA COVER CUP WITH KATAKANA	1993/104293	3206470	Registered
Howmedica Inc.	Japan	XIA			Instructed
Howmedica Inc.	Japan	ZETA MULTIZONE LOCKING NAIL SYSTEM			Instructed
Howmedica Inc.	Korea, South	ABG	94/7690	327372	Registered
Howmedica Inc.	Korea, South	ARTISAN	96/36494	383592	Registered
Howmedica Inc.	Korea, South	BONESOURCE	95/36859	95/36859	Registered
Howmedica Inc.	Korea, South	CITATION	96/11670	380272	Registered
Howmedica Inc.	Korea, South	COMMAND	94/30786	333283	Registered

HOWMEDICA INC. TRADEMARKS

Owner	Country	Trademark	Application Number	Registration Number	Status
Howmedica Inc.	Korea, South	DEFINITION	94/30787	333284	Registered
Howmedica Inc.	Korea, South	DURACON	92/13937	265996	Registered
Howmedica Inc.	Korea, South	DURATION	9418633	328762	Registered
Howmedica Inc.	Korea, South	FIRSTSTEP	9335727	310406	Registered
Howmedica Inc.	Korea, South	GAMMA AP LOCKING NAIL & DESIGN	9131/1992	265995	Registered
Howmedica Inc.	Korea, South	HOWMEDICA	8413111	116392	Registered
Howmedica Inc.	Korea, South	HOWMEDICA MONOTUBE	97/22729	416097	Registered
Howmedica Inc.	Korea, South	KINEMATIC	85991	126003	Registered
Howmedica Inc.	Korea, South	MERIDIAN	94/30788	333336	Registered
Howmedica Inc.	Korea, South	P.C.A.	85992	124338	Registered
Howmedica Inc.	Korea, South	RELIANCE	94/30788	333337	Registered
Howmedica Inc.	Korea, South	SURGICAL SIMPLEX	97/6092	52220	Registered
Howmedica Inc.	Korea, South	VITALLIUM SHIELD DESIGN		7818	Registered
Howmedica Inc.	Lebanon	VITALLIUM AND DESIGN	UNKNOWN	43778	Ren ins
Howmedica Inc.	Liechtenstein	VITALLIUM	UNKNOWN	6831	Registered
Howmedica Inc.	Malaysia	COMMAND	94/09391		Pending
Howmedica Inc.	Malaysia	DEFINITION	94/09390		Pending
Howmedica Inc.	Malaysia	HOWMEDICA	94/11315	94/11315	Registered
Howmedica Inc.	Malaysia	MERIDIAN	94/09389		Pending
Howmedica Inc.	Malaysia	RELIANCE	94/09388		Pending
Howmedica Inc.	Malaysia	SURGICAL SIMPLEX		M/B71740	Registered
Howmedica Inc.	Malaysia	VITALLIUM & DESIGN		M22296	Registered
Howmedica Inc.	Mexico	ABG	115674	406345	Registered
Howmedica Inc.	Mexico	BONESOURCE	244110	509439	Registered
Howmedica Inc.	Mexico	CENTRAX	115673	425267	Registered
Howmedica Inc.	Mexico	CRYSTALCOAT	152703	431589	Registered
Howmedica Inc.	Mexico	GAMMA & DESIGN	115671	431726	Registered
Howmedica Inc.	Mexico	GROSSE AND KEMPF	115662	403107	Registered
Howmedica Inc.	Mexico	HOWMEDICA	238175	303410	Registered
Howmedica Inc.	Mexico	KINEMATIC	94082	387775	Registered
Howmedica Inc.	Mexico	KINEMAX	115668	403109	Registered
Howmedica Inc.	Mexico	P.C.A.	115664	431683	Registered
Howmedica Inc.	Mexico	PORTO-VAC	115135	407318	Registered
Howmedica Inc.	Mexico	SIMPLEX	149179	428169	Registered
Howmedica Inc.	Mexico	V IN SHIELD DESIGN	218187	487134	Registered
Howmedica Inc.	Mexico	VITALLIUM	A235776	303685	Registered

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Owner	Country	Trademark	Application Number	Registration Number	Status
Howmedica Inc.	Mexico	VITALLIUM AND DESIGN	63428	387478	Registered
Howmedica Inc.	Netherlands Antilles	VITALLIUM AND DESIGN	UNKNOWN	2637	Registered
Howmedica Inc.	New Zealand	COMMAND	239405	239405	Registered
Howmedica Inc.	New Zealand	DEFINITION	239406	239406	Registered
Howmedica Inc.	New Zealand	DURACON	218265	218265	Registered
Howmedica Inc.	New Zealand	DURATION	236412	236412	Registered
Howmedica Inc.	New Zealand	EVOLUTION P.C.A.	233565	233565	Registered
Howmedica Inc.	New Zealand	GAMMA	178415	178415	Registered
Howmedica Inc.	New Zealand	HOWMEDICA	UNKNOWN	158639	Registered
Howmedica Inc.	New Zealand	HOWMEDICA ABG	249027	249027	Registered
Howmedica Inc.	New Zealand	HOWMEDICA P.C.A.	156632	156632	Registered
Howmedica Inc.	New Zealand	KINEMATIC	156631	156631	Registered
Howmedica Inc.	New Zealand	MERIDIAN	239407	239407	Registered
Howmedica Inc.	New Zealand	PRECISION OSTEOLOCK	232964	B232964	Registered
Howmedica Inc.	New Zealand	RELIANCE	239408	B239408	Registered
Howmedica Inc.	New Zealand	SURGICAL SIMPLEX	166232	166232	Registered
Howmedica Inc.	New Zealand	VITALLIUM AND SHIELD DEVICE	35710	35710	Registered
Howmedica Inc.	Norway	ABG	249027		Pending
Howmedica Inc.	Norway	COMMAND	944613	170320	Registered
Howmedica Inc.	Norway	DEFINITION	944327	173545	Registered
Howmedica Inc.	Norway	DURACON	92/5605	161600	Registered
Howmedica Inc.	Norway	EVOLUTION P.C.A.	94/1091	169612	Registered
Howmedica Inc.	Norway	GAMMA LOCKING NAIL & DESIGN	881313	142390	Registered
Howmedica Inc.	Norway	HOWMEDICA P.C.A.	851781	124532	Registered
Howmedica Inc.	Norway	MERIDIAN	944614	170321	Registered
Howmedica Inc.	Norway	ORTHINOX	841814	120853	Registered
Howmedica Inc.	Norway	PRECISION OSTEOLOCK & DESIGN	940722	168921	Registered
Howmedica Inc.	Norway	RELIANCE	944615	176306	Registered
Howmedica Inc.	Norway	VITALLIUM		53129	Ren ins
Howmedica Inc.	Norway	VITALLIUM	35456	35456	Registered
Howmedica Inc.	Norway	VITALLIUM AND DESIGN	35598	35598	Registered
Howmedica Inc.	Norway	VITALLIUM AND DESIGN	35618	35618	Registered
Howmedica Inc.	Norway	ZETA MULTIZONE LOCKING NAIL SYSTEM			Instructed
Howmedica Inc.	Panama	SURGICAL SIMPLEX	1358	25777	Registered
Howmedica Inc.	Paraguay	SURGICAL SIMPLEX		77133	Registered

HOWMEDICA INC. TRADEMARKS

Applicant	Country	Trademark	Application No.	Registration No.	Status
Howmedica Inc.	Peru	ABG	186289	93371	Registered
Howmedica Inc.	Peru	CENTRAX	186887	93433	Registered
Howmedica Inc.	Peru	GAMMA LOCKING NAIL AND DESIGN	186888	93436	Registered
Howmedica Inc.	Peru	GROSSE AND KEMPF	186291	93373	Registered
Howmedica Inc.	Peru	KINEMAX	186766	93752	Registered
Howmedica Inc.	Peru	P.C.A.	186763	93751	Registered
Howmedica Inc.	Peru	PORTO-VAC	182409	91278	Registered
Howmedica Inc.	Peru	SURGICAL SIMPLEX	7408	5274	Registered
Howmedica Inc.	Philippines	HOWMEDICA	101317	42993	Registered
Howmedica Inc.	Philippines	SURGICAL SIMPLEX	42393	36429	Aff ins
Howmedica Inc.	Poland	ABG	Z97884	72226	Registered
Howmedica Inc.	Poland	AKZ	Z99974	82110	Registered
Howmedica Inc.	Poland	CHIRODRIVE	178736		Pending
Howmedica Inc.	Poland	EXETER	Z97885	71997	Registered
Howmedica Inc.	Poland	GROSSE KEMPF	Z97886	73586	Registered
Howmedica Inc.	Poland	HOFFMANN	Z97887	73587	Registered
Howmedica Inc.	Poland	HOWMEDICA MONOTUBE	Z97888	74598	Registered
Howmedica Inc.	Poland	KINEMATIC	Z97889	71998	Registered
Howmedica Inc.	Poland	KINEMAX	Z97890	71999	Registered
Howmedica Inc.	Poland	LUHR	Z99976	75090	Registered
Howmedica Inc.	Poland	P.C.A.	Z99977	75091	Registered
Howmedica Inc.	Poland	R. ROY-CAMILLE	Z101198	74275	Registered
Howmedica Inc.	Poland	SURGICAL SIMPLEX	Z97891	73999	Registered
Howmedica Inc.	Poland	VITALLIUM	Z.49020	33272	Ren ins
Howmedica Inc.	Poland	VITALLIUM	Z97892	72227	Registered
Howmedica Inc.	Portugal	COMMAND	302866	302866	Registered
Howmedica Inc.	Portugal	DEFINITION	302867	302867	Registered
Howmedica Inc.	Portugal	DURACON	283426	283426	Registered
Howmedica Inc.	Portugal	EVOLUTION P.C.A.	297951	297951	Registered
Howmedica Inc.	Portugal	GAMMA LOCKING NAIL	246668	246668P	Registered
Howmedica Inc.	Portugal	JADE	295232	295232	Registered
Howmedica Inc.	Portugal	MERIDIAN	302868	302868	Registered
Howmedica Inc.	Portugal	P.C.A.	229795	229795	Registered
Howmedica Inc.	Portugal	RELIANCE	302869	302869	Registered
Howmedica Inc.	Portugal	VITALLIUM & DESIGN		117658	Registered
Howmedica Inc.	Portugal	XIA	332862		Pending
Howmedica Inc.	Portugal	ZETA MULTIZONE	332662		Pending

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HOWMEDICA INC. TRADEMARKS

Owner	Country	Trademark	Application Number	Registration Number	Status
		LOCKING NAIL SYSTEM			
Howmedica Inc.	Romania	CHIRODRIVE			Pending
Howmedica Inc.	Russian Federation	ABG	133798	100520	Registered
Howmedica Inc.	Russian Federation	AKZ	138013	102886	Registered
Howmedica Inc.	Russian Federation	EXETER	133795	100579	Registered
Howmedica Inc.	Russian Federation	FRANCOBAL	138016	102327	Registered
Howmedica Inc.	Russian Federation	GROSSE/KEMPF	133796	100583	Registered
Howmedica Inc.	Russian Federation	HOWMEDICA MONOTUBE	133799	100798	Registered
Howmedica Inc.	Russian Federation	KINEMATIC	133794	100618	Registered
Howmedica Inc.	Russian Federation	KINEMAX	133793	100617	Registered
Howmedica Inc.	Russian Federation	LUHR	138015	102817	Registered
Howmedica Inc.	Russian Federation	P.C.A.	138014	102927	Registered
Howmedica Inc.	Russian Federation	SURGICAL SIMPLEX	133767	104274	Registered
Howmedica Inc.	Russian Federation	VITALLIUM	133792	100616	Registered
Howmedica Inc.	Sarawak	SURGICAL SIMPLEX		B15881	Registered
Howmedica Inc.	Singapore	COMMAND	S8368/94		Pending
Howmedica Inc.	Singapore	DEFINITION	S/8369/94		Pending
Howmedica Inc.	Singapore	GAMMA AP	S2721/92	2721/92	Registered
Howmedica Inc.	Singapore	HOWMEDICA	S/383/85	383/85	Registered
Howmedica Inc.	Singapore	HOWMEDICA ABG	S6901/95		Pending
Howmedica Inc.	Singapore	MERIDIAN	S8370/94	8370/94	Registered
Howmedica Inc.	Singapore	RELIANCE	S/8371/94		Pending
Howmedica Inc.	Singapore	SURGICAL SIMPLEX		67883	Registered
Howmedica Inc.	Singapore	VITALLIUM & DESIGN		15776	Registered
Howmedica Inc.	Slovak Republic	ABG	60942	174932	Registered
Howmedica Inc.	Slovak Republic	DURACON	68685/92	176578	Registered
Howmedica Inc.	Slovak Republic	HOWMEDICA MONOTUBE	170854	170854	Registered
Howmedica Inc.	Slovak Republic	HOWMEDICA P.C.A.	694/95	181085	Registered
Howmedica Inc.	Slovak Republic	KINEMAX		170852	Registered
Howmedica Inc.	Slovak Republic	LUHR		177920	Registered
Howmedica Inc.	Slovak Republic	R. ROY CAMILLE	11346	173649	Registered
Howmedica Inc.	Slovak Republic	SURGICAL SIMPLEX	60944/91	174176	Registered
Howmedica Inc.	Slovak Republic	SURGICAL SIMPLEX		173822	Registered
Howmedica Inc.	Slovak Republic	VITALLIUM		174175	Registered
Howmedica Inc.	Slovak Republic	VITALLIUM	96283	96283	Registered
Howmedica Inc.	Slovenia	HOWMEDICA MONOTUBE	170854	170854	Registered

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HOWMEDICA INC. TRADEMARKS

Applicant	Country	Trademark	Application Number	Registration Number	Status
Howmedica Inc.	Slovenia	KINEMAX	UNKNOWN	170852	Registered
Howmedica Inc.	South Africa	ABG	939488	93/9488	Registered
Howmedica Inc.	South Africa	GAMMA & DEVICE	9310331	93/10331	Registered
Howmedica Inc.	South Africa	GROSSE AND KEMPF	939489	93/9489	Registered
Howmedica Inc.	South Africa	HOWMEDICA MONOTUBE	928051	92/8051	Registered
Howmedica Inc.	South Africa	HOWMEDICA TRAUMA SOLUTIONS AND	93/9977	93/9977	Registered
Howmedica Inc.	South Africa	INTERAX	939490	93/9490	Registered
Howmedica Inc.	South Africa	KINEMAX	939491	93/9491	Registered
Howmedica Inc.	South Africa	LUHR	939492	93/9492	Registered
Howmedica Inc.	South Africa	ORTHINOX	84/4638	84/4638	Registered
Howmedica Inc.	South Africa	PCA	B85/2613	B85/2613	Registered
Howmedica Inc.	South Africa	VITALLIUM	947/53/1	947/53/1	Registered
Howmedica Inc.	South Africa	VITALLIUM	947/53/2	947/53/2	Registered
Howmedica Inc.	South Africa	VITALLIUM & DEVICE	948/53/2	948/53/2	Registered
Howmedica Inc.	South Africa	VITALLIUM & DEVICE	948/53/1	948/53/1	Registered
Howmedica Inc.	South Africa	VITALLIUM DEVICE	700/45	700/45	Registered
Howmedica Inc.	Spain	ABG	1806060	1806060	Registered
Howmedica Inc.	Spain	ALTA	2023398		Pending
Howmedica Inc.	Spain	ARTISAN	1994984	1994984	Registered
Howmedica Inc.	Spain	ASNIS 2	2023399	2023399	Registered
Howmedica Inc.	Spain	BONESOURCE	1988555	1988555	Registered
Howmedica Inc.	Spain	CENTRAX			Instructed
Howmedica Inc.	Spain	CHIRODRIVE	2104621	2104621	Registered
Howmedica Inc.	Spain	COMMAND	1922214	1922214	Registered
Howmedica Inc.	Spain	DALL-MILES	2023400	2023400	Registered
Howmedica Inc.	Spain	DEFINITION	1922211	1922211	Registered
Howmedica Inc.	Spain	DURACON	1694142	1694142	Registered
Howmedica Inc.	Spain	DURACON PA	1981853	1981853	Registered
Howmedica Inc.	Spain	DURATION	1900416	1900416	Registered
Howmedica Inc.	Spain	E.P.I.C.	1670827	1670827	Registered
Howmedica Inc.	Spain	EVOLUTION P.C.A.	1799604	1799604	Registered
Howmedica Inc.	Spain	EXETER	2023401	2023401	Registered
Howmedica Inc.	Spain	EXTRADRIVE	1799603	1799603	Registered
Howmedica Inc.	Spain	GROSSE & KEMPF	2028061	2028061	Registered
Howmedica Inc.	Spain	H LOGO	1750997	1750997	Tax ins
Howmedica Inc.	Spain	HOWMEDICA MONOTUBE	1641292	1641292	Registered

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HOWMEDICA INC. TRADEMARKS

Owner	Country	Trademark	Application Number	Registration Number	Status
Howmedica Inc.	Spain	HOWMEDICA P.C.A.	2028062	2028062	Registered
Howmedica Inc.	Spain	INTERAX	1673155	1673155	Registered
Howmedica Inc.	Spain	KINEMATIC	2023402	2023402	Registered
Howmedica Inc.	Spain	KINEMAX	2023403	2023403	Registered
Howmedica Inc.	Spain	MERIDIAN	1922212	1922212	Registered
Howmedica Inc.	Spain	MONOGRAM	2023404	2023404	Registered
Howmedica Inc.	Spain	OSTILIT	1672535	1672535	Registered
Howmedica Inc.	Spain	PARTNERSHIP	1981501	1981501	Registered
Howmedica Inc.	Spain	PERLAPATITE	1804457	1804457	Registered
Howmedica Inc.	Spain	PRECISION OSTEOLOCK	1794709	1794709	Tax ins
Howmedica Inc.	Spain	RELIANCE	1922213	1922213	Registered
Howmedica Inc.	Spain	SENTRY	2028063		Pending
Howmedica Inc.	Spain	SOUTER STRATHCLYDE	2023405	2023405	Registered
Howmedica Inc.	Spain	SPHEROLOCK	1525407	1525407	Registered
Howmedica Inc.	Spain	SYSTEM 12	2023406	2023406	Registered
Howmedica Inc.	Spain	TRITANIUM	1958938	1958938	Registered
Howmedica Inc.	Spain	TRITANIUM	1958939	1958939	Registered
Howmedica Inc.	Spain	VITALLIUM	2027079	2027079	Registered
Howmedica Inc.	Spain	VITALLIUM	96170	96170	Registered
Howmedica Inc.	Spain	VITALLIUM IN SHIELD	UNKNOWN	300321	Registered
Howmedica Inc.	Spain	VITALOCK	2023407	2023407	Registered
Howmedica Inc.	Spain	X-CHANGE			Instructed
Howmedica Inc.	Spain	XIA	2187195		Pending
Howmedica Inc.	Spain	ZETA MULTIZONE LOCKING NAIL SYSTEM	2185355		Pending
Howmedica Inc.	Sweden	APEX	96/04711	326268	Registered
Howmedica Inc.	Sweden	ARTISAN	95/12585		Pending
Howmedica Inc.	Sweden	CHIRODRIVE	97/06570		Pending
Howmedica Inc.	Sweden	COMMAND	9407641	304624	Registered
Howmedica Inc.	Sweden	DEFINITION	9407642	300253	Registered
Howmedica Inc.	Sweden	DURACON	92/03215	252303	Registered
Howmedica Inc.	Sweden	DURACON PA	95/09147	320061	Registered
Howmedica Inc.	Sweden	DURATION	94/04649	308129	Registered
Howmedica Inc.	Sweden	EVOLUTION P.C.A.	B9400525	264691	Registered
Howmedica Inc.	Sweden	EXTRADRIVE & Device	94/00523	263572	Registered
Howmedica Inc.	Sweden	FIRSTSTEP	938945	261087	Registered
Howmedica Inc.	Sweden	GAMMA LOCKING NAIL DEVICE	87-7578	215392	Registered
Howmedica Inc.	Sweden	H LOGO	93/01449	253113	Registered

HOWMEDICA INC. TRADEMARKS

Owner	Country	Trademark	Application Number	Registration Number	Status
Howmedica Inc.	Sweden	HOWMEDICA MONOTUBE	91/4964	242132	Registered
Howmedica Inc.	Sweden	HOWMEDICA PCA	85-2961	206926	Ren ins
Howmedica Inc.	Sweden	HOWMEDICA TRAUMA SOLUTIONS AND	91/5673	252171	Registered
Howmedica Inc.	Sweden	INTERAX	91/10764	241785	Registered
Howmedica Inc.	Sweden	MERIDIAN	9407643	304625	Registered
Howmedica Inc.	Sweden	ORTHINOX	86-3634	205922	Ren ins
Howmedica Inc.	Sweden	PARTNERSHIP	95/08547	313580	Registered
Howmedica Inc.	Sweden	PC/RADSCAN	97/09993		Pending
Howmedica Inc.	Sweden	PERI-APATITE	B9401775	265252	Registered
Howmedica Inc.	Sweden	PORTO-VAC	2301/68	131074	Registered
Howmedica Inc.	Sweden	PRECISION OSTEOLOCK	A9311890	262148	Registered
Howmedica Inc.	Sweden	RELIANCE	9407644	304626	Registered
Howmedica Inc.	Sweden	TRIAx	96/04710	324399	Registered
Howmedica Inc.	Sweden	TRITANIUM	95/04042	307880	Registered
Howmedica Inc.	Sweden	VITALLIUM	UNKNOWN	64994	Registered
Howmedica Inc.	Sweden	VITALLIUM	UNKNOWN	88203	Registered
Howmedica Inc.	Sweden	VITALLIUM & DESIGN	UNKNOWN	71841	Registered
Howmedica Inc.	Sweden	XIA			Instructed
Howmedica Inc.	Sweden	ZETA MULTIZONE LOCKING NAIL SYSTEM	9806977		Pending
Howmedica Inc.	Switzerland	BONESOURCE	12234/1995	433306	Registered
Howmedica Inc.	Switzerland	CHIRODRIVE	8041/1997	452810	Registered
Howmedica Inc.	Switzerland	COMMAND	5196/19944	429446	Registered
Howmedica Inc.	Switzerland	CRYSTALCOAT	7421/1992/3	406548	Registered
Howmedica Inc.	Switzerland	DEFINITION	5195/19942	427187	Registered
Howmedica Inc.	Switzerland	DURACON	2796/1992/0	401894	Registered
Howmedica Inc.	Switzerland	DURATION	3070/1994.5	421428	Registered
Howmedica Inc.	Switzerland	EVOLUTION P.C.A.	382/19949	420510	Registered
Howmedica Inc.	Switzerland	HOWMEDICA PCA	2633	339504	Registered
Howmedica Inc.	Switzerland	INTERAX	286/1992/0	394670	Registered
Howmedica Inc.	Switzerland	MERIDIAN	5194/19940	441715	Registered
Howmedica Inc.	Switzerland	ORTHINOX	1635	331464	Registered
Howmedica Inc.	Switzerland	OSTILIT	UNKNOEN	344761	Registered
Howmedica Inc.	Switzerland	PORTO-VAC	UNKNOWN	381305	Registered
Howmedica Inc.	Switzerland	RELIANCE	5193/1994.9	429445	Registered
Howmedica Inc.	Switzerland	VITABASE	UNKNOWN	332021	Registered
Howmedica Inc.	Switzerland	VITALLIUM	UNKNOWN	390335	Registered

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HOWMEDICA INC. TRADEMARKS

Owner	Country	Trademark	Application Number	Registration Number	Status
Howmedica Inc.	Switzerland	VITALLIUM	UNKNOWN	404189	Registered
Howmedica Inc.	Switzerland	ZETA MULTIZONE LOCKING NAIL SYSTEM	07721/1998		Pending
Howmedica Inc.	Taiwan	ABG	84026534	708621	Registered
Howmedica Inc.	Taiwan	BONESOURCE	84049019	735391	Registered
Howmedica Inc.	Taiwan	CITATION	85013692	753097	Registered
Howmedica Inc.	Taiwan	COMMAND	83050677	686188	Registered
Howmedica Inc.	Taiwan	CRYSTALCOAT	81059071	601904	Registered
Howmedica Inc.	Taiwan	DEFINITION	83050678	682763	Registered
Howmedica Inc.	Taiwan	DURATION	87032170		Pending
Howmedica Inc.	Taiwan	FIRSTSTEP	82049553	640944	Registered
Howmedica Inc.	Taiwan	HOWMEDICA	290712	290712	Registered
Howmedica Inc.	Taiwan	HOWMEDICA ARTISAN	85041189	809212	Registered
Howmedica Inc.	Taiwan	HOWMEDICA MONOTUBE	86024815	804577	Registered
Howmedica Inc.	Taiwan	MERIDIAN	83050679	761211	Registered
Howmedica Inc.	Taiwan	PCA	75/12958	337962	Registered
Howmedica Inc.	Taiwan	RELIANCE	83050680	682764	Registered
Howmedica Inc.	Taiwan	VITALLIUM		13721	Registered
Howmedica Inc.	Thailand	COMMAND	273753		Pending
Howmedica Inc.	Thailand	DEFINITION	273754	38986	Registered
Howmedica Inc.	Thailand	HOWMEDICA	142814	27414	Registered
Howmedica Inc.	Thailand	HOWMEDICA ABG	292694	51533	Registered
Howmedica Inc.	Thailand	MERIDIAN	273755	36541	Registered
Howmedica Inc.	Thailand	RELIANCE	273756		Pending
Howmedica Inc.	Tunisia	VITALLIUM AND DESIGN	15/79	15/79	Registered
Howmedica Inc.	Turkey	EVOLUTION P.C.A.	92894	150973	Registered
Howmedica Inc.	Turkey	HOWMEDICA MONOTUBE	8782/92	140540	Registered
Howmedica Inc.	Turkey	VITALLIUM & DESIGN	UNKNOWN	94109	Registered
Howmedica Inc.	Turkey	VITALLIUM & DESIGN	UNKNOWN	94106	Registered
Howmedica Inc.	United Kingdom	ARTISAN	2044337	2044337	Registered
Howmedica Inc.	United Kingdom	ASNIS			Instructed
Howmedica Inc.	United Kingdom	BONESOURCE	2038420	2038420	Registered
Howmedica Inc.	United Kingdom	BWM			Instructed
Howmedica Inc.	United Kingdom	CENTRAX			Instructed
Howmedica Inc.	United Kingdom	CHIRODRIVE	2139628	2139628	Registered
Howmedica Inc.	United Kingdom	COMMAND	1581377	1581377	Registered
Howmedica Inc.	United Kingdom	DEFINITION	1581380	1581380	Registered

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HOWMEDICA INC. TRADEMARKS

Owner	Country	Trademark	Application Number	Registration Number	Status
Howmedica Inc.	United Kingdom	DOMINO			Instructed
Howmedica Inc.	United Kingdom	DURACON	1499163	1499163	Registered
Howmedica Inc.	United Kingdom	DURACON PA	2031215	2031215	Registered
Howmedica Inc.	United Kingdom	DURATION	1571456	B1571456	Registered
Howmedica Inc.	United Kingdom	EVOLUTION P.C.A.	1561053	1561053	Registered
Howmedica Inc.	United Kingdom	EXTRADRIVE & Design	1561777	B1561777	Registered
Howmedica Inc.	United Kingdom	FIRSTSTEP	1549689	1549689	Registered
Howmedica Inc.	United Kingdom	FISH DESIGN	1061525	1061525	Registered
Howmedica Inc.	United Kingdom	GAMMA	1340782	A1340782	Registered
Howmedica Inc.	United Kingdom	GAMMA LOCKING NAIL & DESIGN	1340781	A1340781	Registered
Howmedica Inc.	United Kingdom	GROSSE & KEMPF			Instructed
Howmedica Inc.	United Kingdom	H LOGO	1528126	1528126	Registered
Howmedica Inc.	United Kingdom	HOWMEDICA	2049690	2049690	Registered
Howmedica Inc.	United Kingdom	HOWMEDICA & DESIGN	B1128586	1128586	Registered
Howmedica Inc.	United Kingdom	HOWMEDICA AND DESIGN	UNKNOWN	B1053308	Registered
Howmedica Inc.	United Kingdom	HOWMEDICA BONE-DRI			Instructed
Howmedica Inc.	United Kingdom	HOWMEDICA MIX-KIT			Instructed
Howmedica Inc.	United Kingdom	HOWMEDICA MONOTUBE	1468868	1468868	Registered
Howmedica Inc.	United Kingdom	HOWMEDICA TRAUMA SOLUTIONS & Design	1468460	1468460	Registered
Howmedica Inc.	United Kingdom	HOWMEDICA UNIVERSAL			Instructed
Howmedica Inc.	United Kingdom	INTERAX	1488402	1488402	Registered
Howmedica Inc.	United Kingdom	JADE	1549693	1549693	Registered
Howmedica Inc.	United Kingdom	KINEMATIC			Instructed
Howmedica Inc.	United Kingdom	KINEMAX			Instructed
Howmedica Inc.	United Kingdom	LUHR	1558368	1558368	Registered
Howmedica Inc.	United Kingdom	MERIDIAN	1581381	1581381	Registered
Howmedica Inc.	United Kingdom	MONOGRAM			Instructed
Howmedica Inc.	United Kingdom	PARTNERSHIP SYSTEM	2123283	2123283	Registered
Howmedica Inc.	United Kingdom	PC/DOCTOR			Instructed
Howmedica Inc.	United Kingdom	PC/RADSCAN			Instructed
Howmedica Inc.	United Kingdom	PERI-APATITE	1565753	1565753	Registered
Howmedica Inc.	United Kingdom	RELIANCE	1581375	1581375	Registered
Howmedica Inc.	United Kingdom	SOUTER STRATHCLYDE			Instructed
Howmedica Inc.	United Kingdom	SYSTEM 12			Instructed
Howmedica Inc.	United Kingdom	TRIAX	2100383	2100383	Registered

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Howmedica Inc.	Country	Trademark	Serial Number	Registration Number	Status
Howmedica Inc.	United Kingdom	TRITANIUM	2017017	2017017	Registered
Howmedica Inc.	United Kingdom	ULNA			Instructed
Howmedica Inc.	United Kingdom	VITALLIUM	698632	698632	Registered
Howmedica Inc.	United Kingdom	VITALLIUM	661015	661015	Registered
Howmedica Inc.	United Kingdom	VITALOCK			Instructed
Howmedica Inc.	United Kingdom	X-CHANGE			Instructed
Howmedica Inc.	United Kingdom	XIA			Instructed
Howmedica Inc.	United Kingdom	ZETA MULTIZONE LOCKING NAIL SYSTEM	2177824		Pending
Howmedica Inc.	United States of America	ALTA	73/642809	1479492	Registered
Howmedica Inc.	United States of America	APEX	75/127423	2065134	Registered
Howmedica Inc.	United States of America	ARTISAN	75/019804	2058373	Registered
Howmedica Inc.	United States of America	ASNIS 2	74/584672	1931325	Registered
Howmedica Inc.	United States of America	ATS	431858	1317888	Registered
Howmedica Inc.	United States of America	BONESOURCE	437039	1977064	Registered
Howmedica Inc.	United States of America	CHIRODRIVE	75/347930		Published
Howmedica Inc.	United States of America	CITATION	75/041641	2104075	Registered
Howmedica Inc.	United States of America	COMMAND	74/542670	1977273	Registered
Howmedica Inc.	United States of America	CRYSTALCOAT	74/122866	1802637	Registered
Howmedica Inc.	United States of America	DEFINITION	74/542672	1973383	Registered
Howmedica Inc.	United States of America	DURACON	74/166805	1767983	Registered
Howmedica Inc.	United States of America	DURATION	74/516840	2049424	Registered
Howmedica Inc.	United States of America	FHS	73/621494	1441120	Registered
Howmedica Inc.	United States of America	FIRSTSTEP	74/409942	1912401	Registered
Howmedica Inc.	United States of America	HD2	73/622815	1473003	Registered
Howmedica Inc.	United States of America	HIP DEVICE IN HEXAGON	178786	1133574	Registered
Howmedica Inc.	United States of America	HOFFMANN	73-210039	1233445	Registered
Howmedica Inc.	United States of America	HOWMEDICA	73-039979	1026669	Registered

HOWMEDICA INC. TRADEMARKS

Owner	Country	Trademark	Application Number	Registration Number	Status
Howmedica Inc.	United States of America	HOWMEDICA BONE-DRI	74/096461	1659637	Registered
Howmedica Inc.	United States of America	HOWMEDICA MIX-KIT	73-177822	1183619	Registered
Howmedica Inc.	United States of America	INTERAX	75/341288		Published
Howmedica Inc.	United States of America	KINEMATIC	73/747341	1568170	Registered
Howmedica Inc.	United States of America	KINEMAX	73/711128	1504769	Registered
Howmedica Inc.	United States of America	LUHR	74/209424	1742978	Registered
Howmedica Inc.	United States of America	MAINSTAY	74/612227	2044421	Registered
Howmedica Inc.	United States of America	MERIDIAN	74/542669	1975352	Registered
Howmedica Inc.	United States of America	MONOGRAM	74/351549	1838399	Registered
Howmedica Inc.	United States of America	MONOTUBE	74/356279	1832091	Registered
Howmedica Inc.	United States of America	ORTHOPAEDIC RESOURCE	75/175477	2165178	Registered
Howmedica Inc.	United States of America	OSTEOSTAT	75/112484	2104255	Registered
Howmedica Inc.	United States of America	P.C.A.	74/439970	1866870	Registered
Howmedica Inc.	United States of America	PARTNERSHIP	74/665608	2095606	Registered
Howmedica Inc.	United States of America	PC/DOCTOR	74/357320	1898001	Registered
Howmedica Inc.	United States of America	PC/RADSCAN	75/338089		Published
Howmedica Inc.	United States of America	PERI-APATITE	74/545911		Published
Howmedica Inc.	United States of America	POWER-PAK	73/762680	1548153	Registered
Howmedica Inc.	United States of America	PREMISE	74/196373	1698944	Registered
Howmedica Inc.	United States of America	RELIANCE	74/542671	2012367	Registered
Howmedica Inc.	United States of America	SENTRY	74/346045	1879162	Registered
Howmedica Inc.	United States of America	STRATA	74/329220	2101729	Registered
Howmedica Inc.	United States of America	SURGICAL SIMPLEX	83196	1071263	Registered
Howmedica Inc.	United States of America	SYSTEM 12	74/435612	1882908	Registered

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HOWMEDICA INC. TRADEMARKS

Owner	Country	Trademark	Application Number	Registration Number	Status
Howmedica Inc.	United States of America	TMZF	74/575768	2037530	Registered
Howmedica Inc.	United States of America	UCP	73/086686	1059114	Registered
Howmedica Inc.	United States of America	UNITRAX	74/081185	1692755	Registered
Howmedica Inc.	United States of America	V IN SHIELD DESIGN (VITALLIUM)		600074	Registered
Howmedica Inc.	United States of America	VITALLIUM	635342	581911	Registered
Howmedica Inc.	United States of America	VITALLIUM		577389	Registered
Howmedica Inc.	United States of America	VITALLIUM	73/038624	1026668	Registered
Howmedica Inc.	United States of America	VITALLIUM	53571	691770	Registered
Howmedica Inc.	United States of America	VITALLIUM	71/330648	300852	Registered
Howmedica Inc.	United States of America	VITALLIUM (Stylized)	75/192922	2109074	Registered
Howmedica Inc.	United States of America	VITALLIUM 2	73/020221	1004178	Registered
Howmedica Inc.	United States of America	VITALLIUM AND DESIGN		338082	Registered
Howmedica Inc.	United States of America	VITALLIUM and Shield Design	75/192923	2168994	Registered
Howmedica Inc.	United States of America	VITALOCK	74/368571	1884275	Registered
Howmedica Inc.	United States of America	WICHITA	75/239663	2166585	Registered
Howmedica Inc.	United States of America	XIA			Instructed
Howmedica Inc.	United States of America	ZETA MULTIZONE LOCKING NAIL SYSTEM	75/523181		Pending
Howmedica Inc.	United States of America	ZETA MX	75/523186		Pending
Howmedica Inc.	United States of America	ZETA MX MULTIZONE LOCKING NAIL SYSTEM	75/523182		Pending
Howmedica Inc.	Uruguay	VITALLIUM & DESIGN	150893	212245	Registered
Howmedica Inc.	Venezuela	VITALLIUM	947/53/2	947/53/2	Registered
Howmedica Inc.	Venezuela	ABG	9693/91	162206F	Registered
Howmedica Inc.	Venezuela	CHIRODRILL	5569/82	116935-F	Registered
Howmedica Inc.	Venezuela	GROSSE AND KEMPF	9695/91	F172078	Registered
Howmedica Inc.	Venezuela	HOWMEDICA	5567/82	115668-F	Registered
Howmedica Inc.	Venezuela	HOWMEDICA	5568/82	19069	Registered
Howmedica Inc.	Venezuela	HOWMEDICA MONOTUBE	9697/91	F162207	Registered

HOWMEDICA INC. TRADEMARKS

Owner	Country	Trademark	Applic. No.	Registration No.	Status
Howmedica Inc.	Venezuela	KINEMAX	9698/91	F172079	Registered
Howmedica Inc.	Venezuela	P.C.A.	9700/91	F172080	Registered
Howmedica Inc.	Venezuela	PORTO-VAC	5214/75	84705	Registered
Howmedica Inc.	Venezuela	V (LABEL)	5334/75	84700	Registered
Howmedica Inc.	Venezuela	VITALLIUM (LABEL)	UNKNOWN	27389	Ren ins
Howmedica Inc.	Yugoslavia	ABG	2576/91	38394	Registered

PFIZER HOSPITAL PRODUCTS GROUP, INC. TRADEMARKS
(Now Howmedica Inc.)

Group	Country	Trademark	Application Number	Registration Number	Status
Pfizer Hospital Products Group	Argentina	CRYSTALCOAT	1861081	1499614	Registered
Pfizer Hospital Products Group	Argentina	VITALLIUM	A1486562	1292143	Ren ins
Pfizer Hospital Products Group	Austria	CRYSTALCOAT	AM4928/92	151454	Registered
Pfizer Hospital Products Group	Austria	DURACON	AM1578/92	142963	Registered
Pfizer Hospital Products Group	Austria	GAMMA	AM1278/88	121979	Registered
Pfizer Hospital Products Group	Austria	GAMMA LOCKING NAIL	AM1277/88	121484	Registered
Pfizer Hospital Products Group	Austria	GAMMA LOCKING NAIL & DEVICE	AM1279/88	121485	Registered
Pfizer Hospital Products Group	Austria	HOWMEDICA MONOTUBE	AM2658/91	138052	Registered
Pfizer Hospital Products Group	Austria	HOWMEDICA PCA	AM1214/85	111103	Registered
Pfizer Hospital Products Group	Austria	INTERAX	AM5898/91	143237	Registered
Pfizer Hospital Products Group	Austria	VITALLIUM & DESIGN		27196	Registered
Pfizer Hospital Products Group	Bolivia	FAMION	9765	54154-C	Registered
Pfizer Hospital Products Group	Bolivia	HOWMEDICA BONE-DRI	9768	54163-C	Registered
Pfizer Hospital Products Group	Bolivia	HOWMEDICA MONOTUBE	9762	54157-C	Registered
Pfizer Hospital Products Group	Bolivia	LUHR	9760	54159-C	Registered
Pfizer Hospital Products Group	Bolivia	OSTEOLOCK	9759	54160-C	Registered
Pfizer Hospital Products Group	Bolivia	SOUTER STRATHCLYDE	9757	54162-C	Registered
Pfizer Hospital Products Group	Bophuthatswana	VITALLIUM	947/53/1	947/53/1	Registered
Pfizer Hospital Products Group	Bophuthatswana	VITALLIUM	947/53/2	947/53/2	Registered
Pfizer Hospital Products Group	Bophuthatswana	VITALLIUM & DESIGN		700/45	Registered
Pfizer Hospital Products Group	Bophuthatswana	VITALLIUM & DEVICE	948/53/1	948/53/1	Registered
Pfizer Hospital Products Group	Bophuthatswana	VITALLIUM & DEVICE	948/53/2	948/53/2	Registered
Pfizer Hospital Products Group	Colombia	CENTRAX	342019	147108	Registered
Pfizer Hospital Products Group	Colombia	FAMION	341843	152198	Registered

PFIZER HOSPITAL PRODUCTS GROUP, INC. TRADEMARKS
(Now Howmedica Inc.)

Group	Country	Trademark	Registration Number	Registration Number	Status
Pfizer Hospital Products Group	Colombia	HOWMEDICA BONE-DRI	342023	147107	Registered
Pfizer Hospital Products Group	Colombia	LUHR	341840	153712	Registered
Pfizer Hospital Products Group	Colombia	OSTEOLOCK	341839	153711	Registered
Pfizer Hospital Products Group	Colombia	SOUTER STRATHCLYDE	342020	147944	Registered
Pfizer Hospital Products Group	Croatia	PCA	246/85	31380	Ren ins
Pfizer Hospital Products Group	Croatia	SURGICAL SIMPLEX	Z619/91	37647	Registered
Pfizer Hospital Products Group	Cuba	SURGICAL SIMPLEX		113113	Ren ins
Pfizer Hospital Products Group	France	DURACON	414635	92414635	Registered
Pfizer Hospital Products Group	Hungary	R ROY CAMILLE	2253/3540/91	133984	Registered
Pfizer Hospital Products Group	India	HOWMEDICA	UNKNOWN	406905B	Registered
Pfizer Hospital Products Group	Italy	INTERAX	RM92C000277	637010	Registered
Pfizer Hospital Products Group	Malaysia	GAMMA AP	92/06460		Pending
Pfizer Hospital Products Group	Mexico	DURACON	141819	421797	Registered
Pfizer Hospital Products Group	Mexico	FAMION	115672	403112	Registered
Pfizer Hospital Products Group	Mexico	HOWMEDICA BONE-DRI	115670	403111	Registered
Pfizer Hospital Products Group	Mexico	HOWMEDICA MONOTUBE	115669	403110	Registered
Pfizer Hospital Products Group	Mexico	OSTEOLOCK	115665	425,266	Registered
Pfizer Hospital Products Group	Mexico	SOUTER STRATHCLYDE	115663	403108	Registered
Pfizer Hospital Products Group	Philippines	VITALLIUM & DESIGN	8819	3348	Registered
Pfizer Hospital Products Group	Poland	DURACON	Z109481	78695	Registered
Pfizer Hospital Products Group	Poland	FRANCOBAL	Z99975	74665	Registered
Pfizer Hospital Products Group	Puerto Rico	HOWMEDICA		22493	Registered
Pfizer Hospital Products Group	Puerto Rico	SURGICAL SIMPLEX		23149	Registered

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Pfizer Hospital Products Group, Inc. TRADEMARKS
(Now Howmedica Inc.)

			Application Number	Registration Number	Status
Pfizer Hospital Products Group	Puerto Rico	VITALLIUM	UNKNOWN	22494	Registered
Pfizer Hospital Products Group	Puerto Rico	VITALLIUM & DESIGN		8172	Registered
Pfizer Hospital Products Group	Russian Federation	R. ROY-CAMILLE	142302	105902	Registered
Pfizer Hospital Products Group	Saudi Arabia	P.C.A.	4805	168/25	Ren ins
Pfizer Hospital Products Group	Slovak Republic	AKZ			Pending
Pfizer Hospital Products Group	Slovak Republic	EXETER			Instructed
Pfizer Hospital Products Group	Slovak Republic	GROSSE/KEMPF	170850		Pending
Pfizer Hospital Products Group	Slovak Republic	GROSSE/KEMPF		181085	Registered
Pfizer Hospital Products Group	Slovak Republic	KINEMATIC	170853		Pending
Pfizer Hospital Products Group	Slovak Republic	P.C.A.			Instructed
Pfizer Hospital Products Group	Spain	GAMMA LOCKING NAIL & DESIGN	1246366	1246366	Registered
Pfizer Hospital Products Group	Syria	VITALLIUM & ARABIC	13993	12004	Registered
Pfizer Hospital Products Group	Thailand	GAMMA AP	231068	3875	Registered
Pfizer Hospital Products Group	Thailand	SURGICAL SIMPLEX	117132	78180	Registered
Pfizer Hospital Products Group	Thailand	VITALLIUM & DESIGN	27263	17866	Registered
Pfizer Hospital Products Group	Transkei	VITALLIUM	87/0970	87/0970	Registered
Pfizer Hospital Products Group	Transkei	VITALLIUM	87/0969	87/0969	Registered
Pfizer Hospital Products Group	Transkei	VITALLIUM SHIELD DESIGN	87/0971	87/0971	Registered
Pfizer Hospital Products Group	Transkei	VITALLIUM SHIELD DESIGN	87/0972	87/0972	Registered
Pfizer Hospital Products Group	United Kingdom	DUO-DRIV	903377	B903377	Registered
Pfizer Hospital Products Group	United Kingdom	HOWMEDICA PCA	1241478	1241478	Registered
Pfizer Hospital Products Group	United Kingdom	PORTO-VAC	926119	926119	Registered
Pfizer Hospital Products Group	United Kingdom	SPHEROLOCK	1401273	1401273	Registered
Pfizer Hospital Products Group	Venda	VITALLIUM	947/53/1	947/53/1	Registered

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PFIZER HOSPITAL PRODUCTS GROUP, INC. TRADEMARKS
(Now Howmedica Inc.)

Group	Country	Trademark	Application Number	Registration Number	Status
Pfizer Hospital Products Group	Venda	VITALLIUM & DEVICE	948/53/1	948/53/1	Registered
Pfizer Hospital Products Group	Venda	VITALLIUM & DEVICE	948/53/2	948/53/2	Registered
Pfizer Hospital Products Group	Venda	VITALLIUM DEVICE	700/45	700/45	Registered
Pfizer Hospital Products Group	Venezuela	GAMMA LOCKING NAIL AND DESIGN	10736/91	F172128	Registered
Pfizer Hospital Products Group	Vietnam	EXETER	7552	6662	Registered
Pfizer Hospital Products Group	Vietnam	GAMMA LOCKING NAIL & DESIGN	7560	6667	Registered
Pfizer Hospital Products Group	Vietnam	GROSSE AND KEMPF	7559	6666	Registered
Pfizer Hospital Products Group	Vietnam	HOWMEDICA	7558	6665	Registered
Pfizer Hospital Products Group	Vietnam	INTERAX	N082/92	6960	Registered
Pfizer Hospital Products Group	Vietnam	KINEMATIC	N080/92	6958	Registered
Pfizer Hospital Products Group	Vietnam	KINEMAX	N079/92	6957	Registered
Pfizer Hospital Products Group	Vietnam	LUHR	N081/92	6959	Registered
Pfizer Hospital Products Group	Vietnam	MONOTUBE	7555	6664	Registered
Pfizer Hospital Products Group	Vietnam	SURGICAL SIMPLEX	7554	6663	Registered
Pfizer Hospital Products Group	Vietnam	VITALLIUM	7551	6661	Registered
Pfizer Hospital Products Group	Yugoslavia	AKZ	Z1226/91	38164	Registered
Pfizer Hospital Products Group	Yugoslavia	EXETER	577/91	37811	Registered
Pfizer Hospital Products Group	Yugoslavia	GROSSE/KEMPF	Z578/91	37812	Registered
Pfizer Hospital Products Group	Yugoslavia	HOWMEDICA MONOTUBE	Z579/91	37813	Registered
Pfizer Hospital Products Group	Yugoslavia	KINEMATIC	Z581/91	37814	Registered
Pfizer Hospital Products Group	Yugoslavia	KINEMAX	Z581/91	37815	Registered
Pfizer Hospital Products Group	Yugoslavia	LUHR	Z1227/91	38166	Registered
Pfizer Hospital Products Group	Yugoslavia	P.C.A.	Z1228/91	38149	Registered

PFIZER HOSPITAL PRODUCTS GROUP, INC. TRADEMARKS
(Now Howmedica Inc.)

Applicant	Country	Trademark	Application Number	Registration Number	Status
Pfizer Hospital Products Group	Yugoslavia	PCA	246/85	31380	Ren ins
Pfizer Hospital Products Group	Yugoslavia	R. ROY-CAMILLE	Z1672/91	38451	Registered
Pfizer Hospital Products Group	Yugoslavia	SURGICAL SIMPLEX	Z619/91	37647	Registered
Pfizer Hospital Products Group	Yugoslavia	VITALLIUM	Z583/91	37816	Registered
Pfizer Hospital Products Group	Zimbabwe	VITALLIUM & DESIGN	1229/61	1229/61	Registered
Pfizer Hospital Products Group	Zimbabwe	VITALLIUM & DESIGN		1230/61	Registered

SCHEDULE A

Copyrighted Works

<u>United States Registration No.</u>	<u>Title</u>
TX-429-547	Managers' Evaluation Manual for the Deknatel Personnel Evaluation Procedure
TX-4-691-309	PC / DOCTOR for Windows
TX-4-750-249	PC / RadScan, Version 1.0 Computer Program

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STRYKER COPYRIGHTS

TITLE	STATUS	REG. NO.	DATE OF REG.	OWNER
Osteonics surgical protocol	Registered	TX1242582	12/2/83	Osteonics
Osteonics MC1 metal-backed acetabular cup system	Registered	TX1242581	12/2/83	Osteonics
Osteonics HS1N normalized proportional femoral stem system	Registered	TX1242580	12/2/83	Osteonics
Osteonics FS1N normalized proportional femoral stem system in titanium alloy	Registered	TX1242579	12/2/83	Osteonics
Osteonics UH1 universal head system	Registered	TX1242578	12/2/83	Osteonics
Osteonics, the science of better fit	Registered	TX1242577	12/2/83	Osteonics
TPS control console command code : source code	Registered	TX4459866	1/13/97	Stryker
Stryker microprocessor controlled hospital bed	Registered	TX1785225	2/10/86	Stryker
Osteonics surgical protocol	Registered	TX1242582	12/2/83	Osteonics