Form PTO-1594 (Rev. 07/05)
OMB Collection 0651-0027 (exp. 6/30/2008)

U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office

RECORDATION FORM COVER SHEET
TRADEMARKS ONLY

To the Director of the U. S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies):
NXSTAGE MEDICAL, INC.

☐ Individual(s) ☐ Association
☐ General Partnership ☐ Limited Partnership
☑ Corporation- State: DELAWARE
☐ Other

Citizenship (see guidelines) DELAWARE

Additional names of conveying parties attached? ☑ Yes ☑ No

2. Name and address of receiving party(ies)
Additional names, addresses, or citizenship attached? ☐ Yes ☐ No

Name: GE BUSINESS FINANCIAL SERVICES INC.
Internal Address: c/o GE Healthcare Financial Services, Inc., LSF
Street Address: 83 Wooster Heights Road, Fifth Floor
City: Danbury
State: CT
Country: USA Zip: 06810

☐ Association Citizenship
☐ General Partnership Citizenship
☐ Limited Partnership Citizenship
☑ Corporation Citizenship Delaware
☐ Other Citizenship

If assignee is not domiciled in the United States, a domestic representative designation is attached: ☐ Yes ☐ No
(Designations must be a separate document from assignment)

3. Nature of conveyance)/Execution Date(s) :
Execution Date(s) MARCH 16, 2009

☐ Assignment ☐ Merger
☑ Security Agreement ☐ Change of Name
☐ Other

4. Application number(s) or registration number(s) and identification or description of the Trademark.

A. Trademark Application No.(s)
SEE ATTACHED SCHEDULE 2

B. Trademark Registration No.(s)
SEE ATTACHED SCHEDULE 2

Additional sheet(s) attached? ☑ Yes ☐ No

C. Identification or Description of Trademark(s) (and Filing Date if Application or Registration Number is unknown):

5. Name & address of party to whom correspondence concerning document should be mailed:
Name: CT LIEN SOLUTIONS
Internal Address:
Street Address: 187 WOLF ROAD STE 101
City: ALBANY
State: NY Zip: 12205
Phone Number: 800-342-3676 X4064
Fax Number: 800-962-7049
Email Address: ds-ctlselbany@wolterskluwer.com

6. Total number of applications and registrations involved: 22

7. Total fee (37 CFR 2.6(b)(6) & 3.41) $ 565
☑ Authorized to be charged by credit card
☐ Authorized to be charged to deposit account
☐ Enclosed

8. Payment Information:
a. Credit Card Last 4 Numbers 5683
Expiration Date 11/09
b. Deposit Account Number
Authorized User Name

9. Signature: [signature] 3/25
Signature Date

Joseph D. Borgman
Name of Person Signing

Total number of pages including cover sheet, attachments, and document: 39

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

OP $490.00 78931548

ADDITIONAL CONVEYING PARTIES

EIR MEDICAL, INC, A MASSACHUSETTS CORPORATION

MEDISYSTEMS CORPORATION, A WASHINGTON CORPORATION

MEDISYSTEMS SERVICES CORPORATION, A NEVADA CORPORATION

Schedule 2

Patents and Trademarks

See attached schedules

Client: 19918 NxStage Medical, Inc.

Trademark	Status Case Number / Sub Case	Serial Number Reg Number	Filing Date Reg Date	Client Ref Number Next Action(s)	Due Date(s)
LIFEMATE (LOGO) *Country:* European Community *Classes:* 10	Registered 19918-004/116	1546837 1546837	08-Mar-2000 08-Mar-2000	**First Renewal**	**07-Mar-2010**
LIFESTREAM *Country:* European Community *Classes:* 10	Registered 19918-036/116	877092 877092	15-Jul-1998 26-Aug-1999	**Next Renewal**	**31-Aug-2018**
LOCKSITE *Country:* United States of America *Classes:* 10	Registered 19918-019/	76/489216 3,265,436	11-Feb-2003 17-Jul-2007	**Aff of Use - 6 Year**	**17-Jul-2013**
MASTERGEL *Country:* United States of America *Classes:* 5	Registered 19918-022/	78/458430 3,308,225	28-Jul-2004 09-Oct-2007	**Aff of Use - 6 Year**	**09-Oct-2013**
MASTERGUARD *Country:* European Community *Classes:* 10	Registered 19918-030/116	701912 701912	12-Dec-1997 12-Dec-1997	**Next Renewal**	**31-Dec-2017**
MASTERGUARD *Country:* Mexico *Classes:* 10	Registered 19918-030/042	318343 569820	19-Dec-1997 19-Dec-1997	**Next Renewal**	**19-Dec-2017**

Client: 19918 NxStage Medical Inc

Trademark	Status Case Number / Sub Case	Serial Number Reg Number	Filing Date Reg Date	Client Ref Number Next Action(s)	Due Date(s)
MASTERGUARD *Country:* United States of America *Classes:* 10	Registered 19918-030/	75/000920 2,162,400	03-Oct-1995 02-Jun-1998	**Next Renewal** **Aff of Use - Recurring**	**02-Jun-2018** **02-Jun-2018**
MASTERLOCK *Country:* United States of America *Classes:* 10	Allowed 19918-018/	78/931548	18-Jul-2006	**Third EXT due in 1M** **Use or Extension Due 1M**	**25-May-2009** **25-May-2009**
MASTERSEAL *Country:* European Community *Classes:* 10	Registered 19918-035/116	994962 994962	19-Nov-1998 31-Jan-2000	**Next Renewal**	**19-Nov-2018**
MASTERSEAL *Country:* Mexico *Classes:* 10	Registered 19918-035/042	355767 606679	27-Nov-1998 27-Nov-1998	**Next Renewal**	**27-Nov-2018**
MASTERSEAL *Country:* United States of America *Classes:* 10	Registered 19918-035/	75/492635 2,492,985	28-May-1998 25-Sep-2001	**First Renewal** **Aff of Use - Recurring**	**25-Sep-2011** **25-Sep-2011**
MEDIC *Country:* European Community *Classes:* 10	Registered 19918-033/116	701938 701938	12-Dec-1997 12-Dec-1997	**Next Renewal**	**31-Dec-2017**

Client: 19918 — NxStage Medical, Inc.

Trademark	Status Case Number / Sub Case	Serial Number Reg Number	Filing Date Reg Date	Client Ref Number Next Action(s)	Due Date(s)
MEDIC *Country:* United States of America *Classes:* 10	Registered 19918-033/	74/454253 1,855,659	04-Nov-1993 27-Sep-1994	Next Renewal Aff of Use - Recurring	27-Sep-2014 27-Sep-2014
MEDISYSTEMS *Country:* Germany *Classes:* 10	Registered 19918-017/016	399774168.2/10 39974168	25-Nov-1999 27-Apr-2000	Next Renewal	25-Nov-2019
MEDISYSTEMS *Country:* Italy *Classes:* 10	Registered 19918-017/031	RM200C00462 896885	28-Jan-2000 06-Nov-2003	First Renewal	28-Jan-2010
MEDISYSTEMS *Country:* Mexico *Classes:* 10	Registered 19918-017/042	318361 569829	19-Dec-1997 19-Dec-1997	Next Renewal	19-Dec-2017
MEDISYSTEMS *Country:* United States of America *Classes:* 10	Registered 19918-017/	75/443438 2,322,952	02-Mar-1998 29-Feb-2000	First Renewal Aff of Use - Recurring	28-Feb-2010 28-Feb-2010
MEDISYSTEMS (LOGO) *Country:* European Community *Classes:* 10	Registered 19918-029/116	1269950 1269950	31-Aug-1999 03-Oct-2000	First Renewal	31-Aug-2009

Client: 19918 - NxStage Medical Inc

Trademark	Status Case Number / Sub Case	Serial Number Reg Number	Filing Date Reg Date	Client Ref Number Next Action(s)	Due Date(s)
MISCELLANEOUS DESIGN - MEDISYSTEMS (LOGO) *Country:* United States of America *Classes:* 10	Registered 19918-029/	76/152564 2,500,286	24-Oct-2000 23-Oct-2001	First Renewal Aff of Use - Recurring	23-Oct-2011 23-Oct-2011
NxRx *Country:* United States of America *Classes:* 42	Pending 19918-013/	77/544488	12-Aug-2008	DEADLINE TO RESP TO 6M O.A.	24-May-2009
NXSTAGE *Country:* Canada	Registered 19918-002/008	1049861 577,543	07-Mar-2000 18-Mar-2003	First Renewal	18-Mar-2018
NXSTAGE *Country:* European Community *Classes:* 10	Registered 19918-002/116	1557586 1557586	08-Mar-2000 08-Mar-2000	First Renewal	07-Mar-2010
NXSTAGE *Country:* Japan *Classes:* 10	Registered 19918-002/032	2000-024234 4550196	13-Mar-2000 08-Mar-2002	First Renewal	08-Mar-2012
NXSTAGE *Country:* United States of America *Classes:* 10	Registered 19918-002/	75/800711 2,565,759	15-Sep-1999 30-Apr-2002	First Renewal Aff of Use - Recurring	30-Apr-2012 30-Apr-2012

Client: 19918 - NxStage Medical, Inc.

Trademark	Status Case Number / Sub Case	Serial Number Reg Number	Filing Date Reg Date	Client Ref Number Next Action(s)	Due Date(s)
NXSTAGE (LOGO) *Country:* Canada	Registered 19918-003/008	1049860 576,481	07-Mar-2000 26-Feb-2003	**First Renewal**	**26-Feb-2018**
NXSTAGE (LOGO) *Country:* European Community *Classes:* 10	Registered 19918-003/116	1546563 1546563	08-Mar-2000 08-Mar-2000	**First Renewal**	**07-Mar-2010**
NXSTAGE (LOGO) *Country:* Japan *Classes:* 10	Registered 19918-003/032	2000-024235 4539036	13-Mar-2000 25-Jan-2002	**First Renewal**	**25-Jan-2012**
NXSTAGE (LOGO) *Country:* United States of America *Classes:* 10	Registered 19918-003/	75/800705 2,565,758	15-Sep-1999 30-Apr-2002	**First Renewal** **Aff of Use - Recurring**	**30-Apr-2012** **30-Apr-2012**
POINTGUARD *Country:* European Community *Classes:* 10	Registered 19918-031/116	3586013 3586013	16-Dec-2003 28-Feb-2005	**First Renewal**	**16-Dec-2013**
PROTECTING YOU...WHILE YOU CARE FOR YOUR PATIENT *Country:* United States of America *Classes:* 10	Registered 19918-034/	75/542481 2,601,448	25-Aug-1998 30-Jul-2002	**First Renewal** **Aff of Use - Recurring**	**30-Jul-2012** **30-Jul-2012**

Trademark	Status Case Number / Sub Case	Serial Number Reg Number	Filing Date Reg Date	Client Ref Number Next Action(s)	Due Date(s)
READYSET *Country:* European Community *Classes:* 10	Registered 19918-032/116	701870 701870	12-Dec-1997 12-Dec-1997	Next Renewal	12-Dec-2017
READYSET *Country:* Mexico *Classes:* 10	Registered 19918-032/042	318363 569831	19-Dec-1997 19-Dec-1997	Next Renewal	19-Dec-2017
READYSET *Country:* United States of America *Classes:* 10	Registered 19918-032/	74/454340 1,850,632	04-Nov-1993 23-Aug-1994	Next Renewal	23-Aug-2014
REVERSO *Country:* United States of America *Classes:* 10	Registered 19918-021/	78/458427 3,412,661	28-Jul-2004 15-Apr-2008	Aff of Use - 6 Year	15-Apr-2014
SAMESITE *Country:* United States of America *Classes:* 10	Registered 19918-027/	75/701676 2,439,340	10-May-1999 27-Mar-2001	First Renewal Aff of Use - Recurring	27-Mar-2011 27-Mar-2011
SLIPCOAT *Country:* Mexico *Classes:* 10	Registered 19918-036/042	318362 569830	19-Dec-1997 19-Dec-1997	Next Renewal	19-Dec-2017

Trademark Status Report by Client

Client: 19918 - NxStage Medical, Inc.

Trademark	Status Case Number / Sub Case	Serial Number Reg Number	Filing Date Reg Date	Client Ref Number Next Action(s)	Due Date(s)
STERIPICK *Country:* United States of America *Classes:* 10	Registered 19918-016/	77/159629 3,496,624	18-Apr-2007 02-Sep-2008	Aff of Use - 6 Year	02-Sep-2014
STREAMLINE *Country:* United States of America *Classes:* 10	Registered 19918-026/	76/118725 3,127,215	23-Aug-2000 08-Aug-2006	Aff of Use - 6 Year	08-Aug-2012
TWINPACK + *Country:* United States of America *Classes:* 10	Registered 19918-020/	76/546380 2,957,785	22-Sep-2003 31-May-2005	Aff of Use - 6 Year	31-May-2011
VIRAGUARD *Country:* United States of America *Classes:* 10	Registered 19918-028/	76/315038 2,712,842	20-Sep-2001 06-May-2003	First Renewal Aff of Use - Recurring	06-May-2013 06-May-2013

INTELLECTUAL PROPERTY SECURITY AGREEMENT

This INTELLECTUAL PROPERTY SECURITY AGREEMENT (this "Agreement"), dated as of March 16, 2009, is made by NXSTAGE MEDICAL, INC., a Delaware corporation ("NxStage"), EIR MEDICAL, INC., a Massachusetts corporation ("EIR"), MEDISYSTEMS CORPORATION, a Washington corporation ("MDS") and MEDISYSTEMS SERVICES CORPORATION, a Nevada corporation ("MSC" and together with NxStage, EIR and MDS, "Grantor"), in favor of GE BUSINESS FINANCIAL SERVICES INC. (formerly known as Merrill Lynch Business Financial Services Inc.) ("GE"), in its capacity as administrative agent (together with its successors and permitted assigns, the "Administrative Agent") for the Lenders (as defined in the Credit Agreement referred to below).

W I T N E S S E T H

WHEREAS, pursuant to that certain Credit and Security Agreement, dated as of November 21, 2007 as amended by Amendment No. 1 to Credit and Security Agreement dated as of June 27, 2008, Amendment No. 2 to Credit and Security Agreement dated as of June 30, 2008 and Amendment No. 3 to Credit and Security Agreement dated as of October 14, 2008 and Amendment No. 4 to Credit and Security Agreement dated as of the date hereof (as the same may be amended, restated, replaced, supplemented or otherwise modified from time to time, the "Credit Agreement"), by and among Grantor, the financial institutions or other entities from time to time parties thereto, each as a Lender (the "Lenders") and the Administrative Agent, the Lenders have severally agreed to make extensions of credit to the Grantor upon the terms and subject to the conditions set forth therein; and

WHEREAS, pursuant to that certain Amendment No. 4 to Credit and Security Agreement dated as of the date hereof (the "Fourth Amendment"), and in consideration of the amendments provided to Grantor thereunder, Grantor is required to execute and deliver this Agreement.

NOW, THEREFORE, in consideration of the premises and mutual covenants herein contained and to induce the Lenders and the Administrative Agent to enter into the Fourth Amendment and to induce the Lenders to continue to make their respective extensions of credit to Grantor under the Credit Agreement, and for other good and valuable considerations, the receipt and sufficiency of which are hereby acknowledged, the parties hereto agree as follows:

Section 1. Defined Terms. Capitalized terms used herein without definition are used as defined in the Credit Agreement.

Section 2. Grant of Security Interest in Intellectual Property Collateral. As collateral security for the prompt and complete payment and performance when due (whether at stated maturity, by acceleration or otherwise) of the Obligations, Grantor hereby mortgages, pledges, grants and hypothecates to the Administrative Agent, for the ratable benefit of the Lenders, a Lien on and security interest in, all of its right, title and interest in, to and under the following Collateral of Grantor (the "Intellectual Property Collateral"):

(a) all of its trade secrets and rights under any written agreement granting any right to use trade secrets;

(b) all of its copyrights and rights under any written agreement granting any right to use copyrights, including, without limitation, those referred to on Schedule 1 hereto, together with all renewals, reversions and extensions of the foregoing;

(c) all of its trademarks and rights under any written agreement granting any right to use trademarks, including, without limitation, those referred to on Schedule 2 hereto, together with all renewals, reversions and extensions of the foregoing;

(d) all goodwill of the business connected with the use of, and symbolized by, each such trademark covered by clause (c) above;

(e) all of its US patents and rights under any written agreement granting any right to use US patents, including, without limitation, those referred to on Schedule 2 hereto, together with all reissues, reexaminations, continuations, continuations-in-part, divisionals, renewals and extensions of the foregoing;

(f) all of its US patent applications and rights under any written agreement granting any right to use US patent applications, including, without limitation, those referred to on Schedule 2 hereto, together with all reissues, reexaminations, continuations, continuations-in-part, divisionals, renewals and extensions of the foregoing;

(g) to the extent permissible under the applicable laws of each relevant foreign jurisdiction, all of its Patent Cooperation Treaty ("PCT") patent applications and rights under any written agreement granting any right to use PCT patent applications, including, without limitation, those referred to on Schedule 2 hereto;

(h) to the extent permissible under the applicable laws of each relevant foreign jurisdiction, all of its foreign patents and patent applications, and rights under any written agreement granting any right to use foreign patents and patent applications, including, without limitation, those referred to on Schedule 2 hereto, together with all reissues, reexaminations, continuations, continuations-in-part, divisionals, renewals and extensions of the foregoing;

(i) all applications, registrations, claims, products, awards, judgments, amendments, improvements and insurance claims related to the foregoing now or hereafter owned or licensed by Grantor, or any claims for damages by way of any past, present, or future infringement of any of the foregoing, together with all accessions and additions thereto, proceeds and products thereof (including, without limitation, any proceeds resulting under insurance policies); provided, further, that the Intellectual Property Collateral shall include, without limitation, all cash, royalty fees, other proceeds, accounts and general intangibles that consist of rights of payment to or on behalf of Grantor or proceeds from the sale, licensing or other disposition of all or any part of, or rights in, the Intellectual Property Collateral by or on behalf of Grantor; and

(j) all income, royalties, proceeds and liabilities at any time due or payable or asserted under and with respect to any of the foregoing, including, without limitation, all rights to sue and recover at law or in equity for any past, present and future infringement, misappropriation, dilution, violation or other impairment thereof.

Notwithstanding the foregoing, Intellectual Property Collateral shall not include any licenses which are now or hereafter held by any Borrower as licensee (i) if the licensor or other applicable party is not an Affiliate of the licensee and (ii) such licenses are not assignable or capable of being encumbered under the terms of the license or other agreement applicable thereto (unless and solely to the extent that any such restriction on assignment or encumbrance is ineffective under the UCC or other applicable law), without the consent of the licensor thereof or other applicable party thereto such consent has not been obtained after using commercially reasonable efforts to obtain such consent; provided, however, that the Collateral shall include any and all Proceeds of such licenses to the extent that any anti-assignment clause in any agreement relating thereto does not restrict the assignment or encumbering of such Proceeds, or if assignment or the granting of a Lien in such Proceeds is so restricted, solely to the extent that such restriction is ineffective under the UCC or other applicable law ; provided further that upon obtaining the consent of any such licensor or other applicable party to the assignment or encumbrance of such license or other agreement, or upon the termination or expiration of any such prohibition, such license as well as any and all Proceeds thereof that theretofore might have been excluded from such grant of a Security Interest shall automatically be subject to the security interest granted in favor of the Administrative Agent hereunder and become part of the Collateral.

Section 3. Credit Agreement. The security interest granted pursuant to this Agreement is granted in conjunction with, and in no way limiting, the security interest granted to the Administrative Agent pursuant to the Credit Agreement and each Grantor hereby acknowledges and agrees that the rights and remedies of the Administrative Agent with respect to the security interest in the Intellectual Property Collateral made and granted hereby are in addition to those set forth in the Credit Agreement, and those which are now or hereafter available to the Lenders and Administrative Agent as a matter of law or equity. Each right, power and remedy of the Lenders and Administrative Agent provided for herein or in the Credit Agreement, or now or hereafter existing at law or in equity shall be cumulative and concurrent and the exercise by the Lenders and Administrative Agent of any one or more of the rights, powers or remedies provided for in this Agreement, the Credit Agreement, or now or hereafter existing at law or in equity, shall not preclude the simultaneous or later exercise by any person, including the Lenders and Administrative Agent, of any or all other rights, powers or remedies.

Section 4. Grantor Remains Liable. Grantor hereby agrees that, anything herein to the contrary notwithstanding, Grantor shall retain full and complete responsibility for the prosecution, defense, enforcement or any other necessary or desirable actions in connection with the Intellectual Property Collateral.

Section 5. Counterparts. This Agreement may be executed in any number of counterparts and by different parties in separate counterparts, each of which when so executed shall be deemed to be an original and all of which taken together shall constitute one and the same agreement. Signature pages may be detached from multiple separate counterparts and attached to a single counterpart.

Section 6. Governing Law. This Agreement and the rights and obligations of the parties hereto shall be governed by, and construed and interpreted in accordance with, the law of the State of Illinois without regard to conflicts of laws principles.

[*Signature Pages Follow*]

In witness whereof, Grantor has caused this Intellectual Property Security Agreement to be executed and delivered by its duly authorized officer as of the date first set forth above.

GRANTOR:

NXSTAGE MEDICAL, INC.,
as Grantor

By: _____
Name: Jeffrey H. Burbank
Title: President

EIR MEDICAL, INC.,
as Grantor

By: _____
Name: Jeffrey H. Burbank
Title: President

MEDISYSTEMS SERVICES CORPORATION,
as Grantor

By: _____
Name: Jeffrey H. Burbank
Title: President

MEDISYSTEMS CORPORATION,
as Grantor

By: _____
Name: Jeffrey H. Burbank
Title: President

ACCEPTED AND AGREED
as of the date first above written:

GE BUSINESS FINANCIAL SERVICES INC.,
as Administrative Agent

By: _____
Name: _____
Title: _____

In witness whereof, Grantor has caused this Intellectual Property Security Agreement to be executed and delivered by its duly authorized officer as of the date first set forth above.

GRANTOR:

NXSTAGE MEDICAL, INC.,
as Grantor

By:_____
Name: _____
Title: _____

EIR MEDICAL, INC.,
as Grantor

By:_____
Name: _____
Title: _____

MEDISYSTEMS SERVICES CORPORATION,
as Grantor

By:_____
Name: _____
Title: _____

MEDISYSTEMS CORPORATION,
as Grantor

By:_____
Name: _____
Title: _____

ACCEPTED AND AGREED
as of the date first above written:

GE BUSINESS FINANCIAL SERVICES INC.,
as Administrative Agent

By:_____
Name:
Title: Duly Authorized Signatory

Schedule 1

Copyrights

No registered copyrights

Client: 19918 — NxStage Medical, Inc.

Trademark	Status Case Number / Sub Case	Serial Number Reg Number	Filing Date Reg Date	Client Ref Number Next Action(s)	Due Date(s)
ACCESS ALERT *Country:* European Community *Classes:* 10	Registered 19918-024/116	2416048 2416048	18-Oct-2001 18-Oct-2001	First Renewal	18-Oct-2011
ACCESS ALERT *Country:* Mexico *Classes:* 10	Registered 19918-024/042	516242 834595	09-Nov-2001 31-May-2004	First Renewal Proof of Use	09-Nov-2011 09-Nov-2011
ACCESS ALERT *Country:* United States of America *Classes:* 10	Registered 19918-024/	76/256339 2,547,174	14-May-2001 12-Mar-2002	First Renewal Aff of Use - Recurring	12-Mar-2012 12-Mar-2012
BUTTONHOLE *Country:* United States of America *Classes:* 10	Registered 19918-023/	76/330472 2,694,959	26-Oct-2001 11-Mar-2003	First Renewal Aff of Use - Recurring	11-Mar-2013 11-Mar-2013
FINGERSHIELD *Country:* United States of America *Classes:* 10	Registered 19918-025/	76/368221 2,872,892	07-Feb-2002 10-Aug-2004	Aff of Use - 6 Year	10-Aug-2010
LIFEMATE *Country:* European Community *Classes:* 10	Registered 19918-005/116	1546456 1546456	08-Mar-2000 08-Mar-2000	First Renewal	07-Mar-2010

Schedule 4.9 – Intellectual Property

NxStage Patents and Applications

Docket	US	Serial No.	Patent	Title	Status
T4342-14198US32	US	10/041,949	6,979,309	Systems And Methods For Performing Blood Processing And/Or Fluid Exchange Procedures	ISSUED
T4342-14517US01	US	09/174,721	7,004,924	Methods, Systems, And Kits For The Extracorporeal Processing Of Blood	ISSUED
T4342-14506US01	US	09/829,670	6,572,641	Devices For Warming Fluid And Methods Of Use	ISSUED
T4342-14198US22	US	10/796,787	7,147,613	Measurement Of Fluid Pressure In A Blood Treatment Device	ISSUED
T4342-14198US24	US	10/807,906	7,300,413	Blood Processing Machine And System Using Fluid Circuit Cartridge	ISSUED
T4342-14198US25	US	10/808,207	7,338,460	Blood Processing Machine Fluid Circuit Cartridge	ISSUED
T4342-14198US28	US	10/808,213	7,267,658	Renal Replacement Therapy Device For Controlling Fluid Balance Of Treated Patient	ISSUED
T4342-14198US05	US	10/913,815	7,347,849	Modular Medical Treatment Replaceable Component	ISSUED
T4342-14198US34	US	09/894,236	6,955,655	Hemofiltration System	ISSUED
T4342-14514JP01	JP	2003-512663	4118233	Method And Apparatus For Leak Detection In A Fluid Line	ISSUED
T4342-14514US01	US	09/900,362	6,572,576	Method And Apparatus For Leak Detection In A Fluid Line	ISSUED
T4342-14514US02	US	10/483,142	7,087,033	Method And Apparatus For Leak Detection In A Fluid Line	ISSUED
T4342-14515US01	US	10/037,429	7,040,142	Method And Apparatus For Leak Detection In Blood Circuits Combining External Fluid Detection And Air Infiltration Detection	ISSUED
T4342-14198US12	US	09/513,771	6,673,314	Interactive Systems And Methods For Supporting Hemofiltration Therapies	ISSUED
T4342-14495US01	US	09/904,712	6,702,561	Devices And Methods For Potting A Filter For Blood Processing	ISSUED

T4342-14504US04	US	09/905,246	6,649,063	Method For Performing Renal Replacement Therapy Including Producing Sterile Replacement Fluid In A Renal Replacementtherapy Unit	ISSUED
T4342-14504US01	US	10/650,935	7,214,312	Fluid Circuits, Systems, And Processes For Extracorporeal Blood Processing	ISSUED
T4342-14504US02	US	11/695,739	7,419,597	Fluid, Circuits, Systems, And Processes For Extracorporeal Blood Processing	ISSUED
T4342-14511US01	US	09/907,872	6,743,193	Hermetic Flow Selector Valve	ISSUED
T4342-14198US02	US	09/513,910	6,830,553	Blood Treatment Systems And Methods That Maintain Sterile Extracorporeal	ISSUED
T4342-14198US03	US	09/513,773	6,579,253	Fluid Processing Systems And Methods Using Extracorporeal Fluid Flow Panels Oriented Within A Cartridge	ISSUED
T4342-14198US04	US	09/865,905	6,852,090	Fluid Processing Systems And Methods Using Extracorporeal Fluid Flow	ISSUED
T4342-14507US01	US	09/512,132	6,254,567	Flow-Through Peritoneal Dialysis System And Methods With On-Line Dialysis Solution Regeneration	ISSUED
T4342-14198US14	US	09/512,929	6,638,477	Fluid Replacement Systems And Methods For Use In Hemofiltration	ISSUED
T4342-14198US13	US	09/512,927	6,589,482	Extracorporeal Circuits For Performing Hemofiltration Employing Pressure Sensing Without An Air Interface	ISSUED
T4342-14198US11	US	09/513,902	6,554,789	Layered Fluid Circuit Assemblies And Methods For Making Them	ISSUED
T4342-14198GB01	GB	98904867.3	0969887	Hemofiltration System	ISSUED
T4342-14198US16	US	09/513,915	6,595,943	Systems And Methods For Controlling Blood Flow And Waste Fluid Removal During Hemofiltration	ISSUED
T4342-14508US01	US	09/027,301	6,582,385	Hemofiltration System Including Ultrafiltrate Purification And Re-Infusion System	ISSUED
T4342-14198US09	US	09/513,911	6,638,478	Synchronized Volumetric Fluid Balancing Systems And Methods	ISSUED
T4342-14518US02	US	10/772,888	7,226,538	Fluid Processing Apparatus	ISSUED
T4342-14198US17	US	10/649,582	7,473,238	Hemofiltration Systems And Methods That Maintain Sterile Extracorporeal Processing Conditions	ISSUED

T4342-14519US01	US	10/672,242	7,112,273	Volumetric Fluid Balance Control For Extracorporeal Blood Treatment	ISSUED
T4342-14499US01	US	10/393,295	6,872,346	Method And Apparatus For Manufacturing Filters	ISSUED
T4342-14501US01	US	10/393,185	7,470,265	Dual Access Spike For Infusate Bags	ISSUED
T4342-14522US01	US	11/160,586	7,337,674	Pressure Detector For Fluid Circuits	ISSUED
T4342-15050EU01	EU	000023148	000023148	Blood Treatment Machine And Parts Thereof	ISSUED
T4342-14198US21	US	10/796,899		Blood Flow Control In A Blood Treatment Device	PENDING
T4342-14514EP01	EP	02761044.3		Method And Apparatus For Leak Detection In A Fluid Line	PENDING
T4342-14198EP03	EP	00992548.8		Layered Fluid Circuit Assemblies And Methods For Making Them	PENDING
T4342-14198EP02	EP	00982268.5		Synchronized Volumetric Fluid Balancing Systems And Methods	PENDING
T4342-14198EP06	EP	00992532.2		Interactive Systems And Methods For Supporting Hemofiltration Therapies	PENDING
T4342-14198EP05	EP	00991516.6		Fluid Processing Systems And Methods Using Extracorporeal Fluid Flow Panels Oriented Within A Cartridge	PENDING
T4342-14198JP05	JP	2001-543177		Layered Fluid Circuit Assemblies And Methods For Making Them	PENDING
T4342-14198JP03	JP	2001-539403		Fluid Processing Systems And Methods Using Extracorporeal Fluid Flow Panels Oriented Within A Cartridge	PENDING
T4342-14501JP01	JP	2006-538506		Improved Methods And Apparatus For Leak Detection In Blood Processing Systems	PENDING
T4342-14500EP01	EP	04700648.1		Preparing Replacement Fluid	PENDING
T4342-14494US04	US	11/577,126		Blood Treatment Dialzer/Filter Design To Trap Entrained Air In A Fluid Circuit	PENDING
T4342-14510US01	US	12/091,728		Safety Features For Medical Devices Requiring Assistance And Supervision	PENDING

T4342-14498CA01	CA	2,593,580		Devices, Systems, And Methods For Fluid, Preparation, Sotrage, And Treatment	PENDING
T4342-14498JP01	JP	2007-550528		Devices, Systems, And Methods For Fluid, Preparation, Sotrage, And Treatment	PENDING
T4342-14505JP01	JP	N/A		Filtration System For Preparation Of Fluids For Medical Applications	PENDING
T4342-14505US01	US	12/296,415		Filtration System For Preparation Of Fluids For Medical Applications	PENDING
T4342-14501EP01	EP	04810398.0		Improved Methods And Apparatus For Leak Detection In Blood Processing Systems	PENDING
T4342-14198US26	US	61/159,545		Dialysis System	PENDING
T4342-14521US01	US	10/699,921		Functional Isolation Of Upgradeable Components To Reduce Risk In Medical	PENDING
T4342-14198US18	US	10/796,913		Registration Of Fluid Circuit Components In A Blood Treatment Device	PENDING
T4342-14198US20	US	10/796,898		Network-Based Extracorporeal Blood Treatment Information System	PENDING
T4342-14198US06	US	12/021,872		Blood Treatment Apparatus	PENDING
T4342-14399US03	US	12/015,420		Methods, Devices, And Systems For Hemodilution	PENDING
T4342-14516US01	US	10/037,254		Method And Apparatus For Machine Error Detection By Combining Multiple Sensor Inputs	PENDING
T4342-14518EP01	EP	02746907.1		Systems And Methods For Handling Air And/Or Flushing Fluids In A Fluid Circuit	PENDING
T4342-14518US03	US	11/742,715		Systems And Methods For Handling Air And/Or Flushing Fluids In A Fluid Circuit	PENDING
T4342-14512EP01	EP	03736859.4		Last-Chance Quality Check And/Or Air/Pyrogen Filter For Infusion Systems [2005/21]	PENDING
T4342-14512US02	US	12/040,748		Last-Chance Quality Check And/Or Air/Pathogen Filter For Infusion Systems	PENDING
T4342-14499EP01	EP	04757998.2		Method And Apparatus For Manufacturing Filters [2006/10]	PENDING

T4342-14501US02	US	10/578,600		Methods And Apparatus For Leak Detection In Blood Processing Systems	PENDING
T4342-14264US01	US	10/544,124		Waste Balancing For Extracorporeal Blood Treatment Systems	PENDING
T4342-14498US03	US	11/160,764		Batch Filtration System For Preparation Of Sterile Fluid For Renal Replacement Therapy	PENDING
T4342-14494US02	US	11/163,703		Blood Treatment Dialyzer/Filter Design To Trap And Remove Entrained Gas	PENDING
T4342-14494US03	US	11/163,708		Blood Treatment Dialyzer/Filter Design To Remove Entrained Gas And Add Medicaments	PENDING
T4342-14494US01	US	11/163,702		Blood Treatment Filter Design To Trap Entrained Gas In A Blood Circuit	PENDING
T4342-14494WO01	WO	PCT/US05/36603		Blood Treatment Dialzer/Filter Design To Trap Entrained Air In A Fluid Circuit	PENDING
T4342-14498US01	US	10/585,675		Filtration System For Preparation Of Fluids For Medical Applications	PENDING
T4342-14502US01	US	11/553,148		Blood Treatment Filter And Method Of Manufacturing	PENDING
T4342-14498EP01	EP	06717769.1		Devices, Systems, And Methods For Fluid, Preparation, Sotrage, And Treatment	PENDING
T4342-14498US02	US	11/813,472		Filtration System For Preparation Of Fluids For Medical Applications	PENDING
T4342-14505EP01	EP	07760334.8		Filtration System For Preparation Of Fluids For Medical Applications	PENDING
T4342-14123US01	US	11/951,142		Fluid Line Connector Safety Device	PENDING
T4342-14401US01	US	12/049,903		Pressure Measurement Device	PENDING

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MEDISYSTEMS CLASS A PATENTS AND APPLICATIONS LICENSED FOR ALL FIELDS

TITLE	Serial	Filed	Patent No.	Issued
FLOW-THROUGH TREATMENT DEVICE P0005	08/373,598	17-Jan-95	5,643,190	1-Jul-97
BLOW MOLDED VENOUS DRIP CHAMBER FO HEMODIALYSIS P014	08/876,041	4/30/1992	5,328,461	12-Jul-94
BLOW MOLDED VENOUS DRIP CHAMBER FOR HEMODIALYSIS P050	08/059,316	11-May-93	5,330,425	19-Jul-94
PUMP SEGMENT HAVING CONNECTED PARALLEL BRANCH LINE P054	08/170,534	20-Dec-93	5,360,395	1-Nov-94
BLOOD AIR TRAP CHAMBER P062	08/254,428	6-Jun-94	5,520,640	28-May-96
PUMP SEGMENT HAVING CONNECTED PARALLEL BRANCH LINE P080 – Dropped Dec '08	94118943.3	1-Dec-94	EP663,216 IT FR DE	

TITLE	Serial	Filed	Patent No.	Issued
BLOOD CHAMBER P088	08/451,007	25-May-95	5,769,815	6/23/1998
REUSABLE BLOOD LINES P097	08/504,457	20-Jul-95	5,772,624	6/30/1998
FLOW-T TREATMENT DEVICE P135	08/771,246	20-Dec-96	5,817,043	6-Oct-98
BLOOD SET PRIMING METHOD & APPARATUS P138	08/717,849	23-Sep-96	5,895,368	20-Apr-99
PUMP SEGMENT HAVING CONNECTED PARALLEL BRANCH LINE P162	08/850,277	5-May-97	6,440,095	8/27/2002
REUSABLE BLOOD LINES P176	08/892,685	14-Jul-97	6,165,149	26-Dec-00
AUTOMATIC PRIMING OF BLOOD SETS P187	08/954,804	21-Oct-97	5,951,870	14-Sep-99
SEPARABLE HEMODIALYSIS SYSTEM P188	08/937,121	24-Sep-97	5,824,213	20-Oct-98

TITLE	Serial	Filed	Patent No.	Issued
SEPARABLE HEMODIALYSIS SYSTEM CONNECTED BY A MOVABLE ARM P189	08/941,729	1-Oct-97	5,895,571	20-Apr-99
FLOW-THROUGH TREATMENT DEVICE P215	09/038,375	11-Mar-98	6,299,589	Oct. 9, 2001
BLOOD SET PRIMING METHOD AND APPARATUS P219	09/038,616	11-Mar-98	6,290,665	Sept. 18, 2001
REVERSING FLOW BLOOD PROCESSING SYSTEM P242	09/095,873	6/10/1998	6,177,049	23-Jan-01
SUBCUTANEOUS ACCESS METHOD – VASCA P257	09/318,419	May 25,1999	6,544,214	4/8/2003
DIALYSIS PRESSURE MONITORING WITH CLOT SUPPRESSION P264	09/203,274	1-Dec-98	6,383,158	7-May-02
BUBBLE TRAP WITH FLAT SIDE P270	09/203,013	1-Dec-98	5,980,741	9-Nov-99
BUBBLE TRAP WITH FLAT SIDE P230	09/073,303	5-May-98	6,010,623	4-May-00

TITLE	Serial	Filed	Patent No.	Issued
BUBBLE TRAP CHAMBER P231	09/094,417	6/9/1998	6,019,824	2/1/2000
BUBBLE TRAP WITH DIRECTED HORIZONTAL FLOW AND METHOD OF USING P271	09/207,229	8-Dec-98	6,117,342	September 12,2000
DIALYSIS PRESSURE MONITORING WITH CLOT SUPPRESSION P272	09/957,990	21-Sep-01	6,755,801	6/29/2004
REVERSING FLOW BLOOD PROCESSING SYSTEM HAVING REDUCED CLOTTING POTENTIAL P277	09/325,219	3-Jun-99	6,319,465	Nov. 20, 2001
BLOOD SET PRIMING METHOD AND APPARATUS P278	091378,977	23-Aug-99	6,387,069	14-May-02
BUBBLE TRAP HAVING COMMON INLET/OUTLET TUBE P292	09/320,295	26-May-99	6,051,134	4/18/2000
AUTOMATIC PRIMING OF BLOOD SETS P301	09/359,366	7/22199	6,187,198	13-Feb-01
TURBO CAP SET FOR BLOOD PROCESSING P302	09/432,555	3-Nov-99	6.517,508	Feb. 11. 2003

TITLE	Serial	Filed	Patent No.	Issued
MEASURING VASCULAR ACCESS PRESSURE P322	09/479,962	January 10,2000	6,346,084	2/12/2002
BLOOD SET AND CHAMBER P324	09/472,316	22-Dec-99	6,206,954	March 27,2001
Japan AUTOMATIC PRIMING OF BLOOD SETS P340	2000-516761	April 21,2000		
Europe AUTOMATIC PRIMING OF BLOOD SETS P341	98951060.7	13-Oct-98		
Canada AUTOMATIC PRIMING OF BLOOD SETS P342	CA19982306829	13-Oct-98	2,306,829	
Australia AUTOMATIC PRIMING OF BLOOD SETS P343	96950/98	13 Oct. 1998	743310	5/9/2002
ARTERIAL & VENOUS BLOOD TUBING SET-AUTOPRIME P356	09/619,448	19-Jul-00	6,344,139	Feb. 5, 2002
DIALYSIS PRESSURE MONITORING WITH CLOT SUPPRESSION P357	09/624,852	July 25,2000	6,514,225	Feb. 4, 2003

TITLE	Serial	Filed	Patent No.	Issued
SET FOR BLOOD PROCESSING-IV LINE MONITORING P358	10/076,192	Feb. 13, 2002	7,025,750	11-Apr-06
REVERSING FLOW BLOOD PROCESSING SYSTEM P361	09/627,821	28-Jul-00	6,596,234	7/22/2003
REUSABLE BLOOD LINES P362	09/664,432	18-Sep-00	6,620,119	Sept. 16,2003
Europe REVERSING FLOW BLOOD PROCESSING SYSTEM P368	99928438.3	7-Jun-02		
AUTOMATIC PRIMING OF BLOOD SETS P385	09/977,711	Oct 15,2001	6,464,878	October 15,2002
NEW REVERSO P391	10/051,465	1/18/2002	6,695,807	2/24/2004
BLOOD SET PRIMING METH. & APP. P393	10/062,570	Feb. 5, 2002	7,166,084	Jan. 23, 2007
REUSABLE BLOOD LINES P411	10/313,695	12/6/2002	6,666,839	12/23/2003

TITLE	Serial	Filed	Patent No.	Issued
BLOOD LEAK MONITORING METHOD (VENOUS AIR DETECTOR) P422 Dropped 12/08	11/176,912	7-Jul-05		
Japan BLOOD FLOW REVERSING SYSTEM P438 Dropped 11/08	2003-561693	18 Jan. 2002		
Europe BLOOD FLOW REVERSING SYSTEM P443	03713248.7	18 Jan. 2002		
3D CLAMPABLE CONNECTOR P448 Dropped 06/08	11/036,266	Jan. 14, 2005		
PRESSURE MEASURING POD P467	11/270,080	11/9/2005		
3D CLAMPABLE VALVE FLOW REVERSING SYSTEM P522 Canada (Out of Order)	CA2593195	13.01.2006		
3D CLAMPABLE VALVE FLOW REVERSING SYSTEM P523 Japan (Out of Order)	2007-551,379	13.01.2006		
3D CLAMPABLE VALVE FLOW REVERSING SYSTEM P521 EP (Out of Order)	EP06718215.4	13.01.2006		

TITLE	Serial	Filed	Patent No.	Issued
SL2 DIALYZER HOLDER SALES DIALYZER HOLDER P478	11/416,371	1-May-06		
SET FOR. BLOOD PROCESSING – TURBO P481	11/371,418	9-Mar-06		
BLOOD SET PRIMING METHOD AND APPARATUS P512	11/607,407	12/1/2006		
DOCKING PORTS FOR MEDICAL FLUID SETS P147 (Out of Order)	08/810,361	3-Mar-97	5,983,947	16-Nov-99
BLOOD LEAK MONITORING METHOD AND APPARATUS P529 CA	2,613,139			
BLOOD LEAK MONITORING METHOD P530 JP	2008-520,298			
BLOOD LEAK MONITORING METHOD P531 EP	06774320.3			
BLOOD LEAK MONITORING APPARATUS P538 DIV	12/098,215	4-Apr-08		

MEDISYSTEMS CLASS B PATENTS AND APPLICATIONS LICENSED IN FIELD

TITLE	Serial	Filed	Patent No.	Issued
UNIVERSAL CONNECTOR – MEDIC P006	08/538,236	13-Jun-90	5,071,413	12/10/1991
GUARDED WINGED NEEDLE ASSEMBLY P009	08/562,419	7/30/1990	5,112,311	12-May-92
Europe GUARDED WINGED NEEDLE ASSEMBLY P022	89911492-0	9/29/1989	436646	Aug. 31, 1994
Japan GUARDED WINGED NEEDLE ASSEMBLY P023	510737/89	9/29/1989	1,749,083	8-Apr-93
Japan UNIVERSAL CONNECTOR P030	511284/1991	6-Jun-91	3,103,938	1-Sep-00
Canada UNIVERSAL CONNECTOR P031	2,064,749-3	6-Jun-91	2,064,749	18-Oct-94
[redacted]				

TITLE	Serial	Filed	Patent No.	Issued
GUARDED WINGED NEEDLE ASSEMBLY P039	948,348	21-Sep-92	5,266,072	30-Nov-93
LUER CONNECTOR WITH INTEGRAL CLOSURE P042	08/002,778	8-Jan-93	5,385,372	31-Jan-95
[redacted]				
PROTECTOR FOR NEEDLE P133	08/714,959	17-Sep-96	5,772,638	6/30/1998
[redacted]				
GUARDED WINGED NEEDLE ASSEMBLY (METHOD) P059	08/198,348	18-Feb-94	5,433,703	18-Jul-95
NEEDLE PROTECTOR SHEATH P067	08/275,880	15-Jul-94	5,562,636	8-Oct-96
NEEDLE PROTECTOR SHEATH P087	08/420,700	11-Apr-95	5,562,637	8-Oct-96

TITLE	Serial	Filed	Patent No.	Issued
Europe NEEDLE PROTECTOR SHEATH P090	95110450.4	5-Jul-95	0692 217	1-Jul-99
Europe NEEDLE PROTECTOR SHEATH P241 (Out Of Order)	98109151.5	5/7/1995	IT GB FR DE CH BE 6 0872,256	2/1/2002
Japan NEEDLE PROTECTOR SHEATH P091	201534/1995	14-Jul-95	3,702,408	29-Jul-05
Canada NEEDLE PROTECTOR SHEATH P092	2,153,091	30-Jun-95	Issue fee paid	
NEEDLE STORAGE APPARATUS AND METHOD P095	08/538,460	3-Oct-95	5,704,917	6-Jan-98
EASY USE NEEDLE PROTECTOR SHEATH P113	08/584,451	January 11 1996	5,704,924	6-Jan-98
NEEDLE PROTECTOR SHEATH P124	08/662,685	13-Jun-96	5,951,529	14-Sep-99
MEDICAL CONNECTOR WITH INTEGRAL CLOSURE P151	08/783,689	1/15/1997	5,881,774	16-Mar-99

TITLE	Serial	Filed	Patent No.	Issued
Japan EASY USE NEEDLE PROTECTOR SHEATH P179	525,246/1997	20-Dec-96	3,809,563	2-Jun-06
Australia EASY USE NEEDLE PROTECTOR SHEATH P183	13.536/97	20-Dec-96	717,410	3/23/2000
SQUEEZE CLAMP FOR FLEXIBLE TUBING P191	08/943,672	3-Oct-97	6,089,527	18-Jul-00
SET WITH ANGLED NEEDLE P225	09/116/422	7/15/1998	6,267,750	31-Jul-01
SQUEEZE CLAMP P265	09/238,767	28-Jan-99	6,113,062	5-Sep-00
[redacted]				
NEEDLE PONT PROTECTION SHEATH P273	09/248,654	11-Feb-99	6,042,570	28-Mar-00
NEEDLE PROTECTOR SHEATH P290	09/321,374	27-May-99	6,595,965	7/22/2003

TITLE	Serial	Filed	Patent No.	Issued
SQUEEZE CLAMP FOR FLEXIBLE TUBING P309	09/396,837	September 15, 1999	6,196,519	6-Mar-01
NEEDLE POINT PROTECTION SHEATH P328	09/500,567	9-Feb-00	6,193,694	February 27,2001
Canada SQUEEZE CLAMP FOR FLEXIBLE TUBING P330	2,308,052	22-Sep-98	2,308,052	6/3/2003
Japan SQUEEZE CLAMP FOR FLEXIBLE TUBING P332	2000-515134	November 24,2000		
TUBULAR INTRAVENOUS SET (WING-ABLE MASTERGUARD) P338	09/541282	3-Apr-00	6,517,522	Feb. 11, 2003
SET WITH ANGLED NEEDLE P348	09/606,578	28-Jun-00	6,530,911	3/11103
TUBULAR INTRAVENOUS SET (WING-ABLE MASTERGUARD) P360	09/680,821	October 10,2000	6,616,635	9/9/2003
TAPERED INTRAVENOUS CANNULA P-382	09/906,539	7/16/2001	6,685,680	2/3/2004

TITLE	Serial	Filed	Patent No.	Issued
Europe SQUEEZE-CLAMP P389	967015.2	November 24,2000		
PENETRABLE WALL AND INNER SEAL P417 (Out of Order)	10/613,922	3-Jul-03	7,056,308	6-Jun-06
MEDICAL DEVICE W/ELASTOMERIC, PENETRABLE WALL P452 (Out of Order)	11/081,484	16-Mar-05		
SHORT-WINGED NEEDLE AND NEEDLE GUARD P404	11/407,716	20-Apr-06		
INJECTION SITE FOR MALE LUER-LOCKSITE P407	10/264,863	10/4/2002	7,025,744	April 11,2006
INJECTION SITE FOR MALE LUER OR OTHER TUBULAR CONNECTOR – LOCKSITE P418	10/423,484	April 25 2003		
INJECTO CAP P441	11/124.701	8-May-05		

TITLE	Serial	Filed	Patent No.	Issued
Japan INJECTION SITE FOR MALE LUER OR OTHER TUBULAR CONNECTOR LOCKSITE P454	2005-501 078	4/4/2005		
Europe INJECTION SITE FOR MALE LUER – LOCKSITE P455	03808128.7	10-Feb-03	1562657	
CLOSURE FOR TUBULAR ACCESS PORT - POKER CAP P456	11/247,93 1	October 11,2005		
Japan CLOSURE NEEDLE PROTECTOR SHEATH P457	114734/2005		3843414	25-Aug-06
MEDICAL TUBING SET SHEATH P489	11/495,046	7/28/2006		
CLOSURE FOR TUBULAR ACCESS PORT P534 Japan	2008-535631	10-Oct-06		
CLOSURE FOR TUBULAR ACCESS PORT P535 Europe	06825730.2	10-Oct-06		
NEEDLE SECUREMENT DEVICE P483 (Out of Order)	11/431,137	9-May-06		

TITLE	Serial	Filed	Patent No.	Issued
FLUID FLOW CONNECTOR PERMITTING FORCEFUL LATERAL SEPARATION P491	11/810,427	5-Jun-07		
FLUID FLOW CONNECTOR PERMITTING FORCEFUL LATERAL SEPARATION P539	PCT/US08/64942	28-May-08		
MEDICAL TUBING SET SHEATH P524 PCT	PCT/US07/15868	12-Jul-07		National Filing Due 01/28/09
CLOSURE FOR TUBULAR ACCESS PORT P536	12/098,199	4-Apr-08		