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RECORDATION FORM COVER SHEET
PATENTS ONLY

FINANCE SECTION

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): Origin Medsystems, Inc. 3-1-02 Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No		2. Name and address of receiving party(ies): Name: Sherwood Services AG Schwertstrasse 9 CH-8200 Schaffhausen Switzerland Additional name(s) & address(es) attached? ☐ Yes ☒ No	
3. Nature of conveyance: ☒ Assignment ☐ Merger ☐ Security Agreement ☐ Change of Name ☐ Other Execution Date: December 22, 1999			
4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: _____			
A. Patent Application No.(s) <u>08/380,132, 09/968,100</u>		B. Patent No.(s) 5,527,264; 5,591,183; 5,562,603	
Additional numbers attached? ☐ Yes ☒ No			
5. Name and address of party to whom correspondence concerning document should be mailed: Name: Douglas E. Denninger Chief Patent & Trademark Counsel C/O United States Surgical, a division of Tyco Healthcare Group LP 150 Glover Avenue Norwalk, CT 06856		6. Total number of applications and patents involved: [5] 7. Total fee (37 CFR 3.41).....\$200.00 ☐ Enclosed ☒ Authorized to be charged to deposit account 8. Deposit account number: 21-0550 (Attached duplicate copy of this page if paying by deposit account)	
DO NOT USE THIS SPACE			
9. Statement and signature. <i>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.</i> <u>Douglas E. Denninger</u> Name of Person Signing Signature <u>February 20, 2002</u> Date			

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

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PATENT
REEL: 012676 FRAME: 0719

ASSIGNMENT OF PATENT APPLICATIONS

THIS ASSIGNMENT OF PATENT APPLICATIONS is entered into this 22nd day of December, 1999 by and between ORIGIN MEDSYSTEMS, INC., a Delaware corporation having its principal place of business at 135 Constitution Avenue, Menlo Park, California 94025 ("Assignor") and SHERWOOD SERVICES AG, a Switzerland corporation having its principal place of business at Schwertstrasse 9, CH-8200 Schaffhausen Switzerland ("Assignee").

WHEREAS, Assignor and Assignee are parties to a certain Bill of Sale dated July 7, 1999 (the "Bill of Sale"), pursuant to which Assignee has agreed to purchase certain assets of Assignor, and Assignor has agreed to cause the same to be transferred, assigned and contributed to Assignee;

WHEREAS, Assignor owns all right, title and interest in and to and is the sole exclusive owner of the Patent Applications listed on Schedule A, attached hereto and incorporated herein (the "Patent Applications");

WHEREAS, pursuant to the Bill of Sale, Assignor desires to assign and transfer to Assignee, and the successors, assigns and legal representatives of the ASSIGNEE, the entire right, title and interest, including the right to sue for present, past and future infringement, in the United States, its territorial possessions, and in all foreign countries, including all treaty and convention rights in and to the invention and any and all improvements to the Patent Applications, and Assignee is desirous of acquiring the same.

NOW, THEREFORE, for the foregoing recited consideration and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor does hereby assign, sell and transfer to Assignee all of its right, title and interest in and to the Patent Applications and any legal equivalent thereof in a foreign country, including any applications, continuations, continuations-in-part, divisions, renewals, reissues and extensions thereof. Assignor does further consent to the recordation of this Assignment by Assignee with the United States Commissioner of Patents or any similar foreign governmental agency.

IN WITNESS WHEREOF Assignor has executed this assignment as of the date first written above.

ORIGIN MEDSYSTEMS, INC.

By: Greg Garfield
Name: Greg Garfield
Title: Secretary
STATE OF California)
COUNTY OF San Mateo) SS: 

On this 22nd day of December, 1999, before me personally came GREG GARFIELD to me known, who, being by me first duly sworn, did depose and say that he is the SECRETARY of GUIDANT CORPORATION, the corporation described in and which executed the foregoing instrument; and that he signed his name to such instrument by order of the Board of Directors of such corporation.

Mary A. Quigley
Notary Public
My Commission Expires: 3-12-01

2400 CON 3	US	Pending	08/378565	26-Jan-1995			TROCAR
2408CNDV3F	US	Pending	08/972700	18-Nov-1997			APPARATUS AND METHOD FOR PERITONEAL RETRACTION
2410CIPCON	US	Pending	09/179008	26-Oct-1998			METHOD OF USING AN ENDOSCOPIC INFLATABLE LIFTING APPARATUS TO CREATE AN ANATOMIC WORKING SPACE
2414 CON	US	Pending	08/828751	18-Mar-1997			EXTRUDING EVERTING DISSECTION BALLOON
2418 CON	US	Pending	09/023134	12-Feb-1998			METHOD AND INFLATABLE CHAMBER APPARATUS FOR SEPARATING LAYERS OF TISSUE
2426CON2DV	US	Pending	09/021542	10-Feb-1998			BODY WALL RETRACTION METHOD FOR WIDE CAVITY RETRACTION
2448 DIV	US	Pending	08/499279	07-Jul-1995			SURGICAL HELICAL FASTENER WITH APPLICATOR

2448DIVCN2	US	Pending	08/812957	05-Mar-1997			SURGICAL HELICAL FASTENER WITH APPLICATOR
2448DIVCN3	US	Pending Issued	08/812958	05-Mar-1997	5964772	10/12/99	SURGICAL HELICAL FASTENER WITH APPLICATOR
2448DIVCN5	US	Pending	08/773619	20-Dec-1996			SURGICAL HELICAL FASTENER WITH APPLICATOR
2453 DIV	US	Pending	08/447794	23-May-1995			METHOD AND APPARATUS FOR ANCHORING LAPAROSCOPIC INSTRUMENTS
2458	US	Pending	09/067624	28-Apr-1998			RETRACTION APPARATUS AND METHOD FOR ENDOSCOPIC SURGERY

TROCAR

2400 CON 4 US Pending 08/380,132 26-Jan-1995

*2448 DIV CON 6 US Pending 09/968,100 01-Oct-2001

SURGICAL HELICAL FASTENER WITH APPLICATOR

*Continuation of 2448 DIV CON 5 on schedule.

ASSIGNMENT OF PATENTS

THIS ASSIGNMENT OF PATENTS is entered into this 22nd day of December, 1999 by and between ORIGIN MEDSYSTEMS, INC., a Delaware corporation having its principal place of business at 135 Constitution Avenue, Menlo Park, California 94025 ("Assignor") and SHERWOOD SERVICES AG, a Switzerland corporation having its principal place of business at Schwertstrasse 9, CH-8200 Schaffhausen Switzerland ("Assignee").

WHEREAS, Assignor and Assignee are parties to a certain Bill of Sale dated July 7, 1999 (the "Bill of Sale"), pursuant to which Assignee has agreed to purchase certain assets of Assignor, and Assignor has agreed to cause the same to be transferred, assigned and contributed to Assignee;

WHEREAS, Assignor owns all right, title and interest in and to and is the sole exclusive owner of the Patents listed on Schedule A, attached hereto and incorporated herein (the "Patents");

WHEREAS, pursuant to the Bill of Sale, Assignor desires to assign and transfer to Assignee, and the successors, assigns and legal representatives of the ASSIGNEE, the entire right, title and interest, including the right to sue for present, past and future infringement, in the United States, its territorial possessions, and in all foreign countries, including all treaty and convention rights in and to the invention and any and all improvements to the Patents, and Assignee is desirous of acquiring the same.

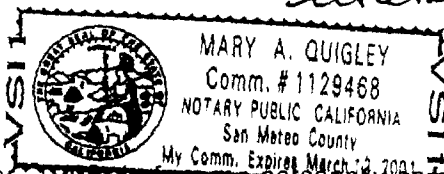
NOW, THEREFORE, for the foregoing recited consideration and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor does hereby assign, sell and transfer to Assignee all of its right, title and interest in and to the Patent Applications and any legal equivalent thereof in a foreign country, including any applications, continuations, continuations-in-part, divisions, renewals, reissues and extensions thereof. Assignor does further consent to the recordation of this Assignment by Assignee with the United States Commissioner of Patents or any similar foreign governmental agency.

IN WITNESS WHEREOF Assignor has executed this assignment as of the date first written above.

ORIGIN MEDSYSTEMS, INC.

By: Greg Garfield
Name: Greg Garfield
Title: Secretary

STATE OF CALIFORNIA)
) SS:
COUNTY OF SAN MATEO)



On this 22nd day of December, 1999, before me, Greg Garfield to me known, who, being by me first duly sworn, did depose and say that he is the SECRETARY of GLIDANT CORPORATION, the corporation described in and which executed the foregoing instrument; and that he signed his name to such instrument by order of the Board of Directors of such corporation.

Mary A. Quigley
Notary Public
My Commission Expires: 3-12-01

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 1/26/99 SCHEDULE A

2428	WO	Abandoned	PCTUS9305129	28-May-1993			TETHERED EVERTING BALLOON RETRACTOR FOR HOLLOW BODIES AND METHOD OF USING
1813	WO	Abandoned	PCTIB9701095	01-Aug-1997			APPARATUS FOR THERMAL TREATMENT OF TISSUE
2401	WO	Abandoned					SURGICAL CLIP APPLIER
2434	WO	Abandoned	PCTUS9503592	01-Apr-1994			CANNULA ANCHOR
2417	WO	Abandoned	PCTUS9616291	11-Oct-1996			METHOD AND INFLATABLE CHAMBER APPARATUS FOR SEPARATING LAYERS OF TISSUE
2462 CIP	WO	Abandoned	PCTUS9222297	30-Mar-1992			RETRACTABLE TROCAR
2423	WO	Abandoned	PCTUS9204205	29-May-1992			METHOD AND APPARATUS FOR BODY STRUCTURE MANIPULATING AND DISSECTION

2401 CIP 5	WO	Abandoned					SURGICAL CLIP
2469	WO	Closed	PCTUS92022261	20-Mar-1992			TROCAR WITH RETRACTION TIP
2464	WO	Closed	PCTUS9406048	27-May-1994			RETRACTING TIP TROCAR WITH PLUNGER SENSOR
2425	WO	Closed	PCTUS9204456	28-May-1992			APPARATUS FOR MECHANICAL ABDOMINAL WALL RETRACTION
2418	WO	Closed	PCTUS9620830	27-Dec-1996			METHOD AND INFLATABLE CHAMBER APPARATUS FOR SEPARATING LAYERS OF TISSUE
2406	WO	Closed	PCTUS9204100	15-May-1992			TROCAR WITH MULTIPLE CONVERTERS AND DETACHABLE OBTURATOR
2416	WO	Closed	PCTUS9602838	01-Mar-1996			INFLATABLE DEVICES FOR SEPARATING LAYERS OF TISSUE, AND METHODS OF USING

2408	WO	Closed	PCTUS9204392	26-May-1992			APPARATUS AND METHOD FOR PERITONEAL RETRACTION
2422	WO	Closed	PCTUS9505578	05-May-1995			INFLATABLE RETRACTING APPARATUS AND METHOD
2409	WO	Closed	PCTUS9204406	26-May-1992			RETRACTION METHODS USING ENDOSCOPIC INFLATABLE RETRACTION DEVICES
2419	WO	Closed	PCTUS92043	26-May-1992			RETRACTION APPARATUS AND METHODS FOR ENDOSCOPIC SURGERY
2431	WO	Closed	PCTUS9505430	05-May-1995			RETRACTABLE TROCAR
2459	WO	Closed	PCTUS9305614	11-Jun-1993			REUSABLE TROCAR WITH EASILY REPLACEABLE OBTURATOR
2426	WO	Closed	PCTUS9410537	16-Sep-1994			ABDOMINAL WALL RETRACTION SYSTEM FOR WIDE CAVITY RETRACTION

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2459 CIP	WO	Closed	PCTUS9408930	08-Aug-1994			TROCAR WITH REPLACEABLE OBTURATOR
2452	WO	Pending	PCTUS9602897	01-Mar-1996			FLEXIBLE LIFTING APPARATUS
2448	WO	Pending	PCTUS9507270	07-Jun-1995			SURGICAL HELICAL FASTENER WITH APPLICATOR
2414	US	Abandoned	08/319552	07-Oct-1994			EXTENDING-EVERTING DISSECTION-BALLOON- INFLATABLE DEVICES FOR SEPARATING LAYERS OF TISSUE AND METHODS OF USING
2401 CIP 3	US	Abandoned	908709	02-Jul-1992			CLOSURE PREVENTION APPARATUS FOR SURGICAL CLIP APPLIER
2469	US	Abandoned	07/651756	07-Feb-1991			TROCAR WITH RETRACTION TIP
2436	US	Abandoned	07/808152	31-Dec-1991			LOCKING PNEUMONEEDLE

2404	US	Abandoned	796722	22-Nov-1991			ENDOSCOPIC LIGATION INSTRUMENT
2447	US	Abandoned	07/958964	09-Oct-1992			TROCAR
2447 CON	US	Abandoned	08/182537	13-Jan-1994			TROCAR
2469 CIP	US	Abandoned	07/752838	30-Aug-1991			TROCAR WITH RETRACTING TIP
2411	US	Abandoned	08/106308	13-Aug-1993			ENDOSCOPIC INFLATABLE RETRACTION DEVICE WITH FLUID-TIGHT ELASTOMERIC WINDOW
2420	US	Abandoned	08/106293	13-Aug-1993			GENERIC METHOD OF USE CLAIMS
2431	US	Abandoned	08/239233	06-May-1994			RETRACTABLE TROCAR

2425 CON3	US	Abandoned	07/959717	13-Oct-1992			APPARATUS FOR MECHANICAL ABDOMINAL WALL RETRACTION
2425 CON1	US	Abandoned	08/253184	02-Jun-1994			APPARATUS FOR MECHANICAL ABDOMINAL WALL RETRACTION
2425	US	Abandoned	07/890033	28-May-1992			APPARATUS FOR MECHANICAL ABDOMINAL WALL RETRACTION
2414 DIV	US	Abandoned	08/807287	27-Feb-1997			EXTRUDING EVERTING DISSECTION BALLOON
2406	US	Abandoned	753326	30-Aug-1991			TROCAR WITH MULTIPLE CONVERTERS AND DETACHABLE OBTURATOR
2422	US	Abandoned	08/239348	06-May-1994			INFLATABLE RETRACTING APPARATUS AND METHOD
2429	US	Abandoned	08/096555	23-Jul-1993			PROPORTIONAL MECHANICAL RETRACTION APPARATUS

2410	US	Abandoned	08/106231	13-Aug-1994	5865728	METHOD OF USING AN ENDOSCOPIC INFLATABLE LIFTING APPARATUS TO CREATE AN ANATOMIC WORKING SPACE
2449	US	Abandoned	08/074110	09-Jun-1993		VIDEO IMAGING SYSTEM WITH EXTERNAL AREA PROCESSING OPTIMIZED FOR SMALL-DIAMETER ENDOSCOPES
2426	US	Abandoned	08/128477	28-Sep-1993		ABDOMINAL WALL RETRACTION SYSTEM FOR WIDE CAVITY RETRACTION
2419 DIV 2	US	Abandoned	08/212352	14-Mar-1994		RETRACTION APPARATUS AND METHODS FOR ENDOSCOPIC SURGERY
2452 CON 2	US	Abandoned	09/179264	26-Oct-1998		FLEXIBLE LIFTING APPARATUS
2430	US	Abandoned	08/339068	14-Nov-1994		METHOD FOR SELECTIVELY CREATING AND ALTERING THE SHAPE OF A BODY CAVITY
2455	US	Abandoned	994124	21-Dec-1992		SIDE LOAD TOLERANT INSTRUMENTS FOR USE IN LAPAROSCOPIC SURGERY

2400 CON 2	US	Abandoned	08/202833	28-Feb-1994			TROCAR
2462	US	Abandoned	07/580766	11-Sep-1990			RETRACTABLE TROCAR
2464	US	Abandoned	08/069179	28-May-1993			RETRACTING TIP TROCAR WITH PLUNGER SENSOR
2395 DIV	US	Abandoned	487452	01-Mar-1990			METHOD AND APPARATUS FOR REMOVING PRE- PLACED PROSTHETIC JOINTS AND PREPARING FOR THEIR REPLACEMENT
2395 DIV	US	Abandoned	487452	01-Mar-1990			METHOD AND APPARATUS FOR REMOVING PRE- PLACED PROSTHETIC JOINTS AND PREPARING FOR THEIR REPLACEMENT
2408	US	Abandoned	706781	29-May-1991			APPARATUS AND METHOD FOR PERITONEAL RETRACTION
2415	US	Abandoned	08/365096	28-Dec-1994			DISSECTION BALLOON CANNULA SYSTEMS

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2408CN1DV3	US	Abandoned	08/453071	26-May-1995			APPARATUS AND METHOD FOR PERITONEAL RETRACTION
2416	US	Granted	405284	16-Mar-1995	5632761	27-May-1997	INFLATABLE DEVICES FOR SEPARATING LAYERS OF TISSUE, AND METHODS OF USING
2469-GIP2	US	Granted	754051	30-Aug-1991	6474539	12-Dec-1995	TROGAR WITH RETRACTING -HIP-
2429 CON I	US	Granted	328387	24-Oct-1994	5505689	09-Apr-1996	PROPERTIONEAL MECHANICAL RETRACTION APPARATUS
2409 DIV 3	US	Granted	106227	13-Aug-1993	5402772	04-Apr-1995	ENDOSCOPIC EXPANDABLE RETRACTION DEVICE
2409DV4CN1	US	Granted	295144	24-Aug-1994	5743850	28-Apr-1998	ENDOSCOPIC INFLATABLE RETRACTION DEVICE WITH ADDITIONAL INFLATABLE CHAMBER
2419DV1CN1	US	Granted	660333	04-Jun-1996	5743851	28-Apr-1998	RETRACTION APPARATUS AND METHODS FOR ENDOSCOPIC SURGERY

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D-5118	US	Granted	755343	05-Sep-1991	338955	31-Aug-1993	HANDLE FOR A PNEUMONEEDLE
2448DIVCN3	US	Granted	08/812958	05-Mar-1997	5964772	12-Oct-1999	SURGICAL HELICAL FASTENER WITH APPLICATOR
2409DV4CN2	US	Granted	869552	05-Jun-1997	5823945	20-Oct-1998	ENDOSCOPIC INFLATABLE RETRACTION DEVICE WITH ADDITIONAL INFLATABLE CHAMBER
2419 CON 1	US	Granted	212249	14-Mar-1994	5450843	19-Sep-1995	RETRACTION APPARATUS AND METHODS FOR ENDOSCOPIC SURGERY
2409 DIV 5	US	Granted	106285	13-Aug-1993	5465711	14-Nov-1995	SURGICAL PROCEDURES USING ENDOSCOPIC INFLATABLE RETRACTION DEVICES
2412 DIV	US	Granted	111211	24-Aug-1993	5468248	21-Nov-1995	ENDOSCOPIC INFLATABLE RETRACTION DEVICES FOR SEPARATING LAYERS OF TISSUE
2415 CON	US	Granted	816251	13-Mar-1997	5803901	08-Sep-1998	DISSECTION-BALLOON-CANNULA SYSTEMS <i>Inflatable Devices for Separating Layers of Tissues and Methods of Using</i>

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2448DIVCN4	US	Granted	812959	05-Mar-1997	5824008	20-Oct-1998	SYSTEM FOR APPLYING FASTENERS TO TISSUE
2419 DIV 1	US	Granted	212122	14-Mar-1994	5522790	04-Jun-1996	RETRACTION APPARATUS AND METHODS FOR ENDOSCOPIC SURGERY
2448DIVCN1	US	Granted	772143	20-Dec-1996	5810882	22-Sep-1998	SURGICAL HELICAL FASTENER WITH APPLICATOR AND METHOD OF USE
2401CIP4DV	US	Granted	459790	02-Jun-1995	5618291	08-Apr-1997	GAS-SEALED INSTRUMENTS FOR USE IN LAPAROSCOPIC SURGERY
2413	US	Granted	282287	29-Jul-1994	5704372	06-Jan-1998	ENDOSCOPIC INFLATABLE RETRACTION DEVICES FOR SEPARATING LAYERS OF TISSUE, AND METHODS OF USING
2417	US	Granted	542666	13-Oct-1995	5728119	17-Mar-1998	METHOD AND INFLATABLE CHAMBER APPARATUS FOR SEPARATING LAYERS OF TISSUE
2417 DIV	US	Granted	08/878293	18-Jun-1997	5925058	20-Jul-1999	METHOD AND INFLATABLE CHAMBER APPARATUS FOR SEPARATING LAYERS OF TISSUE

2418	US	Granted	583563	05-Jan-1996	5779728	14-Jul-1996	METHOD AND INFLATABLE CHAMBER APPARATUS FOR SEPARATING LAYERS OF TISSUE
2411 CON	US	Granted	461162	05-Jun-1995	5562603	08-Oct-1996	ENDOSCOPIC INFLATABLE RETRACTION DEVICE WITH FLUID-TIGHT ELASTOMERIC WINDOW
2419	US	Granted	877995	04-May-1992	5361752	08-Nov-1994	RETRACTION APPARATUS AND METHODS FOR ENDOSCOPIC SURGERY
2416 DIV	US	Granted	685744	24-Jul-1996	5722986	03-Mar-1998	INFLATABLE DEVICES FOR SEPARATING LAYERS OF TISSUE, AND METHODS OF USING
2445 CIP	US	Granted	134580	08-Oct-1993	5475420	12-Dec-1995	VIDEO IMAGING SYSTEM WITH IMAGE PROCESSING OPTIMIZED FOR SMALL-DIAMETER ENDOSCOPES
2435	US	Granted	899556	16-Jun-1992	5372147	13-Dec-1994	PERITONEAL DISTENSION ROBOTIC ARM
2435 DIV	US	Granted	308030	16-Sep-1994	5555897	17-Sep-1996	PERITONEAL DISTENSION ROBOTIC ARM

2456	US	Granted	580083	20-Dec-1995	5816257	06-Oct-1998	GASLESS RETROPERITONEAL SURGICAL PROCEDURE
2453	US	Granted	320042	07-Oct-1994	5697946	16-Dec-1997	METHOD AND APPARATUS FOR ANCHORING LAPAROSCOPIC INSTRUMENTS
2452 CON	US	Granted	867873	04-Jun-1997	5827314	27-Oct-1998	FLEXIBLE LIFTING APPARATUS
2452	US	Granted	403458	14-Mar-1995	5681341	28-Oct-1997	FLEXIBLE LIFTING APPARATUS
2451 CON 2	US	Granted	869830	05-Jun-1997	5823946	20-Oct-1998	METHOD FOR CREATING A MEDIASTINAL WORKING SPACE
2451 CON	US	Granted	688827	24-Jun-1996	5676636	14-Oct-1997	METHOD FOR CREATING A MEDIASTINAL WORKING SPACE
2448	US	Granted	286878	05-Aug-1994	5582616	10-Dec-1996	SURGICAL HELICAL FASTENER WITH APPLICATOR

2462 CIP	US	Granted	752867	30-Aug-1991	5318580	07-Jun-1994	RETRACTABLE TROCAR
2446	US	Granted	134527	08-Oct-1993	5513291	30-Apr-1996	LIGHT SOURCE MODIFICATIONS FOR PLASTIC LIGHT FIBRE COMPATIBILITY
2430 CON 1	US	Granted	774995	27-Dec-1996	5820555	13-Oct-1998	METHOD FOR SELECTIVELY CREATING AND ALTERING THE SHAPE OF A BODY CAVITY
2444	US	Granted	32955	17-Mar-1993	5462532	31-Oct-1995	TROCAR WITH SAFETY SENSING SLEEVE
2443	US	Granted	178063	06-Jan-1994	5458612	17-Oct-1995	PROSTATIC ABLATION METHOD AND APPARATUS FOR PERINEAL APPROACH
2442	US	Granted	123351	17-Sep-1993	5453094	26-Sep-1995	KIT ASSEMBLY FOR USE DURING A LAPAROSCOPIC SURGICAL PROCEDURE
2441	US	Granted	122394	17-Sep-1993	5449380	12-Sep-1995	APPARATUS AND METHOD FOR ORGAN ABLATION

2440	US	Granted	92831	16-Jul-1993	5431669	11-Jul-1995	SURGICAL CLIP APPLIER WITH DISTAL HOOK
2439 CON	US	Granted	408699	21-Mar-1995	5599297	04-Feb-1997	APPARATUS AND METHOD FOR DELIVERING INSUFFLATION GAS AND LOCAL ANESTHESIA TO A BODY CAVITY
2439	US	Granted	39975	30-Mar-1993	5399159	21-Mar-1995	APPARATUS AND METHOD FOR HAND-HELD INSUFFLATION
2438	US	Granted	93101	13-Jul-1993	5397335	14-Mar-1995	TROCAR ASSEMBLY WITH IMPROVED ADAPTER SEALS
2437 CIP	US	Granted	279513	25-Jul-1994	5507755	16-Apr-1996	APPARATUS AND METHOD FOR CLOSING PUNCTURE WOUNDS
2447 CON 2	US	Granted	400460	07-Mar-1995	5533977	09-Jul-1996	TROCAR
2420 CON 1	US	Granted	193615	08-Feb-1994	5527264	18-Jun-1996	METHODS OF USING ENDOSCOPIC INFLATABLE RETRACTION DEVICES

2455 FWC	US	Granted	455293	31-May-1995	5743880	28-Apr-1998	SIDE LOAD TOLERANT INSTRUMENTS FOR USE IN LAPAROSCOPIC SURGERY
2459	US	Granted	899751	17-Jun-1992	5256147	26-Oct-1993	REUSABLE TROCAR WITH EASILY REPLACEABLE OBTURATOR
2459 CIP	US	Granted	123319	17-Sep-1993	5405328	11-Apr-1995	TROCAR WITH REPLACEABLE OBTURATOR
2449 FWC	US	Granted	434207	04-May-1995	5589874	31-Dec-1996	VIDEO IMAGING SYSTEM WITH EXTERNAL AREA PROCESSING OPTIMIZED FOR SMALL-DIAMETER ENDOSCOPES
2450 FWC	US	Granted	558759	15-Nov-1995	5613947	25-Mar-1997	EVERTING CANNULA APPARATUS AND METHOD
2409 DIV 2	US	Granted	106538	13-Aug-1993	5531856	02-Jul-1996	ENDOSCOPIC INFLATABLE RETRACTION DEVICES
2464 FWC	US	Granted	335597	08-Nov-1994	5527335	18-Jun-1996	RETRACTING TIP TROCAR WITH PLUNGER SENSOR

2466	US	Granted	08/163275	06-Dec-1993	5501653	26-Mar-1996	ABDOMINAL WALL LIFING RETRACTOR WITH HINGED CROSS-MEMBER
2400 CON	US	Granted	904393	25-Jun-1992	5338305	16-Aug-1994	TROCAR
2434	US	Granted	55820	30-Apr-1993	5364367	15-Nov-1994	CANNULA ANCHOR
2410 CIP	US	Granted	561160	21-Nov-1995	5865728	02-Feb-1999	METHOD OF USING AN ENDOSCOPIC INFLATABLE LIFTING APPARATUS TO CREATE AN ANATOMIC WORKING SPACE
2432	US	Granted	48274	14-Apr-1993	5346459	13-Sep-1994	TROCAR
2421	US	Granted	134573	08-Oct-1993	5425357	20-Jun-1995	INFLATABLE RETRACTION DEVICES FOR USE IN LAPAROSCOPIC SURGERY
2421 DIV 1	US	Granted	457396	01-Jun-1995	5575759	19-Nov-1996	METHODS OF USING INFLATABLE RETRACTION DEVICES IN LAPAROSCOPIC SURGERY

2423	US	Granted	762318	19-Sep-1991	5370134	06-Dec-1994	METHOD AND APPARATUS FOR BODY STRUCTURE MANIPULATION AND DISSECTION
2424	US	Granted	421481	12-Apr-1995	5591183	07-Jan-1997	DISSECTION APPARATUS
2425 CON 4	US	Granted	366367	29-Dec-1994	5569165	29-Oct-1996	APPARATUS FOR MECHANICAL ABDOMINAL WALL RETRACTION
2425CN4DV1	US	Granted	675694	03-Jul-1996	5690607	25-Nov-1997	METHOD FOR MECHANICAL ABDOMINAL WALL RETRACTION
2426 CON 2	US	Granted	671828	25-Jun-1996	5716327	10-Feb-1998	BODY WALL RETRACTION SYSTEM FOR WIDE CAVITY RETRACTION
2427	US	Granted	890941	29-May-1992	5431173	11-Jul-1995	METHOD AND APPARATUS FOR BODY STRUCTURE MANIPULATION AND DISSECTION
2428	US	Granted	959259	09-Oct-1992	5383889	24-Jan-1995	TETHERED EVERTING BALLOON RETRACTOR FOR HOLLOW BODIES AND METHOD OF USING

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2454 FWC	US	Granted	404120	14-Mar-1995	5718703	17-Feb-1998	METHODS AND APPARATUS FOR SMALL NEEDLE ELECTROCAUTERY
2419DV2CN1	US	Granted	461183	05-Jun-1995	5738629	14-Apr-1998	SELF-RETRACTING ENDOSCOPE
2408 GON	US	Granted	02707	16-May-1993	5620609	28-May-1996	APPARATUS AND METHOD- FOR PERITONEAL- RETRACTION
2407	US	Granted	895128	08-Jun-1992	5305121	19-Apr-1994	STEREOSCOPIC ENDOSCOPE SYSTEM
2401 CIP 4	US	Granted	26445	04-Mar-1993	5431667	11-Jul-1995	GAS-SEALED INSTRUMENTS FOR USE IN LAPAROSCOPIC SURGERY
2401 CIP 5	US	Granted	957970	07-Oct-1992	5269792	14-Dec-1993	SURGICAL CLIP
2401 CIP	US	Granted	958865	09-Oct-1992	5547474	20-Aug-1996	SURGICAL CLIP CLOSURE APPARATUS WITH SAFETY STOP

2402	US	Granted	949388	22-Sep-1992	5263944	23-Nov-1993	ADAPTER SEAL FOR LAPAROSCOPIC CANNULA
2406 CON	US	Granted	41914	02-Apr-1993	5300036	05-Apr-1994	TROCAR WITH MULTIPLE CONVERTERS AND DETACHABLE OBTURATOR
2404 CON	US	Granted	25912	03-Mar-1993	5281238	25-Jan-1994	ENDOSCOPIC LIGATION INSTRUMENT
2403	US	Granted	786719	01-Nov-1991	5267970	07-Dec-1993	DEVICE FOR ANCHORING TROCAR SLEEVE
2400	US	Granted	657105	15-Feb-1991	5152754	06-Oct-1992	TROCAR
2399	US	Granted	753409	30-Aug-1991	5104381	14-Apr-1992	PNEUMONEEDLE WITH REMOVABLE STYLET ASSEMBLY
2398 CIP	US	Granted	720656	25-Jun-1991	5122143	16-Jun-1992	METHOD AND APPARATUS FOR EXTRACTING A CEMENT MANTLE FROM A BONE RECESS

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2401 CIP 2	US	Granted	13609	02-Feb-1993	5282808	01-Feb-1994	CLOSURE PREVENTION APPARATUS FOR SURGICAL CLIP APPLIER
2397	US	Granted	467724	19-Jan-1990	5041120	20-Aug-1991	MULTIPART KIT AND METHOD OF USING THE SAME TO REMOVE CEMENT USED TO SECURE PROSTHETIC JOINTS
2401	US	Granted	888723	26-May-1992	5192288	09-Mar-1993	SURGICAL CLIP APPLIER
2408CN1DV2	US	Granted	452066	26-May-1995	5643178	01-Jul-1997	^{FOR} METHOD OF PERITONEAL RETRACTION
2409 DIV 1	US	Granted	106915	13-Aug-1993	5454367	03-Oct-1995	METHOD OF USING ENDOSCOPIC INFLATABLE RETRACTION DEVICE WITH FLUID TIGHT ELASTOMERIC WINDOW
2422 FWC	US	Granted	660728	10-Jun-1996	5836871	17-Nov-1998	METHOD FOR LIFTING A BODY WALL USING AN INFLATABLE LIFTING APPARATUS
2469 CIP3	US	Granted	15349	08-Feb-1993	5474539	12-Dec-1995	TROCAR WITH RETRACTING TIP

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2395	US	Granted	255650	11-Oct-1988	4919153	24-Apr-1990	METHOD AND APPARATUS FOR REMOVING PRE-PLACED PROSTHETIC JOINTS AND PREPARING FOR THEIR REPLACEMENT
2398	US	Granted	510145	17-Apr-1990	5078718	07-Jan-1992	MULTI-PART METHOD AND APPARATUS FOR REMOVING PRE-PLACED PROSTHETIC JOINTS AND PREPARING FOR THEIR REPLACEMENT
2437	US	Granted	100926	03-Aug-1993	5391182	21-Feb-1995	APPARATUS AND METHOD FOR CLOSING PUNCTURE WOUNDS
2408CN1DV1	US	Granted	452152	26-May-1995	5634883	03-Jun-1997	APPARATUS FOR PERITONEAL RETRACTION
2409	US	Granted	794590	19-Nov-1991	5309896	10-May-1994	RETRACTION METHODS USING ENDOSCOPIC INFLATABLE RETRACTION DEVICES
D-5119	US	Granted	350	09-Oct-1992	349574	09-Aug-1994	TROCAR
2405	US	Granted	9462	27-Jan-1993	5299272	29-Mar-1994	FOR METHOD OF ATTACHING A GRADIENT INDEX LENS TO AN OPTICAL FIBRE IN THE COURSE OF MAKING AN OPTICAL INSTRUMENT

2395 CIP	US	Granted	467742	19-Jan-1990	5108402	28-Apr-1992	METHOD AND APPARATUS FOR REMOVING PRE-PLACED PROSTHETIC JOINTS AND PREPARING FOR THEIR PLACEMENT
2461 FWC	US	Granted	08/958732	20-Oct-1997	5947895	07-Sep-1999	RETRACTOR WITH ROTATING HOOP ARMS ABDOMINAL AND METHOD OF USING THE SAME
2425 CON 2	US	Granted	341708	18-Nov-1994	5514075	07-May-1996	PROPERITONEAL MECHANICAL RETRACTION APPARATUS AND METHODS OF USING
2396	US	Granted	427180	25-Oct-1989	5026375	25-Jun-1991	SURGICAL CUTTING INSTRUMENT
2419	SE	Abandoned	92913692.7	26-May-1992	0637223	22-Jul-1998	RETRACTION APPARATUS AND METHODS FOR ENDOSCOPIC SURGERY
2425	SE	Granted	92912086.3	28-May-1992	586516	11-Sep-1996	APPARATUS FOR MECHANICAL ABDOMINAL WALL RETRACTION
2419	NL	Abandoned	92913692.7	26-May-1992	0637223	22-Jul-1998	RETRACTION APPARATUS AND METHODS FOR ENDOSCOPIC SURGERY
2425	NL	Granted	92912086.3	28-May-1992	0586516	11-Sep-1996	APPARATUS FOR MECHANICAL ABDOMINAL WALL RETRACTION
2408	NL	Granted	97202078.8	26-May-1992	0586580	04-Feb-1998	APPARATUS AND METHOD FOR PERITONEAL RETRACTION

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2464	NL	Pending	94918161.4	27-May-1994			RETRACTING TIP TROCAR WITH PLUNGER SENSOR
2462 CIP	MX	Abandoned	9201527	02-Apr-1992			RETRACTABLE TROCAR
2409	MX	Abandoned	9202603	29-May-1992			RETRACTION METHODS USING ENDOSCOPIC INFLATABLE RETRACTION DEVICES
2406	MX	Abandoned	07753326	30-Aug-1991			TROCAR WITH MULTIPLE CONVERTERS AND DETACHABLE OBTURATOR
2423	MX	Abandoned	9202553	19-Sep-1991			METHOD AND APPARATUS FOR BODY STRUCTURE MANIPULATION AND DISSECTION
2425	MX	Abandoned	9202604	29-May-1992			APPARATUS FOR MECHANICAL ABDOMINAL WALL RETRACTION
2419	MX	Abandoned	9202601	29-May-1992			RETRACTION APPARATUS AND METHODS FOR ENDOSCOPIC SURGERY

2408	MX	Pending	9202597	29-May-1992			APPARATUS AND METHOD FOR PERITONEAL RETRACTION
2425	MC	Abandoned					APPARATUS FOR MECHANICAL ABDOMINAL WALL RETRACTION
2419	MC	Abandoned	92913692.7	26-May-1992	0637223	22-Jul 1998	RETRACTION APPARATUS AND METHODS FOR ENDOSCOPIC SURGERY
2419	LU	Abandoned	92913692.7	26-May-1992	0637223	22-Jul 1998	RETRACTION APPARATUS AND METHODS FOR ENDOSCOPIC SURGERY
2425	LU	Granted	92912086.3	28-May-1992	0586513	11-Sep 1996	APPARATUS FOR MECHANICAL ABDOMINAL WALL RETRACTION
2400	KR	Abandoned					TROCAR
2436	JP	Granted	085022/92	10-Dec-1992	2547368	16-May-1997	LOCKING PNEUMONEEDLE

2447	JP	Granted			2589107	13-Nov-1998	TROCAR
2408	JP	Granted	500498/93	26-May-1992	2761578	27-Mar-1998	APPARATUS AND METHOD FOR PERITONEAL RETRACTION
2419	JP	Pending	500499/93	26-May-1992			RETRACTION APPARATUS AND METHODS FOR ENDOSCOPIC SURGERY
2448	JP	Pending	8-506478	07-Jun-1995			SURGICAL HELICAL FASTENER WITH APPLICATOR
2416	JP	Pending	8-527667	01-Mar-1996			INFLATABLE DEVICES FOR SEPARATING LAYERS OF TISSUE, AND METHODS OF USING
2409	JP	Pending	500509/93	26-May-1993			RETRACTION METHODS USING ENDOSCOPIC INFLATABLE RETRACTION DEVICES
2452	JP	Pending	8-526444	01-Mar-1996			FLEXIBLE LIFTING APPARATUS

2426	JP	Pending	16-Sep-1994	AI DOMINAL WALL RI TRACTION SYSTEM FOR W DE CAVITY RETRACTION
2459	JP	Pending	11-Jun-1993	RI USABLE TROCAR WITH E/ SILY RI PLACEABLE OBTURATOR
2459 CIP	JP	Pending	08-Aug-1994	TF OCAR WITH RI PLACEABLE OBTURATOR
2422	JP	Pending	05-May-1995	IN LATABLE RETRACTING AF PARATUS AND METHOD
2400	JP	Pending	15-Feb-1992	TF OCAR
2402	JP	Pending	22-Sep-1993	AC AFTER SEAL FOR LA PARSOCOPIC CANNULA
2425	JP	Pending	28-May-1993	AP PARATUS FOR ME CHANICAL ABDOMINAL N/ LL RETRACTION

2436	IT	Granted	92311062.1	03-Dec-1992	0546769	05-Mar-1997	LOCKING PNEUMONEEDLE
2419	IT	Granted	92913692.7	26-May-1992	0637223	22-Jul-1998	RETRACTION APPARATUS AND METHODS FOR ENDOSCOPIC SURGERY
2409	IT	Granted	92913030.0	26-May-1992	0586561	04-Sep-1996	RETRACTION METHODS USING ENDOSCOPIC INFLATABLE RETRACTION DEVICES
2425	IT	Granted	92912086.3	28-May-1992	0586516	11-Sep-1996	APPARATUS FOR MECHANICAL ABDOMINAL WALL RETRACTION
2464	IT	Granted	94918161.4	27-May-1994	0705077	08-Apr-1998	RETRACTING TIP TROCAR WITH PLUNGER SENSOR
2408	IT	Granted	97202078.8	26-May-1992	0586580	04-Feb-1998	APPARATUS AND METHOD FOR PERITONEAL RETRACTION
2459	IT	Granted	93916502.3	11-Jun-1993	0648096	18-Nov-1998	REUSABLE TROCAR WITH EASILY REPLACEABLE OBTURATOR

2402	IT	Granted	93115184.9	21-Sep-1993	0589412	23-Jun-1999	ADAPTER SEAL FOR LAPAROSCOPIC CANNULA
2447	IT	Granted			0595090	12-Mar-1997	TROCAR
2464	IIE	Granted	94918161.4	27-May-1994	0705077	08-Apr-1998	RETRACTING TIP TROCAR WITH PLUNGER SENSOR
2419	GR	Abandoned	92913692.7	26-May-1992	0637223	22-Jul-1998	RETRACTION APPARATUS AND METHODS FOR ENDOSCOPIC SURGERY
2425	GR	Granted	92912086.3	28-May-1992	0586516	1-Sep-1996	APPARATUS FOR MECHANICAL ABDOMINAL WALL RETRACTION
2400	GB	Granted	92301159.7	12-Feb-1992	0499457	14-May-1997	TROCAR
2408	GB	Granted	97202078.8	26-May-1992	0586580	04-Feb-1998	APPARATUS AND METHOD FOR PERITONEAL RETRACTION

2464	GB	Granted	94918161.4	27-May-1994	0705077	08-Apr-1998	RETRACTING TIP TROCAR WITH PLUNGER SENSOR
2425	GB	Granted	92912086.3	28-May-1992	0586516	11-Sep-1996	APPARATUS FOR MECHANICAL ABDOMINAL WALL RETRACTION
2436	GB	Granted	92311062.1	03-Dec-1992	0546769	05-Mar-1997	LOCKING PNEUMONEEDLE
2459	GB	Granted	93916502.3	11-Jun-1993	0648096	18-Nov-1998	REUSABLE TROCAR WITH EASILY REPLACEABLE OBTURATOR
2419	GB	Granted	92913692.7	26-May-1992	0637223	22-Jul-1998	RETRACTION APPARATUS AND METHODS FOR ENDOSCOPIC SURGERY
2402	GB	Granted	93115184.9	21-Sep-1993	0589412	23-Jun-1999	ADAPTER SEAL FOR LAPAROSCOPIC CANNULA
2447	GB	Granted			0595090	12-Mar-1997	TROCAR

2409	GB	Granted	92913030.0	26-May-1992	0586561	04-Sep-1996	RETRACTION METHODS USING ENDOSCOPIC INFLATABLE RETRACTION DEVICES
2419	FR	Granted	92913692.7	26-May-1992	0637223	22-Jul-1998	RETRACTION APPARATUS AND METHODS FOR ENDOSCOPIC SURGERY
2459	FR	Granted	93916502.3	11-Jun-1993	0648096	18-Nov-1998	REUSABLE TROCAR WITH EASILY REPLACEABLE OBTURATOR
2436	FR	Granted	92311062.1	03-Dec-1992	0546769	05-Mar-1997	LOCKING PNEUMONEEDLE
2464	FR	Granted	94918161.4	27-May-1994	0705077	08-Apr-1998	RETRACTING TIP TROCAR WITH PLUNGER SENSOR
2409	FR	Granted	92913030.0	26-May-1992	0586561	04-Sep-1996	RETRACTION METHODS USING ENDOSCOPIC INFLATABLE RETRACTION DEVICES
2447	FR	Granted			0595090	12-Mar-1997	TROCAR

2425	FR	Granted	92912086.3	28-May-1992	0586516	11-Sep-1996	APPARATUS FOR MECHANICAL ABDOMINAL WALL RETRACTION
2408	FR	Granted	97202078.8	26-May-1992	0586580	04-Feb-1998	APPARATUS AND METHOD FOR PERITONEAL RETRACTION
2400	FR	Granted	92301159.7	12-Feb-1992	0499457	14-May-1997	TROCAR
2402	FR	Granted	93115184.9	21-Sep-1993	0589412	23-Jun-1999	ADAPTER SEAL FOR LAPAROSCOPIC CANNULA
2469	FR	Pending	92915954.9	20-Mar-1992	600921		TROCAR WITH RETRACTION TIP
2406	FR	Pending	92912883.3	15-May-1992			TROCAR WITH MULTIPLE CONVERTERS AND DETACHABLE OBTURATOR
2419	ES	Abandoned	92913692.7	26-May-1992	0637223	22-Jul-1993	RETRACTION APPARATUS AND METHODS FOR ENDOSCOPIC SURGERY

2425	ES	Granted	92912086.3	28-May-1992	0586516	11-Sep-1996	APPARATUS FOR MECHANICAL ABDOMINAL WALL RETRACTION
2459	ES	Granted	93916502.3	11-Jun-1993	0648096	18-Nov-1998	REUSABLE TROCAR WITH EASILY REPLACEABLE OBTURATOR
2408	ES	Granted	97202078.8	26-May-1992	0586580	04-Feb-1998	APPARATUS AND METHOD FOR PERITONEAL RETRACTION
2464	ES	Granted	94918161.4	27-May-1994	0705077	08-Apr-1998	RETRACTING TIP TROCAR WITH PLUNGER SENSOR
2422	EP	Abandoned	95918976.2	05-May-1995			INFLATABLE RETRACTING APPARATUS AND METHOD
2459 CIP	EP	Abandoned	94925211.8	08-Aug-1994			TROCAR WITH REPLACEABLE OBTURATOR
2419	EP	Closed	92913692.7	26-May-1992	0637223	22-Jul-1998	RETRACTION APPARATUS AND METHODS FOR ENDOSCOPIC SURGERY

2447	EP	Closed				0595090	12-Mar-1997	TROCAR
2469	EP	Closed	92915954.9		20-Mar-1992			TROCAR WITH RETRACTION TIP
2464	EP	Closed	94918161.4		27-May-1994			RETRACTING TIP TROCAR WITH PLUNGER SENSOR
2436	EP	Granted	92311062.1		03-Dec-1992	0546769	05-Mar-1997	LOCKING PNEUMONEEDLE
2419.1	EP	Granted	97203574.5		26-May-1992	0835639	26-May-1992	RETRACTION APPARATUS AND METHODS FOR ENDOSCOPIC SURGERY
2459	EP	Granted	93916502.3		11-Jun-1993	0648096	18-Nov-1998	REUSABLE TROCAR WITH EASILY REPLACEABLE OBTURATOR
2408 CON	EP	Granted	97202078.8		26-May-1992	0586580	04-Feb-1998	APPARATUS AND METHOD FOR PERITONEAL RETRACTION

2406	EP	Granted	92912883.3	15-May-1992	0600895	04-Aug-1999	TROCAR WITH MULTIPLE CONVERTERS AND DETACHABLE OBTURATOR
2425	EP	Granted	92912086.3	28-May-1992	0586516	11-Sep-1996	APPARATUS FOR MECHANICAL ABDOMINAL WALL RETRACTION
2402	EP	Granted	93115184.9	21-Sep-1993	0589412	23-Jun-1999	ADAPTER SEAL FOR LAPAROSCOPIC CANNULA
2400	EP	Granted	92301159.7	12-Feb-1992	0499457	14-May-1997	TROCAR
2409	EP	Granted	92913030.0	26-May-1992	0586561	04-Sep-1996	RETRACTION METHODS USING ENDOSCOPIC INFLATABLE RETRACTION DEVICES
2448 DIV 6	EP	Pending	97203193.4	07-Jun-1995			SURGICAL HELICAL FASTENER WITH APPLICATOR
2448	EP	Pending	95923760.3	07-Jun-1995			SURGICAL HELICAL FASTENER WITH APPLICATOR

2448 DIV 1	EP	Pending	97203195.9	06-Jul-1995			SURGICAL HELICAL FASTENER WITH APPLICATOR
2448 DIV 2	EP	Pending	97203194.2	07-Jun-1995			SURGICAL HELICAL FASTENER WITH APPLICATOR
2448 DIV 3	EP	Pending	97203197.5	07-Jun-1995			SURGICAL HELICAL FASTENER WITH APPLICATOR
2448 DIV 4	EP	Pending	97203196.7	07-Jun-1995			SURGICAL HELICAL FASTENER WITH APPLICATOR
2406 CON	EP	Pending	98203478.7	15-May-1992			TROCAR WITH MULTIPLE CONVERTERS AND DETACHABLE OBTURATOR
2418	EP	Pending	96945432.1	27-Dec-1996			METHOD AND INFLATABLE CHAMBER APPARATUS FOR SEPARATING LAYERS OF TISSUE
2426	EP	Pending	94930446.3	16-Sep-1994			ABDOMINAL WALL RETRACTION SYSTEM FOR WIDE CAVITY RETRACTION

2448 DIV 5	EP	Pending	97203204.9	07-Jun-1995		SURGICAL HELICAL FASTENER WITH APPLICATOR
2423	EP	Pending	92913461.7	29-May-1992		METHOD AND APPARATUS FOR BODY STRUCTURE MANIPULATION AND DISSECTION
2416	EP	Pending	96910356.3	01-Mar-1996		INFLATABLE DEVICES FOR SEPARATING LAYERS OF TISSUE, AND METHODS OF USING
2448 DIV 7	EP	Pending	97203194.2	07-Jun-1995		SURGICAL HELICAL FASTENER WITH APPLICATOR
2452	EP	Pending	96907919.3	01-Mar-1996		FLEXIBLE LIFTING APPARATUS
2419	DK	Abandoned	92913692.7	26-May-1992	22-Jul-1998	RETRACTION APPARATUS AND METHODS FOR ENDOSCOPIC SURGERY
2425	DK	Granted	92912086.3	28-May-1992	11-Sep-1996	APPARATUS FOR MECHANICAL ABDOMINAL WALL RETRACTION

2464	DK	Granted	94918161.4	27-May-1994	0705077	08-Apr-1998	RETRACTING TIP TROCAR WITH PLUNGER SENSOR
2436	DE	Granted	92311062.1	03-Dec-1992	0546769	05-Mar-1997	LOCKING PNEUMONEEDLE
2425	DE	Granted	92912086.3	28-May-1992	0586516	11-Sep-1996	APPARATUS FOR MECHANICAL ABDOMINAL WALL RETRACTION
2408	DE	Granted	97202078.8	26-May-1992	0586580	04-Feb-1998	APPARATUS AND METHOD FOR PERITONEAL RETRACTION
2459	DE	Granted	93916502.3	11-Jun-1993	0648096	18-Nov-1998	REUSABLE TROCAR WITH EASILY REPLACEABLE OBTURATOR
2400	DE	Granted	92301159.7	12-Feb-1992	0499457	14-May-1997	TROCAR
2402	DE	Granted	93115184.9	21-Sep-1993	0589412	23-Jun-1999	ADAPTER SEAL FOR LAPAROSCOPIC CANNULA

2447	DE	Granted				0595090	12-Mar-1997	TROCAR
2464	DE	Granted	94918161.4			27-May-1994	0705077	RETRACTING TIP TROCAR WITH PLUNGER SENSOR
2409	DE	Granted	92913030.0			26-May-1992	0586561	RETRACTION METHODS USING ENDOSCOPIC INFLATABLE RETRACTION DEVICES
2419	DE	Granted	92913692.7			26-May-1992	0637223	RETRACTION APPARATUS AND METHODS FOR ENDOSCOPIC SURGERY
2469	DE	Pending	92915954.9			20-Mar-1992		TROCAR WITH RETRACTION TIP
2406	DE	Pending	92912883.3			15-May-1992	0600895T1	TROCAR WITH MULTIPLE CONVERTERS AND DETACHABLE OBTURATOR
2419	CH	Abandoned	92913692.7			26-May-1992	0637223	RETRACTION APPARATUS AND METHODS FOR ENDOSCOPIC SURGERY

2425	CH	Granted	92912086.3	28-May-1992	0586516	11-Sep-1996	APPARATUS FOR MECHANICAL ABDOMINAL WALL RETRACTION
2419	CA	Abandoned	2109714	26-May-1992			RETRACTION APPARATUS AND METHODS FOR ENDOSCOPIC SURGERY
2400	CA	Granted	2060732	06-Feb-1992	2060732	29-Dec-1998	TROCAR
2448	CA	Granted	2196905	07-Jun-1995	2196905	07-Sep-1999	SURGICAL HELICAL FASTENER WITH APPLICATOR
2408	CA	Granted	2109937	26-May-1992	2109937	10-Aug-1999	APPARATUS AND METHOD FOR PERITONEAL RETRACTION
2402	CA	Pending	2105803	09-Sep-1993	2105803		ADAPTER SEAL FOR LAPAROSCOPIC CANNULA
2426	CA	Pending	PCTUS94/10537	16-Sep-1994			ABDOMINAL WALL RETRACTION SYSTEM FOR WIDE CAVITY RETRACTION

2425	CA	Pending	2109795	28-May-1992			APPARATUS FOR MECHANICAL ABDOMINAL WALL RETRACTION
2459	CA	Pending	2137356	11-Jun-1993			REUSABLE TROCAR WITH EASILY REPLACEABLE OBTURATOR
2416	CA	Pending	2215392	01-Mar-1996			INFLATABLE DEVICES FOR SEPARATING LAYERS OF TISSUE, AND METHODS OF USING
2409	CA	Pending	2109803	26-May-1992			RETRACTION METHODS USING ENDOSCOPIC INFLATABLE RETRACTION DEVICES
2418	CA	Pending	2242291	03-Jul-1998			METHOD AND INFLATABLE CHAMBER APPARATUS FOR SEPARATING LAYERS OF TISSUE
2452	CA	Pending	2214632	01-Mar-1996			FLEXIBLE LIFTING APPARATUS
2447	CA	Pending	2107852	06-Oct-1993			TROCAR

2459 CIP	CA	Pending	2171969	08-Aug-1994		TROCAR WITH REPLACEABLE OBTURATOR
2419	BE	Abandoned	92913692.7	26-May-1992	0637223	22-Jul-1998 RETRACTION APPARATUS AND METHODS FOR ENDOSCOPIC SURGERY
2464	BE	Granted	94918161.4	27-May-1994	0705077	08-Apr-1998 RETRACTING TIP TROCAR WITH PLUNGER SENSOR
2425	BE	Granted	92912086.3	28-May-1992	0586516	11-Sep-1996 APPARATUS FOR MECHANICAL ABDOMINAL WALL RETRACTION
2419	AU	Abandoned	21851/92	26-May-1992		RETRACTION APPARATUS AND METHODS FOR ENDOSCOPIC SURGERY
2408	AU	Granted	21587/92	26-May-1992	666855	09-Jul-1996 APPARATUS AND METHOD FOR PERITONEAL RETRACTION
2419 DIV	AU	Granted	61985/96	08-Aug-1996	695823	03-Dec-1998 RETRACTION APPARATUS AND METHODS FOR ENDOSCOPIC SURGERY

2408 CON	AU	Granted	54573/96	28-May-1996	696547	24-Dec-1998	APPARATUS AND METHOD FOR PERITONEAL RETRACTION
2400	AU	Granted	10751/92	05-Feb-1992	646139	05-Feb-1992	TROCAR
2409	AU	Granted	21456/92	26-May-1992	656008	04-Sep-1996	RETRACTION METHODS USING ENDOSCOPIC INFLATABLE RETRACTION DEVICES
2436	AU	Granted	29647/92		651745	25-Nov-1992	LOCKING PNEUMONEEDLE
2419	AT	Abandoned	92913692.7	26-May-1992	0637223	22-Jul-1998	RETRACTION APPARATUS AND METHODS FOR ENDOSCOPIC SURGERY
2425	AT	Granted	92912086.3	28-May-1992	0586516	11-Sep-1996	APPARATUS FOR MECHANICAL ABDOMINAL WALL RETRACTION