PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Vivant LLC	04/02/2013

RECEIVING PARTY DATA

Name:	COVIDIEN LP	
Street Address:	5 HAMPSHIRE STREET	
City:	MANSFIELD	
State/Country:	MASSACHUSETTS	
Postal Code:	02048	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13477374

CORRESPONDENCE DATA

Fax Number: 3035816632

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 303-530-2300

Email: ebd.iplegal@covidien.com

Correspondent Name: Covidien LP

Address Line 1: 5920 Longbow Drive

Address Line 2: Attn: IP Legal

Address Line 4: Boulder, COLORADO 80301

ATTORNEY DOCKET NUMBER:	H-EB-00359
NAME OF SUBMITTER:	Eleanor Vigil
Signature:	/Eleanor Vigil/
Date:	05/22/2013

Total Attachments: 50

PATENT REEL: 030465 FRAME: 0688 H \$40.00 13477;

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ASSIGNMENT

WHEREAS, Vivant LLC (hereinafter, the "Assignor"), a Delaware Limited Liability Company, having a place of business at 5920 Longbow Drive, Boulder, Colorado 80301 and, the owner of all right, title and interest in and to the patents and patent applications listed in Schedule A attached hereto and incorporated herein; and

WHEREAS, Covidien LP (hereinafter, the "Assignee"), a Delaware Limited Partnership, having a place of business at 15 Hampshire Street, Mansfield, MA 02048, is desirous of acquiring said patents and patent applications listed in Schedule A;

WHEREAS, by Action of a Certificate of Conversion dated as of December 26, 2012, Pursuant to Sections 103 and 266 of the General Corporation Law of the State of Delaware and Sections 18-204 and 18-214 of the Delaware Limited Liability Company Act, Vivant Medical, Inc. was converted into Assignor;

WHEREAS, Assignor hereby conveys and assigns to the Assignee, and the successors, assigns and legal representatives of the Assignee, and Assignee hereby accepts from Assignor, Assignor's entire right, title and interest in and to said patents and patent applications listed in Schedule A, 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 said patents and patent applications listed in Schedule A.

WHEREAS, Assignor represents and warrants to Assignee that:

- (a) Assignor has the right, power and authority to enter into this Assignment;
- (b) Assignor is the exclusive owner of all right, title and interest, including all intellectual property rights, in said patents and patent applications listed in Schedule A;
- (c) The patents and patent applications listed in Schedule A are free of any liens, security interests, encumbrances or licenses;
- (d) There are no claims, pending or threatened, with respect to Assignor's rights in said patents and patent applications listed in Schedule A;

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- (e) This Assignment is valid, binding and enforceable in accordance with its terms; and
- (f) Assignor is not subject to any agreement, judgment or order inconsistent with the terms of this Assignment.

NOW THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, Assignor does hereby irrevocably assign, sell and transfer unto the Assignee, all of its right, title and interest in and to said patents and patent applications listed in Schedule A in the United States and all jurisdictions outside the United States (including, all divisional, continuation, continuation-in-part, substitute, renewal, reissue, re-examinations, and all other applications for patent which have been or shall be filed in the United States, including all provisional and non-provisional applications, and all foreign countries relating to such patents and patent applications; all original and reissued or re-examined patents which have been or shall be issued in the United States and all foreign countries for such patents and patent applications; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on the patents and patent applications, and any priority right that may arise from said patents and patent applications listed in Schedule A), the same to be held and enjoyed by Assignee as fully and entirely as said interest could have been held and enjoyed by Assignor had this sale, assignment, transfer and conveyance not been made. Assignor authorizes the Commissioner of Patents of the United States and other empowered officials of the United States Patent and Trademark Office and in any applicable jurisdictions outside the United States to record the transfer ownership of the patents and patent applications set forth on Schedule A to Assignee as assignee of Assignor's entire right, title and interest therein. Assignor agrees to further execute any documents reasonably necessary to effect this assignment or to confirm Assignee's entire right, title and interest in and to said patents and patent applications listed in Schedule A.

This assignment by Assignor to Assignee of its entire right, title and interest in and to said patents and patent applications listed in Schedule A, shall be effective as of the date hereof.

This Agreement shall be governed by the laws of the State of Delaware, without

regard to the principles of conflicts of law thereof.

This Assignment contains the entire understanding between the parties hereto with respect to its subject matter and supersedes any prior or contemporaneous written or oral assignments, representations or warranties between them respecting the subject matter hereof.

This Assignment may be amended only by a writing signed by both parties.

If any term, provision, covenant or condition of this Assignment, or the application thereof to any person, place or circumstance, shall be held by a court of competent jurisdiction to be invalid, unenforceable or void, the remainder of this Assignment and such term, provision, covenant or condition as applied to other persons, places and circumstances shall remain in full force and effect.

Assignor agrees to perform any further acts and execute and deliver any documents that may be reasonably necessary to carry out the provisions of this Assignment.

Vivant LLC	
Signature:	Name: JUHN W. KAPPLES Type or print the name of the person authorized to sign on behalf of ASSIGNOR (Vivant LLC)
Date: $\frac{4/2/13}{2}$	Title: SECRETARY
only be prima facie evidence of execution 35 USC 261. U	ressary. If the assignment is notarized or legalized then it will Use next page if notarization is desired. egalization Page Added
WITNESS:	
Signature: Cyllyl	
Date: $\frac{4/2/13}{}$	Location: MANSFIELD, MA
ACCEPTED:	
By:	Title: SECRETARY

SCHEDULE A

Govidien Docket	Serial	Title:	Filing/date	lssue date	lssue number
No.	number	ISSUED US PATEN		ISSUO GALO	
· · · · · · · · · · · · · · · · · · ·	T	IPERCUTANEOUS			
H-US-00499	09/145487	TISSUE REMOVAL DEVICE	9/1/1998	10/24/2000	6136014
H-US-00501 CIP	09/184766	EXPANDABLE RING PERCUTANEOUS TISSUE REMOVAL DEVICE	11/2/1998	3/14/2000	6036698
H-US-00503	09/336371	MODULAR BIOPSY AND MICROWAVE ABLATION NEEDLE DELIVERY APPARATUS ADAPTED TO IN SITU ASSEMBLY AND METHOD OF USE	6/17/1999	10/23/2001	6306132
H-05-00503	09/3303/1	TRACK ABLATION	0/1//1999	10/23/2001	0300102
H-US-00503 CIP	09/356077	DEVICE AND METHODS OF USE	7/16/1999	3/12/2002	6355033
H-US-00501 CIP CON	09/449006	EXPANDABLE RING PERCUTANEOUS TISSUE REMOVAL DEVICE	11/24/1999	10/29/2002	6471709
H-US-00503 CIP CON	09/827528	NEEDLE KIT AND METHOD FOR MICROWAVE ABLATION, TRACK COAGULATION, AND BIOPSY	4/6/2001	6/24/2003	6582426
H-US-00503 DIV	10/035793	MODULAR BIOPSY AND MICROWAVE ABLATION NEEDLE DELIVERY APPARATUS ADAPTED TO IN SITU ASSEMBLY AND METHOD OF USE		11/25/2003	6652520
H-US-00496	10/052848	HIGH STRENGTH MICROWAVE ANTENNA ASSEMBLIES	11/2/2001	4/12/2005	6878147
H-US-00498 (1)	10/271850	LOCALIZATION ELEMENT WITH ENERGIZED TIP	10/15/2002	6/22/2004	6752767
H-US-00496 CIP	10/272058	HIGH STRENGTH MICROWAVE ANTENNA ASSEMBLIES AND METHODS OF USE	10/15/2002	10/31/2006	7128739

SCHEDULE A

Covidien Docket) No.	Serial number	ilitle	Filing date	lssue date	lssue number
H-US-00498 (2)	10/272314	MICROWAVE ANTENNA HAVING A CURVED CONFIGURATION NEEDLE KIT AND	10/15/2002	3/27/2007	7197363
H-US-00503 CIP CON 2	10/428362	METHOD FOR MICROWAVE ABLATION, TRACK COAGULATION, AND BIOPSY	5/1/2003	1/9/2007	7160292
H-US-00497	10/622800	DEVICES AND METHODS FOR COOLING MICROWAVE ANTENNAS	7/18/2003	12/25/2007	7311703
H-US-00498 CON	10/833598	LOCALIZATION ELEMENT WITH ENERGIZED TIP	4/27/2004	12/23/2008	7468042
H-US-00496 DIV	10/961761	HIGH STRENGTH MICROWAVE ANTENNA ASSEMBLIES	10/7/2004	1/15/2008	7318824
H-US-00496 CON	10/961994	HIGH STRENGTH MICROWAVE ANTENNA ASSEMBLIES	10/7/2004	12/12/2006	7147632
H-US-00497 DIV	11/053987	DEVICES AND METHODS FOR COOLING MICROWAVE ANTENNAS	2/8/2005	1/25/2011	7875024
H-US-00500	11/126531	REINFORCED HIGH STRENGTH MICROWAVE ANTENNA	5/10/2005	9/21/2010	7799019
H-US-00496 CON 2	11/493392	HIGH STRENGTH MICROWAVE ANTENNA ASSEMBLIES	7/26/2006	5/5/2009	7527623
H-US-00496 DIV 2	11/493393	METHOD OF MANUFACTURING A MICROWAVE ANTENNA ASSEMBLY	7/26/2006	9/29/2009	7594313
H-US-00496 CIP CON	11/508034	HIGH STRENGTH MICROWAVE ANTENNA ASSEMBLIES AND METHODS OF USE	8/22/2006	1/4/2011	7862559

Page 2 of 5

Govidien Docket No.	Serial number	Title	Filling date	issue date	lssue number
HAMMARK DERBACHURENAAN REGERGEREELD		MICROWAVE ANTENNA	iiyasiiiska Arramaarai	Weberran fizzer Seeskan	Contracting to the Contraction
		ASSEMBLY AND METHOD OF USING			
H-US-00546	11/529823	THE SAME	9/29/2006	11/29/2011	8068921
11.110.00757	44/700504	COOLED HELICAL	4/05/0007	0/40/0044	7000400
H-US-00757	11/789521	ANTENNA FOR MICROWAVE CABLE	4/25/2007	8/16/2011	7998139
H-US-00691	11/820193	COOLING	6/18/2007	8/17/2010	7777130
		ELECTROSURGICAL SYSTEMS AND			
		PRINTED CIRCUIT			
		BOARDS FOR USE			
H-US-00943	11/881945	THEREWITH	7/30/2007	4/10/2012	8152800
		ELECTRICAL RECEPTACLE	:		
H-US-00942	11/899249	ASSEMBLY	9/5/2007	1/12/2010	7645142
		COOLANT LINE CLIP			
		ASSEMBLIES FOR USE WITH FLUID DELIVERY		!	
H-US-01219	12/123645	SYSTEMS	5/20/2008	10/18/2011	8037895
		OLIDADI E CHOKE			
 H-US-01189	12/129482	SLIDABLE CHOKE MICROWAVE ANTENNA	5/29/2008	11/15/2011	8059059
			5.25	· · · · · · · · · · · · · · · · · · ·	
		MIODOMANIE ANTENNA			
		MICROWAVE ANTENNA ASSEMBLY HAVING A			
		DIELECTRIC BODY			
	Ì	PORTION WITH RADIAL			
H-US-01239	12/197405	PARTITIONS OF DIELECTRIC MATERIAL	8/25/2008	7/3/2012	8211098
H-US-01205	12/199935	MICROWAVE ANTENNA	8/28/2008	8/28/2012	8251987
		MICROWAVE SYSTEM			
		CALIBRATION			
H-US-01676	12/241905	APPARATUS, SYSTEM AND METHOD OF USE	9/30/2008	5/15/2012	0100422
H-03-01070	12/24 1905	SYSTEM, APPARATUS	9/30/2006	5/ 15/2012	8180433
		AND METHOD FOR			
		DISSIPATING	l		
		STANDING WAVE IN A MICROWAVE			
H-US-01679	12/242026	DELIVERY SYSTEM	9/30/2008	8/21/2012	8248075
		INTERMITTENT			
	ľ	MICROWAVE ENERGY			
H-US-01680	12/242061	DELIVERY SYSTEM	9/30/2008	5/8/2012	8174267

Covidien Docket No:	Serial number	Title	Filing date	Issue date	issue number
		MICROWAVE			No. 1200 Charges - No. 1200 April 201 April 20
		ABLATION GENERATOR			
H-US-01110	12/242102	CONTROL SYSTEM	9/30/2008	8/14/2012	8242782
		FLOATING			
		CONNECTOR FOR MICROWAVE			
H-US-01081 (1)	12/273411	SURGICAL DEVICE	11/18/2008	5/11/2010	7713076
	<u> </u>				
		SYSTEM AND METHOD			
H-US-01109 (1)	12/274440	FOR FIELD ABLATION PREDICTION	11/20/2008	3/6/2012	8131339
		LOCALIZATION	1112072000	0/0/2012	0101000
		ELEMENT WITH			
H-US-00498 CON 2	12/331663	ENERGIZED TIP	12/10/2008	12/7/2010	7846108
		THERMALLY TUNED COAXIAL CABLE FOR			
		MICROWAVE			:
H-US-01039 (1)	12/351633	ANTENNAS	1/9/2009	1/5/2010	7642451
		MEDICAL DEVICE			
	Ī	INCLUDING MEMBER			
		THAT DEPLOYS IN A SPIRAL-LIKE			
		CONFIGURATION AND			
H-US-00845 (1)	12/353617	METHOD	1/14/2009	9/11/2012	8262703
		ELECTRICAL			
U US 00042 CON	40/050007	RECEPTACLE	4 100 10000		
H-US-00942 CON	12/358067	ASSEMBLY LEAKY-WAVE	1/22/2009	8/10/2010	7771201
		ANTENNAS FOR			
		MEDICAL			
H-US-01285	12/389906	APPLICATIONS	2/20/2009	6/12/2012	8197473
		LEAKY-WAVE			
		ANTENNAS FOR MEDICAL			
H-US-01687	12/389915	APPLICATIONS	2/20/2009	6/19/2012	8202270
		HIGH-STRENGTH			
		MICROWAVE ANTENNA			
H-US-01269 (1)	12/399222	COUPLING	3/6/2009	8/21/2012	8246614
		COOLED DIELECTRICALLY			
		BUFFERED			
l		MICROWAVE DIPOLE			
H-US-01649	12/401268	ANTENNA	3/10/2009	2/21/2012	8118808
		HIGH-STRENGTH			
		MICROWAVE ANTENNA			
H-US-00496 CON 3	12/419395	ASSEMBLIES	4/7/2009	10/11/2011	8035570

Govidien Docket	Serial		Piliti in A		
No.	number	Title POWER STAGE-	Filing date	Issue date	Issue number
		ANTENNA			
		INTEGRATED SYSTEM			
ILL US OSOEE	10/406007	WITH JUNCTION	5/0/2000	7/40/0040	2042227
H-US-02055	12/436237	MEMBER TISSUE IMPEDANCE	5/6/2009	7/10/2012	8216227
i		MEASUREMENT USING			
		A SECONDARY			
H-US-01847	12/468718	FREQUENCY ELECTROSURGICAL	5/19/2009	8/21/2012	8246615
		DEVICES WITH			:
		DIRECTIONAL			
H-US-01735	12/476960	RADIATION PATTERN	6/2/2009	8/7/2012	8235981
		HIGH EFFICIENCY MICROWAVE			
H-US-01722	12/504738	AMPLIFIER	7/17/2009	1/4/2011	7863984
		FLOATING			, 5555
		CONNECTOR FOR			
H-US-01081 DIV	12/508700	MICROWAVE SURGICAL DEVICE	7/24/2009	7/6/2010	7749011
11 00 01001 217	12/000100	METHOD FOR	172472000	77072010	7743071
l		CONSTRUCTING A		•	
H-US-01792	12/556238	DIPOLE ANTENNA THERMALLY TUNED	9/9/2009	12/6/2011	8069553
		COAXIAL CABLE FOR			
		MICROWAVE			
H-US-01039 CON	12/651762	ANTENNAS	1/4/2010	9/4/2012	8258399
		FLOATING CONNECTOR FOR			
		MICROWAVE			
H-US-01081 CON	12/769457	SURGICAL DEVICE	4/28/2010	6/21/2011	7963785
H HC 00604 DIV	40/04/4707	MICROWAVE CABLE	6/44/2040	4/40/0040	2002500
H-US-00691 DIV	12/814787	COOLING	6/14/2010	1/10/2012	8093500
		REINFORCED HIGH			
		STRENGTH			
H-US-00500 CON	12/859841	MICROWAVE ANTENNA	8/20/2010	9/6/2011	8012148
		REINFORCED HIGH			
		STRENGTH			
H-US-00500 CON 2	13/214503	MICROWAVE ANTENNA	8/22/2011	6/5/2012	8192423
H-US-01896	29/341411	MEDICAL DEVICE INDICATOR GUIDE	8/5/2009	3/8/2011	D634010
		VENTED MICROWAVE	5.0,2000	5.0/2011	230.10.10
H-US-02270	29/341481	SPACER	8/6/2009	4/6/2010	D613412

Govidlen Docket No.	Serial number	Title	Filing date
	PENDING	US PATENT APPLICATIONS	
H-US-00503 CIP CON 3	11/640624	NEEDLE KIT AND METHOD FOR MICROWAVE, TRACK COAGULATION, AND BIOPSY	12/18/2006
H-US-00498 CON 2	11/713927	MICROWAVE ANTENNA HAVING A CURVED CONFIGURATION	3/5/2007
H-US-00680	11/799374	ACCORDIAN STYLE CABLE STAND-OFF	5/1/2007
H-US-00747	11/805052	ENERGY DELIVERY CONDUITS FOR USE WITH ELECTROSURGICAL DEVICES	5/22/2007
H-US-00731	11/820679	REFLECTIVE POWER MONITORING FOR MICROWAVE APPLICATIONS	6/20/2007
H-US-00896	11/823639	BROADBAND MICROWAVE APPLICATOR	6/28/2007
H-US-00932	11/900874	FREQUENCY TUNING IN A MICROWAVE ELECTROSURGICAL SYSTEM	9/13/2007
H-US-00497 CON	11/940738	DEVICES AND METHODS FOR COOLING MICROWAVE ANTENNAS	11/15/2007
H-US-01218	12/147093	DEPLOYABLE MICROWAVE ANTENNA FOR TREATING TISSUE	6/26/2008
H-US-01326	12/181504	TISSUE ABLATION SYSTEM WITH PHASE-CONTROLLED CHANNELS	7/29/2008
H-US-01630	12/197473	DUAL-BAND DIPOLE MICROWAVE ABLATION ANTENNA	8/25/2008
H-US-01217	12/197601	DUAL-BAND DIPOLE MICROWAVE ABALATION ANTENNA	8/25/2008
H-US-01631	12/203474	MICROWAVE SHIELDING APPARATUS	9/3/2008
H-US-01043	12/203734	SHIELDING FOR AN ISOLATION APPARATUS USED IN A MICROWAVE GENERATOR	9/3/2008
H-US-00681 (1)	12/240091	CABLE STAND-OFF	9/29/2008
H-US-01181	12/241861	DELIVERED ENERGY GENERATOR FOR MICROWAVE ABLATION	9/30/2008
H-US-01677	12/241942	MICROWAVE SYSTEM TUNER	9/30/2008
H-US-01678	12/241983	MICROWAVE SYSTEM CALIBRATION APPARATUS AND METHOD OF USE	9/30/2008

Covidien Docket No.	Serial number	Title	Filing date
H-US-01284	12/250110	ANTENNA ASSEMBLIES FOR MEDICAL APPLICATIONS	10/13/2008
H-US-01714	12/250171	ANTENNA ASSEMBLIES FOR MEDICAL APPLICATIONS	10/13/2008
H-US-01583	12/253457	CHOKED DIELECTRIC LOADED TIP DIPOLE MICROWAVE ANTENNA	10/17/2008
H-US-00849 (1)	12/265024	DYNAMICALLY MATCHED MICROWAVE ANTENNA FOR TISSUE ABLATION	11/5/2008
H-US-00844(1)	12/277951	TARGETED COOLING OF DEPLOYABLE MICROWAVE ANTENNA	11/25/2008
H-US-01179 (1)	12/350292	CHOKED DIELECTRIC LOADED TIP DIPOLE MICROWAVE ANTENNA	1/8/2009
H-US-00817 (1)	12/353623	ARTICULATING ABLATION DEVICE AND METHOD	1/14/2009
H-US-00819	12/395034	INTRACOOLED PERCUTANEOUS MICROWAVE ABLATION PROBE	2/27/2009
H-US-00868	12/413011	MICROWAVE ABLATION DEVICES INCLUDING EXPANDABLE ANTENNAS AND METHODS OF USE	3/27/2009
H-US-01038 (1)	12/413023	RE-HYDRATION ANTENNA FOR ABLATION	3/27/2009
H-US-01543	12/416583	MICROWAVE ABLATION SYSTEM WITH USER-CONTROLLED ABLATION SIZE AND METHOD OF USE	4/1/2009
H-US-01650	12/423609	FREQUENCY IDENTIFICATION FOR MICROWAVE ABLATION PROBES	4/14/2009
H-US-01252	12/436231	POWER-STAGE ANTENNA INTEGRATED SYSTEM	5/6/2009
H-US-02056	12/436239	POWER-STAGE ANTENNA INTEGRATED SYSTEM WITH HIGH- STRENGTH SHAFT	5/6/2009
H-US-01851	12/472831	NARROW GAUGE HIGH STRENGTH CHOKED WET-TIP MICROWAVE ABLATION ANTENNA	5/27/2009

Covidien Docket No.	Serial number	Title	Filing date
		MICROWAVE ABLATION SAFETY PAD,	
	1.0	MICROWAVE SAFETY PAD SYSTEM	5 100 1000
H-US-01534	12/475082	AND METHOD OF USE	5/29/2009
H-US-01593	12/487917	MICROWAVE ABLATION ANTENNA RADIATION DETECTOR	6/19/2009
H-US-01740	12/49/3302	ABLATION PROBE FIXATION	6/29/2009
11-00-017-40	12/40002	ABB (HORT ROBE FIRETION	0/20/2000
	10/505054	ELECTROSURGICAL DEVICES HAVING DIELECTRIC LOADED COAXIAL APERTURE WITH DISTALLY POSITIONED RESONANT STRUCTURE AND METHOD OF MANUFACTURING	0/5/0000
H-US-01736	12/535851	SAME	8/5/2009
H-US-01737	12/535856	DIRECTIVE WINDOW ABLATION ANTENNA WITH DIELECTRIC LOADING	8/5/2009
H-US-01773	12/536616	VENTED POSITIONER AND SPACER AND METHOD OF USE	8/6/2009
H-US-01738	12/542348	SURFACE ABLATION ANTENNA WITH DIELECTRIC LOADING	8/17/2009
H-US-01593 CIP	12/542785	MICROWAVE ABLATION ANTENNA RADIATION DETECTOR	8/18/2009
H-US-01723	12/547155	MICROWAVE ABLATION WITH TISSUE TEMPERATURE MONITORING	8/25/2009
H-US-01540	12/548644	ECOGENIC COOLED MICROWAVE ABLATION ANTENNA	8/27/2009
H-US-01793	12/555576	MICROWAVE ANTENNA PROBE WITH HIGH-STRENGTH CERAMIC COUPLER	9/8/2009
H-US-01724	12/556010	SYSTEM AND METHOD FOR PERFORMING AN ABLATION PROCEDURE	9/9/2009
H-US-01790	12/561096	PERFUSED CORE DIELECTRICALLY LOADED DIPOLE MICROWAVE ANTENNA PROBE	9/16/2009
H-US-01901	12/562575	SYSTEM AND METHOD FOR CHECKING HIGH POWER MICROWAVE ABLATION SYSTEM STATUS ON STARTUP	9/18/2009
H-US-01993	12/562842	TISSUE ABLATION SYSTEM WITH ENERGY DISTRIBUTION	9/18/2009

Govidlen Docket No.	Serial number	Title	Filing date
		OPTICAL DETECTION OF INTERRUPTED FLUID FLOW TO	
H-US-01797	12/566299	ABLATION PROBE	9/24/2009
		FEEDPOINT OPTIMIZATION FOR MICROWAVE ABLATION DIPOLE	
H-US-01913	12/568067	ANTENNA WITH INTEGRATED TIP	9/28/2009
		ELECTROSURGICAL DEVICES, DIRECTIONAL REFLECTOR ASSEMBLIES COUPLEABLE THERETO,	
H-US-01798	12/568524	AND ELECTROSURGICAL SYSTEMS INCLUDING SAME	9/28/2009
H-US-01850	12/568551	MICROWAVE SURFACE ABLATION USING CONICAL PROBE	9/28/2009
H-US-01796	12/568777	FLUID COOLED CHOKE DIELECTRIC AND COAXIAL CABLE DIELECTRIC	9/29/2009
H-US-01794	12/568838	MATERIAL FUSING APPARATUS, SYSTEM AND METHOD OF USE	9/29/2009
H-US-01826	12/568883	MANAGEMENT OF VOLTAGE STANDING WAVE RATIO AT SKIN SURFACE DURING MICROWAVE ABLATION	9/29/2009
H-US-01867	12/568972	FLOW RATE MONITOR FOR FLUID COOLED MICROWAVE ABLATION PROBE	9/29/2009
H-US-01869	12/569171	FLOW RATE MONITOR FOR FLUID COOLED MICROWAVE ABLATION PROBE	9/29/2009
H-US-01868	12/569685	FLOW RATE MONITOR FOR FLUID COOLED MICROWAVE ABLATION PROBE	9/29/2009
H-US-02106	12/606769	SYSTEM AND METHOD FOR MONITORING ABLATION SIZE	10/27/2009
H-US-02105	12/607221	SYSTEM AND METHOD FOR MONITORING ABLATION SIZE	10/28/2009
H-US-02108	12/607268	SYSTEM AND METHOD FOR MONITORING ABLATION SIZE	10/28/2009
H-US-01844	12/619323	TWIN SEALING CHAMBER HUB	11/16/2009

Govidien Docket No.	Serial number	Title	Filing date
		ELECTROMAGNETIC ENERGY DELIVERY DEVICES INCLUDING AN ENERGY APPLICATOR ARRAY AND ELECTROSURGICAL SYSTEMS	
H-US-01866	12/620289	INCLUDING SAME	11/17/2009
H-US-01691	12/642623	MICROWAVE ABLATION SYSTEM WITH DIELECTRIC TEMPERATURE PROBE	12/18/2009
H-US-02103	12/692856	SYSTEM AND METHOD FOR MONITORING ABLATION SIZE	1/25/2010
H-US-01920	12/696671	APPARATUS AND METHOD OF USE FOR TREATING BLOOD VESSELS	1/29/2010
	40/00000	SYSTEM AND METHOD FOR PERFORMING AN ELECTROSURGICAL PROCEDURE USING AN ABLATION DEVICE WITH AN INTEGRATED	
H-US-01919	12/696966	IMAGING DEVICE ELECTROSURGICAL DEVICES WITH	1/29/2010
H-US-01789	12/701030	CHOKE SHORTED TO BIOLOGICAL TISSUE	2/5/2010
H-US-02102	12/708974	BIPOLAR ELECTRODE PROBES FOR ABLATION MONITORING	2/19/2010
		ABLATION DEVICES WITH DUAL OPERATING FREQUENCIES, SYSTEMS INCLUDING SAME, AND METHODS OF ADUSTING ABLATION VOLUME USING	
H-US-02393	12/709014	SAME SYSTEM AND METHOD FOR	2/19/2010
H-US-02107	12/712864	MONITORING ABLATION SIZE	2/25/2010
H-US-01923	12/713429	SELF-TUNING MICROWAVE ABLATION PROBE	2/26/2010
H-EB-00060	12/713515	TUNABLE MICROWAVE ABLATION PROBE	2/26/2010
H-US-01917	12/713641	TISSUE ABLATION SYSTEM WITH INTERNAL AND EXTERNAL RADIATION SOURCES	2/26/2010
H-US-01999	12/715212	SENSORS ON PATIENT SIDE FOR A MICROWAVE GENERATOR	3/1/2010
H-US-01928	12/719657	MICROWAVE ANTENNA PROBE HAVING A DEPLOYABLE GROUND PLANE	3/8/2010

Covidien Docket No.	Serial number	Titlë.	Filing date
H-US-02418	12/731367	MICROWAVE SURFACE COAGULATOR WITH RETRACTABLE BLADE	3/25/2010
H-US-01915	12/732508	ABLATION DEVICES WITH ADJUSTABLE RADIATING SECTION LENGTHS, ELECTROSURGICAL SYSTEMS INCLUDING SAME, AND METHODS OF ADJUSTING ABLATION FIELDS USING SAME	3/26/2010
H-EB-00083	12/732521	ABLATION DEVICES WITH ADJUSTABLE RADIATING SECTION LENGTHS, ELECTROSURGICAL SYSTEMS INCLUDING SAME, AND METHODS OF ADJUSTING ABLATION FIELDS USING SAME	3/26/2010
H-US-01918	12/772675	SYSTEM AND METHOD OF DEPLOYING AN ANTENNA ASSEMBLY	5/3/2010
H-US-01900	12/777984	ELECTROSURGICAL DEVICES WITH BALUN STRUCTURE FOR AIR EXPOSURE OF ANTENNA RADIATING SECTION AND METHOD OF DIRECTING ENERGY TO TISSUE USING SAME	5/11/2010
H-US-01974	12/786671	FLOW RATE VERIFICATION MONITOR FOR FLUID-COOLED MICROWAVE ABLATION PROBE	5/25/2010
H-US-01925	12/787639	SYSTEM AND METHOD FOR CHEMICALLY COOLING AN ABLATION ANTENNA	5/26/2010
H-US-01921	12/823211	MICROWAVE GROUND PLANE ANTENNA PROBE	6/25/2010
H-US-01914	12/826897	ADJUSTABLE TUNING OF A DIELECTRICALLY LOADED LOOP ANTENNA	6/30/2010
H-US-01930	12/826902	MICROWAVE ANTENNA HAVING A REACTIVELY-LOADED LOOP CONFIGURATION	6/30/2010
H-US-02394	12/837820	DUAL ANTENNA ASSEMBLY WITH USER-CONTROLLED PHASE SHIFTING	7/16/2010

Govidlen Docket No.	Serial number	Title	Filing date
H-US-02284	12/877182	MICROWAVE SPACERS AND METHOD OF USE	9/8/2010
H-US-02333	12/910442	MICROWAVE SPACERS AND METHOD OF USE	10/22/2010
H-EB-00062	12/944951	APPARATUS, SYSTEM AND METHOD FOR PERFORMING AN ELECTROSURGICAL PROCEDURE	11/12/2010
H-EB-00227	12/977390	MICROWAVE FIELD-DETECTING NEEDLE ASSEMBLIES, METHODS OF MANUFACTURING SAME, METHODS OF ADJUSTING AN ABLATION FIELD RADIATING INTO TISSUE USING SAME, AND SYSTEMS INCLUDING SAME	12/23/2010
H-US-02455	12/977415	MICROWAVE FIELD-DETECTING NEEDLE ASSEMBLIES, METHODS OF MANUFACTURING SAME, METHODS OF ADJUSTING AN ABLATION FIELD RADIATING INTO TISSUE USING SAME, AND SYSTEMS INCLUDING SAME	12/23/2010
H-EB-00156	12/985124	ENERGY-DELIVERY DEVICES WITH FLEXIBLE FLUID-COOLED SHAFT, INFLOW/OUTFLOW JUNCTIONS SUITABLE FOR USE WITH SAME, AND SYSTEMS INCLUDING SAME	1/5/2011
H-EB-00155	12/985136	ENERGY-DELIVERY DEVICES WITH FLEXIBLE FLUID-COOLED SHAFT, INFLOW/OUTFLOW JUNCTIONS SUITABLE FOR USE WITH SAME, AND SYSTEMS INCLUDING SAME	1/5/2011
H-EB-00154	12/985155	ENERGY-DELIVERY DEVICES WITH FLEXIBLE FLUID-COOLED SHAFT, INFLOW/OUTFLOW JUNCTIONS SUITABLE FOR USE IWTH SAME, AND SYSTEMS INCLUDING SAME	1/5/2011

Covidien Docket No.	Serial number	Title	Filing date
H-EB-00045	12/985179	ENERGY-DELIVERY DEVICES WITH FLEXIBLE FLUID-COOLED SHAFT, INFLOW/OUTFLOW JUNCTIONS SUITABLE FOR USE WITH SAME, AND SYSTEMS INCLUDING SAME	1/5/2011
H-US-02206	13/020562	SYSTEM AND METHOD FOR ABLATION PROCEDURE MONITORING USING ELECTRODES	2/3/2011
H-US-01795 H-EB-00053	13/020664 13/024041	DUAL ANTENNA MICROWAVE RESECTION AND ABLATION DEVICE, SYSTEM AND METHOD OF USE TISSUE DISSECTORS	2/3/2011 2/9/2011
H-EB-00085	13/029521	ENERY-DELIVERY DEVICE INCLUDING ULTRASOUND TRANSDUCER ARRAY AND PHASED ANTENNA ARRAY	2/17/2011
H-EB-00248	13/029594	ENERGY-DELIVERY DEVICE INCLUDING ULTRASOUND TRANSDUCER ARRAY AND PHASED ANTENNA ARRAY, AND METHODS OF ADJUSTING AN ABLATION FIELD RADIATING INTO TISSUE USING SAME	2/17/2011
H-EB-00285	13/043665	SYSTEMS FOR THERMAL-FEEDBACK- CONTROLLED RATE OF FLUID FLOW TO FLUID-COOLED ANTENNA ASSEMBLY AND METHODS OF DIRECTING ENERGY TO TISSUE USING SAME	
H-EB-00038	13/043694	SYSTEMS FOR THERMAL-FEEDBACK- CONTROLLED RATE OF FLUID FLOW TO FLUID-COOLED ANTENNA ASSEMBLY AND METHODS OF DIRECTING ENERGY TO TISSUE USING SAME	3/9/2011
H-EB-00121	13/050729	ENERGY-BASED ABLATION COMPLETION ALGORITHM	3/17/2011
H-EB-00134	13/083185	MICROWAVE ABLATION INSTRUMENT WITH INTERCHANGEABLE ANTENNA PROBE	4/8/2011

Coxidien Docket No.	Serial number	Title	Filing date
H-EB-00129	13/083256	MICROWAVE TISSUE DISSECTION AND COAGULATION	4/8/2011
H-US-01593 CIP 2	13/104752	LAPAROSCOPIC PORT WITH MICROWAVE RECTIFIER	5/10/2011
H-US-01791	13/118929	MODIFIED WET TIP ANTENNA DESIGN	5/31/2011
H-US-01924	13/206075	MICROWAVE ANTENNA HAVING A COAXIAL CABLE WITH AN ADJUSTABLE OUTER CONDUCTOR CONFIGURATION	8/9/2011
H-EB-00189	13/236997	HANDHELD MEDICAL DEVICES INCLUDING MICROWAVE AMPLIFIER UNIT AT DEVICE HANDLE	9/20/2011
H-EB-00410	13/237068	HANDHELD MEDICAL DEVICES INCLUDING MICROWAVE AMPLIFIER UNIT AT DEVICE HANDLE	9/20/2011
H-EB-00411	13/237187	HANDHELD MEDICAL DEVICES INCLUDING MICROWAVE AMPLIFIER UNIT AT DEVICE HANDLE	9/20/2011
H-EB-00412	13/237342	HANDHELD MEDICAL DEVICES INCLUDING MICROWAVE AMPLIFIER UNIT AT DEVICE HANDLE	9/20/2011
H-EB-00413	13/237488	HANDHELD MEDICAL DEVICES INCLUDING MICROWAVE AMPLIFIER UNIT AT DEVICE HANDLE	9/20/2011
H-US-00496 CON 4	13/267369	HIGH-STRENGTH MICROWAVE ANTENNA ASSEMBLIES	10/6/2011
H-US-01219 CON	13/268054	COOLANT LINE CLIP ASSEMBLIES FOR USE WITH FLUID DELIVERY SYSTEMS	10/7/2011
H-US-01189 DIV	13/268143	SLIDABLE CHOKE MICROWAVE ANTENNA	10/7/2011
H-US-00546 DIV	13/281605	MICROWAVE ANTENNA ASSEMBLY AND METHOD OF USING THE SAME	10/26/2011
H-US-01792 DIV	13/290462	METHOD FOR CONSTRUCTING A DIPOLE ANTENNA	11/7/2011

Covidien Dacket No.	Serial number	Title	Filing date
H-EB-00220	13/343788	ABLATION SYSTEMS, PROBES, AND METHODS FOR REDUCING RADIATION FROM AN ABLATION PROBE INTO THE ENVIRONMENT	1/5/2012
H-EB-00429	13/343798	ABLATION SYSTEMS, PROBES, AND METHODS FOR REDUCING RADIATION FROM AN ABLATION PROBE INTO THE ENVIRONMENT	1/5/2012
H-EB-00253	13/344753	SYSTEM AND METHOD FOR TREATING TISSUE USING AN EXPANDABLE ANTENNA SYSTEM AND METHOD FOR TREATING	1/6/2012
H-US-01916	13/344790	TISSUE USING AN EXPANDABLE ANTENNA	1/6/2012
H-US-01649 DIV	13/351463	COOLED DIELECTRICALLY BUFFERED MICROWAVE DIPOLE ANTENNA	1/17/2012
H-EB-00125	13/419981	MICROWAVE ABLATION GENERATOR CONTROL SYSTEM	3/14/2012
H-US-00943 DIV	13/424127	PRINTED CIRCUIT BOARDS FOR USE THEREWITH	3/19/2012
H-US-02277	13/430810	MICROWAVE-SHIELDED TISSUE SENSOR PROBE	3/27/2012
H-EB-00286	13/440690	ELECTROSURGICAL TISSUE ABLATION SYSTEMS CAPABLE OF DETECTING EXCESSIVE BENDING OF A PROBE AND ALERTING A USER	4/5/2012
H-IL-00075 (1)	13/442831	FLEXIBLE MICROWAVE CATHETERS FOR NATURAL OR ARTIFICIAL LUMENS	4/9/2012
H-US-01179 CON	13/444496	CHOKED DIELECTRIC LOADED TIP DIPOLE MICROWAVE ANTENNA	4/11/2012
H-EB-00385	13/460398	LIMITED REUSE ABLATION NEEDLES AND ABLATION DEVICES FOR USE THEREWITH	4/30/2012
H-EB-00384	13/460414	LIMITED REUSE ABLATION NEEDLES AND ABLATION DEVIES FOR USE THEREWITH	4/30/2012

Govidlen Docket No.	Serial number	Fifte	Filing date
		LIMITED REUSE ABLATION NEEDLES	100000000000000000000000000000000000000
		AND ABLATION DEVICES FOR USE	
H-EB-00250	13/460440	THEREWITH	4/30/2012
		PERIPHERAL SWITCHING DEVICE FOR	
H-EB-00300	13/464021	MICROWAVE ENERGY PLATFORMS	5/4/2012
	1	ENERGY-DELIVERY SYSTEM AND	0/4/2012
		METHOD FOR CONTROLLING BLOOD	
H-EB-00405	13/477260	LOSS FROM WOUNDS	5/22/2012
H-EB-00362	13/477279	FIDUCIAL TRACKING SYSTEM	5/22/2012
H-EB-00361	13/477291	SURGICAL NAVIGATION SYSTEM	5/22/2012
		TEMPERATURE BASED ABLATION	
H-EB-00121 CIP	13/477307	COMPLETENESS ALGORITHM	5/22/2012
H-EB-00290	13/477320	ELECTROSURGICAL ISTSRUMENT	5/22/2012
	l	SYSTEMS AND METHODS FOR	
H-EB-00359	13/477374	PLANNING AND NAVIGATION	5/22/2012
		PLANNING SYSTEM AND NAVIGATION	
H-EB-00364	13/477395	SYSTEM FOR AN ABLATION PROCEDURE	E/00/0040
H-EB-00360	13/477406	TREATMENT PLANNING SYSTEM	5/22/2012 5/22/2012
	13/47/400	SURGICAL PLANNING SYSTEM AND	5/22/2012
H-EB-00363	13/477417	NAVIGATION SYSTEM	5/22/2012
		REINFORCED HIGH STRENGTH	
H-US-00500 CON 3	13/479588	MICROWAVE ANTENNA	5/24/2012
		LEAKY-WAVE ANTENNAS FOR	
H-US-01285 CON	13/483858	MEDICAL APPLICATIONS	5/30/2012
		COMBINED FREQUENCY MICROWAVE	
		ABLATION SYSTEM, DEVICES AND	
H-US-01037 DIV	13/525853	METHODS OF USE	6/18/2012
	40/500070	LEAKY-WAVE ANTENNAS FOR	
H-US-01687 CON	13/526676	MEDICAL APPLICATIONS	6/19/2012
		MICROWAVE ANTENNA ASSEMBLY	
		HAVING A DIELECTRIC BODY PORTION	
		WITH RADIAL PARTITIONS OF	
H-US-01239 CON	13/539650	DIELECTRIC MATERIAL	7/2/2012
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		ELECTROSURGICAL DEVICES WITH	
H-US-01735 CON	13/567624	DIRECTIONAL RADIATION PATTERN	8/6/2012
		TISSUE IMPEDANCE MEASUREMENT	
H-US-01847 DIV	13/568679	USING A SECONDARY FREQUENCY	8/7/2012
H-00-VIO-7 DIV	13/3000/8	TOOING A OLOONDAKT FREQUENCT	0///2012

Covidien Docket No.	Serial number	Title	Filing date
	Ì	MICROWAVE ABLATION GENERATOR	
H-US-01110 CON	13/584192	CONTROL SYSTEM	8/13/2012
H-US-01205 CON	13/596785	MICROWAVE ANTENNA	8/28/2012
H-US-01039 CON 2	13/598141	THERMALLY TUNED COAXIAL CABLE FOR MICROWAVE ANTENNAS	8/29/2012
H-EB-00169	29/369382	MICROWAVE DEVICE SPACER AND POSITIONER WITH ARCUATE SLOT	9/8/2010
H-EB-00106	29/414818	ERGONOMIC HANDLE FOR ABLATION DEVICE	3/5/2012
H-EB-00407	61/664555	METHODS AND SYSTEMS FOR ENHANCING ULTRASONIC VISIBILTY OF ENERGY-DELIVERY DEVICES WITHIN TISSUE	6/26/2012
H-EB-00408	61/664559	METHODS AND SYSTEMS FOR ENHANCING ULTRASONIC VISIBILTY OF ENERY-DELIVERY DEVICES WITHIN TISSUE	6/26/2012
H-EB-00559	61/664577	METHODS AND SYSTEMS FOR ENHANCING ULTRASONIC VISIBILITY OF ENERGY-DELIVERY DEVICES WITHIN TISSUE	6/26/2012
H-EB-00444	61/664586	ABLATION DEVICE HAVING AN EXPANDABLE CHAMBER FOR ANCHORING THE ABLATION DEVICE TO TISSUE	6/26/2012
H-EB-00230	61/666071	SYSTEMS AND METHODS FOR MEASURING THE FREQUENCY OF SIGNALS GENERATED BY HIGH FREQUENCY MEDICAL DEVICES	6/29/2012
H-EB-00233	61/666089	MICROWAVE ANTENNA PROBES AND METHODS OF MANUFACTURING MICROWAVE ANTENNA PROBES	6/29/2012
H-EB-00474	61/666095	MICROWAVE ANTENNA PROBES	6/29/2012
	12/686726	ABLATION DEVICE WITH USER INTERFACE AT DEVICE HANDLE, SYSTEM INCLUDING SAME	1/13/2010
(abandoned)	12/244850	COMBINED FREQUENCY MICROWAVE ABLATION SYSTEM, DEVICES AND METHODS OF USE	10/3/2008

Covidien Docket No.	Serial number	Title	Filing date
	Р	ENDING PCT APPLICATIONS	
H-IL-00075 (B)	PCTUS12/032820	FLEXIBLE MICROWAVE CATHETERS FOR NATURAL OR ARTIFICIAL LUMENS	4/9/2012
H-IL-00075 (A)	PCTUS12/032818	FLEXIBLE MICROWAVE CATHETERS FOR NATURAL OR ARTIFICIAL LUMENS	4/9/2012
H-IL-00075 (C)	PCTUS12/032821	FLEXIBLE MICROWAVE CATHETERS FOR NATURAL OR ARTIFICIAL LUMENS	4/9/2012
H-IL-00075 (D)	PCTUS12/032815	FLEXIBLE MICROWAVE CATHETERS FOR NATURAL OR ARTIFICIAL LUMENS	4/9/2012
H-US-01924	PCTUS12/050149	MICROWAVE ANTENNA HAVING A COAXIAL CABLE WITH AN ADJUSTABLE OUTER CONDUCTOR CONFIGURATION	8/9/2012

ISSUED/VALIDATED FOREIGN PATENTS	Coyldien Docket No.	Serial number	πitlê *≤ * 4	Filing date	lssue Date	issue number		
DEVICES AND METHODS FOR COOLING MICROWAVE 2004260453 ANTENNAS 7/13/2004 5/27/2010 200426045 REINFORCED HIGH STRENGTH MICROWAVE ANTENNA ASSEMBLY AND METHOD OF H-US-00546 2007219344 USING THE SAME 9/27/2007 5/17/2012 200721934 COOLED HELICAL ANTENNA FOR MICROWAVE H-US-00757 2008201784 ABLATION 4/23/2008 5/3/2012 200820178 CONNECTOR FOR MICROWAVE H-US-01081 2008249213 SURGICAL DEVICE 11/26/2008 2/16/2012 200824921 EPO MICROWAVE DEVICE SPACER AND POSITIONER WITH H-EB-00169 1263735 ARCUATE SLOT 3/7/2011 3/7/2011 001263735-001 MICROWAVE H-US-00849 DIV 10161722.3 ABLATION 11/14/2008 9/12/2012 2008247 FLOATING CONNECTOR FOR MICROWAVE ANTENNA FOR TISSUE H-US-00849 DIV 10161722.3 ABLATION 11/14/2008 9/12/2012 2008247 FLOATING CONNECTOR FOR MICROWAVE ANTENNA FOR TISSUE H-US-01081 8170073.4 SURGICAL DEVICE 11/27/2008 5/23/2012 206598 H-US-01081 8170073.4 SURGICAL DEVICE 11/27/2008 5/23/2012 206598 H-US-01081 8170073.4 SURGICAL DEVICE 11/27/2008 5/23/2012 206598 H-US-01181 9012391 ABLATION 9/30/2009 8/8/2012 216852		Extraction Toler for the Constitution of the C		CHARLES CONTRACTOR CONTRACTOR	(magazia atau atia) mari			
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AND METHOD OF 2007219344 USING THE SAME 9/27/2007 5/17/2012 200721934 COOLED HELICAL ANTENNA FOR MICROWAVE H-US-00757 2008201784 ABLATION 4/23/2008 5/3/2012 200820178 FLOATING CONNECTOR FOR MICROWAVE H-US-01081 2008249213 SURGICAL DEVICE 11/26/2008 2/16/2012 200824921 EPO								
H-US-00546 2007219344 USING THE SAME 9/27/2007 5/17/2012 200721934 COOLED HELICAL ANTENNA FOR MICROWAVE H-US-00757 2008201784 ABLATION 4/23/2008 5/3/2012 200820178 FLOATING CONNECTOR FOR MICROWAVE H-US-01081 2008249213 SURGICAL DEVICE 11/26/2008 2/16/2012 200824921 EPO MICROWAVE DEVICE SPACER AND POSITIONER WITH H-EB-00169 1263735 ARCUATE SLOT 3/7/2011 3/7/2011 001263735-001 DYNAMICALLY MATCHED MICROWAVE ANTENNA FOR TISSUE H-US-00849 DIV 10161722.3 ABLATION 11/14/2008 9/12/2012 220847 FLOATING CONNECTOR FOR MICROWAVE H-US-01081 8170073.4 SURGICAL DEVICE 11/27/2008 5/23/2012 206598 H-US-01081 8170073.4 SURGICAL DEVICE 11/27/2008 5/23/2012 206598 H-US-01181 9012391 ABLATION 9/30/2009 8/8/2012 216852 MICROWAVE SYSTEM CALIBRATION APPARATUS AND								
COOLED HELICAL	H_119_00546	2007210344		0/27/2007	5/17/2012	2007240244		
ANTENNA FOR MICROWAVE H-US-00757 2008201784 ABLATION 4/23/2008 5/3/2012 200820178 FLOATING CONNECTOR FOR MICROWAVE 11/26/2008 2/16/2012 200824921 EPO MICROWAVE DEVICE 11/26/2008 2/16/2012 200824921 EPO MICROWAVE DEVICE 11/26/2008 2/16/2012 200824921 EPO MICROWAVE DEVICE 11/26/2008 3/7/2011 3/7/2011 001263735-001 DYNAMICALLY MATCHED MICROWAVE ANTENNA FOR TISSUE ANTENNA FOR TISSUE H-US-00849 DIV 10161722.3 ABLATION 11/14/2008 9/12/2012 220847 FLOATING CONNECTOR FOR MICROWAVE H-US-01081 8170073.4 SURGICAL DEVICE 11/27/2008 5/23/2012 206598 DELIVERED ENERGY GENERATOR FOR MICROWAVE H-US-01181 9012391 ABLATION 9/30/2009 8/8/2012 216852 MICROWAVE SYSTEM CALIBRATION APPARATUS AND	H-03-00340	2007219344		9/2//2007	3/1//2012	2007219344		
H-US-00757 2008201784 ABLATION 4/23/2008 5/3/2012 200820178								
FLOATING CONNECTOR FOR MICROWAVE H-US-01081 2008249213 SURGICAL DEVICE 11/26/2008 2/16/2012 2008249213 EPO						:		
CONNECTOR FOR MICROWAVE SURGICAL DEVICE 11/26/2008 2/16/2012 2008249213 EPO	H-US-00757	2008201784	ABLATION	4/23/2008	5/3/2012	2008201784		
H-US-01081 2008249213 SURGICAL DEVICE 11/26/2008 2/16/2012 2008249213 EPO								
## H-US-01081 2008249213 SURGICAL DEVICE 11/26/2008 2/16/2012 2008249213 EPO			· ·					
## PO MICROWAVE DEVICE SPACER AND POSITIONER WITH ARCUATE SLOT 3/7/2011 3/7/2011 001263735-001	H 118 01081			11/26/2000	2/46/2042	2000240242		
MICROWAVE DEVICE SPACER AND POSITIONER WITH H-EB-00169 1263735 ARCUATE SLOT 3/7/2011 3/7/2011 001263735-001 DYNAMICALLY MATCHED MICROWAVE ANTENNA FOR TISSUE H-US-00849 DIV 10161722.3 ABLATION 11/14/2008 9/12/2012 220847 FLOATING CONNECTOR FOR MICROWAVE H-US-01081 8170073.4 SURGICAL DEVICE 11/27/2008 5/23/2012 206598 DÉLIVERED ENERGY GENERATOR FOR MICROWAVE H-US-01181 9012391 ABLATION 9/30/2009 8/8/2012 216852 MICROWAVE SYSTEM CALIBRATION APPARATUS AND	11-03-01001	2000249213		11/20/2000	2/ 10/2012	2000249213		
SPACER AND POSITIONER WITH					····	<u> </u>		
H-EB-00169 1263735 ARCUATE SLOT 3/7/2011 3/7/2011 001263735-001 DYNAMICALLY MATCHED MICROWAVE ANTENNA FOR TISSUE H-US-00849 DIV 10161722.3 ABLATION 11/14/2008 9/12/2012 220847 FLOATING CONNECTOR FOR MICROWAVE H-US-01081 8170073.4 SURGICAL DEVICE 11/27/2008 5/23/2012 206598 DELIVERED ENERGY GENERATOR FOR MICROWAVE H-US-01181 9012391 ABLATION 9/30/2009 8/8/2012 216852 MICROWAVE SYSTEM CALIBRATION APPARATUS AND								
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MATCHED MICROWAVE ANTENNA FOR TISSUE H-US-00849 DIV 10161722.3 ABLATION 11/14/2008 9/12/2012 220847 FLOATING CONNECTOR FOR MICROWAVE H-US-01081 8170073.4 SURGICAL DEVICE 11/27/2008 5/23/2012 206598 DÉLIVERED ENERGY GENERATOR FOR MICROWAVE H-US-01181 9012391 ABLATION 9/30/2009 8/8/2012 216852 MICROWAVE SYSTEM CALIBRATION APPARATUS AND	H-EB-00169	1263735		3/7/2011	3/7/2011	001263735-001		
MICROWAVE ANTENNA FOR TISSUE H-US-00849 DIV 10161722.3 ABLATION 11/14/2008 9/12/2012 220847 FLOATING CONNECTOR FOR MICROWAVE H-US-01081 8170073.4 SURGICAL DEVICE 11/27/2008 5/23/2012 206598 DELIVERED ENERGY GENERATOR FOR MICROWAVE H-US-01181 9012391 ABLATION 9/30/2009 8/8/2012 216852 MICROWAVE SYSTEM CALIBRATION APPARATUS AND		2						
ANTENNA FOR TISSUE H-US-00849 DIV 10161722.3 ABLATION 11/14/2008 9/12/2012 220847 FLOATING CONNECTOR FOR MICROWAVE H-US-01081 8170073.4 SURGICAL DEVICE 11/27/2008 5/23/2012 206598 DÉLIVERED ENERGY GENERATOR FOR MICROWAVE H-US-01181 9012391 ABLATION 9/30/2009 8/8/2012 216852 MICROWAVE SYSTEM CALIBRATION APPARATUS AND								
H-US-00849 DIV 10161722.3 ABLATION 11/14/2008 9/12/2012 220847 FLOATING CONNECTOR FOR MICROWAVE H-US-01081 8170073.4 SURGICAL DEVICE 11/27/2008 5/23/2012 206598 DÉLIVERED ENERGY GENERATOR FOR MICROWAVE H-US-01181 9012391 ABLATION 9/30/2009 8/8/2012 216852 MICROWAVE SYSTEM CALIBRATION APPARATUS AND								
H-US-01081 8170073.4 SURGICAL DEVICE 11/27/2008 5/23/2012 206598 DELIVERED ENERGY GENERATOR FOR MICROWAVE H-US-01181 9012391 ABLATION 9/30/2009 8/8/2012 216852 MICROWAVE SYSTEM CALIBRATION APPARATUS AND	H-US-00849 DIV		-	11/14/2008	9/12/2012	2208477		
H-US-01081 8170073.4 SURGICAL DEVICE 11/27/2008 5/23/2012 206598 DELIVERED ENERGY GENERATOR FOR MICROWAVE H-US-01181 9012391 ABLATION 9/30/2009 8/8/2012 216852 MICROWAVE SYSTEM CALIBRATION APPARATUS AND	.,,					2200117		
H-US-01081 8170073.4 SURGICAL DEVICE 11/27/2008 5/23/2012 206598 DÉLIVERED ENERGY GENERATOR FOR MICROWAVE H-US-01181 9012391 ABLATION 9/30/2009 8/8/2012 216852 MICROWAVE SYSTEM CALIBRATION APPARATUS AND			CONNECTOR FOR			}		
DÉLIVERED ENERGY GENERATOR FOR MICROWAVE H-US-01181 9012391 ABLATION 9/30/2009 8/8/2012 216852 MICROWAVE SYSTEM CALIBRATION APPARATUS AND								
GENERATOR FOR MICROWAVE H-US-01181 9012391 ABLATION 9/30/2009 8/8/2012 216852 MICROWAVE SYSTEM CALIBRATION APPARATUS AND	H-US-01081	8170073.4		11/27/2008	5/23/2012	2065985		
H-US-01181 9012391 ABLATION 9/30/2009 8/8/2012 216852 MICROWAVE SYSTEM CALIBRATION APPARATUS AND			· · · · · · · · · · · · · · · · · · ·			ł		
H-US-01181 9012391 ABLATION 9/30/2009 8/8/2012 216852 MICROWAVE SYSTEM CALIBRATION APPARATUS AND								
MICROWAVE SYSTEM CALIBRATION APPARATUS AND	H-US-01181			9/30/2009	8/8/2012	2168521		
CALIBRATION APPARATUS AND								
APPARATUS AND]							
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FRANCE	H-US-016/8	9012389.4		9/30/2009	8/29/2012	2168520		

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524 W. S. 22 122 122 122 122 123 123 123 123 123		Usan a same a	Lorentzia di Solutioni	Nach 5 6 11, 7 20 U 072 U 2 10 3 10	N jago imilian vide instaline it is for itself
		DEVICES AND			
		METHODS FOR			
11110 00407	4770400 7	COOLING MICROWAVE		40/04/0040	4050000
H-US-00497	4//8192./	ANTENNAS	7/13/2004	10/31/2012	1659969
		MICROWAVE ANTENNA ASSEMBLY			
		AND METHOD OF			
H-US-00546	7018821.4	USING THE SAME	9/25/2007	7/21/2010	1905375
		INTRACOOLED			100000
:		PERCUTANEOUS			
		MICROWAVE			
H-US-00819	9003029.7	ABLATION PROBE	3/3/2009	7/13/2011	2098184
		DYNAMICALLY			
ļ		MATCHED		<u> </u>	
		MICROWAVE			
11 110 00040	9040000 4	ANTENNA FOR TISSUE	11/14/2008	12/9/2010	2060220
H-US-00849	60 19920. 1	ABLATION DYNAMICALLY	11/14/2006	12/9/2010	2060239
		MATCHED			
		MICROWAVE			
		ANTENNA FOR TISSUE			
H-US-00849 DIV	10161722.3		11/14/2008	9/12/2012	2208477
		SHIELDING FOR AN			
		ISOLATION			
		APPARATUS USED IN			
		A MICROWAVE			
H-US-01043	9169377		9/3/2009	11/2/2011	2161055
		FLOATING			
		CONNECTOR FOR			
H-US-01081	0170072 4	MICROWAVE SURGICAL DEVICE	11/27/2008	5/23/2012	2065985
n-03-01061	6170073.4	DELIVERED ENERGY	11/2//2006	3/23/2012	2005965
		GENERATOR FOR			
i		MICROWAVE			
H-US-01181	9012391	ABLATION	9/30/2009	8/8/2012	2168521
		MICROWAVE			
		ANTENNA ASSEMBLY			
		HAVING A DIELECTRIC			
		BODY PORTION WITH			
		RADIAL PARTITIONS OF DIELECTRIC			
H-US-01239	9010877	MATERIAL	8/25/2009	5/2/2012	2158869
11200-01209	3010377	DUAL-BAND DIPOLE	0/20/2003	5/2/2012	210000
		MICROWAVE			
H-US-01630	9010873.9	ABLATION ANTENNA	8/25/2009	10/24/2012	2158868
		MICROWAVE SYSTEM			
H-US-01677	9012392.8	TUNER	9/30/2009	2/22/2012	2168522

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Docket No.	Serial number	Title	Filing date	Issue Date	lssue number
H-US-01678	9012389.4	MICROWAVE SYSTEM CALIBRATION APPARATUS AND METHOD OF USE	9/30/2009	8/29/2012	2168520
		SYSTEM, APPARATUS AND METHOD FOR DISSIPATING STANDING WAVE IN A MICROWAVE			
H-US-01679	9012400.9	DELIVERY SYSTEM SENSORS ON PATIENT	9/30/2009	3/28/2012	2168524
H-US-01999	11001690 6	SIDE FOR A MICROWAVE GENERATOR	2/1/2011	0/40/2042	2262000
H-03-01999	11001009.0	GERMANY	3/1/2011	9/19/2012	2363088
		OP. MINIA (
H-US-00497	4779402 7	DEVICES AND METHODS FOR COOLING MICROWAVE		10/24/2042	4050000
n-US-UU497	4//0192./	ANTENNAS MICROWAVE	7/13/2004	10/31/2012	1659969
H-US-00546	7018821.4	ANTENNA ASSEMBLY AND METHOD OF USING THE SAME	9/25/2007	7/21/2010	1905375
H-US-00819	9003029.7	INTRACOOLED PERCUTANEOUS MICROWAVE ABLATION PROBE	3/3/2009	7/13/2011	2098184
H-US-00849		DYNAMICALLY MATCHED MICROWAVE ANTENNA FOR TISSUE ABLATION	11/14/2008	12/9/2010	
H-03-00049	00 19920.1	DYNAMICALLY	11/14/2006	12/9/2010	2060239
		MATCHED MICROWAVE ANTENNA FOR TISSUE			
H-US-00849 DIV	10161722.3		11/14/2008	9/12/2012	2208477
H-US-01043		SHIELDING FOR AN ISOLATION APPARATUS USED IN A MICROWAVE GENERATOR	9/3/2009	11/2/2011	2161055
		FLOATING CONNECTOR FOR	0/0/2000	11/2/2011	2101000
H-US-01081		MICROWAVE SURGICAL DEVICE	11/27/2008	5/23/2012	2065985

Govidien Dockét No.	Serial number		em		
Pocket No.	Senal number	Title	Filing date	Issue Date	lssue number
		DELIVERED ENERGY GENERATOR FOR			
		MICROWAVE			
H-US-01181	9012391	ABLATION	9/30/2009	8/8/2012	2168521
:	,	MICROWAVE			
		ANTENNA ASSEMBLY HAVING A DIELECTRIC			
		BODY PORTION WITH			
		RADIAL PARTITIONS			
		OF DIELECTRIC			
H-US-01239	9010877	MATERIAL	8/25/2009	5/2/2012	2158869
		DUAL-BAND DIPOLE			
11.110.04000	0040070.0	MICROWAVE	0.05.0000	4010410040	
H-US-01630		ABLATION ANTENNA MICROWAVE SYSTEM	8/25/2009	10/24/2012	2158868
H-US-01677	9012392.8		9/30/2009	2/22/2012	2168522
	00.2002.0	1011211	0,00,2000	2/22/2012	2100022
;		MICROWAVE SYSTEM			
:		CALIBRATION			
11 110 04070		APPARATUS AND	0.000.000		
H-US-01678	9012389.4	METHOD OF USE	9/30/2009	8/29/2012	2168520
		SYSTEM, APPARATUS	:		
		AND METHOD FOR			
		DISSIPATING			
		STANDING WAVE IN A			
		MICROWAVE			
H-US-01679	9012400.9	DELIVERY SYSTEM SENSORS ON PATIENT	9/30/2009	3/28/2012	2168524
		SIDE FOR A			
		MICROWAVE			
H-US-01999	11001689.6	GENERATOR	3/1/2011	9/19/2012	2363088
		GREAT BRITAIN			
		DEVICES AND			
		DEVICES AND METHODS FOR			
		COOLING MICROWAVE			
H-US-00497	4778192.7	ANTENNAS	7/13/2004	10/31/2012	1659969
		MICROWAVE			
		ANTENNA ASSEMBLY			
H 110 00546	7049994.4	AND METHOD OF	0/05/0007	7/04/0040	4005075
H-US-00546		USING THE SAME INTRACOOLED	9/25/2007	7/21/2010	1905375
		PERCUTANEOUS			
		MICROWAVE			
H-US-00819	9003029.7	ABLATION PROBE	3/3/2009	7/13/2011	2098184

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Docket No.	Serial number	Title	Filing date	Issue Date	lssue number
		DYNAMICALLY			The same same
		MATCHED			
		MICROWAVE			
H 110 00040	0040000 4	ANTENNA FOR TISSUE	44/44/0000	40,000,40	
H-US-00849	60 19920.1	ABLATION DYNAMICALLY	11/14/2008	12/9/2010	2060239
		MATCHED			
		MICROWAVE			
		ANTENNA FOR TISSUE			
H-US-00849 DIV	10161722.3		11/14/2008	9/12/2012	2208477
		SHIELDING FOR AN			
		ISOLATION			
		APPARATUS USED IN			
	0.1000==	A MICROWAVE			
H-US-01043	9169377	GENERATOR	9/3/2009	11/2/2011	2161055
		FLOATING CONNECTOR FOR			
		MICROWAVE			
H-US-01081	8170073.4	SURGICAL DEVICE	11/27/2008	5/23/2012	2065985
		DELIVERED ENERGY			
		GENERATOR FOR			
		MICROWAVE			
H-US-01181	9012391	ABLATION	9/30/2009	8/8/2012	2168521
		MODOWALE			
		MICROWAVE ANTENNA ASSEMBLY			
		HAVING A DIELECTRIC			
		BODY PORTION WITH			
		RADIAL PARTITIONS			
İ		OF DIELECTRIC			
H-US-01239	9010877	MATERIAL	8/25/2009	5/2/2012	2158869
		DUAL-BAND DIPOLE			
11.110.04000	0040070.0	MICROWAVE	0/05/0000	40/04/0040	0450000
H-US-01630	9010873.9	ABLATION ANTENNA MICROWAVE SYSTEM	8/25/2009	10/24/2012	2158868
H-US-01677	9012392.8	-	9/30/2009	2/22/2012	2168522
			0.00.200		2.00022
		MICROWAVE SYSTEM			
		CALIBRATION			
		APPARATUS AND			
H-US-01678	9012389.4	METHOD OF USE	9/30/2009	8/29/2012	2168520
		CVCTEM ADDADATUS			
		SYSTEM, APPARATUS AND METHOD FOR			
		DISSIPATING			
		STANDING WAVE IN A			
		MICROWAVE			
H-US-01679	9012400.9	DELIVERY SYSTEM	9/30/2009	3/28/2012	2168524

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Dockerno.	Serial number	Title	Filing date	Issue Date	issue number
		SENSORS ON PATIENT SIDE FOR A			
		MICROWAVE			
H-US-01999	11001689.6	GENERATOR	3/1/2011	9/19/2012	2363088
		IRELAND			
		DEVICES AND			
		METHODS FOR			
H-US-00497	4779102.7	COOLING MICROWAVE ANTENNAS	7/13/2004	10/24/2042	U 110 00407
H-03-00497	4770192.7	MICROWAVE	7713/2004	10/3 1/2012	H-US-00497
		ANTENNA ASSEMBLY			
	7040004 4	AND METHOD OF	010510007	7/04/0040	
H-US-00546	7018821.4	USING THE SAME INTRACOOLED	9/25/2007	//21/2010	H-US-00546
		PERCUTANEOUS			
		MICROWAVE			
H-US-00819	9003029.7	ABLATION PROBE DYNAMICALLY	3/3/2009	7/13/2011	H-US-00819
		MATCHED			
		MICROWAVE			
H-US-00849	8019920 1	ANTENNA FOR TISSUE ABLATION	11/14/2008	12/9/2010	H-US-00849
11-00-00043	0010020.1	DYNAMICALLY	11/14/2000	12/3/2010	11-00-00049
		MATCHED			
		MICROWAVE ANTENNA FOR TISSUE			
H-US-00849 DIV	10161722.3		11/14/2008	9/12/2012	H-US-00849 DIV
		SHIELDING FOR AN			
		ISOLATION APPARATUS USED IN			
į		A MICROWAVE			
H-US-01043		GENERATOR	9/3/2009	11/2/2011	H-US-01043
		FLOATING CONNECTOR FOR			
		MICROWAVE		•	
H-US-01081	8170073.4	SURGICAL DEVICE	11/27/2008	5/23/2012	H-US-01081
]		DELIVERED ENERGY GENERATOR FOR			
{		MICROWAVE			
H-US-01181	9012391	ABLATION	9/30/2009	8/8/2012	H-US-01181
		MICROWAVE			
		ANTENNA ASSEMBLY			
		HAVING A DIELECTRIC			
		BODY PORTION WITH RADIAL PARTITIONS	:		
		OF DIELECTRIC			
H-US-01239	9010877	MATERIAL	8/25/2009	5/2/2012	H-US-01239

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Docket No.	Serial number	Title	Filing date	Issue Date	Issue number
		DUAL-BAND DIPOLE			
H-US-01630	0040072.0	MICROWAVE	0,05,0000	40/04/0040	
H-U3-0 1030	9010873.9	ABLATION ANTENNA SENSORS ON PATIENT	8/25/2009	10/24/2012	H-US-01630
		SIDE FOR A			
		MICROWAVE			
H-US-01999	11001689 6	GENERATOR	3/1/2011	9/19/2012	H-US-01999
		ITALY	0/ 1/2011	0/10/2012	11-00-01000
		MICROWAVE			
		ANTENNA ASSEMBLY			
		AND METHOD OF			
H-US-00546	7018821.4	USING THE SAME	9/25/2007	7/21/2010	1905375
-		INTRACOOLED			
i		PERCUTANEOUS			
 		MICROWAVE			
H-US-00819	9003029.7	ABLATION PROBE	3/3/2009	7/13/2011	2098184
		DYNAMICALLY			
		MATCHED			
		MICROWAVE			
H HC 00040	9040000 4	ANTENNA FOR TISSUE	4414410000	40/0/0045	22222
H-US-00849	80 19920.1	ABLATION	11/14/2008	12/9/2010	2060239
		DYNAMICALLY MATCHED			
1		MICROWAVE			
		ANTENNA FOR TISSUE			
H-US-00849 DIV	10161722.3		11/14/2008	9/12/2012	2208477
11 00 00040 BIV	10101722.5	SHIELDING FOR AN	11/14/2008	9/ 12/2012	2200477
		ISOLATION			
		APPARATUS USED IN			
		A MICROWAVE			
H-US-01043	9169377	GENERATOR	9/3/2009	11/2/2011	2161055
		FLOATING			
		CONNECTOR FOR			
		MICROWAVE			
H-US-01081		SURGICAL DEVICE	11/27/2008	5/23/2012	2065985
		DELIVERED ENERGY			
		GENERATOR FOR			
11110 04404		MICROWAVE	0/00/2005	0101001	
H-US-01181	9012391	ABLATION	9/30/2009	8/8/2012	2168521
		MICROWAVE			
		ANTENNA ASSEMBLY			
		HAVING A DIELECTRIC			
		BODY PORTION WITH			
		RADIAL PARTITIONS			
		OF DIELECTRIC			
H-US-01239	9010877	MATERIAL	8/25/2009	5/2/2012	2158869
		JAPAN			

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Docket No.	Serial number	CONTRACTOR	Filing date	Issue Date	issue number
		HIGH STRENGTH			
		MICROWAVE			
		ANTENNA	:		
H HC 00406	2002 544494	ASSEMBLIES AND	40/20/2002	4/0/0040	4.407000
H-US-00496	2003-541481	METHODS OF USE	10/29/2002	1/8/2010	4437039
	J	MICROWAVE ANTENNA HAVING A			
		CURVED			
H-US-00498 (2)	2003-585613	CONFIGURATION	3/27/2003	11/20/2009	4409960
11 00 00 400 (2)	2000 000010	LOCALIZATION	0/2//2000	1112012000	4403300
		ELEMENT WITH			
H-US-00498 (1)	2003-585561	ENERGIZED TIP	4/11/2003	11/27/2009	4414238
				1 11/2000	1111200
		DEVICES AND			
		METHODS FOR			
		COOLING MICROWAVE			
H-US-00497	2006-520296	ANTENNAS	7/13/2004	11/19/2010	4630278
		REINFORCED HIGH			
		STRENGTH			
		MICROWAVE			
H-US-00500	2006-128689	ANTENNA	5/2/2006	6/29/2012	5027439
		MICROWAVE DEVICE	_		
:		SPACER AND			
		POSITIONER WITH			
H-EB-00169	2011-5247	ARCUATE SLOT	3/8/2011	12/2/2011	1430888
		SPAIN			
		MICROWAVE			
		ANTENNA ASSEMBLY			
11.110.00540	7040004 4	AND METHOD OF	0/05/0007	7/04/0040	4005075
H-US-00546	7018821.4	USING THE SAME	9/25/2007	7/21/2010	1905375
		INTRACOOLED			
		PERCUTANEOUS			
LI 116 00010	0002020 7	MICROWAVE ABLATION PROBE	3/3/2009	7/12/2011	2000404
H-US-00819	9003029.7	DYNAMICALLY	3/3/2009	7/13/2011	2098184
		MATCHED			
		MICROWAVE			
		ANTENNA FOR TISSUE			
H-US-00849	8019920.1	ABLATION	11/14/2008	12/9/2010	2060239
	20.0000.1	DYNAMICALLY			_300200
		MATCHED			
		MICROWAVE			
		ANTENNA FOR TISSUE			
H-US-00849 DIV	10161722.3	ABLATION	11/14/2008	9/12/2012	2208477
		SHIELDING FOR AN			
		ISOLATION			
ŀ		APPARATUS USED IN			
	<u>.</u>	A MICROWAVE			
H-US-01043	9169377	GENERATOR	9/3/2009	11/2/2011	2161055

Coyldien Docket No.	Serial number	Title	Filing date	Issue Date	lssue number
H-US-01081	9170073 4	FLOATING CONNECTOR FOR MICROWAVE SURGICAL DEVICE	11/27/2008	5/23/2012	2065085
11-00-01001	0170073.4	DELIVERED ENERGY	11/2/12000	312312012	2065985
H-US-01181	9012391	GENERATOR FOR	9/30/2009	8/8/2012	2168521
		MICROWAVE ANTENNA ASSEMBLY HAVING A DIELECTRIC BODY PORTION WITH RADIAL PARTITIONS OF DIELECTRIC			
H-US-01239	9010877	MATERIAL	8/25/2009	5/2/2012	2158869

SCHEDULE A

Coyldien Docket No.	Serial number	Title	Filing date				
PENDING FOREIGN PATENT APPLICATIONS							
		AUSTRALIA					
		SYSTEMS FOR THERMAL-FEEDBACK- CONTROLLED RATE OF FLUID FLOW TO FLUID-COOLED ANTENNA ASSEMBLY AND METHODS OF DIRECTING ENERGY TO					
H-EB-00038	2012201440	TISSUE USING SAME	3/9/2012				
H-EB-00085	2012200877	ENERY-DELIVERY DEVICE INCLUDING ULTRASOUND TRANSDUCER ARRAY AND PHASED ANTENNA ARRAY	2/15/2012				
H-EB-00121	2012201624	ENERGY-BASED ABLATION COMPLETION ALGORITHM	3/19/2012				
H-EB-00129	2012202043	MICROWAVE TISSUE DISSECTION AND COAGULATION MICROWAVE ABLATION INSTRUMENT	4/10/2012				
H-EB-00134	2012202042	WITH INTERCHANGEABLE ANTENNA	4/10/2012				
H-EB-00248	2012200878	ENERGY-DELIVERY DEVICE INCLUDING ULTRASOUND TRANSDUCER ARRAY AND PHASED ANTENNA ARRAY, AND METHODS OF ADJUSTING AN ABLATION FIELD RADIATING INTO TISSUE USING SAME	2/15/2012				
H-US-00497 DIV		DEVICES AND METHODS FOR COOLING MICROWAVE ANTENNAS	5/11/2010				
H-US-00546 DIV	2012200224	MICROWAVE ANTENNA ASSEMBLY AND METHOD OF USING THE SAME	9/27/2007				
H-US-00731	2008202726	REFLECTIVE POWER MONITORING FOR MICROWAVE APPLICATIONS	6/20/2008				
H-US-00849	2008245612	DYNAMICALLY MATCHED MICROWAVE ANTENNA FOR TISSUE ABLATION	11/10/2008				
H-US-00896	2008202845	BROADBAND MICROWAVE APPLICATOR	6/27/2008				
H-US-00932		FREQUENCY TUNING IN A MICROWAVE ELECTROSURGICAL SYSTEM	9/8/2008				
H-US-00942	2008207597	ELECTRICAL RECEPTACLE ASSEMBLY	8/28/2008				
H-US-00943	2008203358	ELECTROSURGICAL SYSTEMS AND PRINTED CIRCUIT BOARDS FOR USE THEREWITH	7/28/2008				
H-US-01038	2009201253	RE-HYDRATION ANTENNA FOR MICROWAVE ABLATION	3/31/2009				

Covidien Docket No.	Serial number	Title	Filing date
		SHIELDING FOR AN ISOLATION	
11110 04040	0000040004	APPARATUS USED IN A MICROWAVE	
H-US-01043	2009212961	GENERATOR	9/3/2009
	0000000540	MICROWAVE ABLATION GENERATOR	
H-US-01110	2009222512	CONTROL SYSTEM	9/30/2009
11.110.04470	0000000445	CHOKED DIELECTRIC LOADED TIP DIPOLE	4/00/000
H-US-01179	2009206445	MICROWAVE ANTENNA	1/22/2009
11 110 04404	2000000500	DELIVERED ENERGY GENERATOR FOR	0/00/0000
H-US-01181	2009222509	MICROWAVE ABLATION	9/30/2009
H-US-01189	2009202106	SLIDABLE CHOKE MICROWAVE ANTENNA	5/28/2009
		MICROWAVE ANTENNA ASSEMBLY	
		HAVING A DIELECTRIC BODY PORTION	
		WITH RADIAL PARTITIONS OF DIELECTRIC	
H-US-01239	2009212796	MATERIAL	8/25/2009
		POWER-STAGE ANTENNA INTEGRATED	
H-US-01252	2010246238		4/28/2010
		LEAKY-WAVE ANTENNAS FOR MEDICAL	
H-US-01285	2010200640	APPLICATIONS	2/19/2010
		TISSUE ABLATION SYSTEM WITH PHASE-	
H-US-01326	2009203065	CONTROLLED CHANNELS	7/29/2009
	•	MICROWAVE ABLATION SYSTEM WITH	
	201222121	USER-CONTROLLED ABLATION SIZE AND	
H-US-01543	2010201318	METHOD OF USE	4/1/2010
H-US-01593	004000750	LAPAROSCOPIC PORT WITH MICROWAVE	
CIP 2	2012202758		5/10/2012
11110 04000	0000040700	DUAL-BAND DIPOLE MICROWAVE	21211222
H-US-01630		ABLATION ANTENNA	8/24/2009
H-US-01631	2009212962	MICROWAVE SHIELDING APPARATUS	9/3/2009
		MICROWAVE SYSTEM CALIBRATION	
H-US-01676	2000222540	APPARATUS, SYSTEM AND METHOD OF	0/00/0000
H-US-01677	2009222518	MICROWAVE SYSTEM TUNER	9/30/2009
H-03-010//	2009222497	1.000	9/30/2009
H-US-01678	2000222546	MICROWAVE SYSTEM CALIBRATION	0/20/2000
H-US-U1076	2009222516	APPARATUS AND METHOD OF USE	9/30/2009
		SYSTEM, APPARATUS AND METHOD FOR DISSIPATING STANDING WAVE IN A	
H-US-01679	2000222511	MICROWAVE DELIVERY SYSTEM	9/30/2009
11-00-010/9		INTERMITTENT MICROWAVE ENERGY	9/30/2009
H-US-01680		DELIVERY SYSTEM	9/30/2009
00 0 1000		ANTENNA ASSEMBLIES FOR MEDICAL	5,55,255
H-US-01714		APPLICATIONS	10/13/2009

Covidien Docket No.	Serial number	Title	Filling date	
H-US-01722	2010203036	HIGH EFFICIENCY MICROWAVE AMPLIFIER	7/16/2010	
H-US-01735	2010202190	ELECTROSURGICAL DEVICES WITH DIRECTIONAL RADIATION PATTERN	5/28/2010	
H-US-01736	2010206116	ELECTROSURGICAL DEVICES HAVING DIELECTRIC LOADED COAXIAL APERTURE WITH DISTALLY POSITIONED RESONANT STRUCTURE AND METHOD OF MANUFACTURING SAME	8/4/2010	
	2010200110	DIRECTIVE WINDOW ABLATION ANTENNA		
H-US-01737 H-US-01791	2012202169	WITH DIELECTRIC LOADING MODIFIED WET TIP ANTENNA DESIGN	8/4/2010	
H-US-01851	2012203166	NARROW GAUGE HIGH STRENGTH CHOKED WET-TIP MICROWAVE ABLATION	5/29/2012 5/26/2010	
H-US-01919	2011200329	SYSTEM AND METHOD FOR PERFORMING AN ELECTROSURGICAL PROCEDURE USING AN ABLATION DEVICE WITH AN INTEGRATED IMAGING DEVICE	1/27/2011	
H-US-01923	2011200698	SELF-TUNING MICROWAVE ABLATION PROBE	2/17/2011	
H-US-02418		MICROWAVE SURFACE COAGULATOR WITH RETRACTABLE BLADE	3/25/2011	
CANADA				
H-EB-00129	2773417	MICROWAVE TISSUE DISSECTION AND COAGULATION	4/10/2012	
H-EB-00134	2773415	MICROWAVE ABLATION INSTRUMENT WITH INTERCHANGEABLE ANTENNA PROBE HANDHELD MEDICAL DEVICES INCLUDING	4/10/2012	
H-EB-00410		MICROWAVE AMPLIFIER UNIT AT DEVICE HANDLE	9/17/2012	
H-US-01593 CIP 2	2776603	LAPAROSCOPIC PORT WITH MICROWAVE RECTIFIER	5/9/2012	
H-US-01791	2778457	MODIFIED WET TIP ANTENNA DESIGN	5/29/2012	
H-EB-00038		SYSTEMS FOR THERMAL-FEEDBACK- CONTROLLED RATE OF FLUID FLOW TO FLUID-COOLED ANTENNA ASSEMBLY AND METHODS OF DIRECTING ENERGY TO TISSUE USING SAME	0/0/2043	
1 1-EB-00030	2110010	HOUSE USING SAME	3/9/2012	

Covidien Docket No.	Serial number	Title	Filing date
H-EB-00085	2768158	ENERY-DELIVERY DEVICE INCLUDING ULTRASOUND TRANSDUCER ARRAY AND PHASED ANTENNA ARRAY	2/15/2012
H-EB-00121		ENERGY-BASED ABLATION COMPLETION ALGORITHM	3/19/2012
H-EB-00248	2768156	ENERGY-DELIVERY DEVICE INCLUDING ULTRASOUND TRANSDUCER ARRAY AND PHASED ANTENNA ARRAY, AND METHODS OF ADJUSTING AN ABLATION FIELD RADIATING INTO TISSUE USING SAME	2/15/2012
H-US-00497	2532979	DEVICES AND METHODS FOR COOLING MICROWAVE ANTENNAS	7/13/2004
H-US-00500		REINFORCED HIGH STRENGTH MICROWAVE ANTENNA	4/20/2006
H-US-00546		MICROWAVE ANTENNA ASSEMBLY AND METHOD OF USING THE SAME REFLECTIVE POWER MONITORING FOR	9/25/2007
H-US-00731	2635389	MICROWAVE APPLICATIONS COOLED HELICAL ANTENNA FOR	6/19/2008
H-US-00757	2629588	MICROWAVE ABLATION DYNAMICALLY MATCHED MICROWAVE	4/23/2008
H-US-00849	2643958	ANTENNA FOR TISSUE ABLATION	11/13/2008
H-US-00896	2636393	BROADBAND MICROWAVE APPLICATOR FREQUENCY TUNING IN A MICROWAVE	6/26/2008
H-US-00932 H-US-00942		ELECTROSURGICAL SYSTEM ELECTRICAL RECEPTACLE ASSEMBLY	9/5/2008 9/3/2008
H-US-00943		ELECTROSURGICAL SYSTEMS AND PRINTED CIRCUIT BOARDS FOR USE THEREWITH	7/25/2008
H-US-01038	2660930	RE-HYDRATION ANTENNA FOR ABLATION	3/30/2009
H-US-01043	2678297	SHIELDING FOR AN ISOLATION APPARATUS USED IN A MICROWAVE GENERATOR ELOATING CONNECTOR FOR MICROWAVE	9/3/2009
H-US-01081	2644697	FLOATING CONNECTOR FOR MICROWAVE SURGICAL DEVICE MICROWAVE ABLATION GENERATOR	11/25/2008
H-US-01110	2681255	CONTROL SYSTEM CHOKED DIELECTRIC LOADED TIP DIPOLE	9/30/2009
H-US-01179	2712776	MICROWAVE ANTENNA	1/22/2009

Covidlen Docket No.	Serial number	Title	Filing date
		DELIVERED ENERGY GENERATOR FOR	
H-US-01181	2680986	MICROWAVE ABLATION	9/30/2009
H-US-01189	2666899	SLIDABLE CHOKE MICROWAVE ANTENNA	5/27/2009
		MICROWAVE ANTENNA ASSEMBLY	
		HAVING A DIELECTRIC BODY PORTION	'
		WITH RADIAL PARTITIONS OF DIELECTRIC	
H-US-01239	2676520	MATERIAL	8/24/2009
		POWER-STAGE ANTENNA INTEGRATED	
H-US-01252	2761199	SYSTEM	4/28/2010
		LEAKY-WAVE ANTENNAS FOR MEDICAL	
H-US-01285	2693744	APPLICATIONS	2/19/2010
11.110.04000	0074000	TISSUE ABLATION SYSTEM WITH PHASE-	
H-US-01326		CONTROLLED CHANNELS	7/28/2009
		MICROWAVE ABLATION SYSTEM WITH	
H-US-01543	2600062	USER-CONTROLLED ABLATION SIZE AND	414 100 40
п-03-01545	2090002	METHOD OF USE	4/1/2010
H-US-01630	2676622	DUAL-BAND DIPOLE MICROWAVE ABLATION ANTENNA	0/04/0000
H-US-01631		MICROWAVE SHIELDING APPARATUS	8/24/2009
H-US-U1031		MICROWAVE SHIELDING APPARATUS MICROWAVE SYSTEM CALIBRATION	9/3/2009
		APPARATUS, SYSTEM AND METHOD OF	
H-US-01676	2680940	•	0/20/2000
H-US-01677		MICROWAVE SYSTEM TUNER	9/29/2009
11-00-01077		MICROWAVE SYSTEM CALIBRATION	9/29/2009
H-US-01678		APPARATUS AND METHOD OF USE	012012000
11.00-01010		SYSTEM, APPARATUS AND METHOD FOR	9/30/2009
		DISSIPATING STANDING WAVE IN A	
H-US-01679		MICROWAVE DELIVERY SYSTEM	9/29/2009
		INTERMITTENT MICROWAVE ENERGY	3/23/2003
H-US-01680		DELIVERY SYSTEM	9/29/2009
		ANTENNA ASSEMBLIES FOR MEDICAL	0/20/2000
H-US-01714		APPLICATIONS	10/13/2009
		HIGH EFFICIENCY MICROWAVE	
H-US-01722	2710048	AMPLIFIER	7/16/2010
		ELECTROSURGICAL DEVICES WITH	
H-US-01735	2706194	DIRECTIONAL RADIATION PATTERN	5/31/2010
		ELECTROSURGICAL DEVICES HAVING	
		DIELECTRIC LOADED COAXIAL APERTURE	
		WITH DISTALLY POSITIONED RESONANT	
		STRUCTURE AND METHOD OF	
H-US-01736	2712140	MANUFACTURING SAME	8/4/2010

Page 5 of 20

PATENT

Covidien Docket No.	Serial number	fiitje	Filing date
		DIRECTIVE WINDOW ABLATION ANTENNA	ining date
H-US-01737	2711827	WITH DIELECTRIC LOADING	8/4/2010
		NARROW GAUGE HIGH STRENGTH	6/4/2010
		CHOKED WET-TIP MICROWAVE ABLATION	
H-US-01851	2705182	ANTENNA	5/26/2010
		SVSTEM AND METHOD FOR DEDECTION	
		SYSTEM AND METHOD FOR PERFORMING AN ELECTROSURGICAL PROCEDURE	1
		USING AN ABLATION DEVICE WITH AN	
H-US-01919	2729363	INTEGRATED IMAGING DEVICE	1/27/2011
		SELF-TUNING MICROWAVE ABLATION	1/2//2011
H-US-01923	2732378		2/22/2011
		MICROWAVE SURFACE COAGULATOR	
H-US-02418	2735072	WITH RETRACTABLE BLADE	3/24/2011
	-	CHINA	
H-US-01593		LAPAROSCOPIC PORT WITH MICROWAVE	
CIP2	201210205270.7		5/10/2012
H-US-01791		MODIFIED WET TIP ANTENNA DESIGN	5/31/2012
LI ED 00400		MICROWAVE TISSUE DISSECTION AND	
H-EB-00129	201210157143.4		4/9/2012
		MICROWAVE ABLATION INSTRUMENT	
H-EB-00134	201210169145.5	WITH INTERCHANGEABLE ANTENNA	
11-20-00104	201210109145.5	HANDHELD MEDICAL DEVICES INCLUDING	4/9/2012
		MICROWAVE AMPLIFIER UNIT AT DEVICE	
H-EB-00410	201210353225.6		0/00/0040
		HANDHELD MEDICAL DEVICES INCLUDING	9/20/2012
		MICROWAVE AMPLIFIER UNIT AT DEVICE	
H-EB-00413	201210353415.8		9/20/2012
		CHOKED DIELECTRIC LOADED TIP DIPOLE	0/20/2012
H-US-01179	200980103070.7	MICROWAVE ANTENNA	1/22/2009
		EPO	
H-EB-00413	12185192.7	HANDHELD MEDICAL DEVICES INCLUDING I	MICROWAVE
H-US-01081		FLOATING CONNECTOR FOR MICROWAVE	
DIV		SURGICAL DEVICE	11/27/2008
		HANDHELD MEDICAL DEVICES INCLUDING	
II ED 00445		MICROWAVE AMPLIFIER UNIT AT DEVICE	
H-EB-00410	12006524.8		9/17/2012
H-US-01593 CIP2		LAPAROSCOPIC PORT WITH MICROWAVE	
H-US-01791	12003728.8		5/10/2012
H-US-00497		MODIFIED WET TIP ANTENNA DESIGN	5/30/2012
DIV		DEVICES AND METHODS FOR COOLING MICROWAVE ANTENNAS	71401000
	10172004.7	MICHOLOGAVAT VIALEIAIAVO	7/13/2004

Coyldien Docket No:	Serial number	Title	Filing date
		MICROWAVE ANTENNA HAVING A	
H-US-00498 (2)	3721482.2	CURVED CONFIGURATION	3/27/2003
		LOCALIZATION ELEMENT WITH	
H-US-00498 (1)	3736458.5	ENERGIZED TIP	4/11/2003
H-US-00498		MICROWAVE ANTENNA HAVING A	
DIV 2	10185413.1	CURVED CONFIGURATION	3/27/2003
		REINFORCED HIGH STRENGTH	
H-US-00500	6009435.6	MICROWAVE ANTENNA	5/8/2006
	0044000 4	REFLECTIVE POWER MONITORING FOR	
H-US-00731	8011282.4	MICROWAVE APPLICATIONS	6/20/2008
	00070047	COOLED HELICAL ANTENNA FOR	
H-US-00757	8007924.7	MICROWAVE ABLATION	4/24/2008
		ARTICULATING ABLATION DEVICE AND	
H-US-00817	9151736.7		1/30/2009
H-US-00819		INTRACOOLED PERCUTANEOUS	
DIV	11164913.3	MICROWAVE ABLATION PROBE	3/3/2009
H-US-00849		DYNAMICALLY MATCHED MICROWAVE	
DIV2	11185926	ANTENNA FOR TISSUE ABLATION	11/14/2008
H-US-00896	8011705.4	BROADBAND MICROWAVE APPLICATOR	6/27/2008
		FREQUENCY TUNING IN A MICROWAVE	
H-US-00932	8015842.1	ELECTROSURGICAL SYSTEM	9/9/2008
H-US-00942	8015204.4	ELECTRICAL RECEPTACLE ASSEMBLY	8/28/2008
		ELECTROSURGICAL SYSTEMS AND	
		PRINTED CIRCUIT BOARDS FOR USE	
H-US-00943	8013605.4	THEREWITH	7/29/2008
		ELECTROSURGICAL SYSTEMS AND	
H-US-00943		PRINTED CIRCUIT BOARDS FOR USE	
DIV	11185031.9	THEREWITH	7/29/2008
		COMBINED FREQUENCY MICROWAVE	···
		ABLATION SYSTEM, DEVICES AND	
H-US-01037	9172188.6	METHODS OF USE	10/5/2009
		THERMALLY TUNED COAXIAL CABLE FOR	
H-US-01039	9000981.2	MICROWAVE ANTENNAS	1/23/2009
		SYSTEM AND METHOD FOR FIELD	
H-US-01109	8169973.8	ABLATION PREDICTION	11/26/2008
		MICROWAVE ABLATION GENERATOR	
H-US-01110	9012388.6	CONTROL SYSTEM	9/30/2009
H-US-01189	9161502.1	SLIDABLE CHOKE MICROWAVE ANTENNA	5/29/2009

Covidien Docket No.	Serial number	Title	Filling date
		MICROWAVE ANTENNA ASSEMBLY	
H-US-01239		HAVING A DIELECTRIC BODY PORTION WITH RADIAL PARTITIONS OF DIELECTRIC	
DIV	12165136.8		8/25/2009
	1210010010	TISSUE ABLATION SYSTEM WITH PHASE-	6/25/2009
H-US-01326	9166708.9	CONTROLLED CHANNELS	7/29/2009
		MICROWAVE ABLATION SYSTEM WITH	
		USER-CONTROLLED ABLATION SIZE AND	:
H-US-01543	10158944.8	METHOD OF USE	4/1/2010
LI 110 01502	0472260 5	CHOKED DIELECTRIC LOADED TIP DIPOLE	
H-US-01583 H-US-01631		MICROWAVE ANTENNA MICROWAVE SHIELDING APPARATUS	10/16/2009
H-03-01031	9109370.2	INTERMITTENT MICROWAVE ENERGY	9/3/2009
H-US-01680	9012396.9	DELIVERY SYSTEM	9/30/2009
	0012000.0	ANTENNA ASSEMBLIES FOR MEDICAL	9/30/2009
H-US-01714	9172838.6	APPLICATIONS	10/13/2009
		TISSUE IMPEDANCE MEASUREMENT	1011012000
H-US-01847	10163235.4	USING A SECONDARY FREQUENCY	5/19/2010
H-US-00496		HIGH STRENGTH MICROWAVE ANTENNA	
DIV 2	10004950.1	ASSEMBLIES AND METHODS OF USE	10/29/2002
H-US-00496		HIGH STRENGTH MICROWAVE ANTENNA	
DIV	10004951.9	ASSEMBLIES AND METHODS OF USE	10/29/2002
		7.00E.MBEIEG 7.110 MET 11080 01 00E	10/29/2002
		HIGH STRENGTH MICROWAVE ANTENNA	
H-US-00496	2786604.5	ASSEMBLIES AND METHODS OF USE	10/29/2002
		SYSTEMS FOR THERMAL-FEEDBACK-	
		CONTROLLED RATE OF FLUID FLOW TO	
		FLUID-COOLED ANTENNA ASSEMBLY AND METHODS OF DIRECTING ENERGY TO	
H-EB-00038		TISSUE USING SAME	3/9/2012
11 EB-00000		ENERGY-DELIVERY DEVICES WITH	3/9/2012
		FLEXIBLE FLUID-COOLED SHAFT,	
		INFLOW/OUTFLOW JUNCTIONS SUITABLE	
		FOR USE IWTH SAME, AND SYSTEMS	
H-EB-00045		INCLUDING SAME	12/23/2011
H-EB-00053		TISSUE DISSECTORS	1/19/2012
		APPARATUS, SYSTEM AND METHOD FOR	
H-EB-00062		PERFORMING AN ELECTROSURGICAL PROCEDURE	44440044
11-EB-00002	11009030.2	FNOCEDURE	11/14/2011

Covidien Docket No.	Serial number	Title	Filling date
		ENERY-DELIVERY DEVICE INCLUDING ULTRASOUND TRANSDUCER ARRAY AND	
H-EB-00085	12000984	PHASED ANTENNA ARRAY	2/15/2012
		ENERGY-BASED ABLATION COMPLETION	
H-EB-00121	12001841.1	ALGORITHM	3/19/2012
H-EB-00129	12002535 8	MICROWAVE TISSUE DISSECTION AND COAGULATION	4/10/2012
H-EB-00129	12002333.0	MICROWAVE ABLATION INSTRUMENT	4/10/2012
		WITH INTERCHANGEABLE ANTENNA	
H-EB-00134	12002536.6		4/10/2012
		ENERGY-DELIVERY DEVICES WITH	
		FLEXIBLE FLUID-COOLED SHAFT, INFLOW/OUTFLOW JUNCTIONS SUITABLE	ļ
		FOR USE IWTH SAME, AND SYSTEMS	
H-EB-00154		INCLUDING SAME	12/23/2011
		ENERGY-DELIVERY DEVICES WITH	
		FLEXIBLE FLUID-COOLED SHAFT, INFLOW/OUTFLOW JUNCTIONS SUITABLE	
		FOR USE WITH SAME, AND SYSTEMS	
H-EB-00155	11010177.1	INCLUDING SAME	12/23/2011
		ENERGY-DELIVERY DEVICES WITH	
		FLEXIBLE FLUID-COOLED SHAFT,	
		INFLOW/OUTFLOW JUNCTIONS SUITABLE FOR USE WITH SAME, AND SYSTEMS	
H-EB-00156	11010093	INCLUDING SAME	12/22/2011
		MICROWAVE FIELD-DETECTING NEEDLE	
		ASSEMBLIES, METHODS OF	
		MANUFACTURING SAME, METHODS OF	
		ADJUSTING AN ABLATION FIELD RADIATING INTO TISSUE USING SAME,	
H-EB-00227	11010024.5	AND SYSTEMS INCLUDING SAME	12/20/2011
		ENERGY-DELIVERY DEVICE INCLUDING	
	ļ	ULTRASOUND TRANSDUCER ARRAY AND PHASED ANTENNA ARRAY, AND METHODS	
		OF ADJUSTING AN ABLATION FIELD	
H-EB-00248	12000985.7	RADIATING INTO TISSUE USING SAME	2/15/2012
		CHOKED DIELECTRIC LOADED TIP DIPOLE	
H-US-01179	9704429.1	MICROWAVE ANTENNA INTECRATED	7/23/2010
H-US-01252	10720056	POWER-STAGE ANTENNA INTEGRATED SYSTEM	4/28/2010
		LEAKY-WAVE ANTENNAS FOR MEDICAL	20, 2010
H-US-01285	10001767.2	APPLICATIONS	2/22/2010

Page 9 of 20

Covidien Docket No.	Serial number	Title	Filling date
H-US-01593	100006373.4	MICROWAVE ABLATION ANTENNA RADIATION DETECTOR	6/18/2010
H-US-01722	10007399.8	HIGH EFFICIENCY MICROWAVE AMPLIFIER	7/16/2010
H-US-01723	10008850.9	MICROWAVE ABLATION WITH TISSUE TEMPERATURE MONITORING	8/25/2010
H-US-01735	10005533.4	ELECTROSURGICAL DEVICES WITH DIRECTIONAL RADIATION PATTERN	5/27/2010
H-US-01736	10008139.7	ELECTROSURGICAL DEVICES HAVING DIELECTRIC LOADED COAXIAL APERTURE WITH DISTALLY POSITIONED RESONANT STRUCTURE AND METHOD OF MANUFACTURING SAME	8/4/2010
H-US-01737		DIRECTIVE WINDOW ABLATION ANTENNA WITH DIELECTRIC LOADING	8/4/2010
H-US-01738		SURFACE ABLATION ANTENNA WITH DIELECTRIC LOADING	8/16/2010
H-US-01789	11000913.1	ELECTROSURGICAL DEVICES WITH CHOKE SHORTED TO BIOLOGICAL TISSUE	2/4/2011
H-US-01792	10009392.1	METHOD FOR CONSTRUCTING A DIPOLE ANTENNA	9/9/2010
H-US-01794	1011750.6	MATERIAL FUSING APPARATUS, SYSTEM AND METHOD OF USE	9/29/2010
H-US-01795	12000335.5	DUAL ANTENNA MICROWAVE RESECTION AND ABLATION DEVICE, SYSTEM AND METHOD OF USE	1/19/2012
H-US-01798	10010942		9/27/2010
H-US-01844	10014675.2	TWIN SEALING CHAMBER HUB	11/16/2010
H-US-01850	10010943.8	MICROWAVE SURFACE ABLATION USING CONICAL PROBE	9/27/2010
H-US-01851	10005534.2	NARROW GAUGE HIGH STRENGTH CHOKED WET TIP MICROWAVE ABLATION ANTENNA	5/27/2010

Covidien Docket No.	Serial number	Title	Filling date
H-US-01866	10014705.7		11/17/2010
H-US-01900	11003822.1	ELECTROSURGICAL DEVICES WITH BALUN STRUCTURE FOR AIR EXPOSURE OF ANTENNA RADIATING SECTION AND METHOD OF DIRECTING ENERGY TO TISSUE USING SAME	5/10/2011
H-US-01901		SYSTEM AND METHOD FOR CHECKING HIGH POWER MICROWAVE ABLATION SYSTEM STATUS ON STARTUP	9/16/2010
H-US-01915	11002477.5	ABLATION DEVICES WITH ADJUSTABLE RADIATING SECTION LENGTHS, ELECTROSURGICAL SYSTEMS INCLUDING SAME, AND METHODS OF ADJUSTING ABLATION FIELDS USING SAME	3/24/2011
H-US-01919	11000669.9	SYSTEM AND METHOD FOR PERFORMING AN ELECTROSURGICAL PROCEDURE USING AN ABLATION DEVICE WITH AN INTEGRATED IMAGING DEVICE	1/27/2011
H-US-01921	11004942.6	MICROWAVE GROUND PLANE ANTENNA PROBE	6/16/2011
H-US-01923	11001181.4		2/14/2011
H-US-01928	11001872.8	MICROWAVE ANTENNA PROBE HAVING A DEPLOYABLE GROUND PLANE	3/7/2011
		ABLATION DEVICE WITH USER INTERFACE AT DEVICE HANDLE, SYSTEMS INCLUDING SAME, AND METHOD OF ABLATING TISSUE USING	
H-US-01994	11000203.7	SAME SYSTEM AND METHOD FOR MONITORING	1/12/2011
H-US-02103	11000548.5	ABLATION SIZE	1/24/2011
H-US-02105	10014080.5	SYSTEM AND METHOD FOR MONITORING ABLATION SIZE	10/28/2010
H-US-02106	10014042.5	SYSTEM AND METHOD FOR MONITORING ABLATION SIZE	10/27/2010
H-US-02107	11001596.3	SYSTEM AND METHOD FOR MONITORING ABLATION SIZE	2/25/2011

Page 11 of 20

Covidien Docket No.	Serial number	Title	Filing date
H-US-02108	10014081.3	SYSTEM AND METHOD FOR MONITORING ABLATION SIZE	10/28/2010
H-US-02206	12000334.8	SYSTEM AND METHOD FOR ABLATION PROCEDURE MONITORING USING ELECTRODES	1/19/2012
H-US-02333	11008506.5		10/24/2011
		ABLATION DEVICES WITH DUAL OPERATING FREQUENCIES, SYSTEMS INCLUDING SAME, AND METHODS OF ADUSTING ABLATION VOLUME USING	
H-US-02393	11001182.2	SAME DUAL ANTENNA ASSEMBLY WITH USER-	2/14/2011
H-US-02394	11005827.8	CONTROLLED PHASE SHIFTING	7/15/2011
H-US-02418	11002476.7	MICROWAVE SURFACE COAGULATOR WITH RETRACTABLE BLADE	3/24/2011
		MICROWAVE FIELD-DETECTING NEEDLE ASSEMBLIES, METHODS OF MANUFACTURING SAME, METHODS OF ADJUSTING AN ABLATION FIELD RADIATING INTO TISSUE USING SAME,	
H-US-02455	11010046.8	AND SYSTEMS INCLUDING SAME	12/21/2011
		FRANCE COOLED HELICAL ANTENNA FOR	
H-US-00757	8007924.7	MICROWAVE ABLATION	4/24/2008
H-US-00817	9151736.7	ARTICULATING ABLATION DEVICE AND METHOD	1/30/2009
H-US-00896	8011705.4	BROADBAND MICROWAVE APPLICATOR	6/27/2008
H-US-00943	8013605.4	ELECTROSURGICAL SYSTEMS AND PRINTED CIRCUIT BOARDS FOR USE THEREWITH	7/29/2008
H-US-00496 DIV 2	10004950.1	HIGH STRENGTH MICROWAVE ANTENNA ASSEMBLIES AND METHODS OF USE	10/29/2002
H-US-01789	11000913.1	ELECTROSURGICAL DEVICES WITH CHOKE SHORTED TO BIOLOGICAL TISSUE	2/4/2011
H-US-01792	10009392.1		9/9/2010
H-US-01794		MATERIAL FUSING APPARATUS, SYSTEM AND METHOD OF USE	9/29/2010

Page 12 of 20

Covidien Docket No.	Serial number	Titte	Filing date
H-US-01850	10010943.8	MICROWAVE SURFACE ABLATION USING CONICAL PROBE	9/27/2010
H-US-02105	10014080.5	SYSTEM AND METHOD FOR MONITORING ABLATION SIZE	10/28/2010
		GERMANY	
H-US-00757	8007924.7	COOLED HELICAL ANTENNA FOR MICROWAVE ABLATION	4/24/2008
H-US-00817	9151736.7	ARTICULATING ABLATION DEVICE AND METHOD	1/30/2009
H-US-00896	8011705.4	BROADBAND MICROWAVE APPLICATOR	6/27/2008
H-US-00943	8013605.4	ELECTROSURGICAL SYSTEMS AND PRINTED CIRCUIT BOARDS FOR USE THEREWITH	7/29/2008
H-US-00496 DIV 2	10004950.1	HIGH STRENGTH MICROWAVE ANTENNA ASSEMBLIES AND METHODS OF USE	10/29/2002
H-US-01789	11000913.1	ELECTROSURGICAL DEVICES WITH CHOKE SHORTED TO BIOLOGICAL TISSUE	2/4/2011
H-US-01792	10009392.1	METHOD FOR CONSTRUCTING A DIPOLE ANTENNA	9/9/2010
H-US-01794		MATERIAL FUSING APPARATUS, SYSTEM AND METHOD OF USE	9/29/2010
H-US-01850	10010943.8	MICROWAVE SURFACE ABLATION USING CONICAL PROBE	9/27/2010
H-US-02105	10014080.5	SYSTEM AND METHOD FOR MONITORING ABLATION SIZE	10/28/2010
		GREAT BRITAIN	
H-US-00757	8007924.7	COOLED HELICAL ANTENNA FOR MICROWAVE ABLATION	4/24/2008
H-US-00817	9151736.7	ARTICULATING ABLATION DEVICE AND METHOD	1/30/2009
H-US-00896	8011705.4	BROADBAND MICROWAVE APPLICATOR	6/27/2008
H-US-00943	8013605.4	ELECTROSURGICAL SYSTEMS AND PRINTED CIRCUIT BOARDS FOR USE THEREWITH	7/29/2008
H-US-00496	10004950.1	HIGH STRENGTH MICROWAVE ANTENNA ASSEMBLIES AND METHODS OF USE	10/29/2002

Page 13 of 20

PATENT

Covidien Docket No.	Serial number	Title	Filing date
H-US-01789	11000913.1	ELECTROSURGICAL DEVICES WITH CHOKE SHORTED TO BIOLOGICAL TISSUE	2/4/2011
H-US-01792	10009392.1	METHOD FOR CONSTRUCTING A DIPOLE ANTENNA	9/9/2010
H-US-01794	1011750.6	MATERIAL FUSING APPARATUS, SYSTEM AND METHOD OF USE	9/29/2010
H-US-01850	10010943.8	MICROWAVE SURFACE ABLATION USING CONICAL PROBE	9/27/2010
H-US-02105	10014080.5	SYSTEM AND METHOD FOR MONITORING ABLATION SIZE	10/28/2010
	T	IRELAND	
H-US-00757	8007924.7	COOLED HELICAL ANTENNA FOR MICROWAVE ABLATION	4/24/2008
H-US-00817	9151736.7	ARTICULATING ABLATION DEVICE AND METHOD	1/30/2009
H-US-00896	8011705.4	BROADBAND MICROWAVE APPLICATOR	6/27/2008
H-US-00943	8013605.4	ELECTROSURGICAL SYSTEMS AND PRINTED CIRCUIT BOARDS FOR USE THEREWITH	7/29/2008
H-US-00496 DIV 2	10004950.1	HIGH STRENGTH MICROWAVE ANTENNA ASSEMBLIES AND METHODS OF USE	10/29/2002
H-US-01792	10009392.1	METHOD FOR CONSTRUCTING A DIPOLE ANTENNA	9/9/2010
H-US-01794	1011750.6	MATERIAL FUSING APPARATUS, SYSTEM AND METHOD OF USE	9/29/2010
H-US-01850	10010943.8	MICROWAVE SURFACE ABLATION USING CONICAL PROBE	9/27/2010
H-US-02105	10014080.5	SYSTEM AND METHOD FOR MONITORING ABLATION SIZE	10/28/2010
		ITALY	
H-US-00757	8007924.7	COOLED HELICAL ANTENNA FOR MICROWAVE ABLATION	4/24/2008
H-US-00817	9151736.7		1/30/2009
H-US-00943	8013605.4	ELECTROSURGICAL SYSTEMS AND PRINTED CIRCUIT BOARDS FOR USE THEREWITH JAPAN	7/29/2008
I SYSTEM AND METHOD FOR MONITORING I			
H-US-02105	2010-241818	ABLATION SIZE	10/28/2010

Covidien Docket No.	Serial number	Title	Filing date
H-US-02108	2010-241881	SYSTEM AND METHOD FOR MONITORING ABLATION SIZE	10/28/2010
H-US-00546 DIV	2012-256540	MICROWAVE ANTENNA ASSEMBLY AND METHOD OF USING THE SAME	9/28/2007
H-US-00817	2009-20696	ARTICULATING ABLATION DEVICE AND METHOD	1/30/2009
H-US-00932	2008-235231	FREQUENCY TUNING IN A MICROWAVE ELECTROSURGICAL SYSTEM	9/12/2008
H-US-01039	2009-12392	THERMALLY TUNED COAXIAL CABLE FOR MICROWAVE ANTENNAS	1/22/2009
H-US-01583	2009-239894	CHOKED DIELECTRIC LOADED TIP DIPOLE MICROWAVE ANTENNA	10/16/2009
H-EB-00038	2012-052613	SYSTEMS FOR THERMAL-FEEDBACK- CONTROLLED RATE OF FLUID FLOW TO FLUID-COOLED ANTENNA ASSEMBLY AND METHODS OF DIRECTING ENERGY TO TISSUE USING SAME	3/9/2012
H-EB-00045	2011-287386	ENERGY-DELIVERY DEVICES WITH FLEXIBLE FLUID-COOLED SHAFT, INFLOW/OUTFLOW JUNCTIONS SUITABLE FOR USE IWTH SAME, AND SYSTEMS INCLUDING SAME	12/28/2011
H-EB-00053	2012-011039	TISSUE DISSECTORS	1/23/2012
H-EB-00062	2011-247231	APPARATUS, SYSTEM AND METHOD FOR PERFORMING AN ELECTROSURGICAL PROCEDURE	11/11/2011
H-EB-00085	2012-029390	ENERY-DELIVERY DEVICE INCLUDING ULTRASOUND TRANSDUCER ARRAY AND PHASED ANTENNA ARRAY	2/14/2012
H-EB-00121	2012-061668	ENERGY-BASED ABLATION COMPLETION ALGORITHM	3/19/2012
H-EB-00129	2012-087291	MICROWAVE TISSUE DISSECTION AND COAGULATION	4/6/2012
H-EB-00134	2012-087246	MICROWAVE ABLATION INSTRUMENT WITH INTERCHANGEABLE ANTENNA PROBE	4/6/2012
H-EB-00154	2011-283289	ENERGY-DELIVERY DEVICES WITH FLEXIBLE FLUID-COOLED SHAFT, INFLOW/OUTFLOW JUNCTIONS SUITABLE FOR USE IWTH SAME, AND SYSTEMS INCLUDING SAME	12/26/2011

Covidien Docket No.	Serial number	Title	Filling date
H-EB-00155	2011-283440	ENERGY-DELIVERY DEVICES WITH FLEXIBLE FLUID-COOLED SHAFT, INFLOW/OUTFLOW JUNCTIONS SUITABLE FOR USE WITH SAME, AND SYSTEMS INCLUDING SAME	12/26/2011
H-EB-00156	2011-282887	ENERGY-DELIVERY DEVICES WITH FLEXIBLE FLUID-COOLED SHAFT, INFLOW/OUTFLOW JUNCTIONS SUITABLE FOR USE WITH SAME, AND SYSTEMS INCLUDING SAME	12/26/2011
H-EB-00227	2011-276800	MICROWAVE FIELD-DETECTING NEEDLE ASSEMBLIES, METHODS OF MANUFACTURING SAME, METHODS OF ADJUSTING AN ABLATION FIELD RADIATING INTO TISSUE USING SAME, AND SYSTEMS INCLUDING SAME	12/19/2011
H-EB-00248	2012-028085	ENERGY-DELIVERY DEVICE INCLUDING ULTRASOUND TRANSDUCER ARRAY AND PHASED ANTENNA ARRAY, AND METHODS OF ADJUSTING AN ABLATION FIELD RADIATING INTO TISSUE USING SAME	2/13/2012
H-EB-00410	2012-202211	HANDHELD MEDICAL DEVICES INCLUDING MICROWAVE AMPLIFIER UNIT AT DEVICE HANDLE	9/14/2012
H-US-01179	2010-544404`	CHOKED DIELECTRIC LOADED TIP DIPOLE MICROWAVE ANTENNA	1/22/2009
H-US-01252	2012-509844	POWER-STAGE ANTENNA INTEGRATED SYSTEM	4/28/2010
H-US-01593	2010-139423	MICROWAVE ABLATION ANTENNA RADIATION DETECTOR	6/18/2010
H-US-01593 CIP 2	2012-107396	LAPARÓSCOPIC PORT WITH MICROWAVE RECTIFIER	5/9/2012
H-US-01722	2010-161455	HIGH EFFICIENCY MICROWAVE AMPLIFIER	7/16/2010
H-US-01723	2010-187961	MICROWAVE ABLATION WITH TISSUE TEMPERATURE MONITORING	8/25/2010
H-US-01736	2010-175112	ELECTROSURGICAL DEVICES HAVING DIELECTRIC LOADED COAXIAL APERTURE WITH DISTALLY POSITIONED RESONANT STRUCTURE AND METHOD OF MANUFACTURING SAME	8/4/2010

Page 16 of 20

Covidien Docket No.	Serial number	Title	Filling date
H-US-01737	2010-174603	DIRECTIVE WINDOW ABLATION ANTENNA WITH DIELECTRIC LOADING	8/3/2010
H-US-01738	2010-181337	SURFACE ABLATION ANTENNA WITH DIELECTRIC LOADING	8/13/2010
H-US-01789	2011-015136 2012-121524	ELECTROSURGICAL DEVICES WITH CHOKE SHORTED TO BIOLOGICAL TISSUE MODIFIED WET TIP ANTENNA DESIGN	1/27/2011
H-US-01791	2010-200996	METHOD FOR CONSTRUCTING A DIPOLE ANTENNA	5/29/2012 9/8/2010
H-US-01795	2012-010801	DUAL ANTENNA MICROWAVE RESECTION AND ABLATION DEVICE, SYSTEM AND METHOD OF USE	1/23/2012
H-US-01798	2010-214756	ELECTROSURGICAL DEVICES, DIRECTIONAL REFLECTOR ASSEMBLIES COUPLEABLE THERETO, AND ELECTROSURGICAL SYSTEMS INCLUDING SAME	9/27/2010
H-US-01844	2010-255534	TWIN SEALING CHAMBER HUB	11/16/2010
H-US-01850	2010-214804	MICROWAVE SURFACE ABLATION USING CONICAL PROBE	9/27/2010
H-US-01900	2011-100326	ELECTROSURGICAL DEVICES WITH BALUN STRUCTURE FOR AIR EXPOSURE OF ANTENNA RADIATING SECTION AND METHOD OF DIRECTING ENERGY TO TISSUE USING SAME	4/28/2011
H-US-01901	2010-206698	SYSTEM AND METHOD FOR CHECKING HIGH POWER MICROWAVE ABLATION SYSTEM STATUS ON STARTUP	9/15/2010
H-US-01915	2011-64370	ABLATION DEVICES WITH ADJUSTABLE RADIATING SECTION LENGTHS, ELECTROSURGICAL SYSTEMS INCLUDING SAME, AND METHODS OF ADJUSTING ABLATION FIELDS USING SAME	3/23/2011
H-US-01919	2011-12862	SYSTEM AND METHOD FOR PERFORMING AN ELECTROSURGICAL PROCEDURE USING AN ABLATION DEVICE WITH AN INTEGRATED IMAGING DEVICE	1/25/2011
H-US-01921	2011-134687	MICROWAVE GROUND PLANE ANTENNA PROBE	6/17/2011

Page 17 of 20

Covidien Docket No.	Sarial number	Title	Filing date
11.110.04000	2011 020152	SELF-TUNING MICROWAVE ABLATION PROBE	0/45/0044
H-US-01923	2011-029452	MICROWAVE ANTENNA PROBE HAVING A	2/15/2011
U UC 04038	2011-047874	DEPLOYABLE GROUND PLANE	0/4/0044
H-US-01928	2011-04/6/4	TISSUE ABLATION SYSTEM WITH ENERGY	3/4/2011
H-US-01993	2010-206705	DISTRIBUTION	9/15/2010
		ABLATION DEVICE WITH USER	
		INTERFACE AT DEVICE HANDLE,	
		SYSTEMS INCLUDING SAME, AND	
		METHOD OF ABLATING TISSUE USING	
H-US-01994	2011-3083	SAME	1/11/2011
		SENSORS ON PATIENT SIDE FOR A	
H-US-01999	2011-014527	MICROWAVE GENERATOR	2/28/2011
		SYSTEM AND METHOD FOR MONITORING	
H-US-02103	2011-8938	ABLATION SIZE	1/19/2011
		SYSTEM AND METHOD FOR MONITORING	
H-US-02106	2010-240441	ABLATION SIZE	10/27/2010
		SYSTEM AND METHOD FOR MONITORING	
H-US-02107	2011-037972	ABLATION SIZE	2/25/2011
		SYSTEM AND METHOD FOR ABLATION	
	1	PROCEDURE MONITORING USING	
H-US-02206	2012-010935	ELECTRODES	1/23/2012
		MICROWAVE SPACERS AND METHOD OF	
H-US-02333	2011-232681	USE	10/24/2011
		ABLATION DEVICES WITH DUAL	
1		OPERATING FREQUENCIES, SYSTEMS	
		INCLUDING SAME, AND METHODS OF	
		ADUSTING ABLATION VOLUME USING	
H-US-02393	2011-029431	SAME	2/15/2011
		DUAL ANTENNA ASSEMBLY WITH USER-	
H-US-02394	2011-156313	CONTROLLED PHASE SHIFTING	7/15/2011
		MICROWAVE SURFACE COAGULATOR	
H-US-02418	2011-64080	WITH RETRACTABLE BLADE	3/23/2011
		MICROWAVE FIELD-DETECTING NEEDLE	
		ASSEMBLIES, METHODS OF	
		MANUFACTURING SAME, METHODS OF	
		ADJUSTING AN ABLATION FIELD	
H-US-02455	2011-278058	RADIATING INTO TISSUE USING SAME, AND SYSTEMS INCLUDING SAME	12/20/2044
H-US-02455	2011-210030	DEVICES AND METHODS FOR COOLING	12/20/2011
DIV	2010-130429	MICROWAVE ANTENNAS	7/13/2004
H-US-00497	2010-100429	DEVICES AND METHODS FOR COOLING	111312004
DIV 2	2010-130430	MICROWAVE ANTENNAS	7/13/2004
UIV 2	12010-130-30	INITOTOTAL VIA I FIAIAVO	111312004

Page 18 of 20

Covidien Docket No.	Serial number	Title	Filing date
H-US-00546	2007-256540	MICROWAVE ANTENNA ASSEMBLY AND METHOD OF USING THE SAME	9/28/2007
H-US-00731	2008-161057	REFLECTIVE POWER MONITORING FOR MICROWAVE APPLICATIONS	6/19/2008
H-US-00757	2008-114389	COOLED HELICAL ANTENNA FOR MICROWAVE ABLATION	4/24/2008
H-US-00819	2009-48620	INTRACOOLED PERCUTANEOUS MICROWAVE ABLATION PROBE	3/2/2009
H-US-00849	2008-292811	DYNAMICALLY MATCHED MICROWAVE ANTENNA FOR TISSUE ABLATION	11/14/2008
H-US-00896	2008-169614	BROADBAND MICROWAVE APPLICATOR	6/27/2008
H-US-00943	2008-195532	ELECTROSURGICAL SYSTEMS AND PRINTED CIRCUIT BOARDS FOR USE THEREWITH	7/29/2008
H-US-01037	2009-231025	COMBINED FREQUENCY MICROWAVE ABLATION SYSTEM, DEVICES AND METHODS OF USE	10/2/2009
H-US-01038	2009-83523	RE-HYDRATION ANTENNA FOR MICROWAVE ABLATION	3/30/2009
H-US-01043	2009-204062	SHIELDING FOR AN ISOLATION APPARATUS USED IN A MICROWAVE GENERATOR	9/3/2009
H-US-01081	2008-301755	FLOATING CONNECTOR FOR MICROWAVE SURGICAL DEVICE	11/26/2008
H-US-01109	2008-301757	SYSTEM AND METHOD FOR FIELD ABLATION PREDICTION	11/26/2008
H-US-01110	2009-225624	MICROWAVE ABLATION GENERATOR CONTROL SYSTEM	9/29/2009
H-US-01181	2009-228827	DELIVERED ENERGY GENERATOR FOR MICROWAVE ABLATION	9/30/2009
H-US-01189	2009-129719	SLIDABLE CHOKE MICROWAVE ANTENNA	5/28/2009
H-US-01239	2009-193364	MICROWAVE ANTENNA ASSEMBLY HAVING A DIELECTRIC BODY PORTION WITH RADIAL PARTITIONS OF DIELECTRIC MATERIAL	8/24/2009
H-US-01285	2010-36673	LEAKY-WAVE ANTENNAS FOR MEDICAL APPLICATIONS	2/22/2010
H-US-01543	2010-85592	MICROWAVE ABLATION SYSTEM WITH USER-CONTROLLED ABLATION SIZE AND METHOD OF USE	4/1/2010

Page 19 of 20

Covidian Docket No.	Serial number	Title	Filing date
		DUAL-BAND DIPOLE MICROWAVE	
H-US-01630	2009-193371	ABLATION ANTENNA	8/24/2009
H-US-01631	2009-204067	MICROWAVE SHIELDING APPARATUS	9/3/2009
H-US-01677	2009-225620	MICROWAVE SYSTEM TUNER	9/30/2009
H-US-01679	2009-225622	SYSTEM, APPARATUS AND METHOD FOR DISSIPATING STANDING WAVE IN A MICROWAVE DELIVERY SYSTEM	9/29/2009
H-US-01680	2009-225623	INTERMITTENT MICROWAVE ENERGY DELIVERY SYSTEM	9/29/2009
H-US-01735	2010-126353	ELECTROSURGICAL DEVICES WITH DIRECTIONAL RADIATION PATTERN	6/1/2010
H-US-01847	2010-115832	TISSUE IMPEDANCE MEASUREMENT USING A SECONDARY FREQUENCY	5/19/2010
H-US-01851	2010-121048	NARROW GAUGE HIGH STRENGTH CHOKED WET-TIP MICROWAVE ABLATION ANTENNA	5/26/2010
		KOREA	
H-US-01179	10-2010-7017468	CHOKED DIELECTRIC LOADED TIP DIPOLE MICROWAVE ANTENNA	1/22/2009
		SPAIN	
H-US-00757	8007924.7	COOLED HELICAL ANTENNA FOR MICROWAVE ABLATION	4/24/2008
H-US-00817	9151736.7	ARTICULATING ABLATION DEVICE AND METHOD	1/30/2009

Page 20 of 20