

TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

ETAS ID: TM450309

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY INTEREST
SEQUENCE:	1

CONVEYING PARTY DATA

Name	Formerly	Execution Date	Entity Type
SPR Therapeutics, Inc.		09/07/2017	Corporation: DELAWARE

RECEIVING PARTY DATA

Name:	THE DIRECTOR OF THE OHIO DEVELOPMENT SERVICES AGENCY
Street Address:	77 South High Street
City:	Columbus
State/Country:	OHIO
Postal Code:	43215
Entity Type:	State Agency: OHIO

PROPERTY NUMBERS Total: 11

Property Type	Number	Word Mark
Registration Number:	4151848	SMARTPATCH
Registration Number:	3915196	SPR
Registration Number:	4283225	SPR
Registration Number:	3967556	SPR
Registration Number:	4459384	SPR
Registration Number:	5200407	SPRINT
Serial Number:	87456903	MARATHON
Registration Number:	3178728	MICROPULSE
Registration Number:	3835111	NDI
Registration Number:	3835127	NDI
Registration Number:	4619461	MICROPULSE

CORRESPONDENCE DATA

Fax Number: 5135796457

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 5135796590

Email: mmusekamp@kmlaw.com

Correspondent Name: Mark E. Musekamp

Address Line 1: One East 4th Street, Suite 1400

TRADEMARK

Address Line 4:	Cincinnati, OHIO 45202
ATTORNEY DOCKET NUMBER:	OH5005FI0050
NAME OF SUBMITTER:	Mark E. Musekamp
SIGNATURE:	/Mark E. Musekamp/
DATE SIGNED:	11/09/2017

Total Attachments: 17

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**AMENDED AND RESTATED
INTELLECTUAL PROPERTY SECURITY AGREEMENT**

This AMENDED AND RESTATED INTELLECTUAL PROPERTY SECURITY AGREEMENT (this "*Amended and Restated IP Security Agreement*"), dated as of September 7, 2017, is made by SPR THERAPEUTICS, INC., a Delaware corporation (the "*Corporation*"), in favor of THE DIRECTOR OF THE OHIO DEVELOPMENT SERVICES AGENCY (the "*Director*").

Background Information

As a condition precedent to the making of a loan by the Director under the Loan Agreement dated as of March 29, 2013 (the "*Loan Agreement*") between the Corporation (formerly known as SPR Therapeutics, LLC, an Ohio limited liability company) and the Director, the Corporation executed and delivered to the Director that certain Security Agreement dated as of March 29, 2013, made by and between the Corporation and the Director (the "*Security Agreement*"); and

Under the terms of the Security Agreement, the Corporation granted to the Director a security interest in, among other property, certain intellectual property of the Corporation, and agreed to execute and deliver an Intellectual Property Security Agreement, for recording with national, federal and state government authorities, including, but not limited to, the United States Patent and Trademark Office and the United States Copyright Office.

The Corporation executed and delivered to the Director the Intellectual Property Security Agreement dated as of March 29, 2013 (the "*Original IP Agreement*"), and that Original IP Agreement was previously recorded with the United States Patent and Trademark Office on May 30, 2013. As a result of the Corporation statutorily converting from an Ohio limited liability company to a Delaware corporation, the Borrower and the Director now desire to amend and restate the Original IP Agreement with this Amended and Restated IP Security Agreement, with this Amended and Restated IP Security Agreement to supersede and replace the Original IP Agreement, and for this Amended and Restated IP Security Agreement to be recorded with national, federal and state government authorities, including, but not limited to, the United States Patent and Trademark Office and the United States Copyright Office.

Provisions

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Corporation agrees with the Director as follows:

1. **Grant of Security.** The Corporation hereby pledges and grants to the Director for the benefit of the Director a security interest in and to all of the right, title and interest of the Corporation in, to and under the following, wherever located, and whether now existing or hereafter arising or acquired from time to time (the "*IP Collateral*");

(a) the patents and patent applications set forth in Schedule 1 hereto and all reissues, divisions, continuations, continuations-in-part, renewals, extensions and reexaminations thereof and amendments thereto (the “*Patents*”);

(b) the trademark registrations and applications set forth in Schedule 2 hereto, together with the goodwill connected with the use of and symbolized thereby and all extensions and renewals thereof (the “*Trademarks*”), excluding only United States intent-to-use trademark applications to the extent that and solely during the period in which the grant of a security interest therein would impair, under applicable federal law, the registrability of such applications or the validity or enforceability of registrations issuing from such applications;

(c) the copyright registrations, applications and copyright registrations and applications exclusively licensed to the Corporation set forth in Schedule 3 hereto, and all extensions and renewals thereof (the “*Copyrights*”);

(d) all rights of any kind whatsoever of the Corporation accruing under any of the foregoing provided by applicable law of any jurisdiction, by international treaties and conventions and otherwise throughout the world;

(e) any rights in patents and patent applications, trademark registrations and applications, copyright registrations and applications, and designs licensed to the Corporation, including but not limited to those licensed to the Corporation from NDI Medical, LLC set forth in Schedule 4 hereto;

(f) any and all royalties, fees, income, payments and other proceeds now or hereafter due or payable with respect to any and all of the foregoing; and

(g) any and all claims and causes of action, with respect to any of the foregoing, whether occurring before, on or after the date hereof, including all rights to and claims for damages, restitution and injunctive and other legal and equitable relief for past, present and future infringement, dilution, misappropriation, violation, misuse, breach or default, with the right but no obligation to sue for such legal and equitable relief and to collect, or otherwise recover, any such damages.

2. Recordation. The Corporation authorizes the Commissioner for Patents, the Commissioner for Trademarks and the Register of Copyrights and any other government officials to record and register this Amended and Restated IP Security Agreement upon request by the Director.

3. Loan Documents. This Amended and Restated IP Security Agreement has been entered into pursuant to and in conjunction with the Security Agreement, which is hereby incorporated by reference. The provisions of the Security Agreement shall supersede and control over any conflicting or inconsistent provision herein. The rights and remedies of the Director with respect to the IP Collateral are as provided by the Loan Agreement, the Security Agreement and the other Loan Documents, and nothing in this Amended and Restated IP Security Agreement shall be deemed to limit such rights and remedies.

4. Execution in Counterparts. This Amended and Restated IP Security Agreement may be executed by one or more of the parties to this Agreement on any number of separate counterparts (including by telecopy), and all of said counterparts taken together shall be deemed to constitute one and the same instrument.

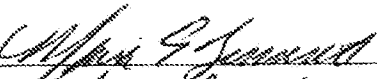
5. Successors and Assigns. This Amended and Restated IP Security Agreement will be binding on and shall inure to the benefit of the parties hereto and their respective successors and assigns.

6. Governing Law. This Amended and Restated IP Security Agreement and any claim, controversy, dispute or cause of action (whether in contract or tort or otherwise) based upon, arising out of or relating to this Amended and Restated IP Security Agreement and the transactions contemplated hereby and thereby shall be governed by, and construed in accordance with, the laws of the United States and the State of Ohio, without giving effect to any choice or conflict of law provision or rule (whether of the State of Ohio or any other jurisdiction).

[SIGNATURE PAGE FOLLOWS]

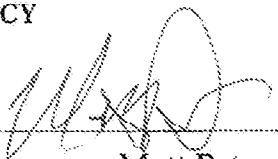
IN WITNESS WHEREOF, the Corporation has caused this Amended and Restated IP Security Agreement to be duly executed and delivered as of the date first above written.

SPR THERAPEUTICS, INC.

By 
Name: *Maria E. Bennett*
Title: *President & CEO*

AGREED TO AND ACCEPTED:

THE DIRECTOR OF THE OHIO
DEVELOPMENT SERVICES
AGENCY

By 
Name: **Matt Peters**
Title: **Assistant Director**

SCHEDULES

Schedule 1 – Issued Patents and Patent Applications

Title	Country	Case Type	Application Status	Application Number	Filing Date	Patent Number	Issue Date
APPARATUS AND METHOD FOR POSITIONING AND IMPLANTING A STIMULATION LEAD	US	CON	Pending	15/388,128	22-Dec-2016		
APPARATUS AND METHOD FOR POSITIONING AND IMPLANTING A STIMULATION LEAD	US	CIP	Pending	15/665,909	01-Aug-2017		
APPARATUS AND METHOD FOR POSITIONING AND IMPLANTING A STIMULATION LEAD	WO	ORD	Published	US16/57267	17-Oct-2016		
APPARATUS AND METHOD FOR POSITIONING, IMPLANTING AND USING A STIMULATION LEAD	US	PRO	Pending	62/539,776	01-Aug-2017		
APPARATUS AND METHOD FOR TREATING HEADACHES	EP	PCT	Pending	15867214.7	10-Dec-2015		
APPARATUS AND METHOD FOR TREATING HEADACHES	US	PCT	Pending	15/533,170	05-Jun-2017		
DEVICES AND METHODS FOR DELIVERY OF ELECTRICAL CURRENT FOR PAIN RELIEF	US	ORD	Pending	15/688,418	28-Aug-2017		
DEVICES AND METHODS FOR DELIVERY OF ELECTRICAL CURRENT FOR PAIN RELIEF	WO	ORD	Pending	PCT/US17/48904	28-Aug-2017		
METHOD AND SYSTEM OF MECHANICAL NERVE STIMULATION FOR PAIN	US	PRO	Pending	62/411,068	21-Oct-2016		
NON-OPIOID PAIN MANAGEMENT SYSTEM FOR POST-TRAUMATIC OSTEOARTHRITIS	US	PRO	Pending	62/356,967	30-Jun-2016		
NON-OPIOID PAIN MANAGEMENT SYSTEM FOR POST-TRAUMATIC OSTEOARTHRITIS	US	PRO	Pending	62/526,075	28-Jun-2017		
RECHARGEABLE NON-OPIOID PAIN MANAGEMENT SYSTEM	US	PRO	Pending	62/522,863	21-Jun-2017		

Title	Country	Case Type	Application Status	Application Number	Filing Date	Patent Number	Issue Date
SYSTEM AND METHOD FOR TREATMENT OF PAIN RELATED TO LIMB JOINT REPLACEMENT SURGERY	CA	PCT	Published	2,866,609	08-Mar-2013		
SYSTEM AND METHOD FOR TREATMENT OF PAIN RELATED TO LIMB JOINT REPLACEMENT SURGERY	EP	PCT	Published	13758002.3	08-Mar-2013		
SYSTEM AND METHOD FOR TREATMENT OF PAIN RELATED TO LIMB JOINT REPLACEMENT SURGERY	US	CON	Granted	14/547,493	19-Nov-2014	9555245	31-Jan-2017
SYSTEM AND METHOD FOR TREATMENT OF PAIN RELATED TO LIMB JOINT REPLACEMENT SURGERY	US	CON	Published	15/419,038	30-Jan-2017		
SYSTEM AND METHOD FOR TREATMENT OF PAIN RELATED TO LIMB JOINT REPLACEMENT SURGERY	US	ORD	Granted	13/791,710	08-Mar-2013	8,965,516	24-Feb-2015
SYSTEMS AND METHODS FOR THE TREATMENT OF PAIN THROUGH NEURAL FIBER STIMULATION	AU	DIV	Published	2016200012	01-Dec-2011		
SYSTEMS AND METHODS FOR THE TREATMENT OF PAIN THROUGH NEURAL FIBER STIMULATION	AU	PCT	Granted	2011336490	01-Dec-2011	2011336490	11-Aug-2016
SYSTEMS AND METHODS FOR THE TREATMENT OF PAIN THROUGH NEURAL FIBER STIMULATION	AU	PCT	Granted	2011336430	01-Dec-2011	2011336430	12-Jan-2017
SYSTEMS AND METHODS FOR THE TREATMENT OF PAIN THROUGH NEURAL FIBER STIMULATION	AU	PCT	Granted	2011336506	01-Dec-2011	2011336506	21-Jan-2016
SYSTEMS AND METHODS FOR THE TREATMENT OF PAIN THROUGH NEURAL FIBER STIMULATION	CA	PCT	Published	2,819,596	01-Dec-2011		
SYSTEMS AND METHODS FOR THE TREATMENT OF PAIN THROUGH NEURAL FIBER STIMULATION	CA	PCT	Published	2,819,602	01-Dec-2011		
SYSTEMS AND METHODS FOR THE TREATMENT OF PAIN THROUGH NEURAL FIBER STIMULATION	CA	PCT	Published	2,819,599	01-Dec-2011		
SYSTEMS AND METHODS FOR THE TREATMENT OF PAIN THROUGH NEURAL FIBER STIMULATION	US	CON	Granted	14/336,586	21-Jul-2014	9,248,289	02-Feb-2016

Title	Country	Case Type	Application Status	Application Number	Filing Date	Patent Number	Issue Date
SYSTEMS AND METHODS FOR THE TREATMENT OF PAIN THROUGH NEURAL FIBER STIMULATION	US	CON	Granted	14/336,633	21-Jul-2014	9,616,229	11-Apr-2017
SYSTEMS AND METHODS FOR THE TREATMENT OF PAIN THROUGH NEURAL FIBER STIMULATION	US	CON	Published	14/336,688	21-Jul-2014		
SYSTEMS AND METHODS FOR THE TREATMENT OF PAIN THROUGH NEURAL FIBER STIMULATION	US	CON	Granted	15/012,254	01-Feb-2016	9,707,394	18-Jul-2017
SYSTEMS AND METHODS FOR THE TREATMENT OF PAIN THROUGH NEURAL FIBER STIMULATION	US	CON	Pending	15/651,395	17-Jul-2017		
SYSTEMS AND METHODS FOR THE TREATMENT OF PAIN THROUGH NEURAL FIBER STIMULATION	US	ORD	Granted	13/309,152	01-Dec-2011	8,788,048	22-Jul-2014
SYSTEMS AND METHODS FOR THE TREATMENT OF PAIN THROUGH NEURAL FIBER STIMULATION	US	ORD	Granted	13/309,024	01-Dec-2011	8,788,046	22-Jul-2014
SYSTEMS AND METHODS FOR THE TREATMENT OF PAIN THROUGH NEURAL FIBER STIMULATION	US	ORD	Granted	13/309,107	01-Dec-2011	8,788,047	22-Jul-2014
SYSTEMS AND METHODS FOR THE TREATMENT OF PAIN THROUGH NEURAL FIBER STIMULATION OF EFFERENT NERVE FIBER	US	CON	Published	15/453,978	09-Mar-2017		
SYSTEMS AND METHODS FOR TREATING SHOULDER PAIN RELATED TO SUBACROMIAL IMPINGEMENT SYNDROME	AU	PCT	Granted	2011336269	05-Dec-2011	2011336269	25-Aug-2016
SYSTEMS AND METHODS FOR TREATMENT OF PAIN CAUSED BY SUBACROMIAL IMPINGEMENT	CA	PCT	Published	2,819,614	05-Dec-2011		
SYSTEMS AND METHODS FOR TREATMENT OF PAIN CAUSED BY SUBACROMIAL IMPINGEMENT	US	PCT	Granted	13/991,033	31-May-2013	8,886,337	11-Nov-2014
SYSTEMS AND METHODS FOR TREATMENT OF PAIN CAUSED BY SUBACROMIAL IMPINGEMENT	US	CON	Granted	14/536,951	10-Nov-2014	9,381,343	05-Jul-2016
SYSTEMS AND METHODS FOR TREATMENT OF PAIN CAUSED BY SUBACROMIAL	US	CON	Published	15/202,256	05-Jul-2016		

Title	Country	Case Type	Application Status	Application Number	Filing Date	Patent Number	Issue Date
IMPINGEMENT							
SYSTEMS AND METHODS RELATED TO THE TREATMENT OF BACK PAIN	AU	PCT	Pending	2013231842	15-Mar-2013		
SYSTEMS AND METHODS RELATED TO THE TREATMENT OF BACK PAIN	CA	PCT	Published	2,867,351	15-Mar-2013		
SYSTEMS AND METHODS RELATED TO THE TREATMENT OF BACK PAIN	EP	PCT	Published	13760774.3	15-Mar-2013		
SYSTEMS AND METHODS RELATED TO THE TREATMENT OF BACK PAIN	US	CIP	Published	14/952,428	25-Nov-2015		
SYSTEMS AND METHODS RELATED TO THE TREATMENT OF BACK PAIN	US	ORD	Published	13/843,002	15-Mar-2013		
SYSTEMS AND METHODS RELATED TO THE TREATMENT OF BACK PAIN	AU	PCT	Pending	2013229854	08-Mar-2013		
SYSTEMS AND METHODS TO PLACE ONE OR MORE LEADS IN MUSCLE FOR PROVIDING ELECTRICAL STIMULATION TO TREAT PAIN	AU	PCT	Granted	2009277037	03-Aug-2009	2009277037	09-Jun-2016
SYSTEMS AND METHODS TO PLACE ONE OR MORE LEADS IN TISSUE FOR PROVIDING FUNCTIONAL AND/OR THERAPEUTIC STIMULATION	AU	PCT	Granted	2009322895	07-Dec-2009	2009322895	07-Jan-2016
SYSTEMS AND METHODS TO PLACE ONE OR MORE LEADS IN TISSUE FOR PROVIDING FUNCTIONAL AND/OR THERAPEUTIC STIMULATION	AU	PCT	Granted	2009322898	07-Dec-2009	2009322898	25-Jun-2015
SYSTEMS AND METHODS TO PLACE ONE OR MORE LEADS IN TISSUE FOR PROVIDING FUNCTIONAL AND/OR THERAPEUTIC STIMULATION	CA	PCT	Published	2,761,530	07-Dec-2009		
SYSTEMS AND METHODS TO PLACE ONE OR MORE LEADS IN TISSUE FOR PROVIDING FUNCTIONAL AND/OR THERAPEUTIC STIMULATION	US	CON	Published	15/132,832	19-Apr-2016		

Title	Country	Case Type	Application Status	Application Number	Filing Date	Patent Number	Issue Date
SYSTEMS AND METHODS TO PLACE ONE OR MORE LEADS IN TISSUE FOR PROVIDING FUNCTIONAL AND/OR THERAPEUTIC STIMULATION	US	ORD	Granted	12/653,023	07-Dec-2009	8,954,153	10-Feb-2015
SYSTEMS AND METHODS TO PLACE ONE OR MORE LEADS IN TISSUE FOR PROVIDING FUNCTIONAL AND/OR THERAPEUTIC STIMULATION	CA	PCT	Granted	2,753,126	03-Aug-2009	2,753,126	05-Apr-2016
SYSTEMS AND METHODS TO PLACE ONE OR MORE LEADS IN TISSUE FOR PROVIDING FUNCTIONAL AND/OR THERAPEUTIC STIMULATION	US	ORD	Granted	12/462,371	03-Aug-2009	8,626,302	07-Jan-2014
SYSTEMS AND METHODS TO PLACE ONE OR MORE LEADS IN TISSUE TO ELECTRICALLY STIMULATE NERVES OF PASSAGE TO TREAT PAIN	AU	PCT	Granted	2012304576	06-Sep-2012	2012304576	15-Jun-2017
SYSTEMS AND METHODS TO PLACE ONE OR MORE LEADS IN TISSUE TO ELECTRICALLY STIMULATE NERVES OF PASSAGE TO TREAT PAIN	AU	PCT	Pending	2013363486	06-Dec-2013		
SYSTEMS AND METHODS TO PLACE ONE OR MORE LEADS IN TISSUE TO ELECTRICALLY STIMULATE NERVES OF PASSAGE TO TREAT PAIN	CA	PCT	Published	2,848,054	06-Sep-2012		
SYSTEMS AND METHODS TO PLACE ONE OR MORE LEADS IN TISSUE TO ELECTRICALLY STIMULATE NERVES OF PASSAGE TO TREAT PAIN	EP	PCT	Published	13866258.0	06-Dec-2013		
SYSTEMS AND METHODS TO PLACE ONE OR MORE LEADS IN TISSUE TO ELECTRICALLY STIMULATE NERVES OF PASSAGE TO TREAT PAIN	US	ORD	Published	13/605,653	06-Sep-2012		
SYSTEMS AND METHODS TO PLACE ONE OR MORE LEADS IN TISSUE TO ELECTRICALLY STIMULATE NERVES OF PASSAGE TO TREAT PAIN	US	ORD	Published	13/294,875	11-Nov-2011		

Title	Country	Case Type	Application Status	Application Number	Filing Date	Patent Number	Issue Date
SYSTEMS AND METHODS TO PLACE ONE OR MORE LEADS IN TISSUES TO ELECTRICALLY STIMULATE NERVES OF PASSAGE TO TREAT PAIN	CA	PCT	Published	2,761,278	07-Dec-2009		
THERAPEUTIC METHODS AND SYSTEMS FOR NEUROPATHIC PAIN	US	PRO	Pending	62/553,159	01-Sep-2017		
TREATMENT OF SHOULDER DYSFUNCTION USING A PERCUTANEOUS INTRAMUSCULAR STIMULATION SYSTEM	US	CIP	Granted	10/138,791	03-May-2002	6,845,271	18-Jan-2005
TREATMENT OF SHOULDER DYSFUNCTION USING A PERCUTANEOUS INTRAMUSCULAR STIMULATION SYSTEM	US	CON	Granted	11/982,789	05-Nov-2007	8,249,713	21-Aug-2012
DEVICES, SYSTEMS & METHODS EMPLOYING A MOLDED NERVE CUFF ELECTRODE	US	ORD	Granted	11/196,995	04-Aug-2005	7,797,058	14-Sep-2010
DEVICES, SYSTEMS AND METHODS EMPLOYING A MOLDED NERVE CUFF ELECTRODE	US	PRI	Granted	11/653,578	16-Jan-2007	7,996,092	09-Aug-2011
ELECTRICAL CONTROLLER	US	DES	Granted	29/388,993	05-Apr-2011	D683,320	28-May-2013
ELECTRICAL STIMULATOR	AU	DES	Granted	14659/2010	27-Oct-2010	334361	24-Dec-2010
ELECTRICAL STIMULATOR	AU	DES	Granted	14650-2010	27-Oct-2010	334360	24-Dec-2010
ELECTRICAL STIMULATOR	CA	DES	Granted	137673	26-Oct-2010	137673	04-Jan-2013
ELECTRICAL STIMULATOR	EM	DES	Granted	1242606-0001	26-Oct-2010	1242606-1	27-Oct-2010
ELECTRICAL STIMULATOR	EM	DES	Granted	1242606-0002	26-Oct-2010	1242606-2	27-Oct-2010
ELECTRICAL STIMULATOR	US	DES	Granted	29/349,721	27-Apr-2010	D674,105	08-Jan-2013
ELECTRICAL STIMULATOR	US	DCN	Granted	29/372,173	25-Oct-2010	D658,304	24-Apr-2012
ELECTRICAL STIMULATOR AND MOUNTING PATCH ASSEMBLY	US	DES	Granted	29/388,996	05-Apr-2011	D665,085	07-Aug-2012
ELECTRICAL STIMULATOR FOR PERIPHERAL STIMULATION	AU	PCT	Pending	2015353373	27-Nov-2015		
ELECTRICAL STIMULATOR FOR PERIPHERAL STIMULATION	CN	PCT	Pending	201580073558.5	27-Nov-2015		
ELECTRICAL STIMULATOR FOR PERIPHERAL STIMULATION	EP	PCT	Pending	15805090.6	27-Nov-2015		
ELECTRICAL STIMULATOR FOR PERIPHERAL	US	ORD	Published	14/953,099	27-Nov-2015		

Title	Country	Case Type	Application Status	Application Number	Filing Date	Patent Number	Issue Date
STIMULATION							
PORTABLE ASSEMBLIES SYSTEMS AND METHODS FOR PROVIDING FUNCTIONAL OR THERAPEUTIC NEUROSTIMULATION	CA	ORD	Granted	2,732,732	03-Aug-2009	2,732,732	12-Apr-2016
PORTABLE ASSEMBLIES SYSTEMS AND METHODS FOR PROVIDING FUNCTIONAL OR THERAPEUTIC NEUROSTIMULATION	DE	EPC	Granted	09803285.7	03-Aug-2009	6020090363 87.5	17-Feb-2016
PORTABLE ASSEMBLIES SYSTEMS AND METHODS FOR PROVIDING FUNCTIONAL OR THERAPEUTIC NEUROSTIMULATION	FR	EPC	Granted	09803285.7	03-Aug-2009	2318088	17-Feb-2016
PORTABLE ASSEMBLIES SYSTEMS AND METHODS FOR PROVIDING FUNCTIONAL OR THERAPEUTIC NEUROSTIMULATION	GB	EPC	Granted	09803285.7	03-Aug-2009	2318088	17-Feb-2016
PORTABLE ASSEMBLIES SYSTEMS AND METHODS FOR PROVIDING FUNCTIONAL OR THERAPEUTIC NEUROSTIMULATION	JP	ORD	Granted	2011-521131	03-Aug-2009	5676445	09-Jan-2015
PORTABLE ASSEMBLIES SYSTEMS AND METHODS FOR PROVIDING FUNCTIONAL OR THERAPEUTIC NEUROSTIMULATION	US	DIV	Published	13/913,798	10-Jun-2013		
PORTABLE ASSEMBLIES SYSTEMS AND METHODS FOR PROVIDING FUNCTIONAL OR THERAPEUTIC NEUROSTIMULATION	US	ORD	Granted	12/462,384	03-Aug-2009	8,463,383	11-Jun-2013
Portable assemblies, systems, and methods for providing functional or therapeutic neurostimulation	AU	ORD	Granted	2009277036	03-Aug-2009	2009277036	16-Jun-2016

Title	Country	Case Type	Application Status	Application Number	Filing Date	Patent Number	Issue Date
PORTABLE PERCUTANEOUS ASSEMBLIES, SYSTEMS AND METHODS FOR PROVIDING HIGHLY SELECTIVE FUNCTIONAL OR THERAPEUTIC NEUROMUSCULAR STIMULATION	AU	PCT	Granted	2005214041	11-Feb-2005	2005214041	
PORTABLE PERCUTANEOUS ASSEMBLIES, SYSTEMS AND METHODS FOR PROVIDING HIGHLY SELECTIVE FUNCTIONAL OR THERAPEUTIC NEUROMUSCULAR STIMULATION	CA	PCT	Granted	2,554,676	11-Feb-2005	2,554,676	11-Feb-2015
PORTABLE PERCUTANEOUS ASSEMBLIES, SYSTEMS AND METHODS FOR PROVIDING HIGHLY SELECTIVE FUNCTIONAL OR THERAPEUTIC NEUROMUSCULAR STIMULATION	DE	PCT	Granted	05713370.4	11-Feb-2005	1720606	17-Aug-2011
PORTABLE PERCUTANEOUS ASSEMBLIES, SYSTEMS AND METHODS FOR PROVIDING HIGHLY SELECTIVE FUNCTIONAL OR THERAPEUTIC NEUROMUSCULAR STIMULATION	EP	PCT	Granted	05713370.4	11-Feb-2005	1720606	17-Aug-2011
PORTABLE PERCUTANEOUS ASSEMBLIES, SYSTEMS AND METHODS FOR PROVIDING HIGHLY SELECTIVE FUNCTIONAL OR THERAPEUTIC NEUROMUSCULAR STIMULATION	ES	PCT	Granted	05713370.4	11-Feb-2005	1720606	17-Aug-2011
PORTABLE PERCUTANEOUS ASSEMBLIES, SYSTEMS AND METHODS FOR PROVIDING HIGHLY SELECTIVE FUNCTIONAL OR THERAPEUTIC NEUROMUSCULAR STIMULATION	FR	PCT	Granted	05713370.4	11-Feb-2005	1720606	17-Aug-2011
PORTABLE PERCUTANEOUS ASSEMBLIES, SYSTEMS AND METHODS FOR PROVIDING HIGHLY SELECTIVE FUNCTIONAL	GB	PCT	Granted	05713370.4	11-Feb-2005	1720606	17-Aug-2011

Title	Country	Case Type	Application Status	Application Number	Filing Date	Patent Number	Issue Date
OR THERAPEUTIC NEUROMUSCULAR STIMULATION							
PORTABLE PERCUTANEOUS ASSEMBLIES, SYSTEMS AND METHODS FOR PROVIDING HIGHLY SELECTIVE FUNCTIONAL OR THERAPEUTIC NEUROMUSCULAR STIMULATION	HK	REP	Granted	07104735.5	04-May-2007	1098715	16-Mar-2012
PORTABLE PERCUTANEOUS ASSEMBLIES, SYSTEMS AND METHODS FOR PROVIDING HIGHLY SELECTIVE FUNCTIONAL OR THERAPEUTIC NEUROMUSCULAR STIMULATION	IT	PCT	Granted	057133700.4	11-Feb-2005	1720606	17-Aug-2011
PORTABLE PERCUTANEOUS ASSEMBLIES, SYSTEMS AND METHODS FOR PROVIDING HIGHLY SELECTIVE FUNCTIONAL OR THERAPEUTIC NEUROMUSCULAR STIMULATION	JP	DIV	Granted	2006-275853	11-Feb-2005	4125339	16-May-2008
PORTABLE PERCUTANEOUS ASSEMBLIES, SYSTEMS AND METHODS FOR PROVIDING HIGHLY SELECTIVE FUNCTIONAL OR THERAPEUTIC NEUROMUSCULAR STIMULATION	JP	DIV	Granted	2007-146323	11-Feb-2005	4125357	16-May-2008
PORTABLE PERCUTANEOUS ASSEMBLIES, SYSTEMS AND METHODS FOR PROVIDING HIGHLY SELECTIVE FUNCTIONAL OR THERAPEUTIC NEUROMUSCULAR STIMULATION	US	PRI	Granted	10/777,771	12-Feb-2004	7,120,499	10-Oct-2006
PORTABLE PERCUTANEOUS ASSEMBLIES, SYSTEMS AND METHODS FOR PROVIDING HIGHLY SELECTIVE FUNCTIONAL OR THERAPEUTIC NEUROMUSCULAR STIMULATION	US	CIP	Granted	11/056,591	11-Feb-2005	7,376,467	20-May-2008

Title	Country	Case Type	Application Status	Application Number	Filing Date	Patent Number	Issue Date
PORTABLE PERCUTANEOUS ASSEMBLIES, SYSTEMS AND METHODS FOR PROVIDING HIGHLY SELECTIVE FUNCTIONAL OR THERAPEUTIC NEUROMUSCULAR STIMULATION	US	CON	Granted	11/545,339	10-Oct-2006	7,571,002	04-Aug-2009
PORTABLE PERCUTANEOUS ASSEMBLIES, SYSTEMS AND METHODS FOR PROVIDING HIGHLY SELECTIVE FUNCTIONAL OR THERAPEUTIC NEUROMUSCULAR STIMULATION	US	CIP	Granted	11/595,556	10-Nov-2006	8,086,318	27-Dec-2011
SYSTEMS AND METHODS FOR PERCUTANEOUS ELECTRICAL STIMULATION	AU	PCT	Granted	2011248594	27-Apr-2011	2011248594	29-Oct-2015
SYSTEMS AND METHODS FOR PERCUTANEOUS ELECTRICAL STIMULATION	CA	PCT	Published	2,797,690	27-Apr-2011		
SYSTEMS AND METHODS FOR PERCUTANEOUS ELECTRICAL STIMULATION	EP	PCT	Published	11777968.6	27-Apr-2011		
SYSTEMS AND METHODS FOR PROVIDING PERCUTANEOUS ELECTRICAL STIMULATION	US	CON	Granted	14/210,596	14-Mar-2014	9,339,647	17-May-2016
SYSTEMS AND METHODS FOR PROVIDING PERCUTANEOUS ELECTRICAL STIMULATION	US	ORD	Granted	13/440,784	05-Apr-2012	8,700,177	15-Apr-2014
SYSTEMS AND METHODS OF COUPLING ELECTRICAL CONDUCTORS	CN	PCT	Granted	1180065946.0	10-Nov-2011	ZL201180065946.0	14-Dec-2016
SYSTEMS AND METHODS OF COUPLING ELECTRICAL CONDUCTORS	US	PRI	Granted	12/958,077	01-Dec-2010	8,079,865	20-Dec-2011
SYSTEMS AND METHODS OF COUPLING ELECTRICAL CONDUCTORS	US	CON	Granted	13/330,885	20-Dec-2011	8,231,402	31-Jul-2012
SYSTEMS AND METHODS OF COUPLING ELECTRICAL CONDUCTORS	US	CON	Granted	13/562,576	31-Jul-2012	8,357,006	22-Jan-2013
SYSTEMS AND METHODS OF COUPLING ELECTRICAL CONDUCTORS	US	CON	Granted	13/746,064	21-Jan-2013	8,616,913	31-Dec-2013

Schedule 2 – Trademark Registrations and Applications

Trademark Name	Country	Status	Application No.	Filing Date	Registration No.	Registration Date
SMARTPATCH	US	Registered	85/175,757	12-Nov-2010	4,151,848	29-May-2012
SPR	US	Registered	77/980,957	25-Sep-2008	3,915,196	01-Feb-2011
SPR	US	Registered	77/578,547	25-Sep-2008	4,283,225	29-Jan-2013
SPR & Design	US	Registered	77/981,700	02-Mar-2010	3,967,556	24-May-2011
SPR & Design	US	Registered	77/948,272	02-Mar-2010	4,459,384	31-Dec-2013
SPRINT	US	Registered	86/527,376	06-Feb-2015	5,200,407	09-May-2017
MARATHON	US	Pending	87/456,903	19-May-2017		
MICROPULSE	US	Registered	78/581,524	07-Mar-2005	3,178,728	28-Nov-2006
NDI	US	Registered	78/618,710	28-Apr-2005	3,835,111	17-Aug-2010
NDI & Design	US	Registered	78/965,039	31-Aug-2006	3,835,127	17-Aug-2010
MICROPULSE	US	Registered	85/926,274	08-May-2013	4,619,461	14-Oct-2014

Schedule 3 – Copyright Registrations and Applications

None.

Schedule 4 – Licensed Intellectual Property

None.

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