

## TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

ETAS ID: TM388805

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT		
<b>NATURE OF CONVEYANCE:</b>	RELEASE OF SECURITY INTEREST		
<b>CONVEYING PARTY DATA</b>			
<b>Name</b>	<b>Formerly</b>	<b>Execution Date</b>	<b>Entity Type</b>
Manufacturers and Traders Trust Company		04/18/2016	Corporation:
<b>RECEIVING PARTY DATA</b>			
<b>Name:</b>	Greatbatch Ltd.		
<b>Street Address:</b>	10000 Wehrle Drive		
<b>City:</b>	Clarence		
<b>State/Country:</b>	NEW YORK		
<b>Postal Code:</b>	14031		
<b>Entity Type:</b>	Corporation: NEW YORK		
<b>Name:</b>	QIG Group LLC		
<b>Street Address:</b>	5830 N. GRANITE PARKWAY STE. 1100		
<b>City:</b>	PLANO		
<b>State/Country:</b>	TEXAS		
<b>Postal Code:</b>	75024		
<b>Entity Type:</b>	Limited Liability Company: DELAWARE		
<b>Name:</b>	NeuroNexus Technologies, Inc.		
<b>Street Address:</b>	30600 TELEGRAPH ROAD		
<b>City:</b>	BINGHAM FARMS		
<b>State/Country:</b>	MICHIGAN		
<b>Postal Code:</b>	48025		
<b>Entity Type:</b>	Corporation: MICHIGAN		
<b>Name:</b>	Micro Power Electronics, Inc.		
<b>Street Address:</b>	13955 SW Millikan Way		
<b>City:</b>	Beaverton		
<b>State/Country:</b>	OREGON		
<b>Postal Code:</b>	97005		
<b>Entity Type:</b>	Corporation: DELAWARE		
<b>Name:</b>	Electrochem Solutions, Inc.		
<b>Street Address:</b>	10000 Wehrle Dr.		
<b>City:</b>	Clarence		

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State/Country:	NEW YORK
Postal Code:	14031
Entity Type:	Corporation: DELAWARE
Name:	Greatbatch Inc.
Street Address:	10000 Wehrle Drive
City:	Clarence
State/Country:	NEW YORK
Postal Code:	14031
Entity Type:	Corporation: DELAWARE

**PROPERTY NUMBERS Total: 23**

Property Type	Number	Word Mark
Serial Number:	77156435	NEURONEXUS
Serial Number:	77683929	QIG
Serial Number:	85668208	CARDIOMONIX
Serial Number:	85712157	QIG
Serial Number:	85790485	ALG STIM
Serial Number:	85790611	ALGOSTIM
Serial Number:	85797132	PELVISTIM
Serial Number:	85882415	CASP
Serial Number:	85885671	NEURONEXUS
Serial Number:	86075591	ALGOVITA
Serial Number:	86130402	MATRIX ARRAY
Serial Number:	86130428	SMARTPROBE
Serial Number:	86279466	VITAPRIME
Serial Number:	86279529	VITACOIL
Serial Number:	86279553	VITALOCK
Serial Number:	86279568	VITASTRETCH
Serial Number:	86279600	VITAFOB
Serial Number:	86279614	VITATOUGH
Serial Number:	86438286	DEFINEOS
Serial Number:	86438305	NUVECTRA
Serial Number:	86674276	ALGOSTIM, LLC
Serial Number:	86853931	VECTOR ARRAY
Serial Number:	86854005	SMARTBOX

**CORRESPONDENCE DATA**

**Fax Number:**

*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.*

**TRADEMARK**

**REEL: 005818 FRAME: 0576**

**Email:** ipdocketing@hodgsonruss.com  
**Correspondent Name:** HODGSON RUSS LLP  
**Address Line 1:** 140 Pearl Street, Suite 100  
**Address Line 4:** Buffalo, NEW YORK 14202

**ATTORNEY DOCKET NUMBER:** 004645.01273

**NAME OF SUBMITTER:** Jordan Walbesser

**SIGNATURE:** /Jordan L. Walbesser, Reg.# 67,761/

**DATE SIGNED:** 06/22/2016

**Total Attachments: 19**

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**NOTICE OF RELEASE OF  
SECURITY INTEREST IN PATENTS AND TRADEMARKS**

Effective Date: March 14, 2016

**Background**

Greatbatch Ltd., Greatbatch Inc., QIG Group LLC, NeuroNexus Technologies, Inc., Micro Power Electronics, Inc., and/or Electrochem Solutions, Inc. ("Grantors") granted to Manufacturers and Traders Trust Company ("M&T"), a security interest in:

- all right, title and interest of Grantors in and to the trademark registrations and applications listed on Schedule A hereto together with the goodwill of the business symbolized by such trademark registrations and applications (the "Trademarks"); and
- all right, title and interest of Grantors in and to the patents and applications listed on Schedule B (the "Patents").

**Partial Release**

M&T wishes to provide a document suitable for recording in the United States Patent and Trademark Office indicating the release, relinquishment and discharge of any and all security interest in the Trademarks and Patents, including but not limited to all security interests in the Patents and Trademarks set forth in:

- the Patent Security Agreements recorded in the United States Patent and Trademark Office on:
  - October 27, 2015, at Reel/Frame 36980/482; and
  - September 20, 2013, at Reel/Frame 31290/278, and
- the Trademark Security Agreements recorded in the United States Patent and Trademark Office on:
  - October 27, 2015, at Reel/Frame 5653/0918;
  - June 24, 2011, at Reel/Frame 4571/0390; and
  - November 22, 2007, at Reel/Frame 3728/0904.

In consideration of and in exchange for good and valuable consideration, the receipt and legal sufficiency of which are hereby acknowledged, M&T did and hereby does relinquish, release and discharge its security interest in the Trademarks and Patents.

[Signature Page Follows]

The undersigned has executed this Notice of Release of Security Interest in Patents and Trademarks as of the Effective Date written above.

Manufacturers and Traders Trust Company

By: Michael J. Prendergast  
Name: Michael J. Prendergast  
Title: Vice President  
Date: 4/8/16

## Schedule A

Serial Number	Reg. Number	Mark
77/156,435	3,740,370	NEURONEXUS
77/683,929		QIG
85/668,208		CARDIOMONIX
85/712,157		QIG
85/790,485		ALGOSTIM
85/790,611		ALGOSTIM
85/797,132		PELVISTIM
85/882,415		CASP
85/885,671	4,504,276	NEURONEXUS (LOGO)
86/075,591	4,700,753	ALGOVITA
86/130,402		MATRIX ARRAY
86/130,428		SMARTPROBE
86/279,466		VITAPRIME
86/279,529		VITACOIL
86/279,553		VITALOCK
86/279,568		VITASTRETCH
86/279,600		VITAFOB
86/279,614		VITATOUCH
86/438,286		DEFINEOS
86/438,305		NUVECTRA
86/674,276		ALGOSTIM, LLC
86/853,931		VECTOR ARRAY
86/854,005		SMARTBOX



# Schedule B

✓ APPLICATION NUMBER: 11959730 FILING DATE: 12/19/2007  
PATENT NUMBER: 8160719 ISSUE DATE: 04/17/2012  
TITLE: BRAIDED ELECTRICAL LEAD

✓ APPLICATION NUMBER: 12146961 FILING DATE: 06/26/2008  
PATENT NUMBER: 8090450 ISSUE DATE: 01/03/2012  
TITLE: PERCUTANEOUS ELECTRODE ARRAY AND SYSTEM

✓ APPLICATION NUMBER: 12492645 FILING DATE: 06/26/2009  
PATENT NUMBER: 7957818 ISSUE DATE: 06/07/2011  
TITLE: STIMULATION LEAD DESIGN AND METHOD OF MANUFACTURE

✓ APPLICATION NUMBER: 12506282 FILING DATE: 07/21/2009  
PATENT NUMBER: 8634932 ISSUE DATE: 01/21/2014  
TITLE: MINIMALLY INVASIVE METHODS FOR IMPLANTING A SACRAL STIMULATION LEAD

✓ APPLICATION NUMBER: 12623908 FILING DATE: 11/23/2009  
PATENT NUMBER: 8515558 ISSUE DATE: 08/20/2013  
TITLE: ANCHORING MECHANISM FOR AN IMPLANTABLE STIMULATION LEAD

✓ APPLICATION NUMBER: 12637131 FILING DATE: 12/14/2009  
PATENT NUMBER: 8874235 ISSUE DATE: 10/28/2014  
TITLE: SELF FIXING SPINAL CORD STIMULATION PADDLE LEAD

✓ APPLICATION NUMBER: 12818207 FILING DATE: 06/18/2010  
PATENT NUMBER: 8649878 ISSUE DATE: 02/11/2014  
TITLE: TEMPORARY STIMULATION LEAD WITH POLYMER ELECTRODES AND METHOD OF MANUFACTURE

✓ APPLICATION NUMBER: 12833061 FILING DATE: 07/09/2010  
PATENT NUMBER: 8958891 ISSUE DATE: 02/17/2015  
TITLE: REINFORCED SUTURE SLEEVE

✓ APPLICATION NUMBER: 13045779 FILING DATE: 03/11/2011  
PATENT NUMBER: 8428724 ISSUE DATE: 04/23/2013  
TITLE: LOW INSERTION FORCE ELECTRICAL CONNECTOR FOR IMPLANTABLE MEDICAL DEVICES

✓ APPLICATION NUMBER: 13045874 FILING DATE: 03/11/2011  
PATENT NUMBER: 8483845 ISSUE DATE: 07/09/2013  
TITLE: ANCHOR FOR IMPLANTABLE MEDICAL DEVICE

✓ APPLICATION NUMBER: 13045908 FILING DATE: 03/11/2011  
PATENT NUMBER: 8543223 ISSUE DATE: 09/24/2013  
TITLE: IMPLANTABLE LEAD WITH BRAIDED CONDUCTORS

✓ APPLICATION NUMBER: 13045947 FILING DATE: 03/11/2011  
PATENT NUMBER: 8849418 ISSUE DATE: 09/30/2014  
TITLE: ANCHOR SLEEVE FOR IMPLANTABLE LEAD

✓ APPLICATION NUMBER: 13046144 FILING DATE: 03/11/2011  
PATENT NUMBER: ISSUE DATE:  
TITLE: TUNNELING TOOL FOR IMPLANTABLE LEADS

✓ APPLICATION NUMBER: 13046182 FILING DATE: 03/11/2011  
PATENT NUMBER: 8437846 ISSUE DATE: 05/07/2013  
TITLE: PRE-SUTURED ANCHOR FOR IMPLANTABLE LEADS



# Schedule B

APPLICATION NUMBER: 13053640 FILING DATE: 03/22/2011  
PATENT NUMBER: 9166321 ISSUE DATE: 10/20/2015  
TITLE: THIN PROFILE STACKED LAYER CONTACT

APPLICATION NUMBER: 13074358 FILING DATE: 03/29/2011  
PATENT NUMBER: 8369951 ISSUE DATE: 02/05/2013  
TITLE: FEED-THROUGH CONNECTOR ASSEMBLY FOR IMPLANTABLE PULSE GENERATOR AND METHOD OF USE

APPLICATION NUMBER: 13081836 FILING DATE: 04/07/2011  
PATENT NUMBER: 8738141 ISSUE DATE: 05/27/2014  
TITLE: CONTACT ASSEMBLY FOR IMPLANTABLE PULSE GENERATOR AND METHOD OF USE

APPLICATION NUMBER: 13081896 FILING DATE: 04/07/2011  
PATENT NUMBER: 8996115 ISSUE DATE: 03/31/2015  
TITLE: CHARGE BALANCING FOR ARBITRARY WAVEFORM GENERATOR & NEURAL STIMULATION APPLICATION

APPLICATION NUMBER: 13081936 FILING DATE: 04/07/2011  
PATENT NUMBER: 8874219 ISSUE DATE: 10/28/2014  
TITLE: ARBITRARY WAVEFORM GENERATOR & NEURAL STIMULATION APPLICATION

APPLICATION NUMBER: 13082097 FILING DATE: 04/07/2011  
PATENT NUMBER: 8996117 ISSUE DATE: 03/31/2015  
TITLE: ARBITRARY WAVEFORM GENERATOR & NEURAL STIMULATION APPLICATION WITH SCALABLE WAVEFORM FEATURE

APPLICATION NUMBER: 13098071 FILING DATE: 04/29/2011  
PATENT NUMBER: 8515545 ISSUE DATE: 08/20/2013  
TITLE: CURRENT STEERING NEUROSTIMULATOR DEVICE WITH UNIDIRECTIONAL CURRENT SOURCES

APPLICATION NUMBER: 13110466 FILING DATE: 05/18/2011  
PATENT NUMBER: 9101767 ISSUE DATE: 08/11/2015  
TITLE: MEASURING LOAD IMPEDANCE WITH ACTIVE STIMULATION PULSES IN AN IMPLANTED PULSE GENERATOR

APPLICATION NUMBER: 13118764 FILING DATE: 05/31/2011  
PATENT NUMBER: 9144680 ISSUE DATE: 09/29/2015  
TITLE: SYSTEM AND METHOD OF ESTABLISHING A PROTOCOL FOR PROVIDING ELECTRICAL STIMULATION WITH A STIMULATION SYSTEM TO TREAT A PATIENT

APPLICATION NUMBER: 13118775 FILING DATE: 05/31/2011  
PATENT NUMBER: 9072903 ISSUE DATE: 07/07/2015  
TITLE: SYSTEM AND METHOD OF ESTABLISHING A PROTOCOL FOR PROVIDING ELECTRICAL STIMULATION WITH A STIMULATION SYSTEM TO TREAT A PATIENT

APPLICATION NUMBER: 13118781 FILING DATE: 05/31/2011  
PATENT NUMBER: 9126043 ISSUE DATE: 09/08/2015  
TITLE: PATIENT HANDHELD DEVICE FOR USE WITH A SPINAL CORD STIMULATION SYSTEM

APPLICATION NUMBER: 13164942 FILING DATE: 06/21/2011  
PATENT NUMBER: 8676341 ISSUE DATE: 03/18/2014  
TITLE: MULTI DUROMETER REINFORCED SUTURE SLEEVE

# Schedule B

✓ APPLICATION NUMBER: 13170558 FILING DATE: 06/28/2011  
✓ PATENT NUMBER: 8954148 ISSUE DATE: 02/10/2015  
✓ TITLE: KEY FOB CONTROLLER FOR AN IMPLANTABLE NEUROSTIMULATOR

✓ APPLICATION NUMBER: 13170775 FILING DATE: 06/28/2011  
✓ PATENT NUMBER: ISSUE DATE:  
✓ TITLE: DUAL PATIENT CONTROLLERS

✓ APPLICATION NUMBER: 13174113 FILING DATE: 06/30/2011  
✓ PATENT NUMBER: 8798768 ISSUE DATE: 08/05/2014  
✓ TITLE: ELECTRICALLY IDENTIFIABLE ELECTRODE LEAD AND METHOD OF  
ELECTRICALLY IDENTIFYING AN ELECTRODE LEAD

✓ APPLICATION NUMBER: 13175283 FILING DATE: 07/01/2011  
✓ PATENT NUMBER: 8571667 ISSUE DATE: 10/29/2013  
✓ TITLE: ACTIVE CURRENT CONTROL USING THE ENCLOSURE OF AN IMPLANTED PULSE  
GENERATOR

✓ APPLICATION NUMBER: 13185636 FILING DATE: 07/19/2011  
✓ PATENT NUMBER: 8700175 ISSUE DATE: 04/15/2014  
✓ TITLE: DEVICES AND METHODS FOR VISUALLY INDICATING THE ALIGNMENT OF A  
TRANSCUTANEOUS ENERGY TRANSFER DEVICE OVER AN IMPLANTED MEDICAL  
DEVICE

✓ APPLICATION NUMBER: 13220913 FILING DATE: 08/30/2011  
✓ PATENT NUMBER: 8560084 ISSUE DATE: 10/15/2013  
✓ TITLE: LEAD BODY WITH INNER AND OUTER CO-AXIAL COILS

✓ APPLICATION NUMBER: 13222018 FILING DATE: 08/31/2011  
✓ PATENT NUMBER: 8721659 ISSUE DATE: 05/13/2014  
✓ TITLE: ADJUSTABLE WIRE LENGTH STYLET HANDLE

✓ APPLICATION NUMBER: 13222330 FILING DATE: 08/31/2011  
✓ PATENT NUMBER: 8473074 ISSUE DATE: 06/25/2013  
✓ TITLE: LEAD IDENTIFICATION SYSTEM

✓ APPLICATION NUMBER: 13226897 FILING DATE: 09/07/2011  
✓ PATENT NUMBER: 8781592 ISSUE DATE: 07/15/2014  
✓ TITLE: IDENTIFYING AN AREA FOR ELECTRICAL STIMULATION TO TREAT A  
PATIENT

✓ APPLICATION NUMBER: 13226939 FILING DATE: 09/07/2011  
✓ PATENT NUMBER: 9174048 ISSUE DATE: 11/03/2015  
✓ TITLE: POSITIONING LEADS ON PATIENT MODEL USING A GRAPHICAL USER  
INTERFACE

✓ APPLICATION NUMBER: 13226956 FILING DATE: 09/07/2011  
✓ PATENT NUMBER: ISSUE DATE:  
✓ TITLE: CONFIGURING ELECTRICAL STIMULATION TO TREAT A PATIENT

✓ APPLICATION NUMBER: 13226969 FILING DATE: 09/07/2011  
✓ PATENT NUMBER: 8483836 ISSUE DATE: 07/09/2013  
✓ TITLE: AUTOMATED SEARCH TO IDENTIFY A LOCATION FOR ELECTRICAL  
STIMULATION TO TREAT A PATIENT

✓ APPLICATION NUMBER: 13250283 FILING DATE: 09/30/2011  
✓ PATENT NUMBER: ISSUE DATE:  
✓ TITLE: MEDICAL IMPLANT RANGE EXTENSION BRIDGE APPARATUS AND METHOD

# Schedule B

APPLICATION NUMBER: 13303219 FILING DATE: 11/23/2011  
PATENT NUMBER: ISSUE DATE:  
TITLE: PRINTED CIRCUIT BOARD CONNECTION TO FEEDTHROUGH

APPLICATION NUMBER: 13334361 FILING DATE: 12/22/2011  
PATENT NUMBER: 9098610 ISSUE DATE: 08/04/2015  
TITLE: COMMUNICATION FOR IMPLANTABLE MEDICAL DEVICES

APPLICATION NUMBER: 13359652 FILING DATE: 01/27/2012  
PATENT NUMBER: ISSUE DATE:  
TITLE: SUPERPLASTIC FORMING FOR TITANIUM IMPLANT ENCLOSURES

APPLICATION NUMBER: 13359739 FILING DATE: 01/27/2012  
PATENT NUMBER: ISSUE DATE:  
TITLE: HEAT DISPERSION FOR IMPLANTABLE MEDICAL DEVICES

APPLICATION NUMBER: 13359861 FILING DATE: 01/27/2012  
PATENT NUMBER: 9138586 ISSUE DATE: 09/22/2015  
TITLE: CONTACT BLOCK USING SPHERICAL ELECTRICAL CONTACTS FOR  
ELECTRICALLY CONTACTING IMPLANTABLE LEADS

APPLICATION NUMBER: 13359954 FILING DATE: 01/27/2012  
PATENT NUMBER: ISSUE DATE:  
TITLE: FEED-THROUGH CONNECTOR ASSEMBLY FOR IMPLANTABLE PULSE GENERATOR  
AND METHOD OF USE

APPLICATION NUMBER: 13366705 FILING DATE: 02/06/2012  
PATENT NUMBER: ISSUE DATE:  
TITLE: PAIRED COMMUNICATION BETWEEN AN IMPLANTED MEDICAL DEVICE AND AN  
EXTERNAL CONTROL DEVICE

APPLICATION NUMBER: 13442283 FILING DATE: 04/09/2012  
PATENT NUMBER: 9002466 ISSUE DATE: 04/07/2015  
TITLE: DIVERSITY ANTENNAS FOR NEUROSTIMULATOR PROGRAMMING DEVICES

APPLICATION NUMBER: 13445204 FILING DATE: 04/12/2012  
PATENT NUMBER: 8688232 ISSUE DATE: 04/01/2014  
TITLE: MULTI-DUROMETER REINFORCED SUTURE SLEEVE

APPLICATION NUMBER: 13490822 FILING DATE: 06/07/2012  
PATENT NUMBER: 9067056 ISSUE DATE: 06/30/2015  
TITLE: LEAD SPACER TOOL

APPLICATION NUMBER: 13537341 FILING DATE: 06/29/2012  
PATENT NUMBER: 9089693 ISSUE DATE: 07/28/2015  
TITLE: LEAD POSITIONING AND FINNED FIXATION SYSTEM

APPLICATION NUMBER: 13537494 FILING DATE: 06/29/2012  
PATENT NUMBER: 8676347 ISSUE DATE: 03/18/2014  
TITLE: BRAIDED LEAD WITH EMBEDDED FIXATION STRUCTURES

APPLICATION NUMBER: 13538074 FILING DATE: 06/29/2012  
PATENT NUMBER: ISSUE DATE:  
TITLE: DYNAMIC COIL FOR IMPLANTABLE STIMULATION LEADS

APPLICATION NUMBER: 13571987 FILING DATE: 08/10/2012  
PATENT NUMBER: 9095700 ISSUE DATE: 08/04/2015  
TITLE: LEAD POSITIONING AND FIXATION SYSTEM

# Schedule B

APPLICATION NUMBER: 13572081 FILING DATE: 08/10/2012  
PATENT NUMBER: 8644953 ISSUE DATE: 02/04/2014  
TITLE: LEAD WITH BRAIDED REINFORCEMENT

APPLICATION NUMBER: 13600684 FILING DATE: 08/31/2012  
PATENT NUMBER: 8812125 ISSUE DATE: 08/19/2014  
TITLE: SYSTEMS AND METHODS FOR THE IDENTIFICATION AND ASSOCIATION OF MEDICAL DEVICES

APPLICATION NUMBER: 13600875 FILING DATE: 08/31/2012  
PATENT NUMBER: 8903496 ISSUE DATE: 12/02/2014  
TITLE: CLINICIAN PROGRAMMING SYSTEM AND METHOD

APPLICATION NUMBER: 13600943 FILING DATE: 08/31/2012  
PATENT NUMBER: ISSUE DATE:  
TITLE: COGNITION AND USABILITY APTITUDE EVALUATIONS FOR CLINICIAN PROGRAMMERS

APPLICATION NUMBER: 13601449 FILING DATE: 08/31/2012  
PATENT NUMBER: ISSUE DATE:  
TITLE: VIRTUAL REALITY REPRESENTATION OF MEDICAL DEVICES

APPLICATION NUMBER: 13601504 FILING DATE: 08/31/2012  
PATENT NUMBER: ISSUE DATE:  
TITLE: TOUCH SCREEN SAFETY CONTROLS FOR CLINICIAN PROGRAMMER

APPLICATION NUMBER: 13601631 FILING DATE: 08/31/2012  
PATENT NUMBER: ISSUE DATE:  
TITLE: PROGRAMMING AND VIRTUAL REALITY REPRESENTATION OF STIMULATION PARAMETER GROUPS

APPLICATION NUMBER: 13604197 FILING DATE: 09/05/2012  
PATENT NUMBER: 8983616 ISSUE DATE: 03/17/2015  
TITLE: METHOD AND SYSTEM FOR ASSOCIATING PATIENT RECORDS WITH PULSE GENERATORS

APPLICATION NUMBER: 13604285 FILING DATE: 09/05/2012  
PATENT NUMBER: 8757485 ISSUE DATE: 06/24/2014  
TITLE: SYSTEM AND METHOD FOR USING CLINICIAN PROGRAMMER AND CLINICIAN PROGRAMMING DATA FOR INVENTORY AND MANUFACTURING PREDICTION AND CONTROL

APPLICATION NUMBER: 13606868 FILING DATE: 09/07/2012  
PATENT NUMBER: 9209634 ISSUE DATE: 12/08/2015  
TITLE: METHOD OF IMPROVING BATTERY RECHARGE EFFICIENCY BY STATISTICAL ANALYSIS

APPLICATION NUMBER: 13606921 FILING DATE: 09/07/2012  
PATENT NUMBER: 9142989 ISSUE DATE: 09/22/2015  
TITLE: METHOD OF MINIMIZING INTERRUPTIONS TO IMPLANTABLE MEDICAL DEVICE RECHARGING

APPLICATION NUMBER: 13607037 FILING DATE: 09/07/2012  
PATENT NUMBER: 9225190 ISSUE DATE: 12/29/2015  
TITLE: IMPLANT CURRENT CONTROLLED BATTERY CHARGING BASED ON TEMPERATURE

APPLICATION NUMBER: 13721348 FILING DATE: 12/20/2012  
PATENT NUMBER: 8494636 ISSUE DATE: 07/23/2013  
TITLE: FEED-THROUGH CONNECTOR ASSEMBLY FOR IMPLANTABLE PULSE GENERATOR AND METHOD OF USE

# Schedule B

APPLICATION NUMBER: 13800729  
PATENT NUMBER:  
TITLE: DUAL PATIENT CONTROLLERS

FILING DATE: 03/13/2013  
ISSUE DATE:

APPLICATION NUMBER: 13828102  
PATENT NUMBER:

FILING DATE: 03/14/2013  
ISSUE DATE:

TITLE: ARBITRARY WAVEFORM GENERATOR & NEURAL STIMULATION APPLICATION WITH SCALABLE WAVEFORM FEATURE AND CHARGE BALANCING

APPLICATION NUMBER: 13857214  
PATENT NUMBER: 8886303

FILING DATE: 04/05/2013  
ISSUE DATE: 11/11/2014

TITLE: PRE-SUTURED ANCHOR FOR IMPLANTABLE LEADS

APPLICATION NUMBER: 13868509  
PATENT NUMBER: 8934974

FILING DATE: 04/23/2013  
ISSUE DATE: 01/13/2015

TITLE: LOW INSERTION FORCE ELECTRICAL CONNECTOR FOR IMPLANTABLE MEDICAL DEVICES

APPLICATION NUMBER: 13898845  
PATENT NUMBER:

FILING DATE: 05/21/2013  
ISSUE DATE:

TITLE: LEAD IDENTIFICATION SYSTEM

APPLICATION NUMBER: 13904252  
PATENT NUMBER: 9259566

FILING DATE: 05/29/2013  
ISSUE DATE: 02/16/2016

TITLE: ANCHOR FOR IMPLANTABLE MEDICAL DEVICE

APPLICATION NUMBER: 13937463  
PATENT NUMBER: 9067074

FILING DATE: 07/09/2013  
ISSUE DATE: 06/30/2015

TITLE: AUTOMATED SEARCH TO IDENTIFY A LOCATION FOR ELECTRICAL STIMULATION TO TREAT A PATIENT

APPLICATION NUMBER: 13943869  
PATENT NUMBER: 9031664

FILING DATE: 07/17/2013  
ISSUE DATE: 05/12/2015

TITLE: CURRENT STEERING NEUROSTIMULATOR DEVICE WITH UNIDIRECTIONAL CURRENT SOURCES

APPLICATION NUMBER: 13973219  
PATENT NUMBER:

FILING DATE: 08/22/2013  
ISSUE DATE:

TITLE: METHOD AND SYSTEM OF PRODUCING 2D REPRESENTATIONS OF 3D PAIN AND STIMULATION MAPS AND IMPLANT MODELS ON A CLINICIAN PROGRAMMER

APPLICATION NUMBER: 13973268  
PATENT NUMBER:

FILING DATE: 08/22/2013  
ISSUE DATE:

TITLE: METHOD AND SYSTEM OF SUGGESTING SPINAL CORD STIMULATION REGION BASED ON PAIN AND STIMULATION MAPS WITH A CLINICIAN PROGRAMMER

APPLICATION NUMBER: 13973292  
PATENT NUMBER:

FILING DATE: 08/22/2013  
ISSUE DATE:

TITLE: METHOD AND SYSTEM OF BRACKETING STIMULATION PARAMETERS ON CLINICIAN PROGRAMMERS

APPLICATION NUMBER: 13973316  
PATENT NUMBER: 9259577

FILING DATE: 08/22/2013  
ISSUE DATE: 02/16/2016

TITLE: METHOD AND SYSTEM OF QUICK NEUROSTIMULATION ELECTRODE CONFIGURATION AND POSITIONING

APPLICATION NUMBER: 13973363  
PATENT NUMBER: 8868199

FILING DATE: 08/22/2013  
ISSUE DATE: 10/21/2014

TITLE: SYSTEM AND METHOD OF COMPRESSING MEDICAL MAPS FOR PULSE GENERATOR OR DATABASE STORAGE

# Schedule B

APPLICATION NUMBER: 14010872 FILING DATE: 08/27/2013  
PATENT NUMBER: ISSUE DATE:  
TITLE: METHOD AND SYSTEM OF MODEL SHADING AND REDUCTION OF VERTICES FOR  
3D IMAGING ON A CLINICIAN PROGRAMMER

APPLICATION NUMBER: 14010913 FILING DATE: 08/27/2013  
PATENT NUMBER: ISSUE DATE:  
TITLE: METHOD AND SYSTEM OF EMULATING A PATIENT PROGRAMMER

APPLICATION NUMBER: 14010942 FILING DATE: 08/27/2013  
PATENT NUMBER: ISSUE DATE:  
TITLE: PREDEFINED INPUT FOR CLINICIAN PROGRAMMER DATA ENTRY

APPLICATION NUMBER: 14011156 FILING DATE: 08/27/2013  
PATENT NUMBER: 9180302 ISSUE DATE: 11/10/2015  
TITLE: TOUCH SCREEN FINGER POSITION INDICATOR FOR A SPINAL CORD  
STIMULATION PROGRAMMING DEVICE

APPLICATION NUMBER: 14015032 FILING DATE: 08/30/2013  
PATENT NUMBER: 8761897 ISSUE DATE: 06/24/2014  
TITLE: METHOD AND SYSTEM OF GRAPHICAL REPRESENTATION OF LEAD CONNECTOR  
BLOCK AND IMPLANTABLE PULSE GENERATORS ON A CLINICIAN PROGRAMMER

APPLICATION NUMBER: 14015107 FILING DATE: 08/30/2013  
PATENT NUMBER: ISSUE DATE:  
TITLE: METHOD AND SYSTEM OF SIMULATING A PULSE GENERATOR ON A CLINICIAN  
PROGRAMMER

APPLICATION NUMBER: 14019653 FILING DATE: 09/06/2013  
PATENT NUMBER: 8738153 ISSUE DATE: 05/27/2014  
TITLE: IMPLANTABLE LEAD WITH BRAIDED CONDUCTORS

APPLICATION NUMBER: 14024668 FILING DATE: 09/12/2013  
PATENT NUMBER: 9002476 ISSUE DATE: 04/07/2015  
TITLE: LEAD BODY WITH INNER AND OUTER CO-AXIAL COILS

APPLICATION NUMBER: 14032316 FILING DATE: 09/20/2013  
PATENT NUMBER: 9068587 ISSUE DATE: 06/30/2015  
TITLE: SET SCREW APPARATUS

APPLICATION NUMBER: 14033592 FILING DATE: 09/23/2013  
PATENT NUMBER: 8781603 ISSUE DATE: 07/15/2014  
TITLE: MINIMALLY INVASIVE METHODS FOR IMPLANTING A SACRAL STIMULATION  
LEAD

APPLICATION NUMBER: 14038833 FILING DATE: 09/27/2013  
PATENT NUMBER: 8761892 ISSUE DATE: 06/24/2014  
TITLE: ACTIVE CURRENT CONTROL USING THE ENCLOSURE OF AN IMPLANTED PULSE  
GENERATOR

APPLICATION NUMBER: 14041082 FILING DATE: 09/30/2013  
PATENT NUMBER: ISSUE DATE:  
TITLE: DIGITAL CONTROL FOR PULSE GENERATORS

APPLICATION NUMBER: 14048962 FILING DATE: 10/08/2013  
PATENT NUMBER: 8942821 ISSUE DATE: 01/27/2015  
TITLE: ELECTRODE PADDLE FOR NEUROSTIMULATION

# Schedule B

✓ APPLICATION NUMBER: 14077239 FILING DATE: 11/12/2013  
PATENT NUMBER: ISSUE DATE:  
TITLE: LEAD WITH BRAIDED REINFORCEMENT

✓ APPLICATION NUMBER: 14083591 FILING DATE: 11/19/2013  
PATENT NUMBER: 8934991 ISSUE DATE: 01/13/2015  
TITLE: MULTI-DUROMETER REINFORCED SUTURE SLEEVE

✓ APPLICATION NUMBER: 14161756 FILING DATE: 01/23/2014  
PATENT NUMBER: ISSUE DATE:  
TITLE: BRAIDED LEAD WITH IMBEDDED FIXATION STRUCTURES

✓ APPLICATION NUMBER: 14166161 FILING DATE: 01/28/2014  
PATENT NUMBER: 8825177 ISSUE DATE: 09/02/2014  
TITLE: TEMPORARY STIMULATION LEAD WITH POLYMER ELECTRODES AND METHOD OF MANUFACTURE

✓ APPLICATION NUMBER: 14171995 FILING DATE: 02/04/2014  
PATENT NUMBER: 8886338 ISSUE DATE: 11/11/2014  
TITLE: MULTI-DUROMETER REINFORCED SUTURE SLEEVE

✓ APPLICATION NUMBER: 14227270 FILING DATE: 03/27/2014  
PATENT NUMBER: ISSUE DATE:  
TITLE: ADJUSTABLE WIRE LENGTH STYLET HANDLE

✓ APPLICATION NUMBER: 14229458 FILING DATE: 03/28/2014  
PATENT NUMBER: ISSUE DATE:  
TITLE: SYSTEM AND METHOD OF DEVELOPING A PROGRAM FOR PROVIDING THERAPEUTIC ELECTRICAL STIMULATION FOR TREATING A PATIENT

✓ APPLICATION NUMBER: 14245225 FILING DATE: 04/04/2014  
PATENT NUMBER: ISSUE DATE:  
TITLE: SYSTEMS, DEVICES, COMPONENTS AND METHODS FOR COMMUNICATING WITH AN IMD USING A PORTABLE ELECTRONIC DEVICE AND A MOBILE COMPUTING DEVICE

✓ APPLICATION NUMBER: 14249425 FILING DATE: 04/10/2014  
PATENT NUMBER: 9031666 ISSUE DATE: 05/12/2015  
TITLE: DEVICES AND METHODS FOR VISUALLY INDICATING THE ALIGNMENT OF A TRANSCUTANEOUS ENERGY TRANSFER DEVICE OVER AN IMPLANTED MEDICAL DEVICE

✓ APPLICATION NUMBER: 14258365 FILING DATE: 04/22/2014  
PATENT NUMBER: 9084881 ISSUE DATE: 07/21/2015  
TITLE: IMPLANTABLE LEAD WITH BRAIDED CONDUCTORS

✓ APPLICATION NUMBER: 14267261 FILING DATE: 05/01/2014  
PATENT NUMBER: ISSUE DATE:  
TITLE: CONTACT ASSEMBLY FOR IMPLANTABLE PULSE GENERATOR AND METHOD OF USE

✓ APPLICATION NUMBER: 14279415 FILING DATE: 05/16/2014  
PATENT NUMBER: ISSUE DATE:  
TITLE: SYSTEM AND METHOD OF PROVIDING COMPUTER ASSISTED STIMULATION PROGRAMMING (CASP)

✓ APPLICATION NUMBER: 14279749 FILING DATE: 05/16/2014  
PATENT NUMBER: ISSUE DATE:  
TITLE: SYSTEM AND METHOD OF DISPLAYING STIMULATION MAP AND PAIN MAP OVERLAP COVERAGE REPRESENTATION

# Schedule B

✓ APPLICATION NUMBER: 14279841 FILING DATE: 05/16/2014  
PATENT NUMBER: ISSUE DATE:  
TITLE: AUTOMATIC CURRENT BALANCING WITH LOCK CONTROL FOR A CLINICIAN PROGRAMMER

✓ APPLICATION NUMBER: 14279881 FILING DATE: 05/16/2014  
PATENT NUMBER: ISSUE DATE:  
TITLE: METHOD AND APPARATUS FOR VISUALIZING A MIGRATION HISTORY OF PAIN MAPS AND STIMULATION MAPS

✓ APPLICATION NUMBER: 14279925 FILING DATE: 05/16/2014  
PATENT NUMBER: ISSUE DATE:  
TITLE: METHOD AND APPARATUS FOR DISPLAYING A GRAPHICAL IMPEDANCE HISTORY FOR OUTPUT CHANNELS OF A LEAD

✓ APPLICATION NUMBER: 14330033 FILING DATE: 07/14/2014  
PATENT NUMBER: 9026227 ISSUE DATE: 05/05/2015  
TITLE: ANCHOR SLEEVE FOR IMPLANTABLE LEAD

✓ APPLICATION NUMBER: 14445382 FILING DATE: 07/29/2014  
PATENT NUMBER: ISSUE DATE:  
TITLE: SUTURE ANCHOR APPARATUS

✓ APPLICATION NUMBER: 14446996 FILING DATE: 07/30/2014  
PATENT NUMBER: ISSUE DATE:  
TITLE: ARBITRARY WAVEFORM GENERATOR & NEURAL STIMULATION APPLICATION

✓ APPLICATION NUMBER: 14451830 FILING DATE: 08/05/2014  
PATENT NUMBER: 9234920 ISSUE DATE: 01/12/2016  
TITLE: ELECTRICALLY IDENTIFIABLE ELECTRODE LEAD AND METHOD OF ELECTRICALLY IDENTIFYING AN ELECTRODE LEAD

✓ APPLICATION NUMBER: 14483233 FILING DATE: 09/11/2014  
PATENT NUMBER: ISSUE DATE:  
TITLE: CONNECTOR APPARATUS FOR A MEDICAL DEVICE

✓ APPLICATION NUMBER: 14514817 FILING DATE: 10/15/2014  
PATENT NUMBER: 9037243 ISSUE DATE: 05/19/2015  
TITLE: LOW INSERTION FORCE ELECTRICAL CONNECTOR FOR IMPLANTABLE MEDICAL DEVICES

✓ APPLICATION NUMBER: 14535386 FILING DATE: 11/07/2014  
PATENT NUMBER: ISSUE DATE:  
TITLE: IMPLANTABLE MEDICAL LEAD FOR STIMULATION OF MULTIPLE NERVES

✓ APPLICATION NUMBER: 14536863 FILING DATE: 11/10/2014  
PATENT NUMBER: ISSUE DATE:  
TITLE: PUDENDAL AND SACRAL NERVE STIMULATION SWEEP ALGORITHM AND METHOD

✓ APPLICATION NUMBER: 14537051 FILING DATE: 11/10/2014  
PATENT NUMBER: ISSUE DATE:  
TITLE: IMPLANTABLE MEDICAL LEAD WITH COLLAPSIBLE FIXATION MEMBER

✓ APPLICATION NUMBER: 14537235 FILING DATE: 11/10/2014  
PATENT NUMBER: ISSUE DATE:  
TITLE: METHODS, SYSTEMS AND DEVICES FOR DETERMINING OPTIMAL PLACEMENT FOR PUDENDAL NERVE STIMULATION LEAD USING PATIENT FEEDBACK



# Schedule B

✓ APPLICATION NUMBER: 14537293 FILING DATE: 11/10/2014  
PATENT NUMBER: ISSUE DATE:  
TITLE: IPG CONFIGURED TO DELIVER DIFFERENT PULSE REGIMES TO DIFFERENT  
LEADS FOR PUDENDAL NERVE STIMULATION

APPLICATION NUMBER: 14552880 FILING DATE: 11/25/2014  
PATENT NUMBER: ISSUE DATE:  
TITLE: CLINICIAN PROGRAMMING SYSTEM AND METHOD

✓ APPLICATION NUMBER: 14595583 FILING DATE: 01/13/2015  
PATENT NUMBER: ISSUE DATE:  
TITLE: RETENTION APPARATUS

✓ APPLICATION NUMBER: 14628318 FILING DATE: 02/23/2015  
PATENT NUMBER: 9248292 ISSUE DATE: 02/02/2016  
TITLE: ARBITRARY WAVEFORM GENERATOR & NEURAL STIMULATION APPLICATION  
WITH SCALABLE WAVEFORM FEATURE

✓ APPLICATION NUMBER: 14670539 FILING DATE: 03/27/2015  
PATENT NUMBER: ISSUE DATE:  
TITLE: DIVERSITY ANTENNAS FOR NEUROSTIMULATOR PROGRAMMING DEVICES

✓ APPLICATION NUMBER: 14703961 FILING DATE: 05/05/2015  
PATENT NUMBER: ISSUE DATE:  
TITLE: DEVICES AND METHODS FOR VISUALLY INDICATING THE ALIGNMENT OF A  
TRANSCUTANEOUS ENERGY TRANSFER DEVICE OVER AN IMPLANTED MEDICAL  
DEVICE

✓ APPLICATION NUMBER: 14712073 FILING DATE: 05/14/2015  
PATENT NUMBER: ISSUE DATE:  
TITLE: LEAD POSITIONING AND FINNED FIXATION SYSTEM

✓ APPLICATION NUMBER: 14715915 FILING DATE: 05/19/2015  
PATENT NUMBER: 9154219 ISSUE DATE: 10/06/2015  
TITLE: COMMUNICATION FOR IMPLANTABLE MEDICAL DEVICES

✓ APPLICATION NUMBER: 14735234 FILING DATE: 06/10/2015  
PATENT NUMBER: ISSUE DATE:  
TITLE: SET SCREW APPARATUS

✓ APPLICATION NUMBER: 14793780 FILING DATE: 07/08/2015  
PATENT NUMBER: ISSUE DATE:  
TITLE: MEASURING LOAD IMPEDANCE WITH ACTIVE STIMULATION PULSES IN AN  
IMPLANTED PULSE GENERATOR

✓ APPLICATION NUMBER: 14810758 FILING DATE: 07/28/2015  
PATENT NUMBER: ISSUE DATE:  
TITLE: PATIENT HANDHELD DEVICE FOR USE WITH A SPINAL CORD STIMULATION  
SYSTEM

✓ APPLICATION NUMBER: 14813457 FILING DATE: 07/30/2015  
PATENT NUMBER: ISSUE DATE:  
TITLE: APPARATUS WITH UNENCAPSULATED REINFORCEMENT

✓ APPLICATION NUMBER: 14926152 FILING DATE: 10/29/2015  
PATENT NUMBER: ISSUE DATE:  
TITLE: TOUCH SCREEN FINGER POSITION INDICATOR FOR A SPINAL CORD  
STIMULATION PROGRAMMING DEVICE

# Schedule B

✓ APPLICATION NUMBER: 14932130 FILING DATE: 11/04/2015  
PATENT NUMBER: ISSUE DATE:  
TITLE: SYSTEMS, METHODS, AND DEVICES FOR GENERATING ARBITRARY  
STIMULATION WAVEFORMS

✓ APPLICATION NUMBER: 14932157 FILING DATE: 11/04/2015  
PATENT NUMBER: ISSUE DATE:  
TITLE: SYSTEMS, METHODS, AND DEVICES FOR PERFORMING ELECTRONICALLY  
CONTROLLED TEST STIMULATION

✓ APPLICATION NUMBER: 14942243 FILING DATE: 11/16/2015  
PATENT NUMBER: ISSUE DATE:  
TITLE: METHOD OF IMPROVING BATTERY RECHARGE EFFICIENCY BY STATISTICAL  
ANALYSIS

✓ APPLICATION NUMBER: 14977768 FILING DATE: 12/22/2015  
PATENT NUMBER: ISSUE DATE:  
TITLE: IMPLANT CURRENT CONTROLLED BATTERY CHARGING BASED ON TEMPERATURE

✓ APPLICATION NUMBER: 14989878 FILING DATE: 01/07/2016  
PATENT NUMBER: ISSUE DATE:  
TITLE: METHOD AND SYSTEM OF QUICK NEUROSTIMULATION ELECTRODE  
CONFIGURATION AND POSITIONING

✓ APPLICATION NUMBER: 29403072 FILING DATE: 09/30/2011  
PATENT NUMBER: D663035 ISSUE DATE: 07/03/2012  
TITLE: TWO-PORT IMPLANTABLE MEDICAL DEVICE

✓ APPLICATION NUMBER: 29403078 FILING DATE: 09/30/2011  
PATENT NUMBER: D665086 ISSUE DATE: 08/07/2012  
TITLE: THREE-PORT IMPLANTABLE MEDICAL DEVICE

APPLICATION NUMBER: 29403085 FILING DATE: 09/30/2011  
PATENT NUMBER: D665087 ISSUE DATE: 08/07/2012  
TITLE: MULTI-PORT IMPLANTABLE MEDICAL DEVICE

APPLICATION NUMBER: 29408300 FILING DATE: 12/09/2011  
PATENT NUMBER: D671900 ISSUE DATE: 12/04/2012  
TITLE: POCKET CONTROLLER

APPLICATION NUMBER: 29423109 FILING DATE: 05/29/2012  
PATENT NUMBER: D698779 ISSUE DATE: 02/04/2014  
TITLE: CLINICIAN PROGRAMMER FOR IMPLANTABLE NEUROSTIMULATOR

APPLICATION NUMBER: 62173118 FILING DATE: 06/09/2015  
PATENT NUMBER: ISSUE DATE:  
TITLE: ADVANCED METHODS AND APPARATUSES FOR PERFORMING PELVIC NERVE  
STIMULATION

APPLICATION NUMBER: 62181827 FILING DATE: 06/19/2015  
PATENT NUMBER: ISSUE DATE:  
TITLE: ADVANCED METHODS AND APPARATUSES FOR PERFORMING PELVIC NERVE  
STIMULATION

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APPLICATION NUMBER: 11545353                      FILING DATE: 10/10/2006  
PATENT NUMBER: 7941202                              ISSUE DATE: 05/10/2011  
TITLE: MODULAR MULTICHANNEL MICROELECTRODE ARRAY AND METHODS OF MAKING  
SAME

APPLICATION NUMBER: 12130828                      FILING DATE: 05/30/2008  
PATENT NUMBER: 8241950                              ISSUE DATE: 08/14/2012  
TITLE: SYSTEM AND METHOD TO MANUFACTURE AN IMPLANTABLE ELECTRODE

✓ APPLICATION NUMBER: 12253796                      FILING DATE: 10/17/2008  
PATENT NUMBER: 8224417                              ISSUE DATE: 07/17/2012  
TITLE: GUIDE TUBE FOR AN IMPLANTABLE DEVICE SYSTEM

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APPLICATION NUMBER: 12253803 FILING DATE: 10/17/2008  
PATENT NUMBER: 8565894 ISSUE DATE: 10/22/2013  
TITLE: THREE-DIMENSIONAL SYSTEM OF ELECTRODE LEADS

APPLICATION NUMBER: 12253813 FILING DATE: 10/17/2008  
PATENT NUMBER: 8958862 ISSUE DATE: 02/17/2015  
TITLE: IMPLANTABLE DEVICE INCLUDING A RESORBABLE CARRIER

APPLICATION NUMBER: 12396107 FILING DATE: 03/02/2009  
PATENT NUMBER: 8498720 ISSUE DATE: 07/30/2013  
TITLE: IMPLANTABLE ELECTRODE AND METHOD OF MAKING THE SAME

APPLICATION NUMBER: 12848828 FILING DATE: 08/02/2010  
PATENT NUMBER: 8332046 ISSUE DATE: 12/11/2012  
TITLE: NEURAL INTERFACE SYSTEM

APPLICATION NUMBER: 12940748 FILING DATE: 11/05/2010  
PATENT NUMBER: 8870857 ISSUE DATE: 10/28/2014  
TITLE: WAVEGUIDE NEURAL INTERFACE DEVICE

APPLICATION NUMBER: 12986081 FILING DATE: 01/06/2011  
PATENT NUMBER: 8800140 ISSUE DATE: 08/12/2014  
TITLE: METHOD OF MAKING A MODULAR MULTICHANNEL MICROELECTRODE ARRAY

APPLICATION NUMBER: 13236973 FILING DATE: 09/20/2011  
PATENT NUMBER: 9155861 ISSUE DATE: 10/13/2015  
TITLE: NEURAL DRUG DELIVERY SYSTEM WITH FLUIDIC THREADS

APPLICATION NUMBER: 13416775 FILING DATE: 03/09/2012  
PATENT NUMBER: 9008747 ISSUE DATE: 04/14/2015  
TITLE: NEURAL INTERFACE SYSTEM WITH AN EDGE ARRAY

APPLICATION NUMBER: 13491358 FILING DATE: 06/07/2012  
PATENT NUMBER: 8805468 ISSUE DATE: 08/12/2014  
TITLE: GUIDE TUBE FOR AN IMPLANTABLE DEVICE SYSTEM

APPLICATION NUMBER: 13524989 FILING DATE: 06/15/2012  
PATENT NUMBER: 8954144 ISSUE DATE: 02/10/2015  
TITLE: HYBRID CLUSTERED NEURAL INTERFACE SYSTEM

APPLICATION NUMBER: 13539766 FILING DATE: 07/02/2012  
PATENT NUMBER: 8658465 ISSUE DATE: 02/25/2014  
TITLE: SYSTEM AND METHOD TO MANUFACTURE AN IMPLANTABLE ELECTRODE

APPLICATION NUMBER: 13556715 FILING DATE: 07/24/2012  
PATENT NUMBER: ISSUE DATE:  
TITLE: NEURAL DEVICE WITH MODULAR ELECTRODE ARRAY

APPLICATION NUMBER: 13557516 FILING DATE: 07/25/2012  
PATENT NUMBER: ISSUE DATE:  
TITLE: OPTO-ELECTRICAL DEVICE FOR ARTIFACT REDUCTION

APPLICATION NUMBER: 13557536 FILING DATE: 07/25/2012  
PATENT NUMBER: ISSUE DATE:  
TITLE: NEUROMODULATION TRANSFECTION SYSTEM WITH ACTIVE FLUID DELIVERY

APPLICATION NUMBER: 13557555 FILING DATE: 07/25/2012  
PATENT NUMBER: ISSUE DATE:  
TITLE: NEUROMODULATION TRANSFECTION SYSTEM WITH PASSIVE FLUID DELIVERY

## Schedule B

APPLICATION NUMBER: 13617355 FILING DATE: 09/14/2012  
PATENT NUMBER: 9192757 ISSUE DATE: 11/24/2015  
TITLE: METHODS FOR FORMING AN ELECTRODE DEVICE WITH REDUCED IMPEDANCE

APPLICATION NUMBER: 13713115 FILING DATE: 12/13/2012  
PATENT NUMBER: ISSUE DATE:  
TITLE: IMPLANTABLE ELECTRODE AND METHOD OF MAKING THE SAME

APPLICATION NUMBER: 13740310 FILING DATE: 01/14/2013  
PATENT NUMBER: 8958890 ISSUE DATE: 02/17/2015  
TITLE: IMPLANTABLE NEURAL INTERFACE DEVICE WITH A DEFORMABLE CARRIER

APPLICATION NUMBER: 13741864 FILING DATE: 01/15/2013  
PATENT NUMBER: 8972026 ISSUE DATE: 03/03/2015  
TITLE: IMPLANTABLE NEURAL INTERFACE DEVICE WITH A CONNECTOR HAVING A  
SLITTED DEFORMABLE SECTION

APPLICATION NUMBER: 13750420 FILING DATE: 01/25/2013  
PATENT NUMBER: ISSUE DATE:  
TITLE: IMPLANTABLE ELECTRODE LEAD SYSTEM WITH A THREE DIMENSIONAL  
ARRANGEMENT AND METHOD OF MAKING THE SAME

APPLICATION NUMBER: 13781809 FILING DATE: 03/01/2013  
PATENT NUMBER: 8941390 ISSUE DATE: 01/27/2015  
TITLE: SYSTEM AND METHOD FOR TESTING ELECTRICAL CIRCUITS USING A  
PHOTOELECTROCHEMICAL EFFECT

APPLICATION NUMBER: 14030069 FILING DATE: 09/18/2013  
PATENT NUMBER: 8703537 ISSUE DATE: 04/22/2014  
TITLE: SYSTEM AND METHOD TO MANUFACTURE AN IMPLANTABLE ELECTRODE

APPLICATION NUMBER: 14519346 FILING DATE: 10/21/2014  
PATENT NUMBER: ISSUE DATE:  
TITLE: OMNIDIRECTIONAL DEPLOYABLE MULTICHANNEL NEURAL ELECTRODE SYSTEM

APPLICATION NUMBER: 14519583 FILING DATE: 10/21/2014  
PATENT NUMBER: ISSUE DATE:  
TITLE: NEURAL ELECTRODE SYSTEM WITH A CARRIER HAVING A TAPE SPRING-TYPE  
SHAPE

APPLICATION NUMBER: 14521552 FILING DATE: 10/23/2014  
PATENT NUMBER: ISSUE DATE:  
TITLE: WAVEGUIDE NEURAL INTERFACE DEVICE

APPLICATION NUMBER: 14536867 FILING DATE: 11/10/2014  
PATENT NUMBER: ISSUE DATE:  
TITLE: THREE-DIMENSIONAL NEURAL PROBE MICROELECTRODE ARRAY AND METHOD  
OF MANUFACTURE

APPLICATION NUMBER: 14537197 FILING DATE: 11/10/2014  
PATENT NUMBER: ISSUE DATE:  
TITLE: THREE-DIMENSIONAL NEURAL PROBE MICROELECTRODE ARRAY AND METHOD  
OF MANUFACTURE

APPLICATION NUMBER: 14623747 FILING DATE: 02/17/2015  
PATENT NUMBER: ISSUE DATE:  
TITLE: METHOD FOR IMPLANTING AN IMPLANTABLE DEVICE IN BODY TISSUE

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APPLICATION NUMBER: 14623991                      FILING DATE: 02/17/2015  
PATENT NUMBER:                                      ISSUE DATE:  
TITLE: IMPLANTABLE NEURAL INTERFACE DEVICE WITH A DEFORMABLE CARRIER

APPLICATION NUMBER: 14676037                      FILING DATE: 04/01/2015  
PATENT NUMBER:                                      ISSUE DATE:  
TITLE: IMPLANTABLE ELECTRODE AND METHOD OF MAKING THE SAME

APPLICATION NUMBER: 14685661                      FILING DATE: 04/14/2015  
PATENT NUMBER:                                      ISSUE DATE:  
TITLE: NEURAL INTERFACE SYSTEM WITH EDGE ARRAY

APPLICATION NUMBER: 14941784                      FILING DATE: 11/16/2015  
PATENT NUMBER:                                      ISSUE DATE:  
TITLE: METHODS FOR FORMING AN ELECTRODE DEVICE WITH REDUCED IMPEDANCE