

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Rahul Gupta</td> <td>01/23/2013</td> </tr> <tr> <td>Steven M. Goetz</td> <td>01/23/2013</td> </tr> <tr> <td>Maciej T. Lazarewicz</td> <td>01/23/2013</td> </tr> <tr> <td>Gabriela C. Molnar</td> <td>01/23/2013</td> </tr> <tr> <td>Dwight E. Nelson</td> <td>01/23/2013</td> </tr> <tr> <td>Jianping Wu</td> <td>01/23/2013</td> </tr> </tbody> </table>		Name	Execution Date	Rahul Gupta	01/23/2013	Steven M. Goetz	01/23/2013	Maciej T. Lazarewicz	01/23/2013	Gabriela C. Molnar	01/23/2013	Dwight E. Nelson	01/23/2013	Jianping Wu	01/23/2013
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<table border="1"> <tr> <td>Name:</td> <td>Medtronic, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>710 Medtronic Parkway NE</td> </tr> <tr> <td>Internal Address:</td> <td>LC340</td> </tr> <tr> <td>City:</td> <td>Minneapolis</td> </tr> <tr> <td>State/Country:</td> <td>MINNESOTA</td> </tr> <tr> <td>Postal Code:</td> <td>55432</td> </tr> </table>		Name:	Medtronic, Inc.	Street Address:	710 Medtronic Parkway NE	Internal Address:	LC340	City:	Minneapolis	State/Country:	MINNESOTA	Postal Code:	55432		
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Application Number:	13748633														
CORRESPONDENCE DATA															
Fax Number:	7635268378														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
Phone:	763-505-5000														
Email:	medtronic_neuro_docketing@cardinal-ip.com														
Correspondent Name:	Medtronic Inc. (Neuro)														
Address Line 1:	710 Medtronic Parkway NE														
Address Line 2:	MS: LC340 Legal Patents														
Address Line 4:	Minneapolis, MINNESOTA 55432														
ATTORNEY DOCKET NUMBER:	C00002939.USU3/LG10137														

CH \$40.00 13748633

NAME OF SUBMITTER:

Beth L. McMahon

**Total Attachments: 8**

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ASSIGNMENT OF APPLICATION(S)

Whereas I/we, the below named inventor(s), with residence and citizenship as indicated below, have made an invention in

<b>ELECTRICAL STIMULATION PROGRAMMING</b>
---

- ☒ for which an application for a United States Patent or a U.S. Provisional Application is being filed contemporaneously herewith;
- ☐ for which an application for a United States Patent identified as U.S. Patent Application No. \_\_\_\_\_ ; was filed on \_\_\_\_\_ ;
- ☐ for which an application for a U.S. Provisional Application No. \_\_\_\_\_ ; was filed on \_\_\_\_\_ ;
- ☒ for which above application claims priority to U.S. Provisional Patent Application No. **61/622,505** ; filed on **April 10, 2012** ; and U.S. Provisional Patent Application No. **61/639,606**; filed on **April 27, 2012**;
- ☐ which application is identified as PCT International Patent Application No. \_\_\_\_\_ ; filed \_\_\_\_\_ ;

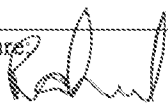
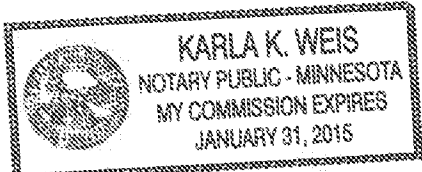

Whereas, Medtronic, Inc., a corporation organized and existing under the laws of the State of Minnesota and having a principle place of business at 710 Medtronic Parkway N.E., Minneapolis, Minnesota 55432-5604, hereinafter referred to as "Corporation," is desirous of acquiring the entire right, title and interest in and to said invention for the United States and for all foreign countries and in and to any and all foreign and domestic Letters Patent which may be granted therefore;

NOW, Therefore, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we have sold, assigned, transferred and set over and by these presents do sell, assign, transfer and set over unto Corporation, its successors and assigns, the entire right, title and interest in and to said invention and the application(s) identified above and in and to any application claiming benefit thereto and the entire right, title and interest in and to any and all Letters Patent of the United States and any foreign countries which may be granted therefore including our rights under the International Convention for the Protection of Industrial Property, and in and to any and all extensions, divisions, continuations, continuations-in-part or reissues of said Letters Patent that may be granted, the same to be held and enjoyed by Corporation for its own use and benefit and use and benefit of its successors and assigns to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me had this assignment and sale not been made, including the right to enforce such Letters Patent as fully and entirely as the same would have been held and enjoyed by the assignors if this assignment had not been made; together with all claims by assignors for damages by reason of past infringement or for provisional rights and including the right to sue for, and collect the same for its own use and benefit, and for the use and benefit of its successors, assigns, and other legal representatives;

AND, for the consideration aforesaid, we materially represent to Corporation, its successors and assigns, that at the time of the execution and delivery of these presents, we are the sole lawful owners of the entire right, title and interest in and to the invention, application and Letters Patent above mentioned, and that the same are unencumbered, and that we have good right and lawful authority to sell and convey the same in the manner herein set forth;

AND, for the consideration aforesaid, we hereby individually covenant and agree to and with Corporation, its successors and assigns, that whenever its counsel or the counsel of its successors or assigns, learned in the law, shall advise that an amendment or division of, or continuation or any continuation-in-part thereof, or any other proceeding in connection with the filing or prosecution of said domestic or foreign patent applications, including interference proceedings, is lawful and desirable, or that a reissue of extension of said Letters Patent is lawful and desirable, we, or our executors, administrators or assigns will sign all papers and drawings, take all rightful oaths, and do all acts necessary or

I/We do hereby authorize and request the Commissioner of Patents to issue any and all Letters Patent which may be granted upon any of the said applications, to said Medtronic, Inc., as the assignee of the entire right, title, and interest therein.

Given Name (first and middle initial [if any]): <b>Rahul</b>		Family Name or Surname (last name): <b>Gupta</b>	
Inventor's Signature: 		Date: 01/23/2013	
Residence (City and State): <b>St. Louis Park, MN</b>		Country: <b>USA</b>	Citizenship: <b>IN</b>
STATE OF MINNESOTA ) ) ss. COUNTY OF ANOKA     )			
On this <u>23rd</u> day of <u>January</u> , <u>2013</u> , before me personally appeared the above-named , and who executed the foregoing instrument, as said person's free act and deed, on the day and year aforesaid.			
(Seal)			 _____ Notary Public

Given Name (first and middle initial [if any]): Steven M.		Family Name or Surname (last name): Goetz	
Inventor's Signature: 		Date: 1/23/13	
Residence (City and State): North Oaks, MN		Country: USA	Citizenship: US

STATE OF MINNESOTA )  
                                     ) ss.  
COUNTY OF ANOKA     )

On this 23rd day of January, 2013, before me personally appeared the above-named,  
and who executed the foregoing instrument, as said person's free act and deed, on the day and year aforesaid.

(Seal)

\_\_\_\_\_  
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ASSIGNMENT OF APPLICATION(S)

Whereas I/we, the below named inventor(s), with residence and citizenship as indicated below, have made an invention in

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NOW, Therefore, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we have sold, assigned, transferred and set over and by these presents do sell, assign, transfer and set over unto Corporation, its successors and assigns, the entire right, title and interest in and to said invention and the application(s) identified above and in and to any application claiming benefit thereto and the entire right, title and interest in and to any and all Letters Patent of the United States and any foreign countries which may be granted therefore including our rights under the International Convention for the Protection of Industrial Property, and in and to any and all extensions, divisions, continuations, continuations-in-part or reissues of said Letters Patent that may be granted, the same to be held and enjoyed by Corporation for its own use and benefit and use and benefit of its successors and assigns to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me had this assignment and sale not been made, including the right to enforce such Letters Patent as fully and entirely as the same would have been held and enjoyed by the assignors if this assignment had not been made; together with all claims by assignors for damages by reason of past infringement or for provisional rights and including the right to sue for, and collect the same for its own use and benefit, and for the use and benefit of its successors, assigns, and other legal representatives;

AND, for the consideration aforesaid, we materially represent to Corporation, its successors and assigns, that at the time of the execution and delivery of these presents, we are the sole lawful owners of the entire right, title and interest in and to the invention, application and Letters Patent above mentioned, and that the same are unencumbered, and that we have good right and lawful authority to sell and convey the same in the manner herein set forth;

AND, for the consideration aforesaid, we hereby individually covenant and agree to and with Corporation, its successors and assigns, that whenever its counsel or the counsel of its successors or assigns, learned in the law, shall advise that an amendment or division of, or continuation or any continuation-in-part thereof, or any other proceeding in connection with the filing or prosecution of said domestic or foreign patent applications, including interference proceedings, is lawful and desirable, or that a reissue of extension of said Letters Patent is lawful and desirable, we, or our executors, administrators or assigns will sign all papers and drawings, take all rightful oaths, and do all acts necessary or

required to be done for the procurement of valid Letters Patent for said invention, or for the reissue or extension of the same, without charge to Corporation, its successors or assigns, but at Corporation's expense.

I/We do hereby authorize and request the Commissioner of Patents to issue any and all Letters Patent which may be granted upon any of the said applications, to said Medtronic, Inc., as the assignee of the entire right, title, and interest therein.

In witness whereof, I/we have signed my/our name(s) on the day and year set forth below:

Given Name (first and middle initial [if any]): Rahul		Family Name or Surname (last name): Gupta	
Inventor's Signature:		Date:	
Residence (City and State): St. Louis Park, MN		Country: USA	Citizenship: IN
STATE OF MINNESOTA    ) ) ss. COUNTY OF ANOKA        )			
On this _____ day of _____, _____, before me personally appeared the above-named , and who executed the foregoing instrument, as said person's free act and deed, on the day and year aforesaid.			
(Seal)		_____ Notary Public	

Given Name (first and middle initial [if any]): Steven M.		Family Name or Surname (last name): Goetz	
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