

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Bruce R. Mehdizadeh	10/18/2011
Brian T. Stolz	10/12/2011
Michael R. Klardie	10/11/2011
Michael J. Kern	10/10/2011
James M. Olsen	10/11/2011
Richard T. Stone	10/11/2011
Chad Q. Cai	10/11/2011
Spencer M. Bondhus	10/11/2011
Mark J. Conroy	10/11/2011
Timothy R. Abraham	10/11/2011

RECEIVING PARTY DATA

Name:	Medtronic, Inc.
Street Address:	710 Medtronic Parkway NE
Internal Address:	Mail Stop LC340
City:	Minneapolis
State/Country:	MINNESOTA
Postal Code:	55432

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13265313

CORRESPONDENCE DATA

Fax Number: (763)505-2530

Phone: 763-505-5000

Email: medtronic_neuro_docketing@cardinal-ip.com

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

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PATENT
REEL: 027089 FRAME: 0228

CH \$40.00 13265313

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:	P0034146.USN2
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NAME OF SUBMITTER:	Rick L. Franzen
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Total Attachments: 12

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ASSIGNMENT OF APPLICATION

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

TERMINATION OF A SHIELD WITHIN AN IMPLANTABLE MEDICAL LEAD

- ☒ for which an application for a United States Patent 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 above application claims priority to U.S. Provisional Patent Application Nos. **61/174,204**, filed April 30, 2009; **61/174,216**, filed April 30, 2009; **61/174,224**, filed April 30, 2009; **61/174,234**, filed April 30, 2009; **61/174,247**, filed April 30, 2009; **61/174,254**, filed April 30, 2009; **61/174,262**, filed April 30, 2009; **61/174,276**, filed April 30, 2009; **61/174,287**, filed April 30, 2009; and **61/174,296**, filed April 30, 2009;
- ☒ which application is identified as PCT International Patent Application No. **PCT/US10/032526**, filed April 27, 2010;

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 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;

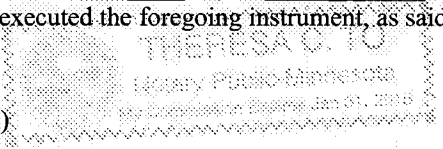
AND, for the consideration aforesaid, we hereby individually covenant and agree to and with Corporation, its successors and assigns, that whenever its counsel or the counsel of its successors or assigns, learned in the law, shall advise that an amendment or division of, or continuation or any continuation-in-part thereof, or any other proceeding in connection with the filing or prosecution of said domestic or foreign patent applications, including interference

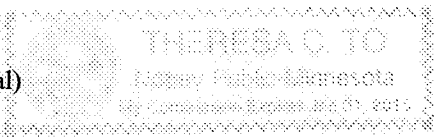
proceedings, is lawful and desirable, or that a reissue of extension of said Letters Patent is lawful and desirable, we, or our executors, administrators or assigns will sign all papers and drawings, take all rightful oaths, and do all acts necessary or required to be done for the procurement of valid 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.

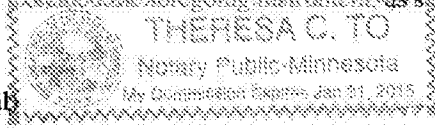
I/We do hereby authorize and request the Commissioner of Patents to issue any and all Letters Patent which may be granted upon any of the said applications, to said Medtronic, Inc., as the assignee of the entire right, title, and interest therein.

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]): Bruce R.		Family Name or Surname (last name): Mehdizadeh	
Inventor's Signature:		Date:	
Residence (City and State): Boise, ID	Country: US	Citizenship: US	
Witness Signature		Witness Signature	
Witness Printed Name		Witness Printed Name	

Given Name (first and middle initial [if any]): Brian T.		Family Name or Surname (last name): Stolz	
Inventor's Signature: <i>Brian Stolz</i>		Date: 10/12/11	
City and State: Bloomington, MN	Country: USA	Citizenship: US	
STATE OF MINNESOTA)) ss. COUNTY OF ANOKA) On this <u>12th</u> day of <u>October</u> , 2011, before me personally appeared the above-named Brian T. Stolz, and who executed the foregoing instrument, as said person's free act and deed, on the day and year aforesaid.			
(Seal)  THERESA C. TO Notary Public - Minnesota My Commission Expires Jan 01, 2015		<i>Theresa C. To</i> Notary Public	

Given Name (first and middle initial [if any]): Michael R.		Family Name or Surname (last name): Klardie	
Inventor's Signature: <i>Michael R Klardie</i>		Date: <i>Oct 11, 2011</i>	
City and State: Plymouth, MN		Country: USA	Citizenship: US
STATE OF MINNESOTA)) ss. COUNTY OF ANOKA) On this <i>11th</i> day of <i>October</i> , 2011, before me personally appeared the above-named Michael R. Klardie, and who executed the foregoing instrument, as said person's free act and deed, on the day and year aforesaid.			
(Seal) 		<i>Theresa C. To</i> Notary Public	

Given Name (first and middle initial [if any]): Michael J.		Family Name or Surname (last name): Kern	
Inventor's Signature: <i>Michael J Kern</i>		Date: <i>10 October 2011</i>	
City and State: St. Louis Park, MN		Country: USA	Citizenship: US
STATE OF MINNESOTA)) ss. COUNTY OF ANOKA) On this <i>10th</i> day of <i>October</i> , 2011, before me personally appeared the above-named Michael J. Kern, and who executed the foregoing instrument, as said person's free act and deed, on the day and year aforesaid.			
(Seal) 		<i>Theresa C. To</i> Notary Public	

ASSIGNMENT OF APPLICATION

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TERMINATION OF A SHIELD WITHIN AN IMPLANTABLE MEDICAL LEAD
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- ☒ for which an application for a United States Patent 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 above application claims priority to U.S. Provisional Patent Application Nos. **61/174,204**, filed April 30, 2009; **61/174,216**, filed April 30, 2009; **61/174,224**, filed April 30, 2009; **61/174,234**, filed April 30, 2009; **61/174,247**, filed April 30, 2009; **61/174,254**, filed April 30, 2009; **61/174,262**, filed April 30, 2009; **61/174,276**, filed April 30, 2009; **61/174,287**, filed April 30, 2009; and **61/174,296**, filed April 30, 2009;
- ☒ which application is identified as PCT International Patent Application No. **PCT/US10/032526**, filed April 27, 2010;

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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 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

