

**PATENT ASSIGNMENT**

Electronic Version v1.1  
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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
William T Donofrio	10/28/2009
Paul G Krause	10/27/2009
James D Reinke	10/27/2009
David J Peichel	10/27/2009

**RECEIVING PARTY DATA**

Name:	Medtronic, Inc.
Street Address:	710 Medtronic Parkway N.E.
City:	Minneapolis
State/Country:	MINNESOTA
Postal Code:	55432-5640

**PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	12551409

**CORRESPONDENCE DATA**

Fax Number: (651)735-1102  
*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*  
 Phone: 763 514 4000  
 Email: pairdocketing@ssiplaw.com  
 Correspondent Name: Medtronic, Inc.  
 Address Line 1: 710 Medtronic Parkway  
 Address Line 4: Minneapolis, MINNESOTA 55432

ATTORNEY DOCKET NUMBER:	P0033138.02/1111-090US01
NAME OF SUBMITTER:	Ambar Nayate

Total Attachments: 5  
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**CH \$40.00 12551409**

**501016676**

**PATENT  
 REEL: 023524 FRAME: 0020**

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**ASSIGNMENT**

WHEREAS, WE, William T. Donofrio of 15608 Avocet Street NW, Andover, Minnesota, 55304; Paul G. Krause of 5946 Royal Oaks Drive, Shoreview, Minnesota, 55126; James D. Reinke of 7731 Ranchview Lane, Maple Grove, Minnesota, 55311; and David J. Peichel of 4217 Garfield Avenue, Minneapolis, Minnesota, 55409 are the inventors of the invention **ISOLATION OF SENSING AND STIMULATION CIRCUITRY**, and have executed a nonprovisional patent application based thereon, said nonprovisional application having been filed with the United States Patent and Trademark Office on August 31, 2009, and bearing application no. 12/551,409, and the above-referenced attorney docket number, as well as a provisional patent application based thereon, said provisional application having been filed with the United States Patent and Trademark Office on October 31, 2008, and bearing provisional application no. 61/110,428, as well as a provisional patent application based thereon, said provisional application having been filed with the United States Patent and Trademark Office on January 30, 2009, and bearing provisional application no. 61/148,852;

WHEREAS, MEDTRONIC, INC., a corporation organized and existing under the laws of the State of Minnesota and having a principal place of business at 710 Medtronic Parkway N.E., Minneapolis, Minnesota 55432-5640, 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 therefor;

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 therefor 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, and also hereby authorize Corporation and its employees to fill in the serial number and filing date above after this document has been executed;

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.

ASSIGNMENT

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P0033138.02/1111-090US01

**PATENT****REEL: 023524 FRAME: 0022**

I hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Corporation in accordance with this instrument.

IN WITNESS WHEREOF, I have hereunto set my hand on this 28<sup>th</sup> day of October, 2009.

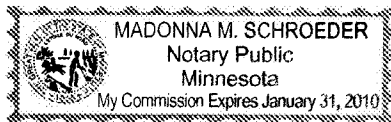
William T. Donofrio  
William T. Donofrio

STATE OF MINNESOTA

COUNTY OF Rensselaer

On this 28<sup>th</sup> day of October, 2009, before me personally appeared William T. Donofrio, to me known to be the person described in and who executed the foregoing instrument and acknowledged that s/he executed the same as his/her free act and deed.


IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal of my office, the day and year above written.



Madonna M. Schroeder  
Notary Public

I hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Corporation in accordance with this instrument.

IN WITNESS WHEREOF, I have hereunto set my hand on this 27<sup>th</sup> day of October, 2009.

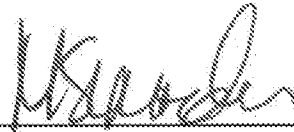
  
\_\_\_\_\_  
Paul G. Krause

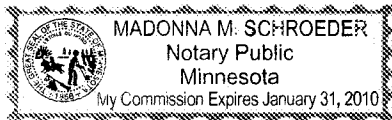
STATE OF MINNESOTA

COUNTY OF Ramsey

On this 27<sup>th</sup> day of October, 2009, before me personally appeared Paul G. Krause, to me known to be the person described in and who executed the foregoing instrument and acknowledged that s/he executed the same as his/her free act and deed.

IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal of my office, the day and year above written.

  
\_\_\_\_\_  
Notary Public



I hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Corporation in accordance with this instrument.

IN WITNESS WHEREOF, I have hereunto set my hand on this 27<sup>th</sup> day of October, 2009.

James D. Reinke  
James D. Reinke

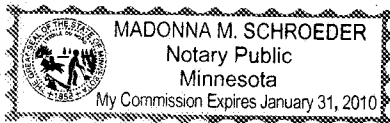
STATE OF MINNESOTA

COUNTY OF Pennington

On this 27<sup>th</sup> day of October, 2009, before me personally appeared James D. Reinke, to me known to be the person described in and who executed the foregoing instrument and acknowledged that s/he executed the same as his/her free act and deed.


IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal of my office, the day and year above written.

M. Schroeder  
Notary Public



I hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Corporation in accordance with this instrument.

IN WITNESS WHEREOF, I have hereunto set my hand on this 27 day of October, 2009.

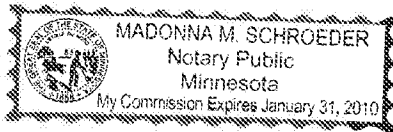
  
\_\_\_\_\_  
David J. Peichel

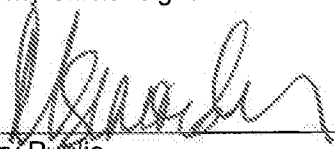
STATE OF MINNESOTA

COUNTY OF Ramsey

On this 27th day of October, 2009, before me personally appeared David J. Peichel, to me known to be the person described in and who executed the foregoing instrument and acknowledged that s/he executed the same as his/her free act and deed.

IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal of my office, the day and year above written.



  
\_\_\_\_\_  
Notary Public