

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Robert W. Stadler	10/06/2008
Bruce D. Gunderson	10/06/2008
Amisha S. Patel	10/06/2008
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:	12180304
CORRESPONDENCE DATA	
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ATTORNEY DOCKET NUMBER:	P0031057.01/1111-021US01
NAME OF SUBMITTER:	Raymond R. Berdie
<p>Total Attachments: 4</p> <p>source=Assignment#page1.tif</p> <p>source=Assignment#page2.tif</p>	

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ASSIGNMENT

WHEREAS, We Robert W. Stadler of 4010 Evergreen Place, Shoreview, Minnesota 55126; Bruce D. Gunderson of 4735 Pilgrim Lane North, Plymouth, Minnesota 55442; and Amisha S. Patel of 6231 Juneau Lane North, Maple Grove, Minnesota 55311, are the inventors of the invention entitled **IMPEDANCE VARIABILITY ANALYSIS TO IDENTIFY LEAD-RELATED CONDITIONS**, and have executed a nonprovisional patent application based thereon, said nonprovisional application having been filed with the United States Patent and Trademark Office on July 25, 2008, and bearing application no. 12/180,304, 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 June 2, 2008, and bearing provisional application no. 61/058,153;

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, and including any rights in any above-referenced nonprovisional and/or provisional applications, the same to be held and enjoyed by Corporation for its own use and behoof and use and behoof 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, 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 hereby grant Corporation the right to fill in the serial number and filing date in this document upon their receipt;

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 my 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.

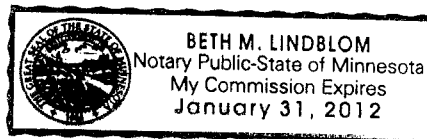
We hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Corporation in accordance with this instrument.

IN WITNESS WHEREOF, I have hereunto set my hand on this 6th day of October, 2008.

Robert W. Stadler
Robert W. Stadler

STATE OF MINNESOTA

COUNTY OF Washington



On this 6th day of October, 2008, before me personally appeared Robert W. Stadler, 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.

Beth M. Lindblom
Notary Public

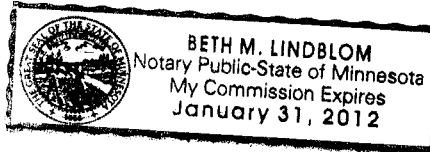
I hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Corporation in accordance with this instrument.

IN WITNESS WHEREOF, I have hereunto set my hand on this 6th day of October, 2008.

Bruce D. Gunderson
Bruce D. Gunderson

STATE OF MINNESOTA

COUNTY OF Washington




On this 6th day of October, 2008, before me personally appeared Bruce D. Gunderson, 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.

Beth M. Lindblom
Notary Public

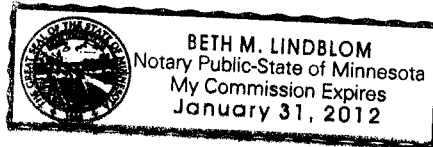
I hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Corporation in accordance with this instrument.

IN WITNESS WHEREOF, I have hereunto set my hand on this 6th day of October, 2008.


Amisha S. Patel


STATE OF MINNESOTA

COUNTY OF Washington



On this 6th day of October, 2008, before me personally appeared Amisha S. Patel, 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