

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the Assignee previously recorded on Reel 012462 Frame 0587. Assignor(s) hereby confirms the "Medtronic, Inc." should be "Medtronic, Inc. and University of Minnesota".

CONVEYING PARTY DATA

Name	Execution Date
Paul A. Iaizzo	11/29/2001
Timothy G. Laske	11/29/2001
Woohyek Choi	12/03/2001

RECEIVING PARTY DATA

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

Name:	University of Minnesota
Street Address:	1100 Washington Avenue South
Internal Address:	Offc of Patents & Licensing, MN Technology Ctr.
City:	Minneapolis
State/Country:	MINNESOTA
Postal Code:	55415-1226

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	09952869

CORRESPONDENCE DATA

Fax Number: (763)514-6982
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
 Email: sue.mccoy@medtronic.com

CH \$40.00 09952869

Correspondent Name: Medtronic, Inc.
Address Line 1: 710 Medtronic Parkway
Address Line 2: MS LC340
Address Line 4: Minneapolis, MINNESOTA 55432

NAME OF SUBMITTER:

Michael C. Soldner

Total Attachments: 4
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ASSIGNMENT

WHEREAS, WE, Paul A. Iazzo, Timothy G. Laske and Woohyek Choi, are the inventors of IMPROVED SYSTEM AND METHOD FOR DETERMINING TISSUE CONTACT OF AN IMPLANTABLE MEDICAL DEVICE WITHIN A BODY for which we have executed an application for filing in the United States Patent and Trademark Office preparatory to obtaining Letters Patent of the United States on September 14, 2001, therefor; and

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 "Medtronic," and University of Minnesota, with an address at Office of Patents and Licensing, Minnesota Technology Center, 1100 Washington Avenue South, Suite 201, Minneapolis, Minnesota 55415-1226, hereinafter referred to as "University of Minnesota", 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 Medtronic and University of Minnesota, 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 Medtronic and University of Minnesota 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 Medtronic and University of Minnesota, 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 Medtronic and University of Minnesota, 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 or 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 Medtronic and University of Minnesota, its successors or assigns, but at Medtronic and University of Minnesota's expense.

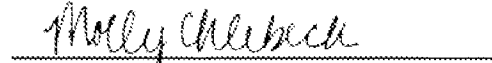
I hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Medtronic and University of Minnesota in accordance with this instrument.

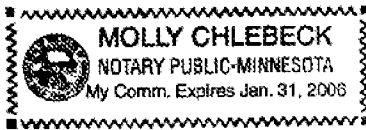
IN WITNESS WHEREOF, I have hereunto set my hand on this 29 day of NOVEMBER, 2001.


Paul A. Iaizzo

On this 29th day of November, 2001, before me personally appeared Paul A. Iaizzo, to me known to be the person described in and who executed the foregoing instrument and acknowledged that he executed the same as his 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



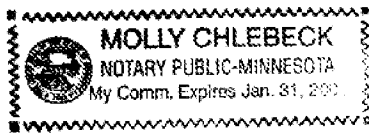
I hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Medtronic and University of Minnesota in accordance with this instrument.

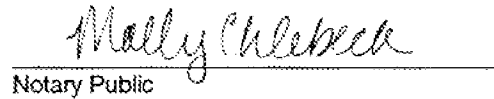
IN WITNESS WHEREOF, I have hereunto set my hand on this 29TH day of Nov, 2001.


Timothy G. Laske

On this 29th day of November, 2001, before me personally appeared Timothy G. Laske, to me known to be the person described in and who executed the foregoing instrument and acknowledged that he executed the same as his 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 Medtronic and University of Minnesota in accordance with this instrument.

IN WITNESS WHEREOF, I have hereunto set my hand on this 3rd day of December, 2001.

Woohyek Choi
Woohyek Choi

On this 3rd day of December, 2001, before me personally appeared Woohyek Choi, to me known to be the person described in and who executed the foregoing instrument and acknowledged that he executed the same as his 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.



Bettylou Viskocil
Notary Public