

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT										
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Douglas A. Hettrick</td> <td>10/30/2008</td> </tr> <tr> <td>Shantanu Sarkar</td> <td>10/29/2008</td> </tr> <tr> <td>Todd M. Zielinski</td> <td>10/29/2008</td> </tr> <tr> <td>Kevin P. Knox</td> <td>10/29/2008</td> </tr> </tbody> </table>		Name	Execution Date	Douglas A. Hettrick	10/30/2008	Shantanu Sarkar	10/29/2008	Todd M. Zielinski	10/29/2008	Kevin P. Knox	10/29/2008
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Shantanu Sarkar	10/29/2008										
Todd M. Zielinski	10/29/2008										
Kevin P. Knox	10/29/2008										
<b>RECEIVING PARTY DATA</b>											
<b>Name:</b>	Medtronic, Inc.										
<b>Street Address:</b>	710 Medtronic Parkway										
<b>Internal Address:</b>	Mail Stop LC340										
<b>City:</b>	Minneapolis										
<b>State/Country:</b>	MINNESOTA										
<b>Postal Code:</b>	55432										
<b>PROPERTY NUMBERS Total: 1</b>											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12261131</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12261131						
Property Type	Number										
Application Number:	12261131										
<b>CORRESPONDENCE DATA</b>											
<b>Fax Number:</b>	(763)505-2530										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
<b>Phone:</b>	763-526-0938										
<b>Email:</b>	carrie.m.arcand@medtronic.com										
<b>Correspondent Name:</b>	Michael C. Soldner										
<b>Address Line 1:</b>	710 Medtronic Parkway										
<b>Address Line 2:</b>	Mail Stop LC340										
<b>Address Line 4:</b>	Minneapolis, MINNESOTA 55432										
<b>ATTORNEY DOCKET NUMBER:</b>	P0029984.00										
<b>NAME OF SUBMITTER:</b>	Michael C. Soldner										

CH \$40.00 12261131

**Total Attachments: 5**

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**ASSIGNMENT**

WHEREAS, WE Douglas A. Hettrick, Shantanu Sarkar, Todd M. Zielinski and Kevin P. Knox, are the inventors of the invention entitled System and Method to Localize Changes in Intrathoracic Fluid Content Using Measured Impedance in an Implantable Device and have contemporaneously executed an application based thereon;

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;

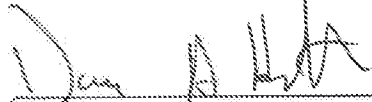
NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we have sold, assigned, transferred and set over and by these presents do sell, assign, transfer and set over unto Corporation, its successors and assigns, the entire right, title and interest 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.

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 30<sup>th</sup> day of OCTOBER, 2008.

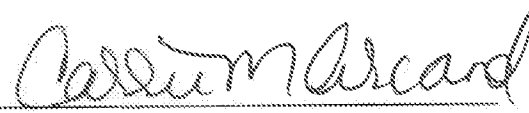
  
\_\_\_\_\_  
**Douglas A. Hettrick**

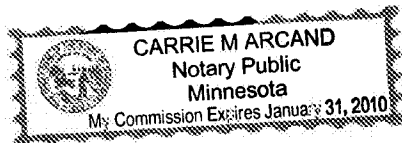
STATE OF MINNESOTA

COUNTY OF RAMSEY

On this 30<sup>th</sup> day of October, 2008, before me personally appeared **Douglas A. Hettrick**, 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 29<sup>th</sup> day of October, 2008.

  
\_\_\_\_\_  
**Shantanu Sarkar**

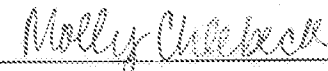
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COUNTY OF RAMSEY

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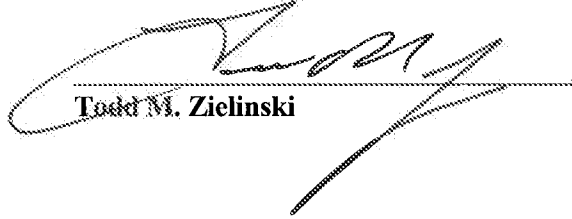
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\_\_\_\_\_  
Todd M. Zielinski

STATE OF MINNESOTA

COUNTY OF RAMSEY

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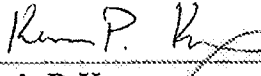
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\_\_\_\_\_  
Kevin P. Knox

  
\_\_\_\_\_  
WITNESS Signature

Kristen Koehler  
\_\_\_\_\_  
Printed Name

  
\_\_\_\_\_  
WITNESS Signature

Meghan M Hamilton  
\_\_\_\_\_  
Printed Name

ASSIGNMENT  
Page 5 of 5  
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