

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Touby A. Drew</td><td>03/22/2006</td></tr><tr><td>Jonathon E. Giftakis</td><td>03/15/2006</td></tr><tr><td>Nina M. Graves</td><td>03/22/2006</td></tr><tr><td>Jonathan C. Werder</td><td>03/22/2006</td></tr><tr><td>David L. Carlson</td><td>03/22/2006</td></tr></tbody></table>	Name	Execution Date	Touby A. Drew	03/22/2006	Jonathon E. Giftakis	03/15/2006	Nina M. Graves	03/22/2006	Jonathan C. Werder	03/22/2006	David L. Carlson	03/22/2006	
Name	Execution Date												
Touby A. Drew	03/22/2006												
Jonathon E. Giftakis	03/15/2006												
Nina M. Graves	03/22/2006												
Jonathan C. Werder	03/22/2006												
David L. Carlson	03/22/2006												
RECEIVING PARTY DATA													
Name:	Medtronic, Inc.												
Street Address:	710 Medtronic Parkway NE												
City:	Minneapolis												
State/Country:	MINNESOTA												
Postal Code:	55432												
PROPERTY NUMBERS Total: 1													
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11265045</td></tr></tbody></table>	Property Type	Number	Application Number:	11265045									
Property Type	Number												
Application Number:	11265045												
CORRESPONDENCE DATA													
Fax Number:	(312)463-5001												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone:	3121-463-5000												
Email:	kkessling@bannerwitcoff.com												
Correspondent Name:	Stephen L. Sheldon c/o Banner & Witcoff												
Address Line 1:	10 S. Wacker Drive												
Address Line 2:	Suite 3000												
Address Line 4:	Chicago, ILLINOIS 60606												
ATTORNEY DOCKET NUMBER:	011738.00276												
NAME OF SUBMITTER:	Stephen L. Sheldon												

CH \$40.00 11265045

500155823

PATENT
REEL: 018298 FRAME: 0154

Total Attachments: 3

source=276Assignment#page1.tif

source=276Assignment#page2.tif

source=276Assignment#page3.tif

PATENT

REEL: 018298 FRAME: 0155

ASSIGNMENT

Inventors: Touby A. Drew
Jonathon E. Giftakis
Nina M. Graves
Jonathan C. Werder
David L. Carlson

Date of Execution of Application: November 2, 2005

Application No.: U.S. Provisional - 60/624,232
U.S. Non-provisional - 11/265,045

Filing Date: November 2, 2004
Filing Date: November 2, 2005

In consideration of One Dollar (\$1.00) and other good and valuable considerations in hand paid, the receipt and sufficiency whereof are hereby acknowledged, the undersigned hereby assigns to:

MEDTRONIC, INC., a corporation of the State of Minnesota

its successors and assigns, the entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for Letters Patent of the United States, entitled:

**TECHNIQUES FOR SELECTIVE CHANNEL PROCESSING AND
DATA RETENTION IN AN IMPLANTABLE MEDICAL DEVICE**

and identified as:

Attorney Docket No. 011738.00276

in the offices of Banner & Witcoff, Ltd. and in said application and any and all other applications, both United States and foreign, which the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States and foreign countries, which may be obtained on any of said applications, and in any reissue or extension of such patents, and further assigns to said assignee the priority right provided by the International Convention.

The undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to said assignee.

The undersigned hereby authorizes and requests the attorneys of record in said application to insert in this assignment the filing date and serial number of said application when officially known, and the date of execution of the application.

The undersigned warrants themselves to be the owners of the entire right, title and interest in said invention or improvements and to have the right to make this assignment, and further warrant that there are no outstanding prior assignments, licenses, or other encumbrances on the interest herein assigned.

For said considerations the undersigned hereby agrees, upon the request and at the expense of said assignee, its successors and assigns, to execute any and all divisional, continuation and substitute applications for said invention or improvements, and any necessary oath, affidavit or declaration relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said application and any and all applications and other documents for Letters Patent in foreign countries on said invention or improvements, that said assignee, its successors or assigns may deem necessary or expedient, and for the said considerations the undersigned authorize said assignee to apply for patents for said invention or improvements in its own name in such countries where such procedure is proper and further agree, upon the request of said assignees, its successors and assigns, to cooperate to the best of the ability of the undersigned with said assignee, its successors and assigns, in any proceedings or transactions involving such applications or patents, including the preparation and execution of

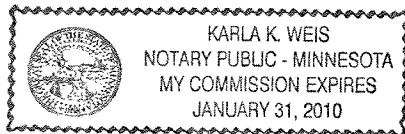
preliminary statements, giving and producing evidence, and performing any and all other acts necessary to obtain, maintain and enforce said Letters Patent, both United States and foreign, and vest all rights therein hereby conveyed in the assignees, its successors and assigns, whereby said Letters Patent will be held and enjoyed by the said assignees, its successors and assigns, to the full end of the term for which said Letters Patent will be granted, as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment had not been made.

March 22, 2006
Date

Touby A. Drew
Touby A. Drew

State of Minnesota)
County of Anoka) ss:

This 22 day of March 2006, before me personally came the above-named, Touby A. Drew, came to me personally know as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes herein set forth.



Karla K. Weis
Notary Public

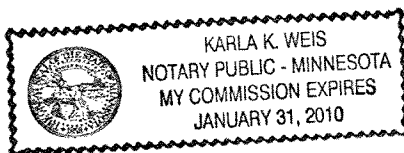
My Commission Expires: 1-31-2010

March 15, 2006
Date

Jonathon E. Giftakis
Jonathon E. Giftakis


State of Minnesota)
County of Anoka) ss:

This 15th day of March 2006, before me personally came the above-named, Jonathon E. Giftakis, came to me personally know as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes herein set forth.

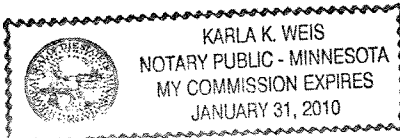


Karla K. Weis
Notary Public

My Commission Expires: January 31, 2010


Nina M. Graves

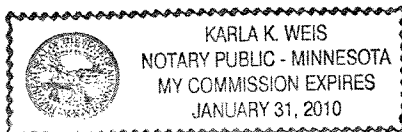
This 22 day of March 2006, before me personally came the above-named, Nina M. Graves, came to me personally know as the individual who executed the foregoing assignment, who acknowledged to me that she executed the same of her own free will for the purposes herein set forth.



My Commission Expires: 1-31-2010


Jonathan C. Werder

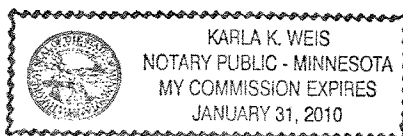
This 22 day of March 2006, before me personally came the above-named, Jonathan C. Werder, came to me personally know as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes herein set forth.



My Commission Expires: 1-31-2010

David L. Carlson
David L. Carlson

This 22 day of March 2006, before me personally came the above-named, David L. Carlson, came to me personally know as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes herein set forth.



My Commission Expires: 1-31-2010