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To the Honorable Commissioner of Pat

Todd J. Sheldon Jeffrey M. Gillberg 2.6.03

Name: Internal Address: M.S. LC 340

MEDTRONIC, INC.

4. Name and address of receiving party(ies):

Street Address: 710 Medtronic Parkway

MINNEAPOLIS State: MN

Additional name(s) of conveying party(ies) attached? []Yes [X]No

3.	Nature	of c	onveyance:
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[X] Assignment Security Agreement

10359986

Other__

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Change of Name

Execution Date: February 6, 2003

Additional name(s) & address(es) attached? []Yes [X]No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: February 6, 2003

A. Patent Application No.(s)

Additional numbers attached? []Yes [X]No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Girma Wolde-Michael

Address:

6. Total number of applications and patents involved:..... 1

7. Total fee (37 CFR 3.41):....\$40.00

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[X] Authorized to be charged to deposit account

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PATENT

REEL: 013768 FRAME: 0854

ASSIGNMENT

WHEREAS, WE, <u>Todd J. Sheldon and Jeffrey M. Gillberg</u>, are the inventors of <u>METHODS AND APPARATUS FOR DETECTING VENTRICULAR DEPOLARIZATIONS DURING ATRIAL PACING</u> 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 <u>February 6</u>, 2003, 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 "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 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, 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 Page 1 of 3

PATENT REEL: 013768 FRAME: 0855

I hereby request the Honorable Commission Patent to Corporation in accordance with this instrument	ner of Patents and Trademarks to issue the Letters ent.
IN WITNESS WHEREOF, I have hereun **Felwwork**, 2003.	to set my hand on this th day of
	Todd J. Shelda
On this day of	
IN WITNESS WHEREOF, I have hereunto at the day and year above written.	ffixed my official signature with the seal of my office,
KATHLEEN M. ALTMAN NOTARY PUBLIC – MINNESOTA My Comm. Expires Jan. 31, 2005	Notary Public

ASSIGNMENT Page 2 of 3

PATENT REEL: 013768 FRAME: 0856

Patent to	I hereby request the Hone Corporation in accordance IN WITNESS WHEREO	e with this instrumen	t.	M	e Letters _ day of
instrume	On this day o M. Gillberg, to me know nt and acknowledged that	s/he executed the sa	ime as his/her free act an	d deed.	
	IN WITNESS WHEREOF and year above written.	, I have hereunto affix	red my official signature w	<i>i</i> ith the seal of n	ny office,
森海州 2 HP 2 H	alig er og greg a som get i gren de gat, gleg som er som ækkellige bledt fær isk skyllet i skyllet Til		Notary Public	M. /	ley

RECORDED: 02/06/2003

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