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To the Ho	<u>morable Commission</u>	oner of Patents and Trademarks:	Please record the attach	<u>ed original docume</u>	nts or copy thereof.
1	onveying party(ies			address of receiv	
Paul J Paul A	DeGroot Belk		Name: Internal Address: Street Address:	MEDTRONIC, INC M.S. LC 340 710 Medtronic Park	<u>. </u>
Additional n	ame(s) of conveying	g party(ies) attached? ()Yes [X]No	0		
3. Nature of c	1	,,,,, [] [.].	[X] Assianment	[]	Merger
			[] Security Agre	ement []	Change of Name
Execution D	ate: 02/04/2004 02/06/2004	Paul J. DeGroot Paul A. Belk	Additional name(s) & address(es) atta	ched? []Yes [X]No
4. Application If this docum	number(s) or pate	ent number(s): 10/693,763 gether with a new application, the	execution date of the ap	plication is:_	
A. Patent Appli Additional	cation No.(s) pumbers attached?	[]Yes [X]No			• • • • • •
5. Name and a concerning	ddress of party to document should	whom correspondence be mailed:	6. Total numbe patents invol	r of applications a lved:	ad 1
Name: <u>Pa</u>	<u>ul H. McDowall</u>		7. Total fee (37	CFR 3.41):	\$40.00
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ASSIGNMENT

WHEREAS, WE, <u>Paul J. DeGroot and Paul A. Belk</u>, are the inventors of <u>Slow Rise Defibrillation</u> <u>Waveforms to Minimize Stored Energy for a Pulse Modulated Circuit and Maximize Charge Transfer to</u> <u>Myocardial Membrane</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 4, 2004</u>, therefor; and

WHEREAS, <u>MEDTRONIC, INC.</u> a corporation organized and existing under the laws of the <u>State of Minnesota</u> and having a principal place of business at <u>710 Medtronic Parkway N.E., Minneapolis.</u> <u>Minnesota 55432-5640</u>, 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: 014380 FRAME: 0843

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MOLLY CHI

NOTARY PUBLIC-MINNESOTA My Comm. Expires Jan. 31, 2008

EBECK

I hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Corporation in accordance with this instrument. 14

	, È IN	WITNESS	WHEREOF,	I have	hereunto	set	my	hand	on	this	<u> </u>	day	of
4	mary	/	_, 2004.				_					•	
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De Tool

On this day of _ , 2004, before me personally appeared Paul J. DeGroot, 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.

Mally Chlebeck

ASSIGNMENT Page 2 of 3

PATENT REEL: 014380 FRAME: 0844

MOLLY CHLEBECK NOTARY PUBLIC-MINNESOTA My Comm, Expires Jan. 31, 2006 My Comm, Expires Jan. 31, 2006

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I hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Ratent to Corporation in accordance with this instrument. *41*

Fabru	IN WITNESS	WHEREOF, 1 _, 2004.	have	hereunto	set	my	hand	on	this	_6_	<u> </u>	day	of
	J				N								

On this 6^m day of 6^m day o 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.

Wally Chlebick

ASSIGNMENT Page 3 of 3

PATENT REEL: 014380 FRAME: 0845

RECORDED: 02/26/2004