Docket No. 1023-517US01

06-07-2006

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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

FORM PTO-1595

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OMB No. 0651-0011 (exp. 4/94)

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	Name and address of receiving party(ies): Medtronic, Inc. 710 Medtronic Parkway Minneapolis, MN 55432 05/24/06 05/23/06
Additional name(s) of conveying party(ies) attached?	s 🛮 No Additional name(s) & address(es) attached? 🔲 Yes 🖾 No
Nature of conveyance: Assignment Merger Security Agreement Change of Name Other:	Submission Type: New Resubmission (Non-Recordation): Document ID # Correction of PTO Error: Reel # Frame # Corrective Document: Reel # Frame #
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Patent Application No.(s)	Patent No.(s)
11/372,355	\mathcal{O}
Additiona	numbers attached? ☐ Yes ☒ No ☐ ?
Name and address of party to whom correspondence co document should be mailed:	
Name: Steven J. Shumaker Address: Shumaker & Sieffert, P.A. 8425 Seasons Parkway, Suite 105 St. Paul, MN 55125	Total fee (37 CFR 3.41): \$40.00 Enclosed Authorized to be charged to deposit account
6/06/2006 BBYRHE 00000084 11372355	Please charge any additional fees or credit any overpayments to our Deposit account number: 50-1778
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PATENT REEL: 017949 FRAME: 0389 Attorney Docket No.: 1023-517US01

ASSIGNMENT

For valuable consideration, we, Joseph J. Nolan of 5945 Maplewood Lane, Minnetonka, MN 55345, Ruth E. Bauhahn of 135 Glen Creek Rd NE, Fridley, MN 55432, Steven M. Goetz, 4650 - 58th Place North, Brooklyn Center, MN 55429 and Shahram Malekkhosravi of 18836 68th Ave. N., Maple Grove, MN 55311, hereby assign to: Medtronic, Inc., having a place of business at: 710 Medtronic Parkway, Minneapolis, MN 55432 and its successors and assigns (collectively hereinafter called "the Assignee") the entire right, title and interest throughout the world in the inventions and improvements which are the subject of an application for United States Patent signed by us, entitled MANAGEMENT OF MULTIPLE STIMULATION PROGRAM GROUPS, filed March 9, 2006, and assigned U.S. Serial Number 11/372,355; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

1

Date: 5-23-06 Joseph J. Nolan	
State of Mn)) County of Anoka) ss:	
On this 23 day of	nstrument and ity, and that by
WITNESS my hand and official seal.	
KarenAnn Harvey Notary Public Minnesota Commission Expires January 31, 2010 KarenAnn Harvey Signature of Notary Public My Commission Expires: Socially	
Date: 5.23.06 Ruth E. Bauhahn	
State of MW)) ss: County of Ano Ka)	
On this 23 day of May, 2006, before me, Notary Public, personally appeared Ruth E. Bauhahn personally known to me (or proved basis of satisfactory evidence) to be the person(s) whose name is/are subscribed to the wi and acknowledged to me that he/she/they executed the same in his/her/their authorized caby his/her/their signature on the instrument the person(s), or the entity upon behalf of whi acted, executed the instrument.	thin instrument apacity, and that
WITNESS my hand and official seal.	
Notary Public Minnesota My Commission Expires January 31, 2010 KerenAnn Hervey Notary Public Signature of Notary Public My Commission Expires:	ey na 31 2010

Date: May 24th 06
Steven M. Goetz
State of MW)) ss: County of Awka)
On this 24 day of May, 2006 before me, Steven M. Goet, 2 Notary Public, personally appeared Steven M. Goetz personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity, and that by his/her/their signature on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.
WITNESS my hand and official seal.
KarenAnn Harvey Notary Public Mirroseota My Commission Expires: Some 31, 2010 My Commission Expires: Some 31, 2010
Date: May 23, 2005 Shahram Malekkhosravi
State of Mn)) ss: County of Anoka)
On this <u>J3</u> day of <u>May</u> , 2006, before me, <u>Shahran Malekkhosravi</u> . Notary Public, personally appeared Shahram Malekkhosravi personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity, and that by his/her/their signature on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.
WITNESS my hand and official seal.

KarenAnn Hervey **Notary Public**

Signature of Notary Public
My Commission Expires: Sanuary 31, 2010

RECORDED: 06/05/2006