PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Jonathon E. Giftakis	09/22/2008
Peter J. Kovach	09/22/2008
Warren W. Ball	09/22/2008
Jonathan C. Werder	09/23/2008
Nina M. Graves	09/22/2008
David C. Ullestad	09/22/2008
Sarah B. Alme	09/22/2008

RECEIVING PARTY DATA

Name:	Medtronic, Inc.	
Street Address:	710 Medtronic Parkway	
City:	Minneapolis	
State/Country:	MINNESOTA	
Postal Code:	55432	

PROPERTY NUMBERS Total: 1

	Property Type	Number
Application Number:		12236260

CORRESPONDENCE DATA

500655566

Fax Number: (651)735-1102

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 651-735-1100

Email: pairdocketing@ssiplaw.com Correspondent Name: SHUMAKER & SIEFFERT, P.A 1625 RADIO DRIVE, SUITE 300 Address Line 1: Address Line 4: WOODBURY, MINNESOTA 55125

ATTORNEY DOCKET NUMBER: 1023-803US01

PATENT

REEL: 021573 FRAME: 0929

NAME OF SUBMITTER:	Jessica H. Kwak
Total Attachments: 10	
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PATENT REEL: 021573 FRAME: 0930 Attorney Docket No.: 1023-803US01 / P0033524.00

ASSIGNMENT

For valuable consideration, we, Jonathon E. Giftakis of 6741 Troy Lane N., Maple Grove, MN 55311; Peter J. Kovach of 211 Rice Creek Terrace NE, Fridley, MN 55432; Warren W. Ball of 12764 Killdeer St. NW, Coon Rapids, MN 55448; Jonathan C. Werder of 23160 Meadowview Drive, Corcoran, MN 55374; Nina M. Graves of 4312 Ridge Court, Minnetonka, MN 55391; David C. Ullestad of 8335 Urbandale Lane N., Maple Grove, MN 55311; and Sarah B. Alme of 11373 Fergus Street NE, Unit A, Blaine, MN 55449, 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 THERAPY ADJUSTMENT BASED ON PATIENT EVENT INDICATION, this assignment including said application, any provisional, continuation, continuation-in-part, divisional, reissue, renewal, extension or other application for any of said inventions or improvements, 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: 9/22/2008 Jonath	on E. Giftakis
basis of satisfactory evidence) to be the person(s	, 2008 before me, Kwla K. Weis, Giftakis personally known to me (or proved to me on the s) whose name is/are subscribed to within the instrument
and acknowledged to me that he/she/they execu-	ted the same in his/her/their authorized capacity, and that person(s), or the entity upon behalf of which the person(s)
KARLA K. WEIS NOTARY PUBLIC - MINNESOTA MY COMMISSION EXPIRES JANUARY 31, 2010	WITNESS my hand and official seal. **Jarla** 5- Ueir Signature of Notary Public My Commission Expires: January 31, 2010
Date: 9/22/2001 Peter J	Pelifel Kyrvach
State of Minnesota) County of Moka) Ss:	
On this Did day of September Notary Public, personally appeared Peter J. Kovo of satisfactory evidence) to be the person(s) who acknowledged to me that he/she/they executed the	ach personally known to me (or proved to me on the basis se name is/are subscribed to within the instrument and the same in his/her/their authorized capacity, and that by on(s), or the entity upon behalf of which the person(s)
	WITNESS my hand and official seal.
KARLA K. WEIS NOTARY PUBLIC - MINNESOTA MY COMMISSION EXPIRES JANUARY 31, 2010	Signature of Notary Public My Commission Expires: Tanuary 31, 2010

Date: 9-22-08	Wander Sty
State of Minnesute	rren W. Ball
County of Anote) ss:	
On this 2nd day of September Notary Public, personally appeared Warren of satisfactory evidence) to be the person(s) acknowledged to me that he/she/they execute	W. Ball personally known to me (or proved to me on the basis whose name is/are subscribed to within the instrument and ed the same in his/her/their authorized capacity, and that by person(s), or the entity upon behalf of which the person(s)
	WITNESS my hand and official seal.
KARLA K. WEIS NOTARY PUBLIC - MINNESOTA MY COMMISSION EXPIRES JANUARY 31, 2010	Signature of Notary Public My Commission Expires: Jaway 31, 2010
Date:	
Jona	athan C. Werder
State of)	
Ounty of) ss:	
On this day of	, 20 before me.
and acknowledged to me that he/she/they exe	, 20, before me,, C. Werder personally known to me (or proved to me on the on(s) whose name is/are subscribed to within the instrument cuted the same in his/her/their authorized capacity, and that he person(s), or the entity upon behalf of which the person(s)
	WITNESS my hand and official seal.
	Signature of Notary Public My Commission Expires:

Date: \$20-22-2008	Nina M. Graves
State of Mannesule)) ss: County of Anoke)	
Notary Public, personally appeared Ning basis of satisfactory evidence) to be the and acknowledged to me that he/she/the	a M. Graves personally known to me (or proved to me on the person(s) whose name is/are subscribed to within the instrument by executed the same in his/her/their authorized capacity, and that tent the person(s), or the entity upon behalf of which the person(s)
KARLA K. WEIS NOTARY PUBLIC - MINNESOTA MY COMMISSION EXPIRES JANUARY 31, 2010	WITNESS my hand and official seal. Signature of Notary Public My Commission Expires: January 31, 2010
Date: Set 22, 2008	David C. Ullestad
State of Minneyote) County of Anoka) ss:	
basis of satisfactory evidence) to be the pand acknowledged to me that he/she/they	MBer, 20 B, before me, Karla K. Wes dC. Ullestad personally known to me (or proved to me on the person(s) whose name is/are subscribed to within the instrument of executed the same in his/her/their authorized capacity, and that ent the person(s), or the entity upon behalf of which the person(s)
KARLA K. WEIS NOTARY PUBLIC - MINNESOTA MY COMMISSION EXPIRES JANUARY 31, 2010	WITNESS my hand and official seal. Signature of Notary Public My Commission Expires: January 31, 2010

Sarah B. A

State of Minnesute) County of Anoka

On this 22rd day of September, 2008, before me, Karla K. Wels

Notary Public, personally appeared Sarah B. Alme 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 within the 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.

KARLA K. WEIS **NOTARY PUBLIC - MINNESOTA** MY COMMISSION EXPIRES JANUARY 31, 2010

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

Attorney Docket No.: 1023-803US01 / P0033524.00

ASSIGNMENT

For valuable consideration, we, Jonathon E. Giftakis of 6741 Troy Lane N., Maple Grove, MN 55311; Peter J. Kovach of 211 Rice Creek Terrace NE, Fridley, MN 55432; Warren W. Ball of 12764 Killdeer St. NW, Coon Rapids, MN 55448; Jonathan C. Werder of 23160 Meadowview Drive, Corcoran, MN 55374; Nina M. Graves of 4312 Ridge Court, Minnetonka, MN 55391; David C. Ullestad of 8335 Urbandale Lane N., Maple Grove, MN 55311; and Sarah B. Alme of 11373 Fergus Street NE, Unit A, Blaine, MN 55449, 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 THERAPY ADJUSTMENT BASED ON PATIENT EVENT INDICATION, this assignment including said application, any provisional, continuation, continuation-in-part, divisional, reissue, renewal, extension or other application for any of said inventions or improvements, 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:		
		Jonathon E. Giftakis
State of)) ss:	
County of)	
Notary Public, perso basis of satisfactory and acknowledged to	mally appeared Jo evidence) to be to me that he/she/ ature on the instr	, 20, before me,, onathon E. Giftakis personally known to me (or proved to me on the he person(s) whose name is/are subscribed to within the instrument they executed the same in his/her/their authorized capacity, and that ument the person(s), or the entity upon behalf of which the person(s)
		WITNESS my hand and official seal.
	÷	Signature of Notary Public My Commission Expires:
Date:		Peter J. Kovach
State of)	
County of) ss:)	
of satisfactory evider acknowledged to me	nally appeared P nce) to be the per that he/she/they to on the instrum	, 20, before me,, eter J. Kovach personally known to me (or proved to me on the basis rson(s) whose name is/are subscribed to within the instrument and executed the same in his/her/their authorized capacity, and that by ent the person(s), or the entity upon behalf of which the person(s)
		WITNESS my hand and official seal.
		Signature of Notary Public My Commission Expires:

Date:		
		Warren W. Ball
State of)) ss:	
County of)	
Notary Public, per of satisfactory evica acknowledged to r	sonally appeared Wadence) to be the persone that he/she/they course on the instrument	, 20, before me,, arren W. Ball personally known to me (or proved to me on the basis son(s) whose name is/are subscribed to within the instrument and executed the same in his/her/their authorized capacity, and that by nt the person(s), or the entity upon behalf of which the person(s)
		WITNESS my hand and official seal.
		Signature of Notary Public My Commission Expires:
Date: Sept. 2	13, 2008	Jonathan C. Werder
State of Minne County of Line) ss:	the order of
Notary Public, per pasis of satisfactor and acknowledged	sonally appeared Jos y evidence) to be th I to me that he/she/th gnature on the instru	nathan C. Werder personally known to me (or proved to me on the e person(s) whose name is/are subscribed to within the instrument ney executed the same in his/her/their authorized capacity, and that ment the person(s), or the entity upon behalf of which the person(s)
,		WITNESS my hand and official seal.
No.	M. Cisewski tary Public Innesota Expires January 31, 2013	Marlos M. (Senda: Signature of Notary Public
	***	My Commission Expires:

Date:		
		Nina M. Graves
State of County of)) ss:	
County of	,	
Notary Public, perbasis of satisfactor and acknowledge	rsonally appeared Nin- ry evidence) to be the d to me that he/she/the gnature on the instrum	, 20, before me,, a M. Graves personally known to me (or proved to me on the person(s) whose name is/are subscribed to within the instrument by executed the same in his/her/their authorized capacity, and that the person(s), or the entity upon behalf of which the person(s)
		WITNESS my hand and official seal.
		Signature of Notary Public My Commission Expires:
Date:		David C. Ullestad
State of)	
) ss:	
County of)	
Notary Public, pe basis of satisfacto and acknowledge	rsonally appeared Dav ory evidence) to be the d to me that he/she/the gnature on the instrum	, 20, before me,, vid C. Ullestad personally known to me (or proved to me on the person(s) whose name is/are subscribed to within the instrument ey executed the same in his/her/their authorized capacity, and the nent the person(s), or the entity upon behalf of which the person(
		WITNESS my hand and official seal.
		Signature of Notary Public My Commission Expires:

Date:		
		Sarah B. Alme
State of)	
County of) ss:)	
On this	day of	, 20, before me,,
of satisfactory evid acknowledged to m	ence) to be the pers the that he/she/they care on the instrument	rah B. Alme personally known to me (or proved to me on the basis ion(s) whose name is/are subscribed to within the instrument and executed the same in his/her/their authorized capacity, and that by int the person(s), or the entity upon behalf of which the person(s)
		WITNESS my hand and official seal.
		Signature of Notary Public My Commission Expires:

RECORDED: 09/23/2008