

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

Fax Number: (651)735-1102
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
Phone: 651-735-1100
Email: pairedocketing@ssiplaw.com
Correspondent Name: SHUMAKER & SIEFFERT , P.A
Address Line 1: 1625 RADIO DRIVE , SUITE 300
Address Line 4: WOODBURY, MINNESOTA 55125

ATTORNEY DOCKET NUMBER:

1023-803US01

PATENT

REEL: 021573 FRAME: 0929

500655566

CH \$40.00 12236260

NAME OF SUBMITTER:

Jessica H. Kwak

Total Attachments: 10

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PATENT

REEL: 021573 FRAME: 0930

ASSIGNMENT

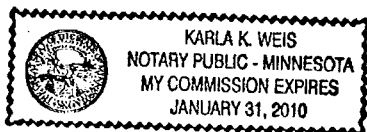
For valuable consideration, we, Jonathon E. Giftakis of 6741 Troy Lane N., Maple Grove, MN 55311; Peter J. Kovach of 211 Rice Creek Terrace NE, Fridley, MN 55432; Warren W. Ball of 12764 Killdeer St. NW, Coon Rapids, MN 55448; Jonathan C. Werder of 23160 Meadowview Drive, Corcoran, MN 55374; Nina M. 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.

Date: 9/22/2008

Jonathon E. Giftakis
Jonathon E. Giftakis

State of Minnesota)
County of Anoka) ss:

On this 22nd day of September, 2008, before me, Karla K. Weis,
Notary Public, personally appeared Jonathon E. Giftakis 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.

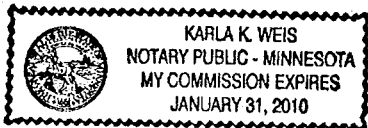
Karla K. Weis
Signature of Notary Public
My Commission Expires: January 31, 2010

Date: 9/22/2008

Peter J. Kovach
Peter J. Kovach

State of Minnesota)
County of Anoka) ss:

On this 22nd day of September, 2008, before me, Karla K. Weis,
Notary Public, personally appeared Peter J. Kovach 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
Signature of Notary Public
My Commission Expires: January 31, 2010

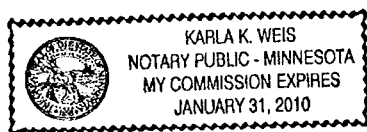
Date: 9-22-08

Warren W. Ball
Warren W. Ball

State of Minnesota)
County of Anoka) ss:

On this 22nd day of September, 2008, before me, Karla K. Weis,
Notary Public, personally appeared Warren W. Ball 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
Signature of Notary Public
My Commission Expires: January 31, 2010

Date: _____

Jonathan C. Werder

State of _____)
County of _____) ss:

On this _____ day of _____, 20____, before me, _____,
Notary Public, personally appeared Jonathan C. Werder 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.

Signature of Notary Public
My Commission Expires:

Date:

Sep 22-2008

Nina M. Graves

Nina M. Graves

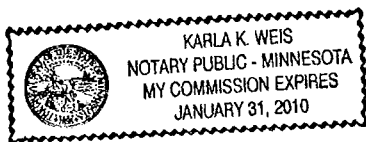
State of Minnesota)

) ss:

County of Anoka)

On this 22nd day of September, 2008, before me, Karla K. Weis,
Notary Public, personally appeared Nina M. Graves 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

Signature of Notary Public

My Commission Expires: January 31, 2010

Date:

Sep 22, 2008

David C. Ullestad

David C. Ullestad

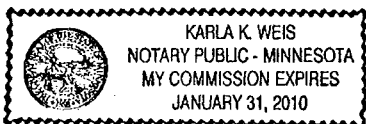
State of Minnesota)

) ss:

County of Anoka)

On this 22nd day of September, 2008, before me, Karla K. Weis,
Notary Public, personally appeared David C. Ullestad 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

Signature of Notary Public

My Commission Expires: January 31, 2010

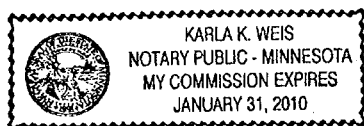
Date: 9/22/08

Sarah B Alme
Sarah B. Alme

State of Minnesota)
County of Anoka) ss:

On this 22nd day of September, 2008, before me, Karla K. Weis,
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
Signature of Notary Public
My Commission Expires: January 31, 2010

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.

Date: _____

Jonathon E. Giftakis

State of)
County of) ss:
)

On this _____ day of _____, 20____, before me, _____,
Notary Public, personally appeared Jonathon E. Giftakis 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.

Signature of Notary Public
My Commission Expires:

Date: _____

Peter J. Kovach

State of)
) ss:
County of)

On this _____ day of _____, 20____, before me, _____,
Notary Public, personally appeared Peter J. Kovach 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.

Signature of Notary Public
My Commission Expires:

Date: _____

Warren W. Ball


State of)
) ss:
County of)

On this _____ day of _____, 20____, before me, _____,
Notary Public, personally appeared Warren W. Ball 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.

Signature of Notary Public
My Commission Expires:


Date: Sept. 23, 2000


Jonathan C. Werder

State of Minnesota)
County of Anoka) ss:

On this 23rd day of September, 2018, before me, Marjorie M. Ciesewski
Notary Public, personally appeared Jonathan C. Werder 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.

 Marys M. Cisewski
Notary Public
Minnesota
My Commission Expires January 31, 2013

Signature of Notary Public
My Commission Expires:

Date: _____

Nina M. Graves

State of)
) ss:
County of)

On this _____ day of _____, 20____, before me, _____,
Notary Public, personally appeared Nina M. Graves 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.

Signature of Notary Public
My Commission Expires:

Date: _____

David C. Ullestad

State of)
) ss:
County of)

On this _____ day of _____, 20____, before me, _____,
Notary Public, personally appeared David C. Ullestad 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.

Signature of Notary Public
My Commission Expires:

Date: _____

Sarah B. Alme

State of)
) ss:
County of)

On this _____ day of _____, 20____, before me, _____,
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.

Signature of Notary Public
My Commission Expires: