

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT4506843

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JIANPING WU	11/12/2008
GREGORY F. MOLNAR	11/12/2008
GABRIELA C. MIYAZAWA	11/14/2008
TIMOTHY J. DENISON	11/14/2008
RECEIVING PARTY DATA	
Name:	MEDTRONIC, INC.
Street Address:	710 MEDTRONIC PARKWAY NE
City:	MINNEAPOLIS
State/Country:	MINNESOTA
Postal Code:	55432
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15651850
CORRESPONDENCE DATA	
Fax Number:	(651)735-1102
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	651-735-1100
Email:	pairedocketing@ssiplaw.com
Correspondent Name:	SHUMAKER & SIEFFERT , P.A
Address Line 1:	1625 RADIO DRIVE , SUITE 100
Address Line 4:	WOODBURY, MINNESOTA 55125
ATTORNEY DOCKET NUMBER:	1023-779US03/P031538.USC8
NAME OF SUBMITTER:	JENNIFER DALLMAN
SIGNATURE:	/Jennifer Dallman/
DATE SIGNED:	07/17/2017
Total Attachments: 3	
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ASSIGNMENT

For valuable consideration, we, Jianping Wu of 2516 Silver Lane NE, Apt 305, St. Anthony, MN 55421, Gregory F. Molnar of 1552 Woodside Ct. NE, Fridley, MN 55432, Gabriela C. Miyazawa of 1552 Woodside Ct. NE, Fridley, MN 55432 and Timothy J. Denison of 4441 Beard Avenue S, Minneapolis, MN 55410, 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 SLEEP STAGE DETECTION, filed September 25, 2008, and assigned U.S. Serial Number 12/238,105; 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, including U.S. provisional application no. 61/023,522 filed January 25, 2008 and U.S. provisional application no. 61/049,166 filed April 30, 2008, 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: Nov. 12, 2008

Jianping Wu
Jianping Wu

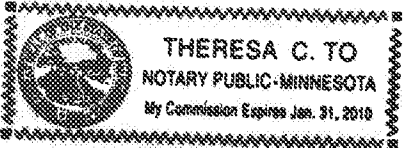
State of Minnesota)

County of Anoka)

) ss:

On this 12th day of November, 2008, before me, Theresa C. To, Notary Public, personally appeared Jianping Wu 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.



Theresa C. To
Signature of Notary Public
My Commission Expires:

Date: 11.12.08

Gregory F. Molnar
Gregory F. Molnar

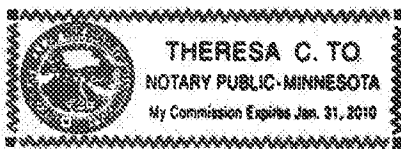
State of Minnesota)

County of Anoka)

) ss:

On this 12th day of November, 2008, before me, Theresa C. To, Notary Public, personally appeared Gregory F. Molnar 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.



Theresa C. To
Signature of Notary Public
My Commission Expires:

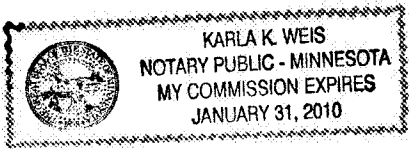
Date: 11/14/08

Gabriela C. Miyazawa
Gabriela C. Miyazawa

State of Minnesota)
) ss:
County of Anoka)

On this 14th day of November, 2008, before me, Karla K. Weis,
Notary Public, personally appeared Gabriela C. Miyazawa 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: 1-31-2010

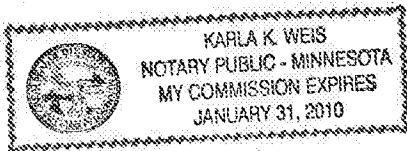
Date: 14 Nov 2008

Timothy J. Denison
Timothy J. Denison

State of Minnesota)
) ss:
County of Anoka)

On this 14th day of November, 2008, before me, Karla K. Weis
Notary Public, personally appeared Timothy J. Denison 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: 1-31-2010