# PATENT ASSIGNMENT

# Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
Michael W. Barror	12/19/2008
William D. Verhoef	01/20/2009
Robert S. Wentink	01/20/2009
Gregory J. Haubrich	01/20/2009
Joyce K. Yamamoto	12/19/2008

#### RECEIVING PARTY DATA

Name:	MEDTRONIC, INC.
Street Address:	710 Medtronic Parkway N.E.
City:	Minneapolis
State/Country:	MINNESOTA
Postal Code:	55432-5640

#### PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12347540

# **CORRESPONDENCE DATA**

Fax Number: (763)505-2530

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

Phone: 763-514-4000

Email: blancheb@gtlaw.com
Correspondent Name: MEDTRONIC, INC.

Address Line 1: 710 Medtronic Parkway N.E.

Address Line 2: Mail Stop LC340

Address Line 4: Minneapolis, MINNESOTA 55432-5640

ATTORNEY DOCKET NUMBER: P0032737 (013900)

NAME OF SUBMITTER: Angela Williams

**PATENT** 

REEL: 023033 FRAME: 0429

CH \$40.00 1234/

500924881

# Total Attachments: 19

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RECORDATION FORM COVER SHEET  DATENTS ONLY	
PATENTS ONLY	
	e record the attached documents or the new address(es) below.
Name of conveying party(ies)     Michael W. Barror; William D. Verhoef; Robert S. Wentink;	2. Name and address of receiving party(ies)
Gregory J. Haubrich; and Joyce K. Yamamoto.	Name: MEDTRONIC, INC.
	Internal Address:
Additional name(s) of conveying party(ies) attached? Yes X No	
3. Nature of conveyance/Execution Date(s):  12/19/2008; 01/20/2009; 01/20/2009;  Execution Date(s) 01/20/2009: and 12/19/2008.	Street Address: _710 Medtronic Parkway N.E
Security Agreement Change of Name	City: Mineapolis
Joint Research Agreement	State: Minnesota
Government Interest Assignment	Country: USA Zip: 55432-5640
Executive Order 9424, Confirmatory License	Country: USA Zip: 55432-5640
Other	Additional name(s) & address(es) attached?  Yes  No
A. Patent Application No.(s)  12/347,540  Additional numbers att	B. Patent No.(s)
5. Name and address to whom correspondence	6. Total number of applications and patents
concerning document should be mailed:	involved:
Name: MEDTRONIC, INC.	7. Total fee (37 CFR 1.21(h) & 3.41) \$_40.00
Internal Address:	
Street Address: 710 Medtronic Parkway N.E.	Enclosed
Mail Stop LC340	None required (government interest not affecting title)
City: Mineapolis	8. Payment Information
State:Zip:Zip:	
Phone Number: 763-514-4000	Deposit Account Number _ 502638
Fax Number: 763-505-2530	•
Email Address: blancheb@gtlaw.eom	Authorized User Name Greenberg Traurig LLP
9. Signature:	July 30, 2009
Signature	Date
Bradley D. Blanche Name of Person Signing	Total number of pages including cover sheet, attachments, and documents:

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:

Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

#### **ASSIGNMENT**

WHEREAS, We, Michael W. Barror, a citizen of the United States of America, residing at 870 South 132<sup>nd</sup> Street, Gilbert, Arizona, William D. Verhoef, a citizen of the United States of America, residing at 13825 Evergreen Street NW, Andover, Minnesota 55304, Robert S. Wentink, a citizen of The United States of America, residing at 6344 White Owl Drive, Lino Lakes, MN 55014, Gregory J. Haubrich, a citizen of The United States of America, residing at 11190 Hillsboro Avenue N., Champlin, MN 55316, and Joyce K. Yamamoto, a citizen of The United States of America, residing at 6283 Niagara Lane N., Maple Grove, Minnesota 55311, are the inventors with residence and citizenship as indicated above, have made an invention entitled EXTERNAL RF TELEMETRY MODULE FOR IMPLANTABLE MEDICAL DEVICES that is the subject of Utility Application Serial Number ( 12/347,540 United States \_), [We hereby authorize the Corporation's representatives to insert the application serial number and filing date of said utility application above in the parentheses when knownl:

WHEREAS, <u>MEDTRONIC</u>, INC., 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.</u>, <u>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 also hereby authorize Corporation and its employees to fill in the serial number and filing date above after this document has been executed;

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 hereby grant Corporation the right to fill in the serial number and filing date in this document upon their receipt;

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

ASSIGNMENT Page 1 of 6 P0032737 (062032-013900)

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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.

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

IN WITNESS WHEREOF, I have hereunto set my hand on this day of December, 2008.
SHEILA MAE BELL NOTARY PUBLIC - ARIZONA MARICOPA COUNTY My Commission Expires November 30, 2011  STATE OF Maricopa  COUNTY OF Maricopa
STATE OF COOL STATE
COUNTY OF Maricofa
On this, day of
IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal of my office, the day and year above written.
Maila Mag Bell
Notary Public

ASSIGNMENT Page 2 of 6 P0032737 (062032-013900)

IN WITNESS WHEREOF, I have hereunto set my hand on this day of, 2008.
William D. Verhoef
STATE OF MINNESOTA
COUNTY OF
On this
Notary Public

ASSIGNMENT Page 3 of 6 P0032737 (062032-013900)

et my hand on this day of
Robert S. Wentink
, 2008, before me personally person described in and who executed the xecuted the same as his/her free act and ixed my official signature with the seal of my
Notary Public

ASSIGNMENT Page 4 of 6 P0032737 (062032-013900)

IN WITNESS WHEREOF, I have hereunto set my hand on this, 2008.	day of
Gregory J. Haubrich	
STATE OF MINNESOTA	
COUNTY OF	
On this day of, 2008, becappeared Gregory J. Haubrich, to me known to be the person described in ar foregoing instrument and acknowledged that s/he executed the same as lideed.  IN WITNESS WHEREOF, I have hereunto affixed my official signature office, the day and year above written.	his/her free act and
Notary Public	

ASSIGNMENT Page 5 of 6 P0032737 (062032-013900)

IN WITNESS WHEREOF, I have hereunto set my hand on this, 2008.	day of
Joyce K. Yamamoto	
STATE OF MINNESOTA	
COUNTY OF	
On this day of, 2008, before reappeared Joyce K. Yamamoto, to me known to be the person described in and who foregoing instrument and acknowledged that s/he executed the same as his/her deed.  IN WITNESS WHEREOF, I have hereunto affixed my official signature with office, the day and year above written.	free act and
Notary Public	

ASSIGNMENT Page 6 of 6 P0032737 (062032-013900)

#### **ASSIGNMENT**

WHEREAS, We, Michael W. Barror, a citizen of the United States of America, residing at 870 South 132<sup>nd</sup> Street, Gilbert, Arizona, William D. Verhoef, a citizen of the United States of America, residing at 13825 Evergreen Street NW, Andover, Minnesota 55304, Robert S. Wentink, a citizen of The United States of America, residing at 6344 White Owl Drive, Lino Lakes, MN 55014, Gregory J. Haubrich, a citizen of The United States of America, residing at 11190 Hillsboro Avenue N., Champlin, MN 55316, and Joyce K. Yamamoto, a citizen of The United States of America, residing at 6283 Niagara Lane N., Maple Grove, Minnesota 55311, are the inventors with residence and citizenship as indicated above, have made an invention entitled EXTERNAL RF TELEMETRY MODULE FOR IMPLANTABLE MEDICAL DEVICES that is the subject of Application Serial Number 12/347,540 Utility United States ), [We hereby authorize the Corporation's representatives to insert the application serial number and filing date of said utility application above in the parentheses when known];

WHEREAS, <u>MEDTRONIC</u>, <u>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.</u>, <u>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 also hereby authorize Corporation and its employees to fill in the serial number and filing date above after this document has been executed;

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 hereby grant Corporation the right to fill in the serial number and filing date in this document upon their receipt;

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

ASSIGNMENT Page 1 of 6 P0032737 (062032-013900)

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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 2 of 6 P0032737 (062032-013900)

IN WITNESS WHEREOF, I have hereunto set my hand on this20 <sup>th</sup> day of, 200%.
William D. Verhoef
William D. Verhoef
STATE OF MINNESOTA
COUNTY OF REDDER
On this
IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal of my office, the day and year above written.
Notary Public Notary Public



IN WITNESS WHEREOF, I have hereunto set my hand on this day of
Robert S. Wentink
Robert 5. Weithin
STATE OF MINNESOTA
COUNTY OF Runsey
On this
office, the day and year above written.
Notary Public Deploy
TAMARA D. DUFFNEY Notary Public-State of Minnesota My Commission Expires January 31, 2011

IN WITNESS WHEREOF, I have hereunto set my hand on this 20 <sup>TH</sup> day of <u>JANARY</u> , 200 <del>8.</del> 9 カリタ
Gregory J. Haubrich
STATE OF MINNESOTA
COUNTY OF Ramsey
On this day of, 2008, before me personally appeared <u>Gregory J. Haubrich</u> , 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.
Notary Public Duplic
TAMARA D. DUFFNEY Notary Public-State of Minnesota My Commission Expires January 31, 2011

ASSIGNMENT Page 5 of 6 P0032737 (062032-013900)

IN WITNESS WHEREOF, I have hereunto set my	y hand on this day of
	yce K. Yamamoto
	,00 M . a.mamoto
STATE OF MINNESOTA	
COUNTY OF	
On this day of appeared Joyce K. Yamamoto, to me known to be the perforegoing instrument and acknowledged that s/he execudeed.  IN WITNESS WHEREOF, I have hereunto affixed	son described in and who executed the sted the same as his/her free act and
office, the day and year above written.	
Notar	y Public

ASSIGNMENT Page 6 of 6 P0032737 (062032-013900)

# **ASSIGNMENT**

WHEREAS. We, Michael W. Barror, a citizen of the United States of America, residing at 870 South 132<sup>nd</sup> Street, Gilbert, Arizona, William D. Verhoef, a citizen of the United States of America, residing at 13825 Evergreen Street NW, Andover, Minnesota 55304, Robert S. Wentink, a citizen of The United States of America, residing at 6344 White Owl Drive, Lino Lakes, MN 55014, Gregory J. Haubrich, a citizen of The United States of America, residing at 11190 Hillsboro Avenue N., Champlin, MN 55316, and Joyce K. Yamamoto, a citizen of The United States of America, residing at 6283 Niagara Lane N., Maple Grove, Minnesota 55311, are the inventors with residence and citizenship as indicated above, have made an invention entitled EXTERNAL RF TELEMETRY MODULE FOR IMPLANTABLE MEDICAL DEVICES that is the subject of 12/347,540 Application Serial Number United States Utility ), [We hereby authorize the Corporation's representatives to insert Dec. 31, 2008 the application serial number and filing date of said utility application above in the parentheses when known]:

WHEREAS, MEDTRONIC, INC., a corporation organized and existing under the laws of the State of Minnesota and having a principal place of business at 710 Medtronic Parkway N.E., Minneapolis, Minnesota 55432-5640, 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 also hereby authorize Corporation and its employees to fill in the serial number and filing date above after this document has been executed;

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 hereby grant Corporation the right to fill in the serial number and filing date in this document upon their receipt;

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

ASSIGNMENT Page 1 of 6 P0032737 (062032-013900)

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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.

Letters Patent to Corporation in accordance with this instrument.
IN WITNESS WHEREOF, I have hereunto set my hand on this day of, 2008.
Michael William Barror
STATE OF
COUNTY OF
On this day of, 2008, before me personally appeared Michael William Barror, 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.
oπice, the day and year above written.
Notary Public

ASSIGNMENT Page 2 of 6 P0032737 (062032-013900)

IN WITNESS WHEREOF, I have hereunto set my hand on this day of, 2008.
William D. Verhoef
STATE OF MINNESOTA
COUNTY OF
On this day of, 2008, before me personally appeared William D. Verhoef, 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.
Notary Public

ASSIGNMENT Page 3 of 6 P0032737 (062032-013900)

IN WITNESS WHEREOF, I have hereunto set my hand on this day of, 2008.
Robert S. Wentink
STATE OF MINNESOTA
COUNTY OF
On this, day of, 2008, before me personally appeared Robert S. Wentink, 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.
Notary Public

ASSIGNMENT Page 4 of 6 P0032737 (062032-013900)

IN WITNESS WHEREOF, I have hereunto set my hand on this, 2008.	day of
Gregory J. Haubrich	
STATE OF MINNESOTA	
COUNTY OF	
On this, day of, 2008, before me per appeared Gregory J. Haubrich, to me known to be the person described in and who executed instrument and acknowledged that s/he executed the same as his/her free deed.  IN WITNESS WHEREOF, I have hereunto affixed my official signature with the serioffice, the day and year above written.	uted the act and
Notary Public	

ASSIGNMENT Page 5 of 6 P0032737 (062032-013900)

IN WITNESS WHEREOF, I have hereunto set my hand on this day of day of and day of
Joyce K. Yamamoto
STATE OF MINNESOTA
COUNTY OF Anolin
On this
IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal of my office, the day and year above written.
Meila Synn techer
SHEILA LYNN RECHER NOTAFIY PUBLIC - MINNESOTA My Comnission Expires Jan. 31, 2010

**ASSIGNMENT** Page 6 of 6 P0032737 (062032-013900)

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**PATENT** REEL: 023033 FRAME: 0449

**RECORDED: 07/30/2009**