

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3698674

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MARSHALL L. SHERMAN	01/27/2011
CATHERINE R. CONDIE	02/01/2011
MARK T. STEWART	02/01/2011
RECEIVING PARTY DATA	
Name:	MEDTRONIC ABLATION FRONTIERS LLC
Street Address:	710 MEDTRONIC PARKWAY, NE
City:	MINNEAPOLIS
State/Country:	MINNESOTA
Postal Code:	55432
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14996875
CORRESPONDENCE DATA	
Fax Number:	(954)828-9122
<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:	954-828-1488
Email:	ptomail@cwiplaw.com
Correspondent Name:	JOHN CHRISTOPHER
Address Line 1:	CHRISTOPHER & WEISBERG, P.A.
Address Line 2:	200 EAST LAS OLAS BOULEVARD, SUITE 2040
Address Line 4:	FORT LAUDERDALE, FLORIDA 33301
ATTORNEY DOCKET NUMBER:	21819B-307CON
NAME OF SUBMITTER:	JOHN CHRISTOPHER
SIGNATURE:	/John Christopher/
DATE SIGNED:	01/15/2016
Total Attachments: 5	
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TO:CHRISTOPHER & WEISBERG, P.A. COMPANY:200 EAST LAS OLAS BOULEVARD

PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.103/07/2011
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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Marshall L. SHERMAN</td><td>01/27/2011</td></tr><tr><td>Catherine R. CONDIE</td><td>02/01/2011</td></tr><tr><td>Mark T. STEWART</td><td>02/01/2011</td></tr></tbody></table>		Name	Execution Date	Marshall L. SHERMAN	01/27/2011	Catherine R. CONDIE	02/01/2011	Mark T. STEWART	02/01/2011
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Catherine R. CONDIE	02/01/2011								
Mark T. STEWART	02/01/2011								
RECEIVING PARTY DATA									
Name:	Medtronic Ablation Frontiers LLC								
Street Address:	710 Medtronic Parkway								
City:	Minneapolis								
State/Country:	MINNESOTA								
Postal Code:	55432								
PROPERTY NUMBERS Total: 1									
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>13017122</td></tr></tbody></table>		Property Type	Number	Application Number:	13017122				
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<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	954-828-1488								
Email:	ptomail@cwiplaw.com								
Correspondent Name:	Christopher & Weisberg, P.A.								
Address Line 1:	200 East Las Olas Boulevard								
Address Line 2:	Suite 2040								
Address Line 4:	Fort Lauderdale, FLORIDA 33301								
ATTORNEY DOCKET NUMBER:	21819B-307U								
NAME OF SUBMITTER:	John Christopher								
Total Attachments: 3 source=Executed Patent Assignment - 21819B-307U#page1.tif									

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TO:CHRISTOPHER & WEISBERG, P.A. COMPANY:200 EAST LAS OLAS BOULEVARD

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ASSIGNMENT OF APPLICATION

Whereas I/we, the below named inventor(s), with residence and citizenship as indicated below, have made an invention in

MULTI FREQUENCY AND MULTI POLARITY COMPLEX IMPEDANCE MEASUREMENTS TO ASSESS ABLATION LESIONS

- ☐ for which an application for a United States Patent is being filed contemporaneously herewith;
- ☒ for which an application for a United States Patent identified as U.S. Patent Application No. 13/017122 ; was filed on January 31, 2011;
- ☐ which application is identified as PCT International Patent Application No. ; filed ;

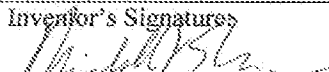
Whereas, Medtronic Ablation Frontiers LLC, a limited liability corporation organized and existing under the laws of the State of Delaware and having a principal place of business at 710 Medtronic Parkway, Minneapolis, MN 55432, hereinafter referred to as "Corporation," is desirous of acquiring the entire 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 therefore;

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 therefore 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 benefit and use and benefit 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, including the right to enforce such Letters Patent as fully and entirely as the same would have been held and enjoyed by the assignors if this assignment had not been made; together with all claims by assignors for damages by reason of past infringement or for provisional rights and including the right to sue for, and collect the same for its own use and benefit, and for the use and benefit of its successors, assigns, and other legal representatives;

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, 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 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.

In witness whereof, I/we have signed my/our name(s) on the day and year set forth below.

Given Name (first and middle initial [if any]): Marshall L.		Family Name or Surname (last name): SHERMAN	
Inventor's Signatures: 		Date: 1/27/11	
Residence (City and State): 875 Nolbey Street, Cardiff by the Sea, CA 92007		Country: US	Citizenship: US

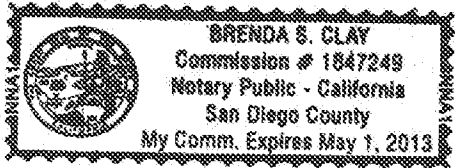
STATE OF CALIFORNIA)
) ss.
COUNTY OF San Diego)

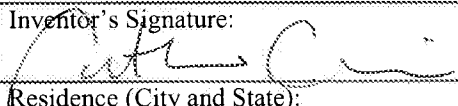
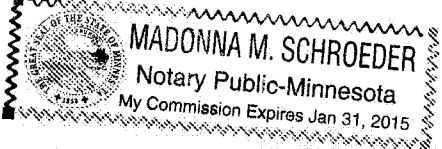
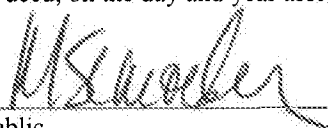
On 27 Jan 2011, before me, Brenda S Clay, Notary Public, personally appeared Marshall L Sherman, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signatures(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

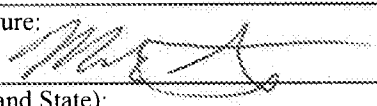
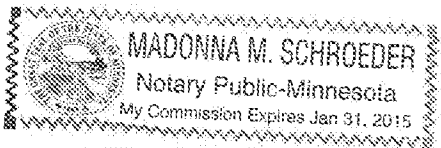
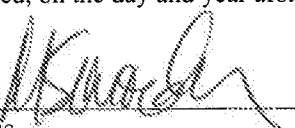
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Brenda S Clay
Signature



Given Name (first and middle initial [if any]): Catherine R.		Family Name or Surname (last name): CONDIE	
Inventor's Signature: 		Date: Feb 1, 2011	
Residence (City and State): 4187 Reiland Lane, Shoreview MN 55126		Country: US	Citizenship: US
STATE OF <u>Minnesota</u> COUNTY OF <u>Ramsey</u> ss. On this <u>1st</u> day of <u>February</u> , 2011, before me personally appeared the above-named, and who executed the foregoing instrument, as said person's free act and deed, on the day and year aforesaid.			
(Seal) 		 Notary Public	

Given Name (first and middle initial [if any]): Mark T.		Family Name or Surname (last name): STEWART	
Inventor's Signature: 		Date: Feb 1, 2011	
Residence (City and State): 6250 Baldwin Lake Road, Lino Lakes, MN 55014		Country: US	Citizenship: US
STATE OF <u>Minnesota</u> COUNTY OF <u>Ramsey</u> ss. On this <u>1st</u> day of <u>February</u> , 2011, before me personally appeared the above-named, and who executed the foregoing instrument, as said person's free act and deed, on the day and year aforesaid.			
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