PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

/ersion v1.1 EPAS ID: PAT3295638

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CATHERINE R. CONDIE	04/02/2015
MARSHALL L. SHERMAN	04/01/2015
CORINNE WEYRAUCH	04/02/2015
STEVEN J. FRAASCH	04/02/2015
TRENTON JAY REHBERGER	04/02/2015

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:	14677740

CORRESPONDENCE DATA

Fax Number: (954)828-9122

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.

Phone: 954-828-1488

Email: ptomail@cwiplaw.com

Correspondent Name: JOHN CHRISTOPHER

Address Line 1: CHRISTOPHER & WEISBERG, P.A.

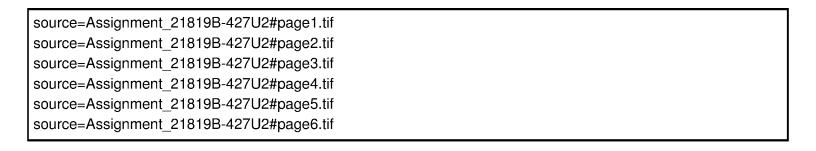
Address Line 2: 200 EAST LAS OLAS BOULEVARD, SUITE 2040

Address Line 4: FORT LAUDERDALE, FLORIDA 33301

ATTORNEY DOCKET NUMBER:	21819B-427U2
NAME OF SUBMITTER:	JOHN CHRISTOPHER
SIGNATURE:	/John Christopher/
DATE SIGNED:	04/02/2015
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Total Attachments: 6

PATENT REEL: 035324 FRAME: 0907



PATENT REEL: 035324 FRAME: 0908

Attorney Docket No.: C00008452.USU2 (21819B-427U2)

ASSIGNMENT OF APPLICATION

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

	TISSUE CONTACT SENSING WITH A MULTI ELECTRODE ABLATION CATHETER
\boxtimes	for which an application for a United States Patent or a U.S. Provisional Application is being filed contemporaneously herewith;
	for which an application for a United States Patent identified as U.S. Patent Application No. ; was filed on ;
	for which an application for a U.S. Provisional Application No. ; was filed on ;
	for which above application claims priority to U.S. Provisional Patent Application No. ; filed on ;
	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

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, NE, 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.

Page 1 of 6 Attorney Docket No.: C00006452.USU2 (21819B-427U2)
Medironic Ablation Frontiers LLC, 710 Medironic Parkway, NE, Minneapolis, MN 55432

I/We do hereby authorize and request the Commissioner of Patents to issue any and all Letters Patent which may be granted upon any of the said applications, to said <u>Medtronic Ablation Frontiers LLC</u> as the assignee of the entire right, title, and interest therein.

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]): Catherine R.	Family Name or Surname (last name): CONDIE		
Invento)'s Signature:	Date: April 2, 2013	>	
Residence (City and State):	Country:	Citizenship:	
Shoreview, MN	US	US	
STATE OF MASH ss. COUNTY OF LAWS ss. On this day of			
(Seal) MADONNA M. SCHROEDER Notary Public State of Minnesota My Commission Expires January 31, 2020	Notary Public		

Given Name (first and middle initial [if any]): Marshall L.	Family Name or Surname (last name): SHERMAN		
Invertor's Signature:	Date: 4 / / / 20 / 5		
Residence (City and State): Cardiff By The Sea, CA	Country: US	Citizenship: US	
STATE OF CALIFORNIA)) ss. COUNTY OF)			
On ANY 1. 205. before me, MONTO. Notary Public, personally appeared NOTO. Notary Public, personally appeared NOTO. Notary Public, personally appeared 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. Commission # 188884 Resury Public - California Ban Diago County By Comm. Expires Jan 14, 2018			

REEL: 035324 FRAME: 0911

Given Name (first and middle initial [if any]): Corinne	Family Name or Su WEYRAUCH	Family Name or Surname (last name): WEYRAUCH	
Inventor's Signature:	Date: 4/2//	Date: 4/2//5	
Residence (City and State): Brooklyn Park, MN	Country: US	Citizenship: US	
STATE OF New York)) ss. COUNTY OF TorrowNS On this 202 day of April and who executed the foregoing instrument, as said		me personally appeared the above-named , the day and year aforesaid.	
Unde J. Cox Public, State of New York No. 01 COS094782 od in Tempkins County Expires Jan. 29, 20	Notary Public	<u> </u>	

Assignment

Page 4 of 6 Attorney Docket No.: C00008452.USU2 (21819B-427U2)
Medtronic Abiation Frontiers LLC, 710 Medtronic Parkway, NE, Minneapolis, MN 55432

m	Given Name (first and middle initial [if any]): Steven J.	Family Name or Surname (last name): FRAASCH		
decessores de la constante de	Inventor's Signature:	Date: April	L 2015	
-	Residence (City and State);	Country:	Citizenship:	
100000	Maple Grove, MN	us	US	
- Andreas - Andr	STATE OF COUNTY			
www.coccooccooccooccoocc	(Seal) MADONNA M. SCHROEDER Notary Public State of Minnesota My Commission Expires January 31, 2020	Notary Public		

Given Name (first and middle initial [if any]): Trenton Jay	Family Name or Surname (la REHBERGER	ast name):
Inventor's Signature:	Date:	1 ~
	LA Dri	12013
Residence (City and State):	Country:	Citizenship:
Minneapolis, MN	US	US
STATE OF MUNICIPAL STATE OF MUNI	- Announce of the Control of the Con	<u> </u>
P. novill ss.		
COUNTY OF COUNTY OF	dell a service.	
COUNTY OF LANGUEY SS. On this And day of April	, A before me person	nally appeared the above-named,
and who executed the foregoing instrument, as said person's	free act and deed, on the day as	nd year aforesaid.
(Seal) MADONNA M. SCHROEDER Notery Public State of Minnesots My Commission Expires January 31, 2020	Kurd	
January 31, 2020	Notary Public	