503801713 04/27/2016

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
ANDREA J. ASLESON	04/27/2016
RONALD A. DRAKE	04/26/2016
TRENT M. FISCHER	04/27/2016
LESTER O. STENER	04/27/2016
BRIDGET A. PORTWAY	04/27/2016

RECEIVING PARTY DATA

Name:	MEDTRONIC, INC.	
Street Address:	710 MEDTRONIC PARKWAY NE.	
Internal Address:	MS: LC340	
City:	MINNEAPOLIS	
State/Country:	MINNESOTA	
Postal Code:	55432	

PROPERTY NUMBERS Total: 2

Property Type	Number	
Application Number:	15139686	
Application Number:	62247889	

CORRESPONDENCE DATA

Fax Number: (651)367-0471

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: 763-526-0929

Email: madonna.schroeder@medtronic.com

Correspondent Name: MICHAEL J. OSTROM

Address Line 1: 710 MEDTRONIC PARKWAY NE.

Address Line 2: MS: MVC22

Address Line 4: MINNEAPOLIS, MINNESOTA 55432

ATTORNEY DOCKET NUMBER:	C00011599.USP1/USU2	
NAME OF SUBMITTER:	MICHAEL J. OSTROM	
SIGNATURE:	/Michael J. Ostrom/	
DATE SIGNED:	04/27/2016	

503801713 PATENT REEL: 038536 FRAME: 0992

Total Attachments: 3

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PATENT REEL: 038536 FRAME: 0993

Attorney Docket No.: C00011599.USU2

ASSIGNMENT OF APPLICATION(S)

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

MULTI-PURPOSE MEDICAL TOOLS AND METHODS FOR GAINING ACCESS TO EXTRAVASCULAR SPACES IN A PATIENT 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. 62/247,889; filed on
October, 29, 2015;

which application is identified as PCT International Patent Application No.; filed;

Whereas, <u>Medtronic, Inc.</u>, a corporation organized and existing under the laws of the State of Minnesota and having a principle place of business at <u>710 Medtronic Parkway N.E.</u>, <u>Minneapolis</u>, <u>Minnesota 55432-5604</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 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 application(s) identified above and in and to any application claiming benefit thereto 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.

Assignment

Page 1 of 3 Attorney Docket No.: C00011599.USU2 Medironic, Inc., 710 Medironic Parkway, Minneapolis, MN 55432

PATENT REEL: 038536 FRAME: 0994 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 Medtronic, Inc., 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]): Family Name or Surname (last name): Andrea J. ASLESON City and State: Country: Citizenship: US Maple Grove, Minnesota STATE OF MINNESOTA On this Harday of Harday of Harday of Harday and who executed the foregoing instrument, as said person's free act and deed, on the day and year aforesaid. MADONNA M. SCHROEDER (Seal) Notary Public State of Minnesota My Commission Expires January 31, 2020 Given Name (first and middle initial [if any]): Family Name or Surname (last name): Ronald A. DRAKE Inventor's Signature: Citizenship: Residence (City and State): Country: US St. Louis Park, Minnesota STATE OF MINNESOTA) On this Ath day of \mathcal{IUL} , 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. MADONNA M. SCHROEDER Notary Public (Seal) State of Minnesota My Commission Expires

> Page 2 of 3 Meditronic, Inc., 710 Meditronic Parkway, Minneapolis, MN 55432

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Given Name (first and middle initial [if any]): Trent M.	Family Name or Surname (last name): FISCHER			
Inventor's Signature:		Date: 4/27/16		
Residence (City and State): St. Paul, Minnesota		Country: US	Citizenship: US	
STATE OF MINNESOTA)				
COUNTY OF RANSEY On this 24 day of 4 day of and who executed the foregoing instrument, as sai	d neverale		nally appeared the above-named ,	
(Seal) MADONNA M. SCHROEDER Notary Public State of Minnesots My Commission Expires	o periodo de la compansión de la compans	Motary Public		
January 31, 2020)	3.00m à 1.200.00		
Given Name (first and middle initial [if any]): Lester O.	Family N	ame or Surname (last name):		
Inventor's Signature	***************************************	27 APR 16		
Residence (City and State): Hudson, Wisconsin			Citizenship: US	
STATE OF WISCONSTN SS. COUNTY OF AMGE OF A STATE OF A	-	DUC, before me person free act and deed, on the day a	nally appeared the above-named, and year aforesaid.	
(Scal) (Scal) MADONNA M. SCHROEDE Notary Poblic State of Minnesote My Commission Expires January 31, 2020	8	Notary Public		
Given Name (first and middle initial [if any]): Bridget A.	Family N PORTV	iame or Surname (last name): VAY		
Insenter's Signature: By Late a Portung		Date: april 27,	2016	
Residence (City and State): White Bear Township, Minnesota		Country: US	Citizenship: US	
STATE OF MINNESOTA)) ss.				
COUNTY OF RAMSEY) On this Hard day of Hard and who executed the foregoing instrument, as sa	id person's	106 , before me perso free act and deed, on the day a	nally appeared the above-named , and year aforesaid.	
(Seal) MADONNA M. SCHROEDI Notary Public State of Minnesota My Commission Expire January 31, 2020	8	Notary Public		

Assignment

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RECORDED: 04/27/2016 REEL: 038536 FRAME: 0996