

PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT6398055

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ALAN J. SCHNARR	04/08/2015
MARCO CAPOTE	04/08/2015
DAMON COOK	04/01/2015
JANICE DUGGER	04/07/2015
JODI L. KIEFER	04/08/2015
MATTHEW W. KOENIG	04/08/2015
GEOFFREY M. RUCKEL	04/09/2015
JENNIFER R. SCHMASOW	04/10/2015
VICTOR D. SNYDER	04/09/2015
DAVID HALL	04/24/2015
JACOB GERBER	04/08/2015

RECEIVING PARTY DATA

Name:	MEDTRONIC NAVIGATION, INC.
Street Address:	826 COAL CREEK CIRCLE
Internal Address:	COAL CREEK CORPORATE CENTER ONE
City:	LOUISVILLE
State/Country:	COLORADO
Postal Code:	80027

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17096164

CORRESPONDENCE DATA

Fax Number: (248)641-0270

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: 248.641.1271

Email: mailroom@hdp.com, jtumblin@hdp.com

Correspondent Name: HARNESS, DICKEY & PIERCE, P.L.C.

Address Line 1: 5445 CORPORATE DRIVE

Address Line 2: SUITE 200

PATENT

Address Line 4:	TROY, MICHIGAN 48098
ATTORNEY DOCKET NUMBER:	5074A-000166-US-COB
NAME OF SUBMITTER:	RICHARD W. WARNER
SIGNATURE:	/Richard W. Warner/
DATE SIGNED:	11/12/2020
Total Attachments: 12 source=A166cob - Assignment for filing#page1.tif source=A166cob - Assignment for filing#page2.tif source=A166cob - Assignment for filing#page3.tif source=A166cob - Assignment for filing#page4.tif source=A166cob - Assignment for filing#page5.tif source=A166cob - Assignment for filing#page6.tif source=A166cob - Assignment for filing#page7.tif source=A166cob - Assignment for filing#page8.tif source=A166cob - Assignment for filing#page9.tif source=A166cob - Assignment for filing#page10.tif source=A166cob - Assignment for filing#page11.tif source=A166cob - Assignment for filing#page12.tif	

ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT is made by **Alan J. Schnarr**, residing at 730 Gay St., Longmont, Colorado 80501; **Marco Capote**, residing at 3160 Aurora Ave., Boulder, Colorado 80303; **Damon Cook**, residing at 20230 Hamlin St., Winnetka, California 91306; **Janice Dugger**, residing at 11501 W. 100th Place, Westminster, Colorado 80021; **Jodi L. Kiefer**, residing at 1809 Cottonwood St., Broomfield, Colorado 80020; **Matthew W. Koenig**, residing at ~~3324~~³²³⁴ W. 23rd Ave., Denver, Colorado 80211; **Geoffrey M. Ruckel**, residing at 3181 W. 34th Ave., Denver, Colorado 80211; **Jennifer R. Schmasow**, residing at 139 W. AW Willis Ave. #310, Memphis, Tennessee 38103; **Victor D. Snyder**, residing at 8053 Lee Court, Arvada, Colorado 80005; **David Hall**, residing at 70 Salt Lick Place, Silverthorne, Colorado 80498; and **Jacob Gerber**, residing at 2800 W. 126th Ave., Broomfield, Colorado 80020 (hereinafter referred to as Assignors), respectively;

WHEREAS, Assignors have invented certain new and useful improvements in Direct Visualization of a Device Location, set forth in a Patent application for Letters Patent of the United States, executed on even date preparatory to filing (each inventor should sign this Assignment on the same day as he/she signs the Declaration) (hereinafter collectively referred to as "Inventions"); and

WHEREAS, Medtronic Navigation, Inc., a Corporation organized under and pursuant to the laws of Delaware having its principal place of business at 826 Coal Creek Circle, Coal Creek Corporate Center One, Louisville, Colorado 80027 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said Inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal

representatives and assigns, the entire right, title and interest in and to the above-mentioned Inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, including the right to recover for past infringements, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said Inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said Inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said Inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters

Patent for said Inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignors hereby request the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said Inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

HARNESS, DICKEY & PIERCE, P.L.C.

All practitioners at Customer Number 27572

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

Alan J. Schnarr
Alan J. Schnarr

Date: 8 APR 2015

United States of America)
State of COLORADO) ss.:
County of BOLDER)

On this 8th day of APRIL, 2015, before me personally came Alan J. Schnarr, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

DENISSE ANDREWS
NOTARY PUBLIC
STATE OF COLORADO
NOTARY ID 20084015340
MY COMMISSION EXPIRES APRIL 18, 2018

[Signature]
Notary Public

[Signature]
Marco Capote

Date: 04/08/2015

United States of America)
State of COLORADO) ss.:
County of BOLDER)

On this 8th day of APRIL, 2015, before me personally came Marco Capote, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

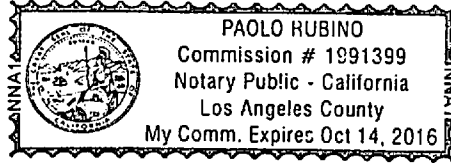
DENISSE ANDREWS
NOTARY PUBLIC
STATE OF COLORADO
NOTARY ID 20084015340
MY COMMISSION EXPIRES APRIL 18, 2018

[Signature]
Notary Public

A Notary Public or other official completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached and not the truthfulness, accuracy, or validity of that document.

Damon Cook

Date: 4/1/2015



United States of America)
State of CALIFORNIA) ss.:
County of LOS ANGELES)

On this 1 day of APRIL, 2015, before me ^{PAOLO RUBINO} ~~NOTARY PUBLIC~~, personally came Damon Cook, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

On April 1, 2015, before me, PAOLO RUBINO, a Notary Public, personally appeared DAMON COOK, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

Notary Public

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.

Janice Dugger

Date: _____

United States of America)
State of _____) ss.:
County of _____)

On this _____ day of _____, _____, before me personally came Janice Dugger, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Notary Public

Damon Cook

Date: _____

United States of America)
State of _____) ss.:
County of _____)

On this _____ day of _____, _____, before me personally came Damon Cook, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Notary Public

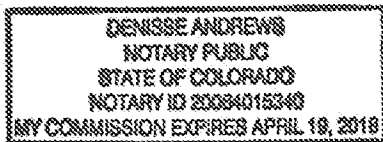


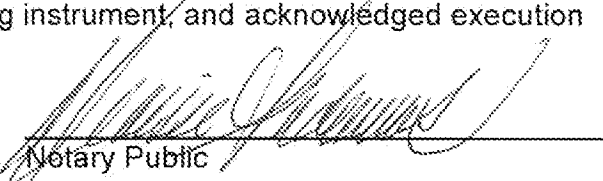
Janice Dugger

Date: 4/7/2015

United States of America)
State of COLORADO) ss.:
County of BOLDER)

On this 7th day of APRIL, 2015, before me personally came Janice Dugger, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.





Notary Public

Jodi L. Kiefer
Jodi L. Kiefer

Date: 4-8-15

United States of America)
State of COLORADO) ss.:
County of BOLDER)

On this 8TH day of APRIL, 2015, before me personally came Jodi L. Kiefer, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

DENISSE ANDREWS
NOTARY PUBLIC
STATE OF COLORADO
NOTARY ID 20084015340
MY COMMISSION EXPIRES APRIL 18, 2018

[Signature]
Notary Public

Matthew W. Koenig
Matthew W. Koenig

Date: Apr 8, 2015

United States of America)
State of COLORADO) ss.:
County of BOLDER)

On this 8TH day of APRIL, 2015, before me personally came Matthew W. Koenig, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

DENISSE ANDREWS
NOTARY PUBLIC
STATE OF COLORADO
NOTARY ID 20084015340
MY COMMISSION EXPIRES APRIL 18, 2018

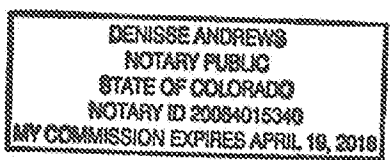
[Signature]
Notary Public

[Signature]
Geoffrey M. Ruckel

Date: 4/9/2015

United States of America)
State of COLORADO) ss.:
County of BOULDER)

On this 9th day of APRIL, 2015, before me personally came Geoffrey M. Ruckel, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



[Signature]
Notary Public

Jennifer R. Schmasow

Date: _____

United States of America)
State of _____) ss.:
County of _____)

On this _____ day of _____, _____, before me personally came Jennifer R. Schmasow, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Notary Public

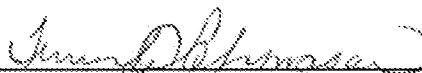
Geoffrey M. Ruckel

Date: _____

United States of America)
State of _____) ss.:
County of _____)

On this _____ day of _____, _____, before me personally came Geoffrey M. Ruckel, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Notary Public

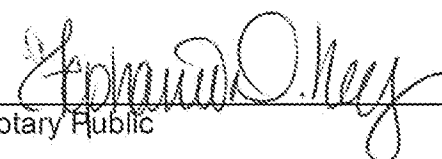


Jennifer R. Schmasow

Date: 4/10/15

United States of America)
State of Tennessee) ss.:
County of Shelby)

On this 10th day of April, 2015, before me personally came Jennifer R. Schmasow, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



Notary Public

My Commission
Expires July 16, 2017



[Signature]
Victor D. Snyder

Date: 4/9/15

United States of America)
State of COLORADO) ss.:
County of BOULDER)

On this 9th day of APRIL, 2015, before me personally came Victor D. Snyder, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

DENISE ANDREWS
NOTARY PUBLIC
STATE OF COLORADO
NOTARY ID 20064015340
MY COMMISSION EXPIRES APRIL 18, 2018

[Signature]
Notary Public

David Hall

Date: _____

United States of America)
State of _____) ss.:
County of _____)

On this _____ day of _____, _____, before me personally came David Hall, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

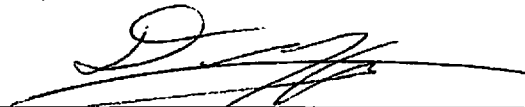
Notary Public

Victor D. Snyder

Date: _____

United States of America)
State of _____) ss.:
County of _____)

On this _____ day of _____, _____, before me personally came Victor D. Snyder, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Notary Public


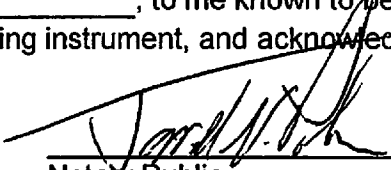
David Hall

Date: April 24, 2015

United States of America)
State of Colorado) ss.:
County of Summit)

On this 24th day of April, 2015, before me personally came David Hall, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

JARED N PICKEN
NOTARY PUBLIC - STATE OF COLORADO
My Identification # 19974016915
Expires October 5, 2017



Notary Public

Jacob Gerber
Jacob Gerber

Date: 4/8/2015

United States of America)
State of COLORADO) ss.:
County of BOULDER)

On this 8th day of APRIL, 2015, before me
, to me known to be the
personally came Jacob Gerber individual
described in and who executed the foregoing instrument, and acknowledged
execution
of the same.

DENISE ANDREWS
NOTARY PUBLIC
STATE OF COLORADO
NOTARY ID 20064015340
MY COMMISSION EXPIRES APRIL 19, 2018

Denise Andrews
Notary Public

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