

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT6085988

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
JOSEPH MOCTEZUMA	05/15/2018
CRAIG DRAGER	06/07/2018
JOSEPH THOMAS CILKE	05/17/2018
VICTOR D. SNYDER	05/18/2018
WEI-SHYANG YANG	05/17/2018
JUSTIN KEMP	05/30/2018
ANDREW WALD	05/15/2018
JERALD LAMONT REDMOND	05/18/2018
SHAI RONEN	05/16/2018
NIKHIL MAHENDRA	05/29/2018

**RECEIVING PARTY DATA**

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

**PROPERTY NUMBERS Total: 1**

Property Type	Number
<b>Application Number:</b>	16850225

**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:** troymailroom@hdp.com**Correspondent Name:** HARNESS, DICKEY & PIERCE, P.L.C.**Address Line 1:** P.O. BOX 828**Address Line 4:** BLOOMFIELD HILLS, MICHIGAN 48303

<b>ATTORNEY DOCKET NUMBER:</b>	5074A-000193-US-COB
<b>NAME OF SUBMITTER:</b>	RICHARD W. WARNER
<b>SIGNATURE:</b>	/Richard W. Warner/
<b>DATE SIGNED:</b>	04/30/2020

**Total Attachments: 12**

source=A193 - Assignment for filing#page1.tif  
source=A193 - Assignment for filing#page2.tif  
source=A193 - Assignment for filing#page3.tif  
source=A193 - Assignment for filing#page4.tif  
source=A193 - Assignment for filing#page5.tif  
source=A193 - Assignment for filing#page6.tif  
source=A193 - Assignment for filing#page7.tif  
source=A193 - Assignment for filing#page8.tif  
source=A193 - Assignment for filing#page9.tif  
source=A193 - Assignment for filing#page10.tif  
source=A193 - Assignment for filing#page11.tif  
source=A193 - Assignment for filing#page12.tif

## ASSIGNMENT BY INVENTORS

**THIS ASSIGNMENT** is made by **Joseph Moctezuma**, residing at 426 Indian Peak Road, Golden, Colorado 80403; **Craig Drager**, residing at 3812 Saltmeadow Court S., Jacksonville, Florida 32224; **Joseph Thomas Cilke**, residing at 4654 Belford Circle, Broomfield, Colorado 80023; **Victor D. Snyder**, residing at 1741 Phillips Court, Erie, Colorado 80516; **Wei-Shyang Yang**, residing at 723 Old Wagon Trail Circle, Lafayette, Colorado 80026; **Justin Kemp**, residing at 2303 Holly Drive, Erie, Colorado 80516; **Andrew Wald**, residing at 1843 Niagara St., Denver, Colorado 80221; **Jerald Lamont Redmond**, residing at 9280 Romano Way S., Germantown, Tennessee 38138; **Shai Ronen**, residing at 855 W. Dillon Rd., Apt. D303, Louisville, Colorado 80027; and **Nikhil Mahendra**, residing at 12440 Vrain Circle, Broomfield, Colorado 80020; (hereinafter referred to as Assignors);

**WHEREAS**, Assignors have invented certain new and useful improvements in Automatic Identification Of Instruments, set forth in a Patent application for Letters Patent of the United States, previously filed on April 28, 2017 as U.S. Provisional Application No. 62/491,599 and filed as a non-provisional application on April 26, 2018 as U.S. Application No. 15/963,426 (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 132492

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

  
\_\_\_\_\_  
Joseph Moctezuma

Kay Wright  
\_\_\_\_\_  
Witness – Print Name

Kay Wright  
\_\_\_\_\_  
Witness – Signature

Dated May 15, 2018

ANNA VINCENT  
\_\_\_\_\_  
Witness – Print Name

Anna Vincent  
\_\_\_\_\_  
Witness – Signature

Craig Drager  
Craig Drager

Kim Drager  
Witness - Print Name

Kim Drager  
Witness - Signature

Dated June 7, 2018

Sandy McCaffrey  
Witness - Print Name

Sandy McCaffrey  
Witness - Signature

\_\_\_\_\_  
Joseph Thomas Cilke

\_\_\_\_\_  
Witness - Print Name

\_\_\_\_\_  
Witness - Signature

Dated \_\_\_\_\_

\_\_\_\_\_  
Witness - Print Name

\_\_\_\_\_  
Witness - Signature

\_\_\_\_\_  
Victor D. Snyder

\_\_\_\_\_  
Witness - Print Name

\_\_\_\_\_  
Witness - Signature

Dated \_\_\_\_\_

\_\_\_\_\_  
Witness - Print Name

\_\_\_\_\_  
Witness - Signature

Craig Drager

Witness – Print Name

Witness – Signature

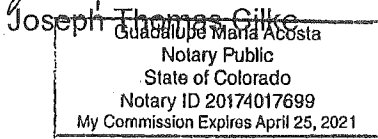
Dated \_\_\_\_\_

Witness – Print Name

Witness – Signature

*Joseph Thomas Gilke*

*Guadalupe Maria Acosta*



Witness – Print Name

*Guadalupe Maria Acosta*

Witness – Signature

Dated 5/17/2018

*Denise M. Bishel*

Witness – Print Name

*Denise M Bishel*

Witness – Signature

Victor D. Snyder

Witness – Print Name

Witness – Signature

Dated \_\_\_\_\_

Witness – Print Name

Witness – Signature

\_\_\_\_\_  
Craig Drager

\_\_\_\_\_  
Witness – Print Name

\_\_\_\_\_  
Witness – Signature

Dated \_\_\_\_\_

\_\_\_\_\_  
Witness – Print Name

\_\_\_\_\_  
Witness – Signature

\_\_\_\_\_  
Joseph Thomas Cilke

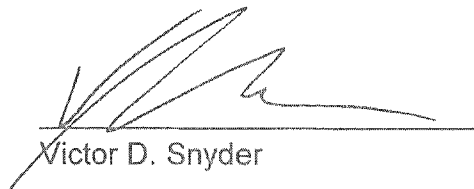
\_\_\_\_\_  
Witness – Print Name

\_\_\_\_\_  
Witness – Signature

Dated \_\_\_\_\_

\_\_\_\_\_  
Witness – Print Name

\_\_\_\_\_  
Witness – Signature

  
\_\_\_\_\_  
Victor D. Snyder

Zhu Yang  
\_\_\_\_\_  
Witness – Print Name

Zhu Yang  
\_\_\_\_\_  
Witness -- Signature

Dated 18 May 2018

Allan O Runyan  
\_\_\_\_\_  
Witness – Print Name

  
\_\_\_\_\_  
Witness – Signature



Wei-Shyang Yang  
Wei-Shyang Yang

Steven R. Nickels  
Witness – Print Name

Steven R. Nickels  
Witness – Signature

Dated 5/17/2018

Jeffery R. Carmichael  
Witness – Print Name

Jeffery R. Carmichael  
Witness – Signature

\_\_\_\_\_  
Justin Kemp

\_\_\_\_\_  
Witness – Print Name

\_\_\_\_\_  
Witness – Signature

Dated \_\_\_\_\_

\_\_\_\_\_  
Witness – Print Name

\_\_\_\_\_  
Witness – Signature

\_\_\_\_\_  
Wei-Shyang Yang

\_\_\_\_\_  
Witness – Print Name

\_\_\_\_\_  
Witness – Signature

Dated \_\_\_\_\_

\_\_\_\_\_  
Witness – Print Name

\_\_\_\_\_  
Witness – Signature

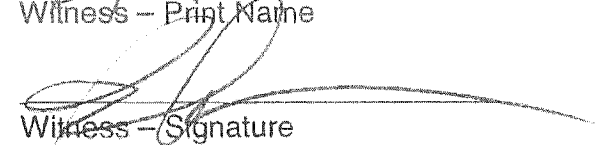
  
Justin Kemp

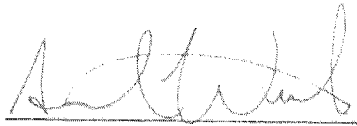
MORGAN S. ARVISAIS  
Witness – Print Name

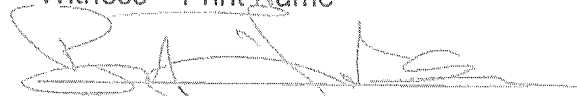
  
Witness – Signature

Dated 5/30/18

Bryan Wilson  
Witness – Print Name

  
Witness – Signature

  
Andrew Wald

Raul Jacobsen  
Witness - Print Name  
  
Witness - Signature

Dated 05/15/2018

Kristen Temnyk  
Witness - Print Name  
KRISTEN TEMNYK  
Witness - Signature

\_\_\_\_\_  
Jerald Lamont Redmond

\_\_\_\_\_  
Witness - Print Name

\_\_\_\_\_  
Witness - Signature

Dated \_\_\_\_\_

\_\_\_\_\_  
Witness - Print Name

\_\_\_\_\_  
Witness - Signature

\_\_\_\_\_  
Andrew Wald

\_\_\_\_\_  
Witness – Print Name

\_\_\_\_\_  
Witness – Signature


Dated \_\_\_\_\_

\_\_\_\_\_  
Witness – Print Name

\_\_\_\_\_  
Witness – Signature

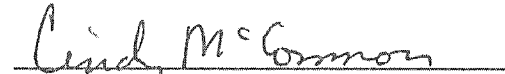
  
\_\_\_\_\_  
Jerald Lamont Redmond

  
\_\_\_\_\_  
Witness – Print Name

  
\_\_\_\_\_  
Witness – Signature

Dated 05/18/18

  
\_\_\_\_\_  
Witness – Print Name

  
\_\_\_\_\_  
Witness – Signature

Shai Ronen  
Shai Ronen

Dated 16 May 2018

Raul Jacobson  
Witness - Print Name

[Signature]  
Witness - Signature

Andrew Wald  
Witness - Print Name

[Signature]  
Witness - Signature

Nikhil Mahendra

Dated \_\_\_\_\_

\_\_\_\_\_  
Witness - Print Name

\_\_\_\_\_  
Witness - Signature

\_\_\_\_\_  
Witness - Print Name

\_\_\_\_\_  
Witness - Signature

22620818

\_\_\_\_\_  
Shai Ronen

\_\_\_\_\_  
Witness – Print Name

\_\_\_\_\_  
Witness – Signature

Dated \_\_\_\_\_

\_\_\_\_\_  
Witness – Print Name

\_\_\_\_\_  
Witness – Signature

  
\_\_\_\_\_  
Nikhil Mahendra

Andrew Wald  
\_\_\_\_\_  
Witness – Print Name

  
\_\_\_\_\_  
Witness – Signature

Dated 05/29/2018

GANESH SAIPRASAD  
\_\_\_\_\_  
Witness – Print Name

  
\_\_\_\_\_  
Witness – Signature

22620818