

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT6398109

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
CHRISTINE R. DROWN	10/27/2020
ANDREW WALD	10/26/2020
REBECCA L. VINCELETTE	10/26/2020
WILLIAM A. GRISSOM	08/14/2019
<b>RECEIVING PARTY DATA</b>	
<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
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16282219
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(248)641-0270
<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>	
<b>Phone:</b>	248.641.1271
<b>Email:</b>	mailroom@hdp.com, jtumblin@hdp.com
<b>Correspondent Name:</b>	HARNESS, DICKEY & PIERCE, P.L.C.
<b>Address Line 1:</b>	5445 CORPORATE DRIVE
<b>Address Line 2:</b>	SUITE 200
<b>Address Line 4:</b>	TROY, MICHIGAN 48098
<b>ATTORNEY DOCKET NUMBER:</b>	5074A-000216-US
<b>NAME OF SUBMITTER:</b>	RICHARD W. WARNER
<b>SIGNATURE:</b>	/Richard W. Warner/
<b>DATE SIGNED:</b>	11/12/2020
<b>Total Attachments: 6</b>	

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## ASSIGNMENT BY INVENTORS

**THIS ASSIGNMENT** is made by **Christine R. Drown**, residing at 11278 Vrain Drive, Westminster, Colorado 80031; **Andrew Wald**, residing at 1843 Niagara St., Denver, Colorado 80221; **Rebecca L. Vincelette**, residing at 8517 Union Circle, Arvada, Colorado 80005; and **William A. Grissom**, residing at 1513 Long Avenue, Nashville, Tennessee 37206 (hereinafter referred to as Assignors), respectively;

**WHEREAS**, Assignors have invented certain new and useful improvements in Method and Apparatus for Magnetic Resonance Imaging Thermometry, set forth in a Patent application for Letters Patent of the United States, filed on February 21, 2019 as U.S. Patent Application No. 16/282,219 (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.



Christine R. Drown

Oct - 27 - 2020

Dated

Witness 1

Signature: \_\_\_\_\_

Witness 1

Printed Name: \_\_\_\_\_

Witness 2

Signature: \_\_\_\_\_

Witness 2

Printed Name: \_\_\_\_\_

Witness 1

Signature: \_\_\_\_\_

Witness 1

Printed Name: \_\_\_\_\_

Witness 2

Signature: \_\_\_\_\_

Witness 2

Printed Name: \_\_\_\_\_

Andrew Wald

Dated

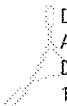
and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

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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.

_____	Witness 1
Christine R. Drown	Signature: _____
_____	Witness 1
Dated	Printed Name: _____
	Witness 2
	Signature: _____
	Witness 2
	Printed Name: _____
Andrew Wald	Witness 1
 Digitally signed by Andrew Wald Date: 2020.10.26 12:55:29 -06'00'	Signature: _____
Andrew Wald	Witness 1
_____	Printed Name: _____
Dated	Witness 2
	Signature: _____
	Witness 2
	Printed Name: _____

Rebecca L Vincelette

Rebecca L. Vincelette

26 October 2020

Dated

Witness 1

Signature: \_\_\_\_\_

Witness 1

Printed Name: \_\_\_\_\_

Witness 2

Signature: \_\_\_\_\_

Witness 2

Printed Name: \_\_\_\_\_

\_\_\_\_\_  
William A. Grissom

Dated

Witness 1

Signature: \_\_\_\_\_

Witness 1

Printed Name: \_\_\_\_\_

Witness 2

Signature: \_\_\_\_\_

Witness 2

Printed Name: \_\_\_\_\_

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\_\_\_\_\_  
Rebecca L. Vincelette

\_\_\_\_\_  
Dated

Witness 1

Signature: \_\_\_\_\_

Witness 1

Printed Name: \_\_\_\_\_

Witness 2

Signature: \_\_\_\_\_

Witness 2

Printed Name: \_\_\_\_\_

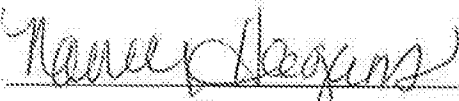


\_\_\_\_\_  
William A. Grissom


8/14/19

\_\_\_\_\_  
Dated

Witness 1

Signature: 

Witness 1

Printed Name: 

Witness 2

Signature: \_\_\_\_\_

Witness 2

Printed Name: \_\_\_\_\_

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