505881771 01/24/2020

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
BENJAMIN L. LANGE	05/15/2017

RECEIVING PARTY DATA

Name:	MEDTRONIC, INC.	
Street Address:	710 MEDTRONIC PARKWAY N.E.	
City:	MINNEAPOLIS	
State/Country:	MINNESOTA	
Postal Code:	55432	

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	16752200	

CORRESPONDENCE DATA

Fax Number: (651)735-1102

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: 6517351100

Email: pairdocketing@ssiplaw.com

Correspondent Name: SHUMAKER & SIEFFERT P.A

Address Line 1: 1625 RADIO DRIVE, SUITE 100

Address Line 4: WOODBURY, MINNESOTA 55125

ATTORNEY DOCKET NUMBER:	C00016079US01DIV/1241-094
NAME OF SUBMITTER:	JENNIFER DALLMAN
SIGNATURE:	/JENNIFER DALLMAN/
DATE SIGNED:	01/24/2020

Total Attachments: 4

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PATENT 505881771 REEL: 051615 FRAME: 0001

Attorney Docket No.: C00016079,USU1

ASSIGNMENT OF APPLICATION(S)

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

	Multimodal Cryptographic Data Communications in a Remote Patient Monitoring Environment
X	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. 375; filled on 375;
	which application is identified as PCT International Patent Application No.; filed;
hav	Whereas, Medtronic, Inc., a corporation organized and existing under the laws of the State of Minnesota and ring a principle place of business at 710 Medtronic Parkway. Managora 55432, hereinafter referred to as
	orporation," is desirous of acquiring the entire right, title and interest in and to said invention for the United States
	I for all foreign countries and in and to any and all foreign and domastic Latters Patent which may be granted
me.	refore;

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

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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.

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):				
Benjamin L.	La	Lange		
Inventor's Signature	Date: 5/1;	Citizenship:		
City and State: Burnsville, MN	Country:	Citizenship:		
	US	U.S.		
STATE OF MINNESOTA )  SS.  COUNTY OF RAMSEY )  On this 16 day of 104				
Given Name (first and middle initial [if any]):	Family Name or Surname (I	ast name};		
Inventor's Signature:	Date:			
Inventor's Signature:  Residence (City and State):	Date:  Country: US	Citizenship:		
	Country: US			

Assignment

Given Name (first and middle initial [if any]): Family Name or Surname (last name):			
Inventor's Signature:	Date:		
Residence (City and State):	Country: US	Citizenship:	
STATE OF MINNESOTA ) ) ss.			
COUNTY OF RAMSEY )			
On this day of and who executed the foregoing instrument, as said	person's free act and deed, on the	ne personally appeared the above-named, ne day and year aforesaid.	
40 N		·	
(Seal)	Notary Public	······································	
Given Name (first and middle initial [if any]):	Family Name or Surname (last	name):	
	*****		
Inventor's Signature:	Date;		
Residence (City and State):	Country: US	Citizenship:	
STATE OF MINNESOTA ) ) ss.			
COUNTY OF RAMSEY )	TO 600		
On this day of and who executed the foregoing instrument, as said	person's free act and deed, on the	ne personally appeared the above-named, and deep and year aforesaid.	
(Seal)	Notary Public		
		÷	
Given Name (first and middle initial [if any]):	Family Name or Surname (last	name):	
Inventor's Signature:	Date:		
Residence (City and State):	Country; US	Citizenship:	
STATE OF MINNESOTA )			
COUNTY OF RAMSEY )			
On this day of,, 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.			
(Seal)	Notary Public		
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Assignment

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Attorney Docket No.:

Given Name (first and middle initial [if any]):	Family Na	ne or Surname (last na	me):
Inventor's Signature:		Date:	
Residence (City and State):		Country: Citizenship: US	
STATE OF MINNESOTA ) ) ss.  COUNTY OF RAMSEY )  On this day of,, 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.			
(Seal)		Notary Public	
*******Option for luventors who do not have a	notary availa	ble to them:	
Given Name (first and middle initial [if any]): Family Name or Surname (last name):		me):	
Benjamin L.		Lange	
Inventor's Signature:		Date:	
Residence (City and State):		Country:	Citizenship:
Burnsville, MN		U.S.	U.S.
Witness Signature		Witness Signatu	ė
Witness Printed Name		Witness Printed	Name

Assignment

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