508231178 11/15/2023

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT8278368

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
	Corrective Assignment to correct the APPLICATION NUMBER FROM THE WRONG NUMBER 18507415 TO THE CORRECT APPLICATION NUMBER 18507514 previously recorded on Reel 065542 Frame 0462. Assignor(s) hereby confirms the ASSIGNMENT.

CONVEYING PARTY DATA

Name	Execution Date
MATTHEW R. YODER	02/23/2017
GARY P. KIVI	02/23/2017
RICHARD A. SANDEN	02/24/2017
BO ZHANG	02/23/2017
ERIC D.J. DORPHY	02/23/2017

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	18507514

CORRESPONDENCE DATA

Fax Number:

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:	651-7	651-735-1100		
Email:	paird	pairdocketing@ssiplaw.com,rs.patents.two@medtronic.com		
Correspondent Name:	SHUI	SHUMAKER & SIEFFERT, P.A.		
Address Line 1:	1625	1625 RADIO DRIVE		
Address Line 2:	SUIT	SUITE 300		
Address Line 4:	WOC	WOODBURY, MINNESOTA 55125		
ATTORNEY DOCKET NUMBER	R:	: C00011283US03CON/2222-221		
NAME OF SUBMITTER:	KAREN SORENSEN			
SIGNATURE:		/Karen Sorensen/		
DATE SIGNED:		11/15/2023		

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Total Attachments: 8	
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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

	2:	NEW ASSIGNMENT		
NATURE OF CONV		ASSIGNMENT		
CONVEYING PART	Y DATA			
Name			Execution Date	
MATTHEW R. YOD	ER		02/23/2017	
GARY P. KIVI			02/23/2017	
RICHARD A. SAND	EN		02/24/2017	
BO ZHANG			02/23/2017	
DUZHANU		02/23/2017		
ERIC D.J. DORPHY		INC.	02/23/2017	
ERIC D.J. DORPHY RECEIVING PARTY Company Name: N Street Address: 7	ÆDTRONIC,	NIC PARKWAY NE		
ERIC D.J. DORPHY RECEIVING PARTY Company Name: M Street Address: 7 City: N	IEDTRONIC, 10 MEDTRON	NIC PARKWAY NE		
ERIC D.J. DORPHY RECEIVING PARTY Company Name: N Street Address: 7 City: N State/Country: N	1EDTRONIC, 10 MEDTRON 11NNEAPOLI	NIC PARKWAY NE		
ERIC D.J. DORPHY RECEIVING PARTY Company Name: N Street Address: 7 City: N State/Country: N Postal Code: 5 PROPERTY NUMB	IEDTRONIC, 10 MEDTRON INNEAPOLI INNESOTA 5432 ERS Total: 1	NIC PARKWAY NE	02/23/2017	
ERIC D.J. DORPHY RECEIVING PARTY Company Name: N Street Address: 7 City: N State/Country: N Postal Code: 5 PROPERTY NUMB	AEDTRONIC, 10 MEDTRON AINNEAPOLI AINNESOTA 5432 ERS Total: 1	NIC PARKWAY NE S 		

PATENT REEL: 065611 FRAME: 0150_{2023, 2:02 PM}

Fax Number:						
Phone:	651-735-11					
Email:	pairdocketing@ssiplaw.com,rs.patents.two@medtronic.com					
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.						
		s unsuccessful, it will be sent via US Mail. SHUMAKER & SIEFFERT, P.A.				
Correspondent Name: Address Line 1:						
Address Line 1:	1625 RADIO DRIVE SUITE 300					
Address Line 2:		RY, MINNESOTA 55125				
Auuress Line 4.	WOODBOI	KI, MINNESOTA 55125				
ATTORNEY DOCK NUMBER:	ATTORNEY DOCKET NUMBER: C00011283US03CON/2222-221					
NAME OF SUBMIT	TER:	KAREN SORENSEN				
Signature:	ture: /Karen Sorensen/					
Date:	11/13/2023					
Total Attachments: 6 source=C00011283US03CON_ASSIGNMENT-as-filed#page1.tif source=C00011283US03CON_ASSIGNMENT-as-filed#page2.tif source=C00011283US03CON_ASSIGNMENT-as-filed#page3.tif source=C00011283US03CON_ASSIGNMENT-as-filed#page4.tif source=C00011283US03CON_ASSIGNMENT-as-filed#page5.tif source=C00011283US03CON_ASSIGNMENT-as-filed#page6.tif						
RECEIPT INFORMATION						
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EPAS ID:	PAT82734	76				

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ASSIGNMENT OF APPLICATION(S)

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

FACILITATING TRUSTED PAIRING OF AN IMPLANTABLE DEVICE AND AN EXTERNAL DEVICE

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. ; filed on ;

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.: C00011283.USU1 Medtronic, Inc., 710 Medtronic Parkway, Minneapolis, MN 55432

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/c	our name(s) on the day and year set to	rin delow.
Given Name (first and middle initial [if any]): Matthew R.	Family N Yoder	lame or Surname (last name):	
Inventor's Signature:		Date: <u>7</u> -C-I7- Country: US Citizenship: US	
City und State Crystal, MN		Country: US	Citizenship: US
(Seal) MADONNA M. SCHROEDER Notary Public State of Minnesota My Commission Expires	id person's l		nally appeared the above-named , nd year aforesaid.
January 31, 2020	<u>.</u>	-	
	Family N	ame or Surname (last name):	
Given Name (first and middle initial [if any]): Gary P.	Family N Kivi	ame or Surname (last name):	
Given Name (first and middle initial [if any]): Gary P.	· ·	Data	-2017
Given Name (first and middle initial [if any]): Gary P.	· ·	Data	- 2017 Citizenship: US

Assignment

Given Name (first and middle initial [if any]): Richard A.	Family N Sanden	ame or Surname (last name	
Inventor's Signature:		Date:	
Residence (City and State): Woodbury, MN		Country: US	Citizenship: US
STATE OF MINNESOTA		L	
) ss. COUNTY OF RAMSEY)			
On this day of and who executed the foregoing instrument, as sa	uid person's	free act and deed, on the day	rsonally appeared the above-named , y and year aforesaid.
(Seal)			
		Notary Public	
Given Name (first and middle initial [if any]):	Family N	ame or Surname (last name	
Bo	Zhang	ame of surname (last name	·).
Inventor's Signature:	2	Date: 2/23/3	2017
Residence (City and State): Blaine, MN	J	Country: US	Citizenship: US
STATE OF MINNESOTA)			
COUNTY OF RAMSEY) On this 2 day of Tepualy		, 2017, before me per	rsonally appeared the above-named,
and who executed the foregoing instrument, as sa	aid person's	free act and deed, on the da	y and year aforesaid.
(Seal) MADONNA M. SCHROEDER Notary Public State of Minnesota My Commission Expires January 31, 2020		Blue Notary Public	f
Given Name (first and middle shitial [if any]): Eric	Family N Dorphy	ame or Surname (last name	;;
Inventor's Signature		Date: 2/23/17	
Residence (City and State): Maple Grove, MN		Country:	Citizenship: US
STATE OF MINNESOTA)			
COUNTY OF RAMSEY		Jan 1- Law	rsonally appeared the above-named,
On this $\Delta 2^{-1}$ day of $4250 \mu a_{2}$ and who executed the foregoing instrument, as sa	e aid person's	free act and deed, on the day	y and year aforesaid.
(Seal) MADONNA M. SCHROEDE Notary Public State of Minnesoto		Klos	
(Seal) My Commission Expires Jonuary 31, 2020		Notary Public	

Assignment

Page 3 of 3 Attorney Docket No.: C00011283.USU1 Medtronic, Inc., 710 Medtronic Parkway, Minneapolis, MN 55432

ASSIGNMENT OF APPLICATION(S)

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

FACILITATING TRUSTED PAIRING OF AN IMPLANTABLE DEVICE AND AN EXTERNAL DEVICE

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. ; filed on ;

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.: C00011283.USU1 Medtronic, Inc., 710 Medtronic Parkway, Minneapolis, MN 55432

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]): Matthew R.	hew R. Yoder		ame or Surname (last name):	
Inventor's Signature:		Date:		
City and State: Crystal, MN		Country: US	Citizenship: US	
STATE OF MINNESOTA)) ss. COUNTY OF RAMSEY) On this day of and who executed the foregoing instrument, as sai	d person's f	,, before me perso ree act and deed, on the day a	nally appeared the above-named , nd year aforesaid.	
(Seal)		Notary Public		
Given Name (first and middle initial [if any]): Gary P.	Family N Kivi	ame or Surname (last name):		
Inventor's Signature:		Date:		
Residence (City and State): Maple Grove, MN		Country: US	Citizenship: US	
STATE OF MINNESOTA)) ss. COUNTY OF RAMSEY) On this day of and who executed the foregoing instrument, as sai			nally appeared the above-named , nd year aforesaid.	
(Seal)		Notary Public		

Page 2 of 3 A Medtronic, Inc., 710 Medtronic Parkway, Minneapolis, MN 55432

Attorney Docket No.: C00011283.USU1

Given Name (first and middle initial [if any]): Richard A.	Family N Sanden	ame or Surname (last na	me):
Inventor's Signature:		Date: /2/117	
Residence (City and State): Woodbury, MN		Country: US	Citizenship: US
STATE OF MINNESOTA) Hermephy) ss. COUNTY OF RAMSEY) On this 24th day of the brucan		. ≥⊲⇔ , before me	personally appeared the above-named .
and who executed the foregoing instrument, as sat (Seal) PHILIPP WAGENER NOTARY PUBLIC - MINNESOTA MY COMMISSION EXPRES 01/31/2021	id person's	free act and deed, on the	day and year aforesaid.
Given Name (first and middle initial [if any]): Bo	Family N Zhang	ame or Surname (last na	me);
Inventor's Signature:	- i	Date:	
Residence (City and State): Blaine, MN		Country: US	Citizenship: US
) ss. COUNTY OF RAMSEY) On this day of and who executed the foregoing instrument, as sa	id person's	,, before me free act and deed, on the	personally appeared the above-named , day and year aforesaid.
(Seal)		Notary Public	
Given Name (first and middle initial [if any]): Eric	Family N Dorphy	fame or Surname (last na	me):
Inventor's Signature:		Date:	
Residence (City and State): Maple Grove, MN		Country:	Citizenship: US
STATE OF MINNESOTA)) ss. COUNTY OF RAMSEY) On thisday of and who executed the foregoing instrument, as sa	id person's	,, before me free act and deed, on the	personally appeared the above-named, day and year aforesaid.
(Seal)		Notary Public	

Assignment

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Page 3 of 3 Attorney Docket No.: C00011283.USU1 Medtronic, Inc., 710 Medtronic Parkway, Minneapolis, MN 55432

PATENT REEL: 065611 FRAME: 0157

RECORDED: 11/25/2029