506365599 11/20/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6412355

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
EDUARDO N. WARMAN	04/27/2011
JOHN E. BURNES	04/26/2011
KOEN J. MICHELS	04/26/2011
PAUL D. ZIEGLER	04/26/2011
LILIAN KORNET	05/09/2011

RECEIVING PARTY DATA

Name:	MEDTRONIC, INC.
Street Address:	710 MEDTRONIC PARKWAY NE
Internal Address:	MAIL STOP LC340
City:	MINNEAPOLIS
State/Country:	MINNESOTA
Postal Code:	55432

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17035157

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: 763-526-0932

Email: molly.a.chlebeck@medtronic.com

Correspondent Name: CAROL F. BARRY

Address Line 1: 710 MEDTRONIC PARKWAY NE

Address Line 2: MAIL STOP LC340

Address Line 4: MINNEAPOLIS, MINNESOTA 55432

ATTORNEY DOCKET NUMBER:	P0030467US01DIV
NAME OF SUBMITTER:	MOLLY CHLEBECK
SIGNATURE:	/Molly Chlebeck/
DATE SIGNED:	11/20/2020

PATENT 506365599 REEL: 054430 FRAME: 0461

Total Attachments: 16 source=P0030467USC4_Assignment_parent#page1.tif source=P0030467USC4 Assignment parent#page2.tif source=P0030467USC4 Assignment parent#page3.tif source=P0030467USC4_Assignment_parent#page4.tif source=P0030467USC4_Assignment_parent#page5.tif source=P0030467USC4 Assignment parent#page6.tif source=P0030467USC4_Assignment_parent#page7.tif source=P0030467USC4_Assignment_parent#page8.tif source=P0030467USC4 Assignment parent#page9.tif source=P0030467USC4_Assignment_parent#page10.tif source=P0030467USC4_Assignment_parent#page11.tif source=P0030467USC4 Assignment parent#page12.tif source=P0030467USC4 Assignment parent#page13.tif source=P0030467USC4_Assignment_parent#page14.tif source=P0030467USC4_Assignment_parent#page15.tif source=P0030467USC4_Assignment_parent#page16.tif

PATENT REEL: 054430 FRAME: 0462

ASSIGNMENT OF APPLICATION

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

AV NODAŁ STIMULATION DURING ATRIAL TACHYARRHYTHMIA

TO PREVENT INAPPROPRIATE THERAPY DELI	IVERY	
	sly herewith;	
for which an application for a United States Patent identified as U.S. Patent Application on	cation No	; was
which application is identified as PCT International Patent Application No.	; filed	;
Whereas, <u>Medtronic</u> , <u>Inc.</u> , a corporation organized and existing under the labrating a principle place of business at <u>710 Medtronic Parkway N.E.</u> , <u>Minneapolis</u> . A referred to as "Corporation," is desirous of acquiring the entire right, title and interest United States and for all foreign countries and in and to any and all foreign and domigranted therefore;	<u>Ainnesota 55432-5</u> st in and to said inv	<u>640</u> , hereinafte ention for the

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, including any provisional application disclosing said invention, 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 4 Attorney Docket No.: P0030467.00/1111-157US01 Medtronic, Inc., 710 Medtronic Parkway, Minneapolis, MN 55432

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): Warman Eduardo N. Date: Inventor Amil 27 2011 Citizenship: Country: City and State: USA **United States of America** Maple Grove, Minnesota STATE OF MINNESOTA) SS. COUNTY OF RAMSEY day of , before me personally On this appeared the above-named Eduardo N. Warman, and who executed the foregoing instrument, as said person's free act and deed, on the day and year aforesaid. (Seal) Notary Public Given Name (first and middle initial [if any]): Family Name or Surname (last name): Burnes John E. Date: Inventor's Signature: Residence (City and State): Country: Citizenship: Coon Rapids, Minnesota USA **United States of America** STATE OF MINNESOTA SS. COUNTY OF RAMSEY ____, _____, before me personally appeared the above-named John E. Burnes, and who executed the foregoing instrument, as said person's free act and deed, on the day and year aforesaid. (Scal) Notary Public

Assignment

Page 2 of 4 Attorney Docket No.: P0030467.00/1111-157US01 Medtronic, Inc., 710 Medtronic Parkway, Minneapolis, MN 55432

PATENT REEL: 054430 FRAME: 0464

	Martin Company	
Given Name (first and middle initial [if any]):	Family Name or Surna	me (last name):
Koen J.	Michels	
Inventor's Signature:	Date: //26, 2011	
City and State:	Country:	Citizenship:
Maastricht	Netherlands	Dutch
On this <u>26</u> day of <u>and the same as his/her free act and dec</u>	ess Signature E.T. ed Name 2010, before me d who executed the fore	F. Verbeek personally appeared, Koen J. going instrument and acknowledged
Given Name (first and middle initial [if any]): Paul D.	Family Name or Suma	
Inventor's Signature:	Date:	***************************************
mventor a nighture.		
Residence (City and State): Minneapolis, Minnesota	Country: USA	Citizenship: United States of America
STATE OF MINNESOTA)		
) ss.		
COUNTY OF RAMSEY)		
On this day of appeared the above-named Paul D. Ziegler, and v free act and deed, on the day and year aforesaid.	vho executed the fores	, before me personally going instrument, as said person's

Page 3 of 4 Attorney Docket No.: P0030467-00/1111-157US01 Medtronic, Inc., 710 Medtronic Parkway; Minneapolis, MN 55432

Given Name (first and middle initial [if any]): Lilian	Family Name or Surname (last name): Kornet	
Inventor's Signature:	Date:	
City and State: Maastricht	Country: Netherlands	Citizenship: Dutch
On this day of to me known to be the person described in and who executed the same as his/her free act and deed.	, 2010, before me recuted the foregoing inst	e personally appeared, Lilian Kornet, rument and acknowledged that s/he
Witn	ess Signature	
Prin	ted Name	
On this day of to me known to be the person described in and who executed the same as his/her free act and deed.	2010, before me xecuted the foregoing inst	personally appeared, Lilian Kornet, rument and acknowledged that s/he
Witr	ness Signature	
Prin	ted Name	

ASSIGNMENT OF APPLICATION

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

AV NODAL STIMULATION DURING ATRIAL TACHYAI TO PREVENT INAPPROPRIATE THERAPY DELI		
for which an application for a United States Patent is being filed contemporaneous	sly herewith;	
for which an application for a United States Patent identified as U.S. Patent Application;	cation No.	; was
which application is identified as PCT International Patent Application No.	; filed	.
Whereas, Medtronic. Inc., a corporation organized and existing under the law having a principle place of business at 710 Medtronic Parkway N.E., Minneapolis, N		

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 55432-5640</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, including any provisional application disclosing said invention, 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.

Page 1 of 4 Attorney Docket No.: P0030467.00/1111-157US01 Medtronic, Inc., 710 Medtronic Parkway, Minneapolis, MN 55432

Assignment

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): Warman Eduardo N. Inventor's Signature: Date: City and State: Citizenship: Country: Maple Grove, Minnesota USA **United States of America** STATE OF MINNESOTA SS. COUNTY OF RAMSEY On this day of , before me personally appeared the above-named Eduardo N. Warman, and who executed the foregoing instrument, as said person's free act and deed, on the day and year aforesaid. (Seal) Notary Public Given Name (first and middle initial [if any]): Family Name or Surname (last name): Burnes John E. Inventor's Signature: Date: 26-apr-2011 Residence (City and State): Country: Citizenship: Coon Rapids, Minnesota USA **United States of America** STATE OF MINNESOTA SS. COUNTY OF RAMSEY On this 26 day of April _201/, before me personally appeared the above-named John E Burnes, and who executed the foregoing instrument, as said person's free act and deed, on the day and year aforesaid. KAREN R. TIDEMAND men Sidemand **NOTARY PUBLIC** MINNESOTA (Seal) My Commission Expires Jan. 31, 2011

Assignment

Page 2 of 4 Attorney Docket No.: P0030467.00/1111-157US01 Medtronic, Inc., 710 Medtronic Parkway, Minneapolis, MN 55432

Given Name (first and middle initial [if any]): Koen J.	Family Name or Surname (last name): Michels	
Inventor's Signature:	Date:	
City and State: Maastricht	Country: Netherlands	Citizenship: Dutch
On this day of Michels, to me known to be the person described in and that s/he executed the same as his/her free act and dec	ed.	e personally appeared, Koen J. going instrument and acknowledged
AAIDIC	ess Signature	
	ed Name	
On this day of Michels, to me known to be the person described in and that s/he executed the same as his/her free act and dec		personally appeared, Koen J. going instrument and acknowledged
	ess Signature ed Name	
Given Name (first and middle initial [if any]): Paul D.	Family Name or Surna Ziegler	me (last name):
Inventor's Signature:	Date:	
Residence (City and State): Minneapolis, Minnesota	Country: USA	Citizenship: United States of America
STATE OF MINNESOTA) ss.		
COUNTY OF RAMSEY)		
On this day of appeared the above-named Paul D. Ziegler, and w free act and deed, on the day and year aforesaid.	/ho executed the foreg	_, before me personally oing instrument, as said person's
(Seal)		
	Notary Public	

Page 3 of 4 Attorney Docket No.: P0030467.00/1111-157US01 Medtronic, Inc., 710 Medtronic Parkway, Minneapolis, MN 55432

Given Name (first and middle initial [if any]): Lilian	Family Name or Surname (last name): Kornet	
Inventor's Signature:	Date:	
City and State: Maastricht	Country: Netherlands	Citizenship: Dutch
to me known to be the person described in and who executed the same as his/her free act and deed.	, 2010, before me p executed the foregoing instru tness Signature	ersonally appeared, Lilian Kornet, ment and acknowledged that s/he
Prin	nted Name	
On this day of to me known to be the person described in and who e executed the same as his/her free act and deed.	, 2010, before me pe executed the foregoing instru	rsonally appeared, Lilian Kornet, ment and acknowledged that s/he
Wit	mess Signature	
Prin	nted Name	

ASSIGNMENT OF APPLICATION

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

	AV NODAL STIMULATION DURING ATRIAL TACHYARRHYTHMIA TO PREVENT INAPPROPRIATE THERAPY DELIVERY
2	for which an application for a United States Patent is being filed contemporaneously herewith;
	for which an application for a United States Patent identified as U.S. Patent Application No; was filed on;
	which application is identified as PCT International Patent Application No; filed;

Whereas, Medtronic, Inc., a corporation organized and existing under the laws of the State of Minnesota and having a principle place of business at 710 Medtronic Parkway N.E., Minneapolis, Minnesota 55432-5640, 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, including any provisional application disclosing said invention, 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 4 Attorney Docket No.: P0030467.00/1111-157US01 Medtronic, Inc., 710 Medtronic Parkway, Minneapolis, MN 55432

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): Warman Eduardo N. Inventor's Signature: Date: City and State: Country: Citizenship: Maple Grove, Minnesota USA United States of America STATE OF MINNESOTA SS. COUNTY OF RAMSEY On this day of , before me personally appeared the above-named Eduardo N. Warman, and who executed the foregoing instrument, as said person's free act and deed, on the day and year aforesaid. (Seal) Notary Public Given Name (first and middle initial [if anyl): Family Name or Surname (last name): Burnes John E. Inventor's Signature: Date: Residence (City and State): Country: Citizenship: Coon Rapids, Minnesota USA United States of America STATE OF MINNESOTA SS. COUNTY OF RAMSEY On this _____ day of _ , before me personally appeared the above-named John E. Burnes, and who executed the foregoing instrument, as said person's free act and deed, on the day and year aforesaid. (Seal) Notary Public

	#PARCENCE TO THE PARCE OF THE P		
Given Name (first and middle initial [if any]): Koen J.	Family Name or Surname (last name): Michels		
Inventor's Signature:	Date:		
City and State:	Country:	Citizenship:	
Maastricht	Netherlands	Dutch	
On this day of, 2010, before me personally appeared, Koen J. Michels, to me known to be the person described in and who executed the foregoing instrument and acknowledged that s/he executed the same as his/her free act and deed.			
Witness Signature Printed Name On this day of, 2010, before me personally appeared, Koen J.			
Michels, to me known to be the person described in and who executed the foregoing instrument and acknowledged that s/he executed the same as his/her free act and deed. Witness Signature			
Printed Name			
Given Name (first and middle initial [if any]): Paul D.	Family Name or Surname (last name): Ziegler		
Inventor's Signature: Paul D Zing	Date: 26 - AAD - 201/		
Residence (City and State):	Country:	Citizenship:	
Minneapolis, Minnesota	USA	United States of America	
STATE OF MINNESOTA) ss. COUNTY OF RAMSEY On this			
(Seal) JEAN E. HAYMAN NOTARY PUBLIC-MINNESOTA My Commission Expires Jan. 31, 2015 Notary Public			

Given Name (first and middle initial [if any]):	Family Name or Surname (last name):		
Lilian	Kornet		
Inventor's Signature:	Date:		
City and State:	Country:	Citizenship:	
Maastricht	Netherlands	Dutch	
On thisday of, 2010, before me personally appeared, Lilian Kornet, to me known to be the person described in and who executed the foregoing instrument and acknowledged that s/he executed the same as his/her free act and deed.			
Witness Signature			
Printed Name			
On this day of, 2010, before me personally appeared, Lilian Kornet, to me known to be the person described in and who executed the foregoing instrument and acknowledged that s/he executed the same as his/her free act and deed.			
Witne	ss Signature		
Printe	d Name		



ASSIGNMENT OF APPLICATION

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

AV NODAT STIMITI ATTON DITRING ATRIAL TACTIVARRIVETIMIA

TO PREVENT INAPPROPRIATE THERAPY DELIVERY
for which an application for a United States Patent is being filed contemporaneously herewith;
for which an application for a United States Patent identified as U.S. Patent Application No; was 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 55432-5640</u> , hereinaft 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, including any provisional application disclosing said invention, 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 4 Attorney Docket No.: P0030467.00/1111-157US01 Medtronic, Inc., 710 Medtronic Parkway, Minneapolis, MN 55432

1.77 3.7 (6) (1 110 1 111 110 2)	(s) on the day and year set forth below.		
Given Name (first and middle initial [if any]):	Family Name or Surname (last name):		
Eduardo N.	Warman		
Inventor's Signature:	Date:		
City and State:	Country:	Citizenship:	
Maple Grove, Minnesota	USA	United States of America	
STATE OF MINNESOTA) ss. COUNTY OF RAMSEY) On this day of appeared the above-named Eduardo N. Warman, a person's free act and deed, on the day and year afor	and who executed the for	pefore me personally egoing instrument, as said	
(Seal)	Notary Public		
Given Name (first and middle initial [if any]):	Family Name or Surname (last name):		
John E.	Burnes		
Inventor's Signature:	Date:		
_			
Residence (City and State):	Country:	Citizenship:	
Residence (City and State): Coon Rapids, Minnesota	Country: USA	Citizenship: United States of America	
· · · · · · · · · · · · · · · · · · ·	USA	United States of America	

Assignment

Page 2 of 4 Attorney Docket No.: P0030467.00/1111-157US01 Medtronic, Inc., 710 Medtronic Parkway, Minneapolis, MN 55432

Given Name (first and middle initial [if any]):	Family Name or Surname	(last name):	
Koen J.	Michels		
Inventor's Signature:	Date:		
City and State:	Country:	Citizenship:	
Maastricht	Netherlands	Dutch	
On this day of, 2010, before me personally appeared, Koen J. Michels, to me known to be the person described in and who executed the foregoing instrument and acknowledged that s/he executed the same as his/her free act and deed.			
Witnes	s Signature		
Printed Name			
On this day of, 2010, before me personally appeared, Koen J. Michels, to me known to be the person described in and who executed the foregoing instrument and acknowledged that s/he executed the same as his/her free act and deed.			
Witness Signature Printed Name			
Given Name (first and middle initial [if any]): Paul D.	Family Name or Surname (last name): Ziegler		
Inventor's Signature:	Date:		
Residence (City and State): Minneapolis, Minnesota	Country: USA	Citizenship: United States of America	
STATE OF MINNESOTA)) ss. COUNTY OF RAMSEY)			
On this day of,, before me personally appeared the above-named Paul D. Ziegler, and who executed the foregoing instrument, as said person's free act and deed, on the day and year aforesaid.			
(Seal)	Notary Public		

Page 3 of 4 Attorney Docket No.: P0030467.00/1111-157US01 Medtronic, Inc., 710 Medtronic Parkway, Minneapolis, MN 55432

Given Name (first and middle initial [if any]): Lilian	Family Name or Surname (last name): Kornet		
Inventor's Signature:	Date: 9 mais 2011		
City and State:	Country:	Citizenship:	
Maastricht	Netherlands	Dutch	
On this day of, 2010/ before me personally appeared, Lilian Kornet, to me known to be the person described in and who executed the foregoing instrument and acknowledged that s/he executed the same as his/her free act and deed.			
Myllul Witness Signature Stesemann			
Printed Name			
On this day of, 2010/before me personally appeared, Lilian Komet, to me known to be the person described in and who executed the foregoing instrument and acknowledged that s/he executed the same as his/her free act and deed.			
	ss Signature		
Nicole POTTGENS Printer	d Name		

RECORDED: 11/20/2020

Page 4 of 4 Attorney Docket No.: P0030467.00/1111-157US01 Medtronic, Inc., 710 Medtronic Parkway, Minneapolis, MN 55432

PATENT REEL: 054430 FRAME: 0478