504023264 09/27/2016

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JEROEN JACOB ARNOLD TOL	07/21/2016
EDWARD WILLEM ALBERT YOUNG	07/21/2016
EGBERTUS JOHANNES MARIA BAKKER	09/26/2016

RECEIVING PARTY DATA

Name:	SAPIENS STEERING BRAIN STIMULATION B.V.
Street Address:	HIGH TECH CAMPUS 41
City:	EINDHOVEN
State/Country:	NETHERLANDS
Postal Code:	5656 AE

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15106120

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: 651-735-1100

Email:pairdocketing@ssiplaw.comCorrespondent Name:SHUMAKER & SIEFFERT, P.AAddress Line 1:1625 RADIO DRIVE, SUITE 100Address Line 4:WOODBURY, MINNESOTA 55125

ATTORNEY DOCKET NUMBER:	1123-306US01
NAME OF SUBMITTER:	KAREN SORENSEN
SIGNATURE:	/Karen Sorensen/
DATE SIGNED:	09/27/2016

Total Attachments: 8

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Attorney Docket No.: 1123-303US01/C00011089.USN4 ASSIGNMENT OF APPLICATION(S)

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

AN ELECTRONIC MODULE FOR A SYSTEM FOR NEURAL APPLICATIONS
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. 15/106,120; was filed on June 17, 2016;
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>Sapiens Steering Brain Stimulation B.V.</u> (hereinafter "Sapiens"), having a principal place of business at <u>High tech campus 41, 5656 AE, Eindhoven. The Netherlands</u> (and its successor Medtronic Bakker Research Center B.V. (hereinafter "Medtronic"), having a principal place of business at Endepolsdomein 5, 6229 GW, Maastricht, The Netherlands, effective as of the merger between Sapiens and Medtronic finalized on April 24, 2015) 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 Sapiens and Medtronic and 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, which include the right to claim priority based on the filing date of said application(s), 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 Sapiens and Medtronic 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 Sapiens and Medtronic, 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 Sapiens and Medtronic, 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 Page 1 of 4 Attorney Docket No.: 1123-306US01/C00011089.USN4
Medironic Bakken Research Center B.V., Endepoisdomein 5, 6229 GW, Maastricht, The Netherlands Assignment

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 Sapiens and Medtronic, its successors or assigns, but at the expense of Sapiens and Medtronic.

I/We have authorized and requested or 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 Sapiens and Medtronic, 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]): Jeroen Jacob Arnold	Family Name or Surname (last name): Tol		
Inventor's Signature	Date: JULY 21, 2016		
Residence (City and State): Eindhoven	Country: Citizenship: NL NL		
Witness Signature Witness Printed Name	Witness Signature OLivia Coco Witness Printed Name		

Assignment

Page 2 of 4 Attorney Docket No.: 1123-306US01/C00011089.USN4 Medtronic Bakken Research Center B.V., Endepoisdomein 5, 6229 GW, Meastricht, The Netherlands

	mily Name or Surname (last name):
Inventor's Signature:	Date: 19/4 21 2016
Residence (City and State): Maastricht	Country: / Citizenship: NL NL
Monique VAN LIEMENADE	The
Witness Signature	Witness Signature 7. S. A. WAPEN
Witness Printed Name	Witness Printed Name

Given Name (first and middle initial [if any]): Egbertus Johannes Maria	Family Name or Surname (last name): Bakker		
Inventor's Signature:	Date	_	
Residence (City and State): Wijk en aalburg	Country: NL	Citizenship: NL	
Witness Signature	Witness Sign	ature	
Witness Printed Name	Witness Prin	ted Name	

Assignment

Page 4 of 4 Attorney Docket No.: 1123-308US01/C00011089.USN4 Medironic Bakken Research Center B.V., Endepoisdomein 5, 8229 GW, Maastricht, The Netherlands

Attorney Docket No.: 1123-303US01/C00011089.USN4 ASSIGNMENT OF APPLICATION(S)

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

AN ELECTRONIC MODULE FOR A SYSTEM FOR NEURAL APPLICATIONS
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for which an application for a United States Patent or a U.S. Provisional Application is being filed contemporaneously herewith;
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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>Sapiens Steering Brain Stimulation B.V.</u> (hereinaster "Sapiens"), having a principal place business at <u>High tech campus 41, 5656 AE. Eindhoven. The Netherlands</u> (and its successor Medtronic Bakl Research Center B.V. (hereinaster "Medtronic"), having a principal place of business at Endepolsdomein 5, 6229 G Maastricht, The Netherlands, effective as of the merger between Sapiens and Medtronic sinalized on April 24, 2015 desirous of acquiring the entire right, title and interest in and to said invention for the United States and for all fore
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 Sapiens and Medtronic and 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, which include the right to claim priority based on the filing date of said application(s), 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 Sapiens and Medtronic 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 Sapiens and Medtronic, 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 Sapiens and Medtronic, 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 Page 1 of 4 Attorney Docket No.: 1123-308
Meditronic Bakken Research Center B.V., Endepoisdomein 5, 6229 GW, Maastricht, The Netherlands Assignment Attorney Docket No.: 1123-308US01/C00011089.USN4

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 Sapiens and Medtronic, its successors or assigns, but at the expense of Sapiens and Medtronic.

I/We have authorized and requested or 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 Sapiens and Medtronic, 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]): Jeroen Jacob Arnold	Family Name or Surname (last name): Tol		
Inventor's Signature:	Date:		
Residence (City and State): Eindhoven	Country: NL	Citizenship: NL	
Witness Signature	Witness Signat	ure	:
Witness Printed Name	Witness Printe	d Name	

Given Name (first and middle initial [if any]): Edward Willem Albert	Family Name or Surname (last name): Young		
Inventor's Signature:	Date:		
Residence (City and State): Maastricht	Country: NL	Citizenship: NL	
Witness Signature	Witness Signat	lure	
Witness Printed Name	Witness Printo	ed Name	

Given Name (first and middle initial [if any]): Egbertus Johannes Maria	Family Name or Surname (last name): Bakker	
Inventor's Signature	Date: 28 SEPT	2016.
Residence (City and State): Wijk en aalburg	Country: NL	Citizenship: NL
Witness Signature Witness Signature		
Witness Printed Name Witness Printed Name Witness Printed Name		

Assignment

RECORDED: 09/27/2016

Page 4 of 4 Attorney Docket No.: 1123-306US01/C00011089.USN4 Meditronic Bakken Research Center B.V., Endepoisdomein 5, 6229 GW, Maastricht, The Netherlands