504631457 11/07/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4678175

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DANIEL OSADCHY	11/06/2017
MEIR BAR-TAL	10/31/2017
LIRON SHMUEL MIZRAHI	11/06/2017

RECEIVING PARTY DATA

Name:	BIOSENSE WEBSTER (ISRAEL) LTD.
Street Address:	4 HATNUFA STREET
City:	YOKNEAM
State/Country:	ISRAEL
Postal Code:	2066717

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15788286

CORRESPONDENCE DATA

Fax Number: (732)524-2808

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.

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Correspondent Name: JOSEPH F. SHIRTZ, ESQ.

Address Line 1: ONE JOHNSON & JOHNSON PLAZA
Address Line 4: NEW BRUNSWICK, NEW JERSEY 08933

ATTORNEY DOCKET NUMBER:	BIO5811USNP
NAME OF SUBMITTER:	JOAN R. THIEL
SIGNATURE:	/Joan R. Thiel/
DATE SIGNED:	11/07/2017
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 6

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PATENT 504631457 REEL: 044056 FRAME: 0580

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> PATENT REEL: 044056 FRAME: 0581

	Attorney Docket No.: BIO5811USNP
COMBINED D	ECLARATION AND ASSIGNMENT
Title of Invention: BASELINE IMPEDANCE M	APS FOR TISSUE PROXIMITY INDICATIONS
This declaration and assignment is directed to:	The attached or filed herewith application of (list of named inventors),
inga katalangan pagalangan katalan kat	
	The United States application or PCT international application number 15/788,286 filed on October 19, 2017.
Declaration	
As the below named inventor, I hereby declar	n jakan di kumuda kada da di saman kuli, at 20 jan da kada bada kada kuli di da da kada kuli. C that:
The above-identified application ("Application	n") was made or authorized by me.
I believe that I am the original inventor or an	original inventor of a claimed invention or discovery in the Application.
	of the Application, including the claims, and I acknowledge the duty to disclose d in Title 37, the United States Code of Federal Regulations, §1.56 for filings of this
	statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or for filings of this Application in the United States of America.
A corpo	Biosense Webster (Israel) Ltd. 4 Hatnufa Street Yokneam, 2066717 Israel ration of the state or country of <u>Israel</u> after designated as the "Assignee"),
	te above-identified invention by previous assignment (attached hereto) to Assignee latent Office and I confirm I have and do assign and transfer:
Gr	
	ciency of which is acknowledged, I hereby assign and transfer and/or have assigned
and transferred to Assignee:	
right to claim priority to the Application, all inventions European Patent Office and of all other countries, w inventions or discoveries and all rights in such Applic thereof, and to all Letters Patent that may be granted protection certificates, reexaminations, renewals, and to	Application, including all priority rights for other countries arising therefrom and the or discoveries therein disclosed, and any and all Letters Patent of the United States, hich may be granted for such inventions or discoveries, or any of them, all such ation including any and all provisionals, substitutions, divisions, and continuations if for said inventions and discoveries, and in and to all extensions, supplementary reissues thereof, to be held and enjoyed by Assignee for its own use and enjoyment ters Patent may be granted, as fully and entirely as the same would have been held seen made.
Office, any other patent offices, and under the Patent any reexamination of any of such applications, and	the Application in the United States Patent and Trademark Office, European Patent Cooperation Treaty, and any continuing, divisional, or reissue applications thereof, any patent term extensions or supplementary protection certificates of any such is in connection with such applications as the Assignee may deem necessary or

-1

PATENT REEL: 044056 FRAME: 0582

Attorney Docket No.: BIO5811USNP

I shall execute all papers necessary in connection with any litigation or any other judicial proceeding in the United States or other country, or any administrative proceeding in the United States Patent and Trademark Office, European Patent Office, any other patent office, or under the Patent Cooperation Treaty concerning the Application(s) or any continuation, divisional, or reissue applications thereof, or any reexamination of any such applications, or any Letters Patent issued therefrom or any patent term extensions or supplementary protection certificates of any such applications and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such litigation or proceeding.

I shall execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

I shall do all other acts which, in the opinion of Assignee, may be necessary or desirable to secure the grant of Letters Patent to Assignee or its nominees, in the United States, by the European Patent Office and in all other countries where Assignee may desire to have such inventions or discoveries, or any of them, patented, with specifications and claims in such form as shall be approved by Assignee and to vest and confirm in Assignee or its nominees the full and complete legal and equitable title to all such Letters Patent.

I hereby (i) authorize and request the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from the Application or any divisional, continuation, or reissue applications thereof, and any reexamination of any of such applications, to Assignee, and (ii) covenant that I have full right to convey the interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

I hereby grant the attorney of record the power to insert on this assignment any further identification which may be necessary or desirable in order to obtain legal recordation of this document.

DANIEL OSADCHY	
	6. Nov . 2017
Signature	Date

LEGAL NAME OF INVENTOR

Title of Invention: BASELINE IMPEDANCE MAPS FOR TISSUE PROXIMITY INDICATIONS This declaration and assignment is directed to: The attached or filed herewith application of (list of nareed inventors)				Attorney Docket No	.: BIO5811USNP
The attached or filed herewith application of (list of named inventors) Or The United States application or PCT international application number 15/188.286 filed on October 19, 2017. Declaration As the below named inventor, I hereby declare that: The above-identified application ("Application") was made or authorized by me. I believe that I am the original inventor or an original inventor of a claimed invention or discovery in the Application. I have reviewed and understood the contents of the Application, including the claims, and I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, the United States Code of Federal Regulations, \$1.56 for filings of this Application in the United States of America. I hereby acknowledge that any willful false statement made in this declaration as punishable under 18 U.S.C. § 1001 by fine or impresonment of not more than five (3) years, or both for filings of this Application in the United States of America. Assignment Biosense Webster (Israel) Ltd. 4 Hannafa Street Yikineam. 2065/11/1srael A corporation of the state or country of Israel (thereinafter designated as the "Assignee"), I hereby acknowledge that I have assigned the above-identified invention by previous assignment (attached hereto) to Assignee which is hereby conformed for recordation in the US Patera Office and I confirm have and do assign and transfer and/or have assigned and transferred to Assignee: my entire right, title, and interest in, to, and under the Application, including all priority rights for other countries arising thereforem and the right to claim priority to the Application, all inventions or discoveries, and all pights in such Applications in the discoveries therein disclosed, and any and all Letters Patent of the United States, European Patent Office and of all other countries, which may be granted for such inventions or discoveries, or any of them, all such inventions or discoveries, or any of them, all such inventions or discoverie	COMBINEL	DECLARATIO	N AND ASSIGNN	ÆNT	
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Assignment Biosense Webster (Israel) Ltd. 4 Hatnufa Street Yokneam, 2066717 Israel A corporation of the state or country of Israel (herrinafter designated as the "Assignee"), I hereby acknowledge that I have assigned the above-identified invention by previous assignment (attached hereto) to Assignee which is hereby conformed for recordation in the US Patent Office and I confirm I have and do assign and transfer and/or have assigned and transferred to Assignee: or For good and valuable consideration, the sufficiency of which is acknowledged, I hereby assign and transfer and/or have assigned and transferred to Assignee: my entire right, title, and interest in, to, and under the Application, including all priority rights for other countries arising therefrom and the right to claim priority to the Application, all inventions or discoveries therein disclosed, and any and all Letters Patent of the United States, European Patent Office and of all other countries, which may be granted for such inventions or discoveries, or any of them, all such inventions or discoveries and all rights in such Application including any and all provisionals, substitutions, divisions, and continuations thereof, and to all Letters Patent that may be granted for said inventions and discoveries, and in and to all extensions, supplementary protection certificates, reexaminations, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own use and enjoyment to the full end of the term or terms for which such 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. I shall execute all papers necessary in connection with the Application in the United States Patent and Trademark Office, European Patent Office, any other patent offices, and under the Patent Cooperation Treaty, and any continuing, divisional, or reissue applications thereof, any reexamination of any of such applications, and any patent term extensions or supplementary	information which is material to patentability as def				
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PATENT

REEL: 044056 FRAME: 0584

Attorney Docket No.: BIO5811USNP

I shall execute all papers necessary in connection with any litigation or any other judicial proceeding in the United States or other country, or any administrative proceeding in the United States Patent and Trademark Office, European Patent Office, any other patent office, or under the Patent Cooperation Treaty concerning the Application(s) or any continuation, divisional, or reissue applications thereof, or any reexamination of any such applications, or any Letters Patent issued therefrom or any patent term extensions or supplementary protection certificates of any such applications and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such litigation or proceeding.

I shall execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

I shall do all other acts which, in the opinion of Assignee, may be necessary or desirable to secure the grant of Letters Patent to Assignee or its nominees, in the United States, by the European Patent Office and in all other countries where Assignee may desire to have such inventions or discoveries, or any of them, patented, with specifications and claims in such form as shall be approved by Assignee and to vest and confirm in Assignee or its nominees the full and complete legal and equitable title to all such Letters Patent.

I hereby (i) authorize and request the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from the Application or any divisional, continuation, or reissue applications thereof, and any reexamination of any of such applications, to Assignee, and (ii) covenant that I have full right to convey the interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

I hereby grant the attorney of record the power to insert on this assignment any further identification which may be necessary or desirable in order to obtain legal recordation of this document.

LEGAL NAME OF INVE	NTOR (
MEIR BAR-TAL	8	29	
	A CONTRACTOR OF THE PARTY OF TH	31, Oct, 20/2	
Signature /		Date	~

Attorney Docket No.: BIG	D5811USNP
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	COMBINED	DECLARATION AND AS	SSIGNMENT	
Title of Invention: BASELI	NE IMPEDANCE	MAPS FOR TISSUE PROXIMIT	Y INDICATIONS	
This declaration and assignment i	s directed to:	The attached or filed herewith ap	pplication of (list of named inventors)	
		The United States application or number 15/783,286 filed on Octo		
Declaration	sasiji biling galaya we Sesteljanga alamaye "		Taga Talanda da seri barra da de de de de debar. Baga agas de español de la composição de l	
As the below named inve	entor, I hereby dec	Tallet and the second of the s		
The above-identified app	lication ("Applica	ation") was made or authorized by i		
I believe that I am the or	iginal inventor or	an original inventor of a claimed in	ivention or discovery in the Application	
	atentability as defi		the claims, and I acknowledge the dut Code of Federal Regulations, §1.56 for t	
		se statement made in this declaration in the for filings of this. Application in	on is punishable under 18 U.S.C. § 100 the United States of America.	Ol by fine or
Assignment				
		Biosense Webster (Israel) Ltd.		
		4 Hatnufa Street Yokneam, 2066717 Israel		
		rporation of the state or country of		
	(her	reinafter designated as the "Assigne	∞°"),	
		I the above-identified invention by S Patent Office and I confirm I hav	previous assignment (attached hereto) to and do assign and transfer:	to Assignee
or.				
For good and valuable co and transferred to Assignee:	msideration, the st	ufficiency of which is acknowledge	ed, I hereby assign and transfer and/or h	ave assigned
right to claim priority to the Appli European Patent Office and of a inventions or discoveries and all thereof, and to all Letters Patent protection certificates, reexamina	ication, all inventical other countries, rights in such App that may be grantions, renewals, and for which such less for which such less to the countries of th	ons or discoveries therein disclosed, which may be granted for such indication including any and all protected for said inventions and discoved reissues thereof, to be held and a Letters Patent may be granted, as f	y rights for other countries arising there: I, and any and all Letters Patent of the U inventions or discoveries, or any of the visionals, substitutions, divisions, and c veries, and in and to all extensions, su enjoyed by Assignee for its own use an fully and entirely as the same would har	Inited States, sem, all such continuations applementary and enjoyment
Office, any other patent offices, a any reexamination of any of suc applications and also to execute	and under the Pate th applications, ar	nt Cooperation Treaty, and any co	tates Patent and Trademark Office, Euro intinuing, divisional, or reissue applicat supplementary protection certificates dications as the Assignee may deem i	ions thereof, of any such
expedient.				
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PATENT

REEL: 044056 FRAME: 0586

Attorney Docket No.: BIOS811USNP

I shall execute all papers necessary in connection with any litigation or any other judicial proceeding in the United States or other country, or any administrative proceeding in the United States Patent and Trademark Office, European Patent Office, any other patent office, or under the Patent Cooperation Treaty concerning the Application(s) or any continuation, divisional, or reissue applications thereof, or any reexamination of any such applications, or any Letters Patent issued therefrom or any patent term extensions or supplementary protection certificates of any such applications and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such litigation or proceeding.

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I hereby grant the attorney of record the power to insert on this assignment any further identification which may be necessary or desirable in order to obtain legal recordation of this document.

LIRON SHMUEL MIZRAHI	
	6-100-17
Signature	Date

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LEGAL NAME OF INVENTOR