PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4987848

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MEIR BAR-TAL	05/08/2018
ABRAHAM BERGER	05/24/2018
AVRI HAZAN	05/24/2018
DANIEL OSADCHY	05/07/2018

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:	15968221

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.

Phone: 7325241163

Email: JNJUSPATENT@CORUS.JNJ.COM

Correspondent Name: JOSEPH F. SHIRTZ, ESQ.

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

ATTORNEY DOCKET NUMBER:	BIO5249USCNT1
NAME OF SUBMITTER:	JOAN R. THIEL
SIGNATURE:	/Joan R. Thiel/
DATE SIGNED:	06/01/2018
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 8

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PATENT REEL: 045962 FRAME: 0952

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		Attorney Docket No.: BIO5249USCNT1
	COMBINED	DECLARATION AND ASSIGNMENT
	W - 1 W	
Title of Invention:	MONITORING	TISSUE TEMPERATURE WHILE USING AN IRRIGATED CATHETER
This declaration and assignment is	directed to:	The attached or filed herewith application of (list of named inventors),
	Or	
	8	The United States application or PCT international application number 15/968.221 filed on May 1, 2018.
Declaration		
As the below named inve	ntor, I hereby decl	ars that:
The above-identified app	lication ("Applicat	tion") was made or authorized by me.
I believe that I am the ori	ginal inventor or a	n original inventor of a claimed invention or discovery in the Application.
I have reviewed and und information which is material to po Application in the United States of	atentability as defi	nts of the Application, including the claims, and I acknowledge the duty to disclose ned in Title 37, the United States Code of Federal Regulations, §1.56 for filings of this
I hereby acknowledge the imprisonment of not more than five	at any willful false e (5) years, or bot	e statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or h for filings of this Application in the United States of America.
Assignment		
		Biosense Webster (Israel) Ltd. 4 Hatnufa Street Yokneam, 2066717 Israel poration of the state or country of Israel einafter designated as the "Assignee"),
I hereby acknowledge the which is hereby conformed for rec	at I have assigned cordation in the US	the above-identified invention by previous assignment (attached hereto) to Assignee Patent Office and I confirm I have and do assign and transfer:
or		
For good and valuable co and transferred to Assignee:	nsideration, the su	fficiency of which is acknowledged. I hereby assign and transfer and/or have assigned
right to claim priority to the Applic European Patent Office and of all inventions or discoveries and all r thereof, and to all Letters Patent protection certificates, reexaminat	cation, all invention I other countries, ights in such App that may be grantions, renewals, and for which such I	e Application, including all priority rights for other countries arising therefrom and the ns or discoveries therein disclosed, and any and all Letters Patent of the United States, which may be granted for such inventions or discoveries, or any of them, all such lication including any and all provisionals, substitutions, divisions, and continuations and for said inventions and discoveries, and in and to all extensions, supplementary dividences thereof, to be held and enjoyed by Assignee for its own use and enjoyment afters Patent may be granted, as fully and entirely as the same would have been held been made.
Patent Office, any other patent of thereof, any reexamination of any	fices, and under the of such application	ction with the Application in the United States Patent and Trademark Office, European the Patent Cooperation Treaty, and any communing, divisional, or reissue applications as, and any patent term extensions or supplementary protection certificates of any such and any patent with such applications as the Assignee may deem necessary or
		3

Attorney Docket No.: BIO5249USCNT1

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 INVENTOR

MEIR BAR-TAL

Signature

Date

		Attorney Docket No.: BIO5249USCNT1
	COMBINED	DECLARATION AND ASSIGNMENT
Title of Invention:	MONITORING	TISSUE TEMPERATURE WHILE USING AN IRRIGATED CATHETER
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	Or	
		The United States application or PCT international application number 15/968.221 filed on May 1, 2018.
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As the below named it	nventor, I hereby dec	lare that:
The above-identified :	application ("Applica	tion") was made or authorized by me.
l believe that I am the	original inventor or a	an original inventor of a claimed invention or discovery in the Application.
I have reviewed and information which is material this Application in the United	to patentability as de	nts of the Application, including the claims, and I acknowledge the duty to disclose fined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of
I hereby acknowledge imprisonment of not more than	that any willful fals five (5) years, or bot	e statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or th for filings of this Application in the United States of America.
Assignment		Biosense Webster (Israel) Ltd. 4 Hatmufa Street Yokneam, 2066717 Israel poration of the state or country of Israel einafter designated as the "Assignee"),
I hereby acknowledge which is hereby conformed for	that I have assigned recordation in the U	I the above-identified invention by previous assignment (attached hereto) to Assignee S Patent Office and I confirm I have and do assign and transfer:
or		
For good and valuab assigned and transferred to Ass		sufficiency of which is acknowledged, I hereby assign and transfer and/or have
the right to claim priority to the States. European Patent Office such inventions or discoveries continuations thereof, and to a supplementary protection centre.	e Application, all im e and of all other co s and all rights in all Letters Patent the ficates, reexamination of the term or terms !	the Application, including all priority rights for other countries arising therefrom and ventions or discoveries therein disclosed, and any and all Letters Patent of the United untries, which may be granted for such inventions or discoveries, or any of them, all such Application including any and all provisionals, such Application including any and all provisionals, and in and to all extensions, and it may be granted for said inventions and discoveries, and in and to all extensions, an, renewals, and reissues thereof, to be held and enjoyed by Assigner for its own use for which such Letters Patent may be granted, as fully and entirely as the same would nent and sale not been made.
European Patent Office, any capplications thereof, any reco	other patent offices, a mination of any o	nnnection with the Application in the United States Patent and Trademark Office, and under the Patent Cooperation Treaty, and any continuing, divisional, or ressue of such applications, and any patent term extensions or supplementary protection ecute separate assignments in connection with such applications as the Assignee may
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Attorney Docket No.: BIO5249USCNT1

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 INVENTOR

ABRAHAM BERGER

MAY 24, 2018

Date

		Attorney Docket No.: BIO5249USCNTI
	COMBINED	DECLARATION AND ASSIGNMENT
Title of Invention:	MONITORING	TISSUE TEMPERATURE WHILE USING AN IRRIGATED CATHETER
This declaration and assignment	nt is directed to:	The attached or filed herewith application of (list of named inventors)
	Qr	
		The United States application or PCT international application number 15/968,221 filed on May 1, 2018.
Declaration		
As the below named i	nventor, I bereby decl	are that:
The above-identified	application ("Applicat	ion") was made or authorized by me.
I believe that I am the	original inventor or a	n original inventor of a claimed invention or discovery in the Application.
I have reviewed and information which is material this Application in the United	to patentability as de-	ats of the Application, including the claims, and I acknowledge the duty to disclose fined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of
I hereby acknowledge imprisonment of not more than	e that any willful false n five (5) years, or bot	statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or in for filings of this. Application in the United States of America.
Assignment		
		Biosense, Webster (Israel) Ltd. 4 Hetnufa Succet Yokneam, 2066717 Israel poretion of the state or country of Israel inafter designated as the "Assignee"),
I hereby acknowledge which is hereby conformed for	e that I have assigned recordation in the US	the above-identified invention by previous assignment (attached hereto) to Assignee Patent Office and I confirm I have and do assign and transfer:
81		
For good and valuat assigned and transferred to As		sufficiency of which is acknowledged, I hereby assign and transfer and/or have
the right to claim priority to the States, European Patent Office such inventions or discoverie continuations thereof, and to sumplementary protestion confi-	se Application, all invice and of all rights in a said all rights in a said Letters Patent that ficates, reexamination of the term or terms of	he Application, including all priority rights for other countries arising therefrom and sentions or discoveries therein disclosed, and any and all Letters Patent of the United autries, which may be gramed for such inventions or discoveries, or any of them, all such Application including any and all provisionals, substitutions, divisions, and I may be granted for said inventions and discoveries, and in and to all extensions, a tenewals, and reissues thereof, to be held and enjoyed by Assignee for its own use or which such Letters Patent may be granted, as fully and entirely as the same would and and sale not been made.
European Patent Office, any a spolications thereof, any res	other patent offices, a xamination of any of	nnection with the Application in the United States Patent and Trademark Office, and under the Patent Cooperation Treaty, and any continuing, divisional, or reissue is such applications, and any patent term extensions or supplementary protection cute separate assignments in connection with such applications as the Assignce may
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Attorney Docket No.: BIOS249USCNT1

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 Assignce 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 Assigner, may be necessary or desirable to secure the grant of Letters Patent to Assignce 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 Assignce and to vest and confirm in Assignce 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.

AVRI HAZAN MAY 24, 2018

LEGAL NAME OF INVENTOR

Signature

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		Attorney Docket No.: BIO5249USCNT)
	COMBINED	DECLARATION AND ASSIGNMENT
Title of Invention:	MONITORING	NSSUE TEMPERATURE WHILE USING AN IRRIGATED CATHETER
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The above-identified appl	lication ("Applicat	ion") was made or authorized by me.
I believe that I am the ori	ginal inventor or a	n original inventor of a claimed invention or discovery in the Application.
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Assignment		and the second of the second o
	A con (bere	Biosense Webster (Israel) Ltd. 4 Hatnufa Street Yokneam, 7066717 Israel coration of the state or country of Israel sinafter designated as the "Assignee").
I hereby acknowledge the which is hereby conformed for rec	at I have assigned cordation in the US	the above-identified invention by previous assignment (attached hereto) to Assignee Patent Office and I confirm I have and do assign and transfer:
or		
For good and valuable co and transferred to Assignee:	nsideration, the su	fficiency of which is acknowledged, I hereby assign and transfer and/or have assigned
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 emirely as the same would have been held and enjoyed by me had this assignment and sale not been made.		
Patent Office, any other patent of thereof any reexamination of any	Tices, and under to of such application	ction with the Application in the United States Patent and Trademark Office, European ne Patent Cooperation Treaty, and any continuing, divisional, or reissue applications as, and any patent term extensions or supplementary protection certificates of any such and in connection with such applications as the Assignee may deem necessary or
		1 -

Attorney Docket No.: BIO5249USCNT1

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LEGAL NAME OF INVENTOR

DANIEL OSADCHY	
	7.164 2018
Signature	Date