504800825 03/01/2018

EPAS ID: PAT4847557

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE: NEW ASSIGNMENT NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JEFFREY WILLIAM SCHULTZ	01/05/2018
MARK T. STANLEY	01/08/2018
DANIELE GHIDOLI	02/21/2018

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:	15844301

CORRESPONDENCE DATA

Fax Number: (626)577-8800

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: 626-795-9900 Email: pto@lrrc.com

LEWIS ROCA ROTHGERBER CHRISTIE LLP **Correspondent Name:**

Address Line 1: P.O. BOX 29001

Address Line 4: GLENDALE, CALIFORNIA 91209-9001

ATTORNEY DOCKET NUMBER:	131115/BIOSENSE
NAME OF SUBMITTER:	ANITA G. JOHNSON
SIGNATURE:	/Anita G. Johnson/
DATE SIGNED:	03/01/2018

Total Attachments: 6

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> **PATENT** REEL: 045082 FRAME: 0700 504800825

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> PATENT REEL: 045082 FRAME: 0701

	COMBINED	DECLARATION AND ASSIGNMENT
Title of Invention:	tle of Invention: CATHETER WITH BIASED AND DISCRETE DEFLECTION CHARACTERISTICS AND RELATED METHODS	
This declaration and assi	gnment is directed to:	
		The attached or filed herewith application of (list of named inventors),
	or	
D	\boxtimes	The United States application or PCT international application number 15/844301 filed on December 15, 2017.
Declaration		
As the below na	med inventor, I hereby decl	are that:
The above-ident	ified application ("Applicat	tion") was made or authorized by me.
I believe that I a	m the original inventor or a	n original inventor of a claimed invention or discovery in the Application.
I have reviewed information which is ma this Application in the U	terial 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 acknow imprisonment of not mor	vledge that any willful false e than five (5) years, or both	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
	A corp	poration of the state or country of <u>Israel</u>
	(here	einafter designated as the "Assignee"),
I hereby acknow	vledge that I have assigned	EADY HAVE A SEPARATE ASSIGNMENT TO ATTACH 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 vassigned and transferred		sufficiency of which is acknowledged, I hereby assign and transfer and/or have
the right to claim priority States, European Patent such inventions or disc continuations thereof, ar supplementary protection and enjoyment to the ful	y to the Application, all inv Office and of all other con overies and all rights in a d to all Letters Patent that a certificates, reexamination I end of the term or terms f	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 antries, which may be granted for such inventions or discoveries, or any of them, all such Application including any and all provisionals, substitutions, divisions, and it may be granted for said inventions and discoveries, and in and to all extensions, as, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own use for which such Letters Patent may be granted, as fully and entirely as the same would tent and sale not been made.
		Page 1 of 2

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 protection certificates of any such applications and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

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.

Attorney Docket No.: 131115/BIOSENSE

IIS Application No.: 15/844201

		US Application No.: 13/844301
	COMBINED	DECLARATION AND ASSIGNMENT
Title of Invention:	CATHETER WITH BI	ASED AND DISCRETE DEFLECTION CHARACTERISTICS HODS
This declaration and assi	gnment is directed to:	
		The attached or filed herewith application of (list of named inventors),
	or	
	\boxtimes	The United States application or PCT international application number 15/844301 filed on December 15, 2017.
Declaration		
As the below na	med inventor, I hereby dec	clare that:
The above-iden	tified application ("Applica	ation") was made or authorized by me.
I believe that I a	am the original inventor or	an original inventor of a claimed invention or discovery in the Application.
information which is ma	d and understood the contenterial to patentability as definited States of America.	ents of the Application, including the claims, and I acknowledge the duty to disclose efined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of
I hereby acknov imprisonment of not mor	wledge that any willful fals te than five (5) years, or bo	se 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 Hatnufa Street Yokneam 2066717 Israel
	A co	rporation of the state or country of Israel
	(he	reinafter designated as the "Assignee"),
I hereby acknow	wledge that I have assigned	READY HAVE A SEPARATE ASSIGNMENT TO ATTACH d 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 assigned and transferred		e sufficiency of which is acknowledged, I hereby assign and transfer and/or have
the right to claim priorit States, European Paten such inventions or disc continuations thereof, a supplementary protectio and enjoyment to the fu	by to the Application, all in t Office and of all other co coveries and all rights in and to all Letters Patent th n certificates, reexamination to the term or terms	the Application, including all priority rights for other countries arising therefrom and eventions or discoveries therein disclosed, and any and all Letters Patent of the United puritries, which may be granted for such inventions or discoveries, or any of them, all such Application including any and all provisionals, substitutions, divisions, and at may be granted for said inventions and discoveries, and in and to all extensions, ons, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own use for which such Letters Patent may be granted, as fully and entirely as the same would ment and sale not been made.
		Page 1 of 2

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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.

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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.

LEGAL NAME OF INVENTOR

DEGAD MAINE OF HAVENTOK	
Jeffrey William Schultz	
Signature	Date
Mark T. Stanley	1/8/2013
Signature	Date
Daniele Ghidoli	
Signature	Date
AGJ 103171709.1-*-01/03/2018 2:24 PM	
Page 2 o	of 2

	COMBINED	DECLARATION AND ASSIGNMENT	
Title of Invention:	: CATHETER WITH BIASED AND DISCRETE DEFLECTION CHARACTERISTICS AND RELATED METHODS		
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	or		
Declaration	\boxtimes	The United States application or PCT international application number 15/844301 filed on December 15, 2017.	
	and inventor I homely doe	lana that	
	med inventor, I hereby dec		
		tion") was made or authorized by me.	
I believe that I a	m the original inventor or a	an original inventor of a claimed invention or discovery in the Application.	
I have reviewed information which is mathemation in the U	terial 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	
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	A cor	poration of the state or country of Israel	
	(her	einafter designated as the "Assignee"),	
I hereby acknow	wledge that I have assigned ed for recordation in the US	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 assigned and transferred		e sufficiency of which is acknowledged, I hereby assign and transfer and/or have	
the right to claim priorit States, European Patent such inventions or disc continuations thereof, as supplementary protection and enjoyment to the ful	y to the Application, all involved Office and of all other coveries and all rights in and to all Letters Patent that a certificates, reexamination lend of the term or terms in	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, substitutions, divisions, and at may be granted for said inventions and discoveries, and in and to all extensions, renewals, and reissues thereof, to be held and enjoyed by Assignee 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.	
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Page 1 of 2

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Jeffrey William Schultz Signature Date Mark T. Stanley Date Daniele Ghidoli Daniele Ghidoli Signature Date Page 2 of 2

PATENT REEL: 045082 FRAME: 0707

RECORDED: 03/01/2018