# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5336283

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
E	Corrective Assignment to correct the FIRST INVENTOR, ZVI DEKEL'S EXECUTION DATE previously recorded on Reel 043116 Frame 0035. Assignor(s) hereby confirms the ASSIGNMENT IS CORRECT.

## **CONVEYING PARTY DATA**

Name	Execution Date
ZVI DEKEL	06/26/2017
AKRAM ZOABI	07/12/2017
YANIV BEN ZRIHEM	07/13/2017

#### **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:	15602818

#### CORRESPONDENCE DATA

Fax Number: (215)568-6499

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.

215-568-6400 Phone: Email: ajones@vklaw.com

Correspondent Name: C. FREDERICK KOENIG III Address Line 1: VOLPE AND KOENIG, P.C.

Address Line 2: 30 SOUTH 17TH STREET, 18TH FLOOR Address Line 4: PHILADELPHIA, PENNSYLVANIA 19103

ATTORNEY DOCKET NUMBER:	JNJBIO-5786USNP
NAME OF SUBMITTER:	C. FREDERICK KOENIG III
SIGNATURE:	/C. Frederick Koenig III/
DATE SIGNED:	01/22/2019

**Total Attachments: 8** 

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**PATENT REEL: 048107 FRAME: 0039** 

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PATENT REEL: 048107 FRAME: 0040 1/22/2019 Assignment

# 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
ZVI DEKEL	07/26/2017
AKRAM ZOABI	07/12/2017
YANIV BEN ZRIHEM	

#### 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**

********		Number
	Application Number:	15602818

## **CORRESPONDENCE DATA**

 Fax Number:
 (215)568-6499

 Phone:
 2155686400

 Email:
 hsmoot@yklaw.com

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.

**Correspondent Name:** VOLPE AND KOENIG, PC **Address Line 1:** 30 SOUTH 17TH STREET

Address Line 2: SUITE 1800

Address Line 4: PHILADELPHIA, PENNSYLVANIA 19103

ATTORNEY DOCKET NUMBER:	JNJ-BIO5786USNP
NAME OF SUBMITTER:	C. FREDERICK KOENIG III
Signature:	/C. Frederick Koenig III/
Date:	07/27/2017

**Total Attachments: 6** 

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## RECEIPT INFORMATION

**EPAS ID:** PAT4522994 **Receipt Date:** 07/27/2017

						Attorney I	ocket No.: J	NJ-BIO5786	USNP
	СОМ	BINED	DECLAR	ATION AND	ASSIGN	MENT			
	of Invention: NEEDLE PUNCT leclaration and assignment is directed		ARNING TO	AVOID RUPTU	RING OF BI	RONCHOS	COPE		
			The attache	d or filed herew	ith applicatio	n of (list of	named inven	tors)	<u></u> ,
		Or							
		$\boxtimes$		States application 602,818 filed on			pplication		
Deck	aration								
	As the below named inventor, I be	ereby dec	lare that:						
	The above-identified application (	("Applica	tion") was m	ide or authorized	l by me.				
	I believe that I am the original inv	entor or	an original inv	entor of a claim	ed invention	or discover	y in the Appl	ication.	
	I have reviewed and understood nation which is material to patentable Application in the United States of Ar	lity as de							
impris	I hereby acknowledge that any w sonment of not more than five (5) yea							. § 1001 by I	fine or
Assi	gnment								
			<u>4 Ha</u>	/ebster (Israel) L itnufa Street					
		A cor		<u>i, 2066717 Israel</u> e state or countr					
		(her	einafter desig	nated as the "As	signee"),				
□ which	I hereby acknowledge that I have is hereby conformed for recordation							nereto) to As	signee
or									
SZA.			er i	_ = 11 g G g g g = 11 g	, <sup>4</sup> 60 ,	7 1 1			
⊠ assign	For good and valuable considerated and transferred to Assignee:	anon, inc	sumerency	of which is act	cnowledged,	i hereby a	ssign and tr	inster and/oi	: nave
the rig States such contin supple and er	tire right, title, and interest in, to, and to claim priority to the Application, European Patent Office and of all inventions or discoveries and all remaining thereof, and to all Letters Fernentary protection certificates, reexployment to the full end of the term of the held and enjoyed by me had this	on, all invother con ights in ratent that amination or terms i	ventions or di intries, which such Applica t may be gra is, renewals, a for which such	scoveries thereir i may be granted ition including inted for said in and reissues ther h Letters Patent	i disclosed, a I for such in- any and all ventions and cof, to be he	nd any and rentions or provisional discoverie ld and enjo	all Letters P discoveries, is, substitutions, and in and s, and in and yed by Assig	Patent of the I or any of the ons, divisions it to all extended for its over the or its over t	United em, all s, and asions, wn use
Office any re	execute all papers necessary in country, any other patent offices, and under examination of any of such applications and also to execute separate tent.	the Pater ations, ar	nt Cooperationd any patent	n Treaty, and an term extension	y continuing s or supplen	, divisional ientary pro	, or reissue a tection certif	pplications th icates of any	nereof, y such
						Attorney D	ocket No.: J	NJ-BIO5786	USNP

PATENT REEL: 048107 FRAME: 0043

4708343-1

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.

Zvi Dekel

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4708343-1

26 June

					Atte	orney Docket No.:	JNJ-BIO5786USNP
		COMBINED	DECLARAT	TION AND A	LSSIGNME	Nr	
Titl:	e of Invention: NEED	LE PUNCTURE WA	ARNING TO AV	OID RUPTURI	NG OF BRON	ICHOSCOPE	
	declaration and assignmen						
			The attached o	r filed herewith	application of	(list of named inve	ntors),
		$\mathbf{Or}$					
		<b></b>		ites application of 1,818 filed on M		tional application	
Dec	laration		numeral x.57002	.,010 DA.G Ca 19	ay 23, 2017.		
	As the below named i	nventor, I hereby dec	lare that:				
	The above-identified	application ("Applica	tion") was made	or authorized by	y me.		
	I believe that I am the	original inventor or a	an original inven	or of a claimed	invention or d	iscovery in the App	lication.
	I have reviewed and						
	mation which is material		fined in Title 37	, the United Sta	ues Code of F	ederal Regulations.	§1.56 for filings of
ms .	Application in the United	States of America.					
mpri	I hereby acknowledge sonment of not more than						C. § 1001 by fine or
A nai							
ASSI	gnment		Riosense Web	ster (Israel) Ltd.			
				fa Street	ka Tina dia Silangan		
		*		<u>066717 Israel</u>	0.7		
			poration of the st einafter designate				
L.J Which	I hereby acknowledge i is hereby conformed for						hereto) to Assignee
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<b>7</b> 1	For good and valuat	ale consideration, the	sufficiency of	which is ackno	wledged The	erehy assion and t	ransfer and/or have
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	ntire right, title, and inter ght to claim priority to th						
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ınd e	njoyment to the full end	of the term or terms i	or which such L	etters Patent ma			
iave	been held and enjoyed by	y me had this assignm	ent and sale not	been made.			
shal	l execute all papers neces	sary in connection wi	ith the Applicatio	n in the United	States Patent a	ind Trademark Offi	.ce, European Patent
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what	COUNTY OF THE STATE OF THE STAT						
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					Atto	rney Docket No.:	INJ-BIO5786USNP

**PATENT** 

**REEL: 048107 FRAME: 0045** 

4708355-1

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.

 $\frac{A \mathcal{E}_{Can}}{\text{Signature}} \frac{12-7-2017}{\text{Date}}$ 

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4708355-1

Akram Zoabi

	Attorney Docket No.: JN	I-BIO5786USNP	
	COMBINED DECLARATION AND ASSIGNMENT		
Title of Invention: NEEDLE PUNCTURE WARNING TO AVOID RUPTURING OF BRONCHOSCOPE			
This d	declaration and assignment is directed to:  The attached or filed herewith application of (list of named inventor	78)	
	$\mathbf{O}_{\mathbf{f}}$		
	The United States application or PCT international application number 15/602,818 filed on May 23, 2017.		
Decla	aration		
	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.			
lmpris	I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. § sonment of not more than five (5) years, or both for filings of this Application in the United States of America.	1001 by fine or	
Assig	gnment		
	Biosense Webster (Israel) Ltd.		
	4 Hatnufa Street Yokneam, 2066717 Israel		
	A corporation of the state or country of Israel		
	(hereinafter 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:			
or			
⊠ assign	For good and valuable consideration, the sufficiency of which is acknowledged, I hereby assign and trans- sed and transferred to Assignee:	fer and/or have	
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.			
Office, any re-	execute all papers necessary in connection with the Application in the United States Patent and Trademark Office, any other patent offices, and under the Patent Cooperation Treaty, and any continuing, divisional, or reissue applications of any of such applications, and any patent term extensions or supplementary protection certifications and also to execute separate assignments in connection with such applications as the Assignee may decient.	ications thereof, tes of any such	
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	Attorney Docket No.: JNJ	BIOSTRAITENID	
	Auditoy-Locket No., 3No.	Sica/accaint	
470836			

PATENT REEL: 048107 FRAME: 0047 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.

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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.			
Yaniv Ben Zrihem	13/2/612		
Signature	Date		

2

4708361-1