## 505280703 01/16/2019

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

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EPAS ID: PAT5327477

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
BENJAMIN COHEN	01/01/2019
LIOR ZAR	01/01/2019
AHARON TURGEMAN	01/01/2019
NATAN SHARON KATZ	01/07/2019

### **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:	16236964

### **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:** 732-524-1163

**Email:** jnjuspatent@corus.jnj.com

Correspondent Name: JOSEPH F. SHIRTZ

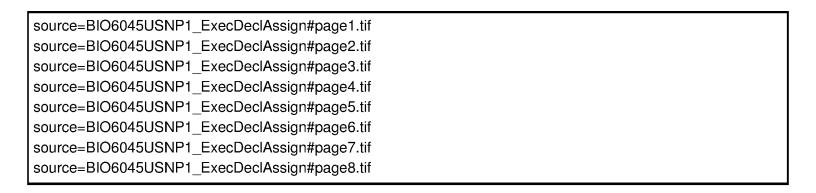
Address Line 1: JOHNSON & JOHNSON

Address Line 2: ONE JOHNSON & JOHNSON PLAZA
Address Line 4: NEW BRUNSWICK, NEW JERSEY 08933

ATTORNEY DOCKET NUMBER:	BIO6045USNP1	
NAME OF SUBMITTER:	CHRISTINE CICENIA	
SIGNATURE:	/Christine Cicenia/	
DATE SIGNED:	01/16/2019	
This document serves as an Oath/Declaration (37 CFR 1.63).		

**Total Attachments: 8** 

PATENT REEL: 048028 FRAME: 0034



PATENT REEL: 048028 FRAME: 0035

	Altomey Docket No.: 8106045USNP1		
COMBINED	DECLARATION AND ASSIGNMENT		
Title of Invention: VOLUME RENDERING	OPTIMIZATION WITH KNOWN TRANSFER FUNCTION		
This declaration and assignment is directed to:	The attached or filed herewith application of (list of named inventors)		
Or			
	The United States application or PCT international application		
Declaration	number <u>16/236,964</u> filed on <u>December 31, 2018.</u>		
	S 2,		
As the below named inventor, I hereby dec			
The above-identified application ("Applica			
I believe that I am the original inventor or t	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 fals imprisonment of not more than five (5) years, or bot	te statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or the for filings of this. Application in the United States of America.		
Assignment			
<u>Biosense Webster (Israel) Ltd.</u> <u>4 Hatnufa Storet</u> <u>Yokneam, 2066717 Israel</u> A corporation of the state or country of <u>Israel</u> (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:			
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.			
Office, any other patent offices, and under the Pate	with the Application in the United States Patent and Trademark Office, European Patent and Cooperation Treaty, and any continuing, divisional, or reissue applications thereof, and any patent term extensions or supplementary protection certificates of any such pents in connection with such applications as the Assignee may deem necessary or		
	<b>§</b>		

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	
BENJAMIN COHEN	1/2/29
Signature	Date

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	Attorney Docket No.: BIO6045USNP1
COMBINED DI	ECLARATION AND ASSIGNMENT
Title of Invention: VOLUME RENDERING OF	PTIMIZATION WITH KNOWN TRANSFER FUNCTION
This declaration and assignment is directed to:	he unacted or filed herewith application of (list of named inventors)
Or	
	he United States application or PCT international application umber 16/236,964 filed on December 31, 2018.
Declaration	
As the below named inventor, I hereby declare	that:
The above-identified application ("Application	r") was made or authorized by me.
I believe that I am the original inventor or an o	riginal inventor of a claimed invention or discovery in the Application.
I have reviewed and understood the contents information which is material to patemability as defined Application in the United States of America.	of the Application, including the claims, and I acknowledge the duty to disclose I in Title 37, the United States Code of Federal Regulations, §1.56 for filings of this
I hereby acknowledge that any willful false st imprisonment of not more than five (5) years, or both for	estement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or or filings of this Application in the United States of America.
Assignment	
A corpor	Biosense Webster (Israel) Ltd.  4 Hatnufa Street  Yokneam, 2066717 Israel  ration of the state or country of Israel  after designated as the "Assignee"),
I hereby acknowledge that I have assigned the which is hereby conformed for recordation in the US Pa	e above-identified invention by previous assignment (attached hereto) to Assignee atent Office and I confirm I have and do assign and transfer:
02.	
For good and valuable consideration, the suffice and transferred to Assignee:	ciency of which is acknowledged, I hereby assign and transfer and/or have assigned
right to claim priority to the Application, all inventions European Patent Office and of all other countries, wh inventions or discoveries and all rights in such Applica thereof, and to all Letters Patent that may be granted protection certificates, reexaminations, renewals, and n	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, which may be granted for such inventions or discoveries, or any of them, all such action including any and all provisionals, substitutions, divisions, and continuations for said inventions and discoveries, and in and to all extensions, supplementary eissues 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 C	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 a term of a connection with such applications as the Assignee may deem necessary or
A.	#f5

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 Assignee, may be necessary or desimble 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.

any agreement in contact i	REICWIRI.			
I hereby grant the attorney of record the power to insert on this assignment any further identification which may be necessary desirable in order to obtain legal recordation of this document.				
LEGAL NAME OF INV	LEGAL NAME OF INVENTOR			
LIOR ZAR		1///19		
Signature		Date		
STON AN				

	Attorney Docket No.: BIO6045USNP1		
COMBINED	DECLARATION AND ASSIGNMENT		
Title of Invention: VOLUME RENDERING	O OPTIMIZATION WITH KNOWN TRANSFER FUNCTION		
This declaration and assignment is directed to:	The attached or filed herewith application of (list of named inventors)		
Or			
	The United States application or PCT international application number 16/236.964 filed on December 31, 2018.		
Declaration			
As the below named inventor, I hereby dec	clare that:		
The above-identified application ("Application)	usion") 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 patemability 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 fal- imprisonment of not more than five (5) years, or bo	se statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or 8th for fillings of this. Application in the United States of America.		
Assignment  A co	Biosense Webster (Israel) Litl.  4 Hattiula Street  Yokneam, 2066717 Israel  superation of the state or country of Israel reinafter 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 Patem Office and I confirm I have and do assign and transfer:			
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 communitions 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 other patent offices, and under the Pat	with the Application in the United States Patent and Trademark Office, European Patent tent Cooperation Treaty, and any continuing, divisional, or reissue applications thereof, and any patent term extensions or supplementary protection certificates of any such ments in connection with such applications as the Assignee may deem necessary or		

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

AHARON TURGEMAN

Cierrotteen

Date

	Atterney Docket No.: BiO6045USNP1
COMBINED	DECLARATION AND ASSIGNMENT
Title of Invention: VOLUME RENDERING	OPTIMIZATION WITH KNOWN TRANSFER FUNCTION
This declaration and assignment is directed to:	The attached or filed herewith application of (list of named inventors),
Or	
Ø	The United States application or PCT international application number 16/236,964 filed on December 31, 2018.
Declaration	
As the below named inventor, I hereby deci	lare that:
The above-identified application ("Applica	tion") was made or authorized by me.
I believe that I am the original inventor or a	na original inventor of a claimed invention or discovery in the Application.
I have reviewed and understood the come information which is material to patentability as defi Application in the United States of America.	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 that any willful fals imprisonment of not more than five (5) years, or bot	e 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 Hatmifa Street  Yokneam, 2066717 Israel  poration of the state or country of <u>Israel</u> einafter designated as the "Assignee"),
I hereby acknowledge that I have assigned which is hereby conformed for recordation in the Us	the above-identified invention by previous assignment (attached hereto) to Assignce 8 Patent Office and I confirm I have and do assign and transfer:
or	
For good and valuable consideration, the st and transferred to Assignee:	ifficiency of which is acknowledged. I hereby assign and transfer and/or have assigned
right to claim priority to the Application, all invention European Patent Office and of all other countries, inventions or discoveries and all rights in such App thereof, and to all Letters Patent that may be gran protection certificates, reexaminations, renewals, an	the Application, including all priority rights for other countries arising therefrom and the constant of 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 discation including any and all provisionals, substitutions, divisions, and continuations and for said inventions and discoveries, and in and to all extensions, supplementary all reissues thereof, to be held and enjoyed by Assignee for its own use and enjoyment Letters Patent may be granted, as fully and entirely as the same would have been held to been made.
Office, any other patent offices, and under the Pate any reexamination of any of such applications, as	ith the Application in the United States Patent and Trademark Office, European Patent of Cooperation Treaty, and any continuing, divisional, or reissue applications thereof, and any patent term extensions or supplementary protection certificates of any such tents in connection with such applications as the Assignee may deem necessary or
	<b>§</b>

PATENT REEL: 048028 FRAME: 0042

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 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 INVENT	OR	
NATAN SHARON KATZ	110/	
		7-Jah-19
Signature		Date

2