505445485 04/25/2019

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5492286

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

## **CONVEYING PARTY DATA**

Name	Execution Date
BARRY C. WORRELL	08/24/2017
GEOFFREY S. STROBL	08/24/2017
GREGORY A. TREES	08/30/2017
JONATHAN T. BATROSS	08/24/2017
KRISTEN T. SHOGER	08/24/2017
DAVID K. NORVELL	08/24/2017
MICHAEL J. ANDREYKO	09/10/2017
GREGORY W. JOHNSON	08/29/2017
SHAWN C. SNYDER	08/24/2017

## **RECEIVING PARTY DATA**

Name:	ETHICON LLC
Street Address:	#475 STREET C, SUITE 401
Internal Address:	LOS FRAILES INDUSTRIAL PARK
City:	GUAYNABO
State/Country:	PUERTO RICO
Postal Code:	00969

## **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15463526

#### **CORRESPONDENCE DATA**

**Fax Number:** (412)355-6501

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:** 4123558276

**Email:** piuspatents@klgates.com

Correspondent Name: CARA M. PINTO
Address Line 1: 210 SIXTH AVENUE
K&L GATES CENTER

Address Line 4: PITTSBURGH, PENNSYLVANIA 15222-2613

ATTORNEY DOCKET NUMBER: 0241980.00325

505445485 REEL: 048994 FRAME: 0700

PAIENI

NAME OF SUBMITTER:	CARA M. PINTO
SIGNATURE:	/Cara M. Pinto/
DATE SIGNED:	04/25/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 18	
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source=SignedDecs#page18.tif	

COMBINED DECLARATION AND ASSIGNMENT		
Title of Invention: HAPTIC FEED	BACK DE	EVICES FOR SURGICAL ROBOT
This declaration and assignment is directed	ed to:	
		The attached or filed herewith application of (list of named inventors),
	or	
	$\boxtimes$	The United States application or PCT international application number <u>15/463,526</u> filed on <u>March 20, 2017</u> .
Declaration		
As the below named inventor, I h	nereby dec	lare that:
The above-identified application	("Applica	tion") was made or authorized by me.
${f I}$ believe that ${f I}$ am the original in	ventor or a	an original inventor of a claimed invention or discovery in the Application.
	oility as de	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
		e 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		Ethicon LLC #475 Street C, Suite 401 Los Frailes Industrial Park Guaynabo, Puerto Rico 00969
	a Liı	mited Liability Company of <u>Delaware</u> .
	-	einafter designated as the "Assignee"),
		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 valuable consider assigned and transferred to Assignee:	ration, the	sufficiency of which is acknowledged, I hereby assign and transfer and/or have
the right to claim priority to the Applicati States, European Patent Office and of all such inventions or discoveries and all continuations thereof, and to all Letters supplementary protection certificates, reex	ion, all inv l other cou rights in s Patent that kamination or terms fo	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 t 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 ent and sale not been made.
		Page 1 of 2

US Application No.: 15/463,526

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.

Barry C. Worrell LEGAL NAME OF INVENTOR

0

Signature

8-24-2017

Date

COMBINED DECLARATION AND ASSIGNMENT		
Title of Invention: <u>HAPTIC FEEDBACK DEVICES FOR SURGICAL ROBOT</u>		
This declaration and assignment is directed to:		
The attached or filed herewith application of (list of na	med inventors),	
or		
The United States application or PCT international app number <u>15/463,526</u> filed on <u>March 20, 2017</u> .	lication	
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 is	n the Application.	
I have reviewed and understood the contents of the Application, including the claims, and I acknowledge information which is material to patentability as defined in Title 37, the United States Code of Federal Reputition in the United States of America.	nowledge the duty to disclose gulations, §1.56 for filings of	
I hereby acknowledge that any willful false statement made in this declaration is punishable under imprisonment of not more than five (5) years, or both for filings of this Application in the United States of A	r 18 U.S.C. § 1001 by fine or America.	
Ethicon LLC #475 Street C, Suite 401 Los Frailes Industrial Park Guaynabo, Puerto Rico 00969		
a Limited Liability Company of <u>Delaware</u> .		
(hereinafter designated as the "Assignee"),		
I hereby acknowledge that I have assigned the above-identified invention by previous assignment which is hereby conformed for recordation in the US Patent Office and I confirm I have and do assign and true.	(attached hereto) to Assignee ansfer:	
or		
For good and valuable consideration, the sufficiency of which is acknowledged, I hereby assassigned and transferred to Assignee:	ign and transfer and/or have	
my entire right, title, and interest in, to, and under the Application, including all priority rights for other content to claim priority to the Application, all inventions or discoveries therein disclosed, and any and all States, European Patent Office and of all other countries, which may be granted for such inventions or discoveries and all rights in such Application including any and all provisionals, continuations thereof, and to all Letters Patent that may be granted for said inventions and discoveries, supplementary protection certificates, reexaminations, renewals, and reissues thereof, to be held and enjoyed and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, as fully and have been held and enjoyed by me had this assignment and sale not been made.	Il Letters Patent of the United scoveries, or any of them, all substitutions, divisions, and and in and to all extensions, d by Assignee for its own use	
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.

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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.

Geoffrey S. Strobl

LEGAL NAME OF INVENTOR

Signature

8/24/2017

COMBINED DECLARATION AND ASSIGNMENT		
Title of Invention: HAPTIC FEEDBACK DEVICES FOR SURGICAL ROBOT		
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 15/463,526 filed on March 20, 2017.	
Declaration		
As the below named inventor, I hereby declar	re that:	
The above-identified application ("Application	on") 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 is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both for filings of this Application in the United States of America.		
Assignment	Bthicon LLC #475 Street C, Suite 401 Los Frailes Industrial Park Guaynabo, Puerto Rico 00969	
a Lim	ited Liability Company of <u>Delaware</u> .	
(herei	nafter designated as the "Assignee"),	
	he 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 consideration, the sassigned and transferred to Assignee;	sufficiency of which is acknowledged, I hereby assign and transfer and/or have	
the right to claim priority to the Application, all inve- States, European Patent Office and of all other coun such inventions or discoveries and all rights in su- continuations thereof, and to all Letters Patent that supplementary protection certificates, reexaminations.	e Application, including all priority rights for other countries arising therefrom and ntions or discoveries therein disclosed, and any and all Letters Patent of the United atries, which may be granted for such inventions or discoveries, or any of them, all ach Application including any and all provisionals, substitutions, divisions, and 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 which such Letters Patent may be granted, as fully and entirely as the same would nt and sale not been made.	
<b>\</b>	Page 1 of 2	

US Application No.: 15/463,526

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.

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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.

Gregory A. Trees
LEGAL NAME OF INVENTOR
Signature

8/30/2017

COMBINED DECLARATION AND ASSIGNMENT	
Title of Invention: HAPTIC FEEDBACK DEVICES FOR SURGICAL ROBOT	
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 15/463,526 filed on March 20, 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 disc information which is material to patentability as defined in Title 37, the United States Code of Federal Regulations, §1.56 for filing this Application in the United States of America.	
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Ethicon LLC  #475 Street C, Suite 401  Los Frailes Industrial Park Guaynabo, Puerto Rico 00969	
a Limited Liability Company of <u>Delaware</u> .	
(hereinafter designated as the "Assignee"),	
I hereby acknowledge that I have assigned the above-identified invention by previous assignment (attached hereto) to Assig which is hereby conformed for recordation in the US Patent Office and I confirm I have and do assign and transfer:	nee
or	
For good and valuable consideration, the sufficiency of which is acknowledged, I hereby assign and transfer and/or hassigned and transferred to Assignee:	ave
my entire right, title, and interest in, to, and under the Application, including all priority rights for other countries arising therefrom the right to claim priority to the Application, all inventions or discoveries therein disclosed, and any and all Letters Patent of the Unit States, European Patent Office and of all other countries, which may be granted for such inventions or discoveries, or any of them, such inventions or discoveries and all rights in such Application including any and all provisionals, substitutions, divisions, 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 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 we have been held and enjoyed by me had this assignment and sale not been made.	all and ons, use
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.

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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.

Jonathan T. Batross LEGALNAME OF INVENTOR

Signatu#

Date

8/24/2017

COMBINED DECLARATION AND ASSIGNMENT		
Title of Invention: HAPTIC FEEDBACK DEVICES FOR SURGICAL ROBOT		
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 <u>15/463,526</u> filed on <u>March 20, 2017</u> .		
Declaration		
As the below named inventor, I hereby declare that:		
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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 is punishable under 18 U.S.C. § 1001 by imprisonment of not more than five (5) years, or both for filings of this Application in the United States of America.	fine or	
Assignment		
Ethicon LLC #475 Street C, Suite 401		
Los Frailes Industrial Park Guaynabo, Puerto Rico 00969		
a Limited Liability Company of Delaware,		
(hereinafter designated as the "Assignee"),		
I hereby acknowledge that I have assigned the above-identified invention by previous assignment (attached hereto) to As which is hereby conformed for recordation in the US Patent Office and I confirm I have and do assign and transfer:	signee	
or		
For good and valuable consideration, the sufficiency of which is acknowledged, I hereby assign and transfer and/or assigned and transferred to Assignee:	r have	
my entire right, title, and interest in, to, and under the Application, including all priority rights for other countries arising therefro the right to claim priority to the Application, all inventions or discoveries therein disclosed, and any and all Letters Patent of the States, European Patent Office and of all other countries, which may be granted for such inventions or discoveries, or any of the such inventions or discoveries and all rights in such Application including any and all provisionals, substitutions, division continuations thereof, and to all Letters Patent that may be granted for said inventions and discoveries, and in and to all exter supplementary protection certificates, reexaminations, renewals, and reissues thereof, to be held and enjoyed by Assignee for its ow 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 have been held and enjoyed by me had this assignment and sale not been made.	United em, all s, and usions, wn use	
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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.

Kristen T. Shoger

LEGAL NAME OF INVENTOR

Signature

Aug. 24, 2017

COMBINED DECLARATION AND ASSIGNMENT		
Title of Invention: HAPTIC FEEDBACK DEVICES FOR SURGICAL ROBOT		
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 15/463,526 filed on March 20, 2017.		
Declaration		
As the below named inventor, I hereby declare that:		
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I believe that I am the original inventor or an original inventor of a claimed invention or discovery in the Application.		
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Ethicon LLC  #475 Street C, Suite 401  Los Frailes Industrial Park  Guaynabo, Puerto Rico 00969		
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(hereinafter designated as the "Assignee"),		
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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.		
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David K. Norvell
LEGAL NAME OF INVENTOR

Signature

08-24-2017

Date

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I believe that I am the original inver	ntor or a	n original inventor of a claimed invention or discovery in the Application.
	y as def	ts of the Application, including the claims, and I acknowledge the duty to disclose ined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of
		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.
Assignment		
		Ethicon LLC #475 Street C, Suite 401 Los Frailes Industrial Park Guaynabo, Puerto Rico 00969
	a Lin	nited Liability Company of <u>Delaware</u> .
	(here	inafter designated as the "Assignee"),
		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 consideratinssigned and transferred to Assignee:	ion, the	sufficiency of which is acknowledged, I hereby assign and transfer and/or have
the right to claim priority to the Application States, European Patent Office and of all of such inventions or discoveries and all right continuations thereof, and to all Letters Pateupplementary protection certificates, reexan	, all inventher count hts in stent that ninations	ne Application, including all priority rights for other countries arising therefrom and entions or discoveries therein disclosed, and any and all Letters Patent of the United intries, which may be granted for such inventions or discoveries, or any of them, all such Application including any and all provisionals, substitutions, divisions, and may be granted for said inventions and discoveries, and in and to all extensions, or, renewals, 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 ent and sale not been made.
		Page 1 of 2

US Application No.: 15/463,526

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.

Michael J. Andreyko

LEGAL NAME OF INVENTOR

.....

9-10-20

Date

REEL: 048994 FRAME: 0715

COM	IBINED	DECLARATION AND ASSIGNMENT
Title of Invention: HAPTIC FEED	BACK DE	EVICES FOR SURGICAL ROBOT
This declaration and assignment is directe	d to:	
		The attached or filed herewith application of (list of named inventors),
	or	
	$\boxtimes$	The United States application or PCT international application number <u>15/463,526</u> filed on <u>March 20, 2017</u> .
Declaration		
As the below named inventor, I h	iereby decl	are that:
The above-identified application	("Applicat	tion") was made or authorized by me.
I believe that I am the original in	ventor or a	in original inventor of a claimed invention or discovery in the Application.
I have reviewed and understood information which is material to patentab this Application in the United States of A	ility 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 that any vimprisonment of not more than five (5) ye	villful false ars, 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		
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	a Lin	nited Liability Company of <u>Delaware</u> .
	(here	einafter designated as the "Assignee"),
I hereby acknowledge that I have which is hereby conformed for recordation	e assigned n 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 consider assigned and transferred to Assignee:	ation, the	sufficiency of which is acknowledged, I hereby assign and transfer and/or have
the right to claim priority to the Applicati States, European Patent Office and of all such inventions or discoveries and all secontinuations thereof, and to all Letters I supplementary protection certificates, reex	on, all involuted on the couriest in second or second on the couriest contractions or terms for the terms fo	the Application, including all priority rights for other countries arising therefrom and entions or discoveries therein disclosed, and any and all Letters Patent of the United ntries, which may be granted for such inventions or discoveries, or any of them, all such Application including any and all provisionals, substitutions, divisions, and may be granted for said inventions and discoveries, and in and to all extensions, s, renewals, 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 ent and sale not been made.
		Page 1 of 2

US Application No.: 15/463,526

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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.

Gregory W. Johnson

LEGAL NAME OF INVENTOR

Signature-

 $\frac{8/29/17}{\text{Date}}$ 

COMBINED DECLARATION AND ASSIGNMENT			
Title of Invention: HAPTIC	FEEDBACK DE	EVICES FOR SURGICAL ROBOT	
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 <u>15/463,526</u> filed on <u>March 20, 2017</u> .	
Declaration			
As the below named inven	itor, I hereby decl	lare that:	
The above-identified appli	cation ("Applicat	tion") 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.			
	atentability as def	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	
		e 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		Ethicon LLC #475 Street C, Suite 401 Los Frailes Industrial Park Guaynabo, Puerto Rico 00969	
	a Lir	mited Liability Company of <u>Delaware</u> .	
	(here	einafter designated as the "Assignee"),	
		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 valuable consigned and transferred to Assigned		sufficiency of which is acknowledged, I hereby assign and transfer and/or have	
he right to claim priority to the Apstates, European Patent Office and such inventions or discoveries and continuations thereof, and to all Lappelementary protection certificates	oplication, all involuted of all other cound all rights in setters Patent that its, reexaminations terms for the terms for t	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 t 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 ent and sale not been made.	
	•	Page 1 of 2	

US Application No.: 15/463,526

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LEGAL NAME OF INVENTOR

Shawn C. Snyder

Date