# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7595661

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
SARAH A. WORTHINGTON	02/23/2016
MORGAN R. HUNTER	02/19/2016
FREDERICK E. SHELTON IV	02/17/2016
DOUGLAS B. HOFFMAN	04/18/2016
LAUREN S. WEANER	02/22/2016
MICHAEL J. VENDELY	02/22/2016

# **RECEIVING PARTY DATA**

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

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	17547964

# **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:** 4123553746

Email: piuspatents@klgates.com
Correspondent Name: MICHELLE L. WEAVER
Address Line 1: 210 SIXTH AVENUE
Address Line 2: K&L GATES CENTER

Address Line 4: PITTSBURGH, PENNSYLVANIA 15222-2613

ATTORNEY DOCKET NUMBER:	END7852USCNT1/150531CON1
NAME OF SUBMITTER:	MICHELLE L. WEAVER
SIGNATURE:	/Michelle L. Weaver/
DATE SIGNED:	10/18/2022

PATENT 507548770 REEL: 061450 FRAME: 0549

This document serves as an Oath/Declaration (37 CFR 1.63).

### **Total Attachments: 12**

source=END7852USCNT1\_150531CON1\_ComboDecAsn\_from\_parent\_Inventors\_to\_EES\_LLC#page1.tif source=END7852USCNT1\_150531CON1\_ComboDecAsn\_from\_parent\_Inventors\_to\_EES\_LLC#page2.tif source=END7852USCNT1\_150531CON1\_ComboDecAsn\_from\_parent\_Inventors\_to\_EES\_LLC#page3.tif source=END7852USCNT1\_150531CON1\_ComboDecAsn\_from\_parent\_Inventors\_to\_EES\_LLC#page4.tif source=END7852USCNT1\_150531CON1\_ComboDecAsn\_from\_parent\_Inventors\_to\_EES\_LLC#page5.tif source=END7852USCNT1\_150531CON1\_ComboDecAsn\_from\_parent\_Inventors\_to\_EES\_LLC#page6.tif source=END7852USCNT1\_150531CON1\_ComboDecAsn\_from\_parent\_Inventors\_to\_EES\_LLC#page7.tif source=END7852USCNT1\_150531CON1\_ComboDecAsn\_from\_parent\_Inventors\_to\_EES\_LLC#page8.tif source=END7852USCNT1\_150531CON1\_ComboDecAsn\_from\_parent\_Inventors\_to\_EES\_LLC#page9.tif source=END7852USCNT1\_150531CON1\_ComboDecAsn\_from\_parent\_Inventors\_to\_EES\_LLC#page10.tif source=END7852USCNT1\_150531CON1\_ComboDecAsn\_from\_parent\_Inventors\_to\_EES\_LLC#page11.tif source=END7852USCNT1\_150531CON1\_ComboDecAsn\_from\_parent\_Inventors\_to\_EES\_LLC#page11.tif source=END7852USCNT1\_150531CON1\_ComboDecAsn\_from\_parent\_Inventors\_to\_EES\_LLC#page11.tif source=END7852USCNT1\_150531CON1\_ComboDecAsn\_from\_parent\_Inventors\_to\_EES\_LLC#page11.tif

PATENT REEL: 061450 FRAME: 0550

	Attorney Docket No : <u>END7852USNP 150531</u> US Application No. 15/019,227	
COMBINED	DECLARATION AND ASSIGNMENT	
Title of Invention: ARTICULATABLE SURGICAL INSTRUMENTS WITH SINGLE ARTICULATION LINK ARRANGEMENTS		
This declaration and assignment is directed to:		
	The attached or filed herewith application of (list of named inventors)	
OF .		
	The United States application or PCT international application number 15/019,227 filed on February 9, 2016.	
Declaration		
As the below named inventor, I hereby dec	lare that:	
The above-identified application ("Applica	tion") was made or authorized by me.	
I 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 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.		
	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		
	Ethicon Endo-Surgery, LLC  #475 Street C  Los Frailes Industrial Park Guaynabo, Puerto Rico 00969	
a Li	mited Liability Company of <u>Delaware</u> .	
(her	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 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		
Page 1 of 2		

PATENT REEL: 061450 FRAME: 0551

Attorney Docket No.: END7852USNP/150531

US Application No.:15/019,227

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.

Sarah A. Worthington
LEGAL NAME OF INVENTOR

Sarah Wasting

2-23-2016

	US Application No.:15/019,227
COMB	INED DECLARATION AND ASSIGNMENT
Title of Invention: <u>ARTICULATABI</u> <u>ARRANGEMENT</u>	E SURGICAL INSTRUMENTS WITH SINGLE ARTICULATION LINK S
This declaration and assignment is directed	o:
	The attached or filed herewith application of (list of named inventors),
	or
	The United States application or PCT international application number 15/019,227 filed on February 9, 2016.
Declaration	
As the below named inventor, I her	eby declare that:
	Application") was made or authorized by me.
	ntor or an original inventor of a claimed invention or discovery in the Application.
I have reviewed and understood the information which is material to patentability this Application in the United States of American	e contents of the Application, including the claims, and I acknowledge the duty to disclose ty as defined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of crica.
	Iful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or s, or both for filings of this Application in the United States of America.
Assignment	
-	Ethicon Endo-Surgery, LLC #475 Street C Los Frailes Industrial Park Guaynabo, Puerto Rico 00969
	a Limited Liability Company of <u>Delaware</u> .
	(hereinafter designated as the "Assignee"),
	ssigned the above-identified invention by previous assignment (attached hereto) to Assigned the US Patent Office and I confirm I have and do assign and transfer:
or	
For good and valuable considerat assigned 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 c such inventions or discoveries and all rig continuations thereof, and to all Letters Pa supplementary protection certificates, reexamples	under the Application, including all priority rights for other countries arising therefrom and all inventions or discoveries therein disclosed, and any and all Letters Patent of the United ther countries, which may be granted for such inventions or discoveries, or any of them, all hts in such Application including any and all provisionals, substitutions, divisions, and tent that may be granted for said inventions and discoveries, and in and to all extensions minations, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own used terms for which such Letters Patent may be granted, as fully and entirely as the same would assignment and sale not been made.

Page 1 of 2

Attorney Docket No.: END7852USNP/150531

US Application No.: 15/019,227

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.

Morgan R. Hunter
LEGAL NAME OF INVENTOR

Signature

Date

Attorney Docket No.: END7852USNP/150531
US Application No.:15/019.227

		OS Application No.: 13/019,227
	COMBINE	D DECLARATION AND ASSIGNMENT
Title of Inve	ention: <u>ARTICULATABLE SU</u> <u>ARRANGEMENTS</u>	RGICAL INSTRUMENTS WITH SINGLE ARTICULATION LINK
This declaration	n 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 15/019,227 filed on February 9, 2016.
Declaration		
As the	below named inventor, I hereby d	eclare that:
The at	oove-identified application ("Appli	cation") was made or authorized by me.
I belie	ve that I am the original inventor o	or an original inventor of a claimed invention or discovery in the Application.
information wh		ntents of the Application, including the claims, and I acknowledge the duty to disclose defined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of
I herel imprisonment c	by acknowledge that any willful far of not more than five (5) years, or b	alse statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or both for filings of this Application in the United States of America.
Assignment		Ethicon Endo-Surgery, LLC #475 Street C Los Frailes Industrial Park Guaynabo, Puerto Rico 00969
	a	Limited Liability Company of <u>Delaware</u> .
	(l	nereinafter designated as the "Assignee"),
I herel which is hereby	by acknowledge that I have assign conformed for recordation in the	ed the above-identified invention by previous assignment (attached hereto) to Assignee US Patent Office and I confirm I have and do assign and transfer:
or		
	ood and valuable consideration, tansferred to Assignee:	the sufficiency of which is acknowledged, I hereby assign and transfer and/or have
the right to clai States, Europe such invention continuations the supplementary and enjoyment	m priority to the Application, all an Patent Office and of all other of s or discoveries and all rights in precept, and to all Letters Patent to protection certificates, reexaminat	er the Application, including all priority rights for other countries arising therefrom and inventions or discoveries therein disclosed, and any and all Letters Patent of the United countries, which may be granted for such inventions or discoveries, or any of them, all n such Application including any and all provisionals, substitutions, divisions, and hat may be granted for said inventions and discoveries, and in and to all extensions, ions, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own uses 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

Attorney Docket No.: END7852USNP/150531

US Application No.: 15/019,227

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.

Frederick E. Shelton, IV
LEGAL NAME OF INVENTOR

Signature

2/17/1L

Date

Attorney Docket No.: END7852USNP/150531

		US Application No.: <u>15/019,222</u>
	COMBINED	DECLARATION AND ASSIGNMENT
Title of Invention:	ARTICULATABLE SUR ARRANGEMENTS	EGICAL INSTRUMENTS WITH SINGLE ARTICULATION LINK
This declaration and ass	signment 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>15/019,227</u> filed on <u>February 9, 2016</u> .
Declaration		
As the below n	amed inventor, I hereby dec	clare that:
The above-iden	ntified application ("Applica	ation") 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.
information which is m		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
		se statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine on th for filings of this Application in the United States of America.
Assignment		Ethicon Endo-Surgery, LLC #475 Street C Los Frailes Industrial Park Guaynabo, Puerto Rico 00969
	a Li	mited Liability Company of <u>Delaware</u> .
	(her	reinafter designated as the "Assignee"),
		I the above-identified invention by previous assignment (attached hereto) to Assigned 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 priorical States, European Paten such inventions or discontinuations thereof, a supplementary protection and enjoyment to the fu	ty to the Application, all invit Office and of all other concoveries and all rights in and to all Letters Patent that n certificates, reexamination and of the term or terms of	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 it may be granted for said inventions and discoveries, and in and to all extensions are, 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

Attorney Docket No.: END7852USNP/150531 US Application No.:15/019,227

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.

Douglas B. Hoffman
LEGAL NAME OF INVENTOR

Signature

Date

Attorney Docket No.: END7852USNP/150531
US Application No.:15/019 227

		US Application No.: 15/019,221
	COMBINE	D DECLARATION AND ASSIGNMENT
Title of In	ovention: <u>ARTICULATABLE SUI</u> <u>ARRANGEMENTS</u>	RGICAL INSTRUMENTS WITH SINGLE ARTICULATION LINK
This declara	ation 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 15/019,227 filed on February 9, 2016.
Declaratio	on	
As	the below named inventor, I hereby de	eclare that:
· · The	e above-identified application ("Applic	cation") was made or authorized by me.
I be	elieve that I am the original inventor or	an original inventor of a claimed invention or discovery in the Application.
information	ave reviewed and understood the cont which is material to patentability as of ation in the United States of America.	tents of the Application, including the claims, and I acknowledge the duty to disclose defined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of
I he imprisonmer	ereby acknowledge that any willful fa nt of not more than five (5) years, or be	lse statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or oth for filings of this Application in the United States of America.
Assignme	ent .	
		Ethicon Endo-Surgery, LLC #475 Street C Los Frailes Industrial Park Guaynabo, Puerto Rico 00969
	aI	Limited Liability Company of Delaware.
;	(he	ereinafter designated as the "Assignee"),
I he	ereby acknowledge that I have assigne eby conformed for recordation in the U	ed the above-identified invention by previous assignment (attached hereto) to Assignee JS Patent Office and I confirm I have and do assign and transfer:
or		
	good and valuable consideration, the transferred to Assignee:	ne sufficiency of which is acknowledged, I hereby assign and transfer and/or have
the right to on States, Europe Such inventicontinuation Supplementa and enjoyme	claim priority to the Application, all in opean Patent Office and of all other consor discoveries and all rights in its thereof, and to all Letters Patent the ary protection certificates, reexamination	r the Application, including all priority rights for other countries arising therefrom and inventions or discoveries therein disclosed, and any and all Letters Patent of the United ountries, which may be granted for such inventions or discoveries, or any of them, all a such Application including any and all provisionals, substitutions, divisions, and nat 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

1 4 6 0 1 0 1 2

Attorney Docket No.: <u>END7852USNP/150531</u> US Application No.: <u>15/019,227</u>

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.

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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.

Lauren S. Weaner

LEGAL NAME OF INVENTOR

February 22,2016

Attorney Docket No.: END7852USNP/150531

	· ·	US Application No.: 15/019,227
	COMBINED	DECLARATION AND ASSIGNMENT
Title of Invention:	ARTICULATABLE SUR ARRANGEMENTS	GICAL INSTRUMENTS WITH SINGLE ARTICULATION LINK
This declaration and assi	ignment 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>15/019,227</u> filed on <u>February 9, 2016</u> .
Declaration		
As the below na	amed inventor, I hereby dec	lare that:
The above-ident	tified application ("Applica	tion") was made or authorized by me.
I believe that I a	am the original inventor or a	an original inventor of a claimed invention or discovery in the Application.
	aterial 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
		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	a Lii	Ethicon Endo-Surgery, LLC #475 Street C Los Frailes Industrial Park Guaynabo, Puerto Rico 00969 mited Liability Company of Delaware.
		einafter designated as the "Assignee"),
	wledge that I have assigned	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 vassigned and transferred t		sufficiency of which is acknowledged, I hereby assign and transfer and/or have
the right to claim priority States, European Patent such inventions or disco continuations thereof, an supplementary protection and enjoyment to the full	y to the Application, all inv Office and of all other cou- coveries and all rights in s and to all Letters Patent that a certificates, reexamination	the Application, including all priority rights for other countries arising therefrom and rentions 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

Attorney Docket No.; END7852USNP/150531 US Application No.: 15/019,227

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. Vendely
LEGAL NAME OF INVENTOR

Signature Date