PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6058604

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
FREDERICK E. SHELTON IV	07/09/2019
CHAD E. ECKERT	07/11/2019
JASON L. HARRIS	07/25/2019
DANIEL J. MUMAW	07/12/2019
KEVIN M. FIEBIG	07/16/2019

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16454780

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: (412) 355-8276

Email: piuspatents@klgates.com

CARA M. PINTO **Correspondent Name:** 210 SIXTH AVENUE Address Line 1: Address Line 2: **K&L GATES LLP**

Address Line 4: PITTSBURGH, PENNSYLVANIA 15222-2613

ATTORNEY DOCKET NUMBER:	END9108USNP3/190148-3
NAME OF SUBMITTER:	CARA M. PINTO
SIGNATURE:	/Cara M. Pinto/
DATE SIGNED:	04/13/2020
	This document serves as an Oath/Declaration (37 CFR 1.63).

PAIENI

Total Attachments: 10 source=signed_combined_declarations-assignments#page1.tif source=signed_combined_declarations-assignments#page2.tif source=signed_combined_declarations-assignments#page3.tif source=signed_combined_declarations-assignments#page4.tif source=signed_combined_declarations-assignments#page5.tif source=signed_combined_declarations-assignments#page6.tif source=signed_combined_declarations-assignments#page7.tif source=signed_combined_declarations-assignments#page8.tif source=signed_combined_declarations-assignments#page9.tif source=signed_combined_declarations-assignments#page9.tif

Attorney Docket No.: END9108USNP3/190148-3 US Application No.: 16/454,780

	COMBINED	DECLARATION AND ASSIGNMENT
Title of Invention: RO		ASSEMBLY COUPLING SAFETY MECHANISMS
•		
This declaration and assignment	nt is directed to:	
		The attached or filed herewith application of (list of named inventors),
	or	
		The United States application or PCT international application number 16/454,780 filed on June 27, 2019.
Declaration		
As the below named i	nventor, I hereby decl	lare that:
The above-identified	application ("Applicat	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.
	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		
		Ethicon LLC #475 Street C, Suite 401 Los Frailes Industrial Park Guaynabo, Puerto Rico 00969
	a Lit	mited Liability Company of <u>Delaware</u> .
	(her	einafter designated as the "Assignee"),
		the above-identified invention by previous assignment (attached hereto) to Assignee 8 Patent Office and I confirm I have and do assign and transfer:
ór		
For good and valuat assigned and transferred to Ass		sufficiency of which is acknowledged, I hereby assign and transfer and/or have
the right to claim priority to the States, European Patent Office such inventions or discoverion continuations thereof, and to supplementary protection certi	ne Application, all invite and of all other course and all rights in a li Letters Patent that ficates, reexamination of the term or terms f	the Application, including all priority rights for other countries arising therefrom and ventions or discoveries therein disclosed, and any and all Letters Patent of the United antries, which may be granted for such inventions or discoveries, or any of them, all such Application including any and all provisionals, substitutions, divisions, and it may be granted for said inventions and discoveries, and in and to all extensions, is, 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.: 16/454,780

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

Signature

Signature

Date

Page 2 of 2

		U5 Application No.: 16/454,/80
	COMBINED	DECLARATION AND ASSIGNMENT
Title of Invention:	ROBOTIC SURGICAL	ASSEMBLY COUPLING SAFETY MECHANISMS
This declaration and assign	ment is directed to:	
		The attached or filed herewith application of (list of named inventors),
	or	
		The United States application or PCT international application number 16/454,780 filed on June 27, 2019.
Declaration		
As the below nam	ed inventor, I hereby decl	are that:
The above-identif	fied application ("Applicat	ion") was made or authorized by me.
		n original inventor of a claimed invention or discovery in the Application.
	rial to patentability as def	its 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 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	sinafter designated as the "Assignee"),
	edge that I have assigned	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 va assigned and transferred to		sufficiency of which is acknowledged, I hereby assign and transfer and/or have
the right to claim priority to States, European Patent C such inventions or discover continuations thereof, and supplementary protection of and enjoyment to the full of	to the Application, all inv Office and of all other couveries and all rights in s to all Letters Patent that certificates, reexamination and of the term or terms for	the Application, including all priority rights for other countries arising therefrom and centions 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 it may be granted for said inventions and discoveries, and in and to all extensions, is, 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 cent and sale not been made.

Page 1 of 2

US Application No.: 16/454,780

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 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.

Chad E. Eckert LEGAL NAME OF INVENTOR		
	7-11-19	
Signature	Date	***************************************

Page 2 of 2

Attorney Docket No.: END9108USNP3/190148-3 US Application No.: 16/454,780

	COMRINED	DECLARATION AND ASSIGNMENT
Title of Invention: RC	DBOTIC SURGICAL	ASSEMBLY COUPLING SAFETY MECHANISMS
This declaration and assignment	ent is directed to:	
		The attached or filed herewith application of (list of named inventors),
	or	
		The United States application or PCT international application number 16/454,780 filed on June 27, 2019.
Declaration		
As the below named	inventor, I hereby decl	are that:
The above-identified	application ("Applicat	ion") was made or authorized by me.
I believe that I am th	e original inventor or a	n original inventor of a claimed invention or discovery in the Application.
	to patentability as del	ats 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 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	nited Liability Company of Delaware.
	(here	cinaffer 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 valua assigned and transferred to As		sufficiency of which is acknowledged, I hereby assign and transfer and/or have
the right to claim priority to t States, European Patent Offi such inventions or discoveri continuations thereof, and to supplementary protection cert	he Application, all invoce and of all other coules and all rights in sall Letters Patent that ificates, reexamination of the term or terms for	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 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, is, 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

PATENT

US Application No.: 16/454,780

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 Assignce may deem necessary or expedient.

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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) coverant 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.

Jason L. Harris	
LEGAL NAME OF INVENTOR	
Jam J-Mrc	-185/2019
Signature	Date

Page 2 of 2

		US Application No.: <u>16/454.780</u>
	COMBINED	DECLARATION AND ASSIGNMENT
Title of Invention:	ROBOTIC SURGICAL	L ASSEMBLY COUPLING SAFETY MECHANISMS
This declaration and assi	gnment is directed to:	
		The attached or filed herewith application of (list of named inventors),
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Declaration		
As the below na	med inventor, I hereby dec	lare that:
The above-iden	tified application ("Applica	ition") was made or authorized by me.
I believe that I s	um the original inventor or a	an original inventor of a claimed invention or discovery in the Application.
I have reviewed information which is matthis Application in the U	terial to patentability as de	ents of the Application, including the claims, and I acknowledge the duty to disclose stined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of
I hereby acknow imprisonment of not mor	vledge that any willful fals e than five (5) years, or bot	se 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
	aLi	mited Liability Company of Delaware.
	(her	reinafter designated as the "Assignee"),
I hereby acknow which is hereby conform	vledge that I have assigned ed for recordation in the US	I the above-identified invention by previous assignment (attached hereto) to Assignee S Patent Office and I confirm I have and do assign and transfer:
or		
For good and assigned and transferred		sufficiency of which is acknowledged, I hereby assign and transfer and/or have
the right to claim priority States, European Patent such inventions or disc continuations thereof, ar supplementary protection and enjoyment to the ful	y to the Application, all im Office and of all other cor overies and all rights in d to all Letters Patent that certificates, reexamination I end of the term or terms I	the Application, including all priority rights for other countries arising therefrom and ventions or discoveries therein disclosed, and any and all Letters Patent of the United untries, which may be granted for such inventions or discoveries, or any of them, all such Application including any and all provisionals, substitutions, divisions, and at may be granted for said inventions and discoveries, and in and to all extensions, and, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own use for which such Letters Patent may be granted, as fully and entirely as the same would nent and sale not been made.
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Page 1 of 2

PATENT

US Application No.: 16/454,780

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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.

Daniel J. Mumaw

LEGAL NAME OF INVENTOR

Signature

Date

Page 2 of 2

PATENT

		US Application No.: 16/454,780
	COMBINED	DECLARATION AND ASSIGNMENT
Title of Invention:	ROBOTIC SURGICAL	ASSEMBLY COUPLING SAFETY MECHANISMS
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This declaration and assig	gnment is directed to:	
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As the below na	med inventor, I hereby decl	are that:
The above-ident	ified application ("Applicat	ion") was made or authorized by me.
I believe that I a	m the original inventor or a	n original inventor of a claimed invention or discovery in the Application.
I have reviewed information which is mat this Application in the U	erial to patentability as del	nts of the Application, including the claims, and I acknowledge the duty to disclose fined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of
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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 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 discr continuations thereof, an supplementary protection and enjoyment to the full	to the Application, all involved to the Application, all involveries and of all other couperies and all rights in some to all Letters Patent that certificates, reexamination and of the term or terms for	he 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, 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.

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US Application No.: 16/454,780

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Kevin M. Fiebig LEGAL NAME OF INVENTOR		
Signature	<u> 37/16/14</u> Date	

Page 2 of 2

PATENT

RECORDED: 04/13/2020 REEL: 052381 FRAME: 0111