506047300 05/06/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6094014

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
EITAN T. WIENER	01/10/2020
FOSTER B. STULEN	01/09/2020
MICHAEL J. STOKES	01/04/2020
KAREN K. ISAACS	01/17/2020
WILLIAM J. KRAIMER	04/23/2020

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:	16582236

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 CENTER**

Address Line 4: PITTSBURGH, PENNSYLVANIA 15222-2613

ATTORNEY DOCKET NUMBER:	END6129USDIV2/070127DIV2
NAME OF SUBMITTER:	CARA M. PINTO
SIGNATURE:	/Cara M. Pinto/
DATE SIGNED:	05/06/2020
	This document serves as an Oath/Declaration (37 CFR 1.63).

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REEL: 052586 FRAME: 0257

Total Attachments: 10 source=Ethicon_Inventors_signed_declarations#page1.tif source=Ethicon_Inventors_signed_declarations#page2.tif source=Ethicon_Inventors_signed_declarations#page3.tif source=Ethicon_Inventors_signed_declarations#page4.tif source=Ethicon_Inventors_signed_declarations#page5.tif source=Ethicon_Inventors_signed_declarations#page6.tif source=Ethicon_Inventors_signed_declarations#page7.tif source=Ethicon_Inventors_signed_declarations#page8.tif source=WKraimer_signed_declarations#page1.tif source=WKraimer_signed_declarations#page2.tif

	US Application No.: 10/382,230
COMBINET	DECLARATION AND ASSIGNMENT
Title of Invention: <u>ULTRASONIC SURGIO</u>	CAL INSTRUMENTS
This declaration and assignment is directed to:	
	The attached or filed herewith application of (list of named inventors),
O.Y	
	The United States application or PCT international application number 16/582,236 filed on September 25, 2019.
Declaration	
As the below named inventor, I hereby de	clare that:
The above-identified application ("Applic	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.
I have reviewed and understood the cont information which is material to patentability as of this Application in the United States of America.	ents of the Application, including the claims, and I acknowledge the duty to disclose lefined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of
I hereby acknowledge that any willful fai imprisonment of not more than five (5) years, or be	ise 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.
Assignment	Ethicon LLC #475 Street C, Suite 401 Los Frailes Industrial Park Guaynabo, Puerto Rico 00969
a I	imited Liability Company of Delaware.
(h	ereinafter designated as the "Assignee"),
I hereby acknowledge that I have assigne which is hereby conformed for recordation in the I	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	
For good and valuable consideration, the assigned and transferred to Assignee:	he sufficiency of which is acknowledged, I hereby assign and transfer and/or have
the right to claim priority to the Application, all it States. European Patent Office and of all other continuations or discoveries and all rights in continuations thereof, and to all Letters Patent the supplementary protection certificates, reexaminations.	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 countries, 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 that 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 uses for which such Letters Patent may be granted, as fully and entirely as the same would intent and sale not been made.
304132081 vi	Page 1 of 2

US Application No.: 16/582,236

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. Stokes

LEGAL NAME OF INVENTOR

Signature

Date

Page 2 of 2

01/04/2020

		US Application No.: <u>16/582,236</u>
	COMBINED	DECLARATION AND ASSIGNMENT
Title of Invention: <u>ULTRA</u>	SONIC SURGIC	AL INSTRUMENTS
This declaration and assignment i	directed to:	
		The attached or filed herewith application of (list of named inventors),
	or	
	Ø	The United States application or PCT international application number 16/582,236 filed on September 25, 2019.
Declaration		
As the below named inve	entor, I hereby dec	lare that:
The above-identified app	lication ("Applica	tion") was made or authorized by me.
I believe that I am the or	ginal inventor or a	in original inventor of a claimed invention or discovery in the Application.
I have reviewed and und	lerstood the conte 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
I hereby acknowledge th imprisonment of not more than fiv	at any willful fals /e (5) years, or bot	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 Lis	nited Liability Company of Delaware.
	(her	einaster designated as the "Assignee"),
I hereby acknowledge the	at I have assigned ordation 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 assigned and transferred to Assign	consideration, the	sufficiency of which is acknowledged, I hereby assign and transfer and/or have
he right to claim priority to the / States, European Patent Office a such inventions or discoveries a continuations thereof, and to all supplementary protection certifica	application, all invend of all other count of all rights in a Letters Patent that the term or terms for the terms for terms for the terms fo	he Application, including all priority rights for other countries arising therefrom and tentions 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 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

304132078 V1

US Application No.: 16/582,236

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 tenn 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 Parent 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.

Foster B. Stulen LEGAL NAME OF INV	ENTOR	
Footer B. Signature	Stal	1/9/2020

		US Application No.: <u>16/382,236</u>
COM	BINED	DECLARATION AND ASSIGNMENT
l'itle of Invention: <u>ULTRASONIC S</u>	URGIC	AL INSTRUMENTS
This declaration and assignment is directed	to:	
		The attached or filed herewith application of (list of named inventors),
	or	
		The United States application or PCT international application number 16/582,236 filed on September 25, 2019.
Declaration		
As the below named inventor, I he	reby dec	dare that:
		ution") was made or authorized by me.
		an original inventor of a claimed invention or discovery in the Application.
I have reviewed and understood	the conte lity as de	ents of the Application, including the claims, and I acknowledge the duty to disclose afined 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 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 Lí	imited Liability Company of Delaware,
	(he	reinafter designated as the "Assignee"),
		If the above-identified invention by previous assignment (attached hereto) to Assignee S Patent Office and I confirm I have and do assign and transfer:
g r		
For good and valuable consider assigned and transferred to Assignee:	ation, the	e 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 such inventions or discoveries and all recontinuations thereof, and to all Letters I supplementary protection certificates, reex	on, all in other co ights in 'atent the aminatio or terms	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 nuntries, 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, ns, 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.
304132055 v1		Page 1 of 2

US Application No.: 16/582,236

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.

Eitan T. Wiener

LEGAL NAME OF INVENTOR

| 1/10/2020 |
| Date | Date |

Page 2 of 2

		US Application No.: <u>16/582,236</u>
СОМ	BINED	DECLARATION AND ASSIGNMENT
Fitle of Invention: <u>ULTRASONIC</u>	SURGIC	AL INSTRUMENTS
This declaration and assignment is directed	d to:	
		The attached or filed herewith application of (list of named inventors),
	Ø).	
	\boxtimes	The United States application or PCT international application number 16/582,236 filed on September 25, 2019.
Declaration		
As the below named inventor, I h	iereby deε	clare that:
The above-identified application	("Applica	ation") was made or authorized by me.
I believe that I am the original in	ventor or	an original inventor of a claimed invention or discovery in the Application.
	ility 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
		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
	a Li	imited Liability Company of Delaware.
	(he	reinafter designated as the "Assignee"),
		If the above-identified invention by previous assignment (attached hereto) to Assignee S Patent Office and I confirm I have and do assign and transfer:
ır		
For good and valuable considerassigned and transferred to Assignee:	ration, the	e 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, rees	ion, all in I other co rights in Patent the xaminatio or terms	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 buntries, 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, ns, 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.
304132089 v1		Page 1 of 2

US Application No.: 16/582,236

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.

Karen K. Isaacs LEGAL NAME OF INVENTOR

Signature

Date / AMUSY 17, 2020

Page 2 of 2

Attorney Docket No.: <u>ENDs (29/NDV2/979)27[3]V</u> 2 US Application No.: 16/582,236 COMBINED DECLARATION AND ASSIGNMENT Title of Invention: <u>LLTRASONIC SURGICAL INSTRUMENTS</u> This declaration and assignment is directed to: ~ The attached or filed herewith application of that of named inventors) 122 100 The United States application or PCT international application number 16/582,236 filed on September 25, 2019. **Declaration** As the below runned inventor, I hereby declare that: The above-identified application ("Application") was made or authorized by me. I believe that I am the original inventor or an original inventor of a claimed invention or discovery in the Application. I have reviewed and understood the contents of the Application, including the claims, and I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of this Application in the United States of America, I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine of imprisonment of not more than five (5) years, or both for filings of this Application in the United States of America, Assignment Ethicon LLC \$475 Street C. Suite 401 Los Frailes Industrial Park Guavanabo, Puerto Rico 98969 a Limited Liability Company of Delaware. Thereign for decimated as the "Accimus";

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		1.0
D.	I hereby acknowledge that I have assigned the above-identified invention by previous assignment (attached hereto) to Assign hereby conformed for recordation in the US Patent Office and I confirm I have and do assign and transfer:	œ
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	그 그 그 그 그 그 그 그 그 그는 그는 그는 그를 가는 그 가장 그는 그들이 가는 살이 있어요? 그는 그는 그는 그를 가는 것이 살아 없는 것이다.	4
198,		
⊠ assigned	For good and valuable consideration, the sufficiency of which is acknowledged, I hereby assign and transfer and/or he and transferred to Assignee:	e e

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 for discoveries and in and to all extensions 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 and 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

304132001 vt

Attorney Docket No.: EINDOTZAODITATIONS BOLVZ

US Application No.: 16/582,236

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.

William J. Kraimer

LEGAL NAME OF INVENTOR

Signature

4/23/2020

Date

Page 2 of 2