506727933 06/22/2021

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1

EPAS ID: PAT6774749 Stylesheet Version v1.2

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JACOB S. GEE	06/12/2019
STEVEN P. SMOLIK	06/17/2019
STEPHEN J. BALEK	06/25/2019
WILLIAM D. DANNAHER	06/14/2019

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:	17215234

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 **K&L GATES CENTER** Address Line 2:

Address Line 4: PITTSBURGH, PENNSYLVANIA 15222-2613

ATTORNEY DOCKET NUMBER:	END7910USDIV2/160014DIV2
NAME OF SUBMITTER:	MICHELLE L. WEAVER
SIGNATURE:	/Michelle L. Weaver/
DATE SIGNED:	06/22/2021
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 8 source=Gee_Smolik_Balek_Dannaher_SIGNED#page1.tif source=Gee_Smolik_Balek_Dannaher_SIGNED#page2.tif source=Gee_Smolik_Balek_Dannaher_SIGNED#page3.tif source=Gee_Smolik_Balek_Dannaher_SIGNED#page4.tif source=Gee_Smolik_Balek_Dannaher_SIGNED#page5.tif source=Gee_Smolik_Balek_Dannaher_SIGNED#page6.tif source=Gee_Smolik_Balek_Dannaher_SIGNED#page7.tif source=Gee_Smolik_Balek_Dannaher_SIGNED#page8.tif

Attorney Docket No.: END7910USDIV1/160014DIV1
US Application No.: 16/170,788

COMBINED DECLADATION AND ASSIGNMENT

<u> </u>	CHAINSIASSA	DECTARATION WIND WOOLGAIMENT	
Title of Invention: <u>ULTE</u> <u>TRANSDUCER</u>	ASONIC SU	URGICAL INSTRUMENT WITH PIEZOELECTRIC CENTRAL LUMEN	
This declaration and assignment is dir	rected to:		
		The attached or filed herewith application of (list of named inventors),	
	or		
		The United States application or PCT international application number 16/170,788 filed on October 25, 2018.	
Declaration			
As the below named invento	r, I hereby decl	lare that:	
The above-identified applica	tion ("Applicat	tion") was made or authorized by me.	
I believe that I am the origin	al inventor or a	m original inventor of a claimed invention or discovery in the Application.	
	entability 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 fillings 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	mited Liability Company of <u>Delaware</u> .	
(bereinafter 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:	
or			
For good and valuable con assigned and transferred to Assignce:		sufficiency of which is acknowledged, I hereby assign and transfer and/or have	
the right to claim priority to the App States, European Patent Office and such inventions or discoveries and continuations thereof, and to all Let supplementary protection certificates	lication, all inv of all other cou all rights in a ters Patent that, reexamination 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 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, 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 tent and sale not been made.	
		Page 1 of 7	

302935834 v1

COPY FROM PARENT APPLICATION

Attorney Docket No.: END7910USDIV1/160014DIV1

US Application No.: 16/170,788

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 Assignce, may be necessary or desirable to secure the grant of Letters Patent to Assignce or its nominces, in the United States, by the European Patent Office and in all other countries where Assignce 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 Assignce and to vest and confirm in Assignce 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.

Jacob S. Gee

LEGAL NAME OF INVENTOR

Signy Rived) Du

6/12/2019

Page 2 of 2

Attorney Docket No.: END7910USDIV1/160014DIV1 US Application No.: 16/170,788

C	OMBINE	D DECLARATION AND ASSIGNMENT	
Title of Invention: <u>ULT</u>) <u>TRANSDUCER</u>	RASONIC S	SURGICAL INSTRUMENT WITH PIEZOELECTRIC CENTRAL LUMEN	
This declaration and assignment is di	rected to:		
		The attached or filed herewith application of (list of named inventors),	
	or		
		The United States application or PCT international application number 16/170,788 filed on October 25, 2018.	
Declaration			
As the below named invent	or, I hereby de	celare that:	
The above-identified applic	ation ("Appli	cation") was made or authorized by me.	
I believe that I am the origin	nal inventor o	an original inventor of a claimed invention or discovery in the Application.	
	entability as	tents 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	
		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.	
Assignment			
Ethicon LLC #475 Street C, Suite 401 Los Frailes Industrial Park Guaynabo, Puerto Rico 00969			
a Limited Liability Company of Delaware.			
, ·	(h	ereinafter designated as the "Assignee"),	
		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			
For good and valuable con 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 App States, European Patent Office and such inventions or discoveries and continuations thereof, and to all Le supplementary protection certificates	olication, all i of all other c all rights in tters Patent t s, reexaminati term or terms	r the Application, including all priority rights for other countries arising therefrom and aventions 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

302935849 v1

PATENT

US Application No.: 16/170,788

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.

Steven P. Smolik
LEGAL NAME OF INVENTOR

Signature S

June 17, 2019

Page 2 of 2

302935849 v1

PATENT

Attorney Docket No.: END7910USDIV1/160014DIV1
US Application No.: 16/170.788

	COMBINE	D DECLARATION AND ASSIGNMENT	
Title of Invention:	ULTRASONIC S	SURGICAL INSTRUMENT WITH PIEZOELECTRIC CENTRAL LUMEN	
TRANSDUCER	<i></i>		
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 16/170,788 filed on October 25, 2018.	
Declaration			
As the below named	inventor, I hereby de	clare that;	
The above-identified	application ("Applic	ration") was made or authorized by me.	
I believe that I am th	e original inventor or	an original inventor of a claimed invention or discovery in the Application.	
	I to patentability as o	tents 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	
		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	
	аI	imited Liability Company of <u>Delaware</u> .	
(hereinafter designated as the "Assignee"),			
		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			
For good and valua assigned and transferred to As		ne 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 discoveriontinuations thereof, and to supplementary protection cert	the Application, all ince and of all other contents and all rights in all Letters Patent the ifficates, reexamination of the term or terms	the Application, including all priority rights for other countries arising therefrom and aventions or discoveries therein disclosed, and any and all Letters Patent of the United puntries, which may be granted for such inventions or discoveries, or any of them, all such Application including any and all provisionals, substitutions, divisions, and let 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

302936038 v1

PATENT

US Application No.: 16/170,788

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 Assignce 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 Assignce and to vest and confirm in Assignce 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.

Stephen J. Balek

LEGAL NAME OF INVENTOR

6/25/2019 Date

Page 2 of 2

	المسارعة الخديدة والواويون والواوي	US Application No.: <u>16/170,788</u>	
	COMBINED DE	CLARATION AND ASSIGNMENT	
Title of Invention: TRANSDUCER	ULTRASONIC SURGI	CAL INSTRUMENT WITH PIEZOELECTRIC CENTRAL LUMEN	
This declaration and assignment	nent is directed to:		
	☐ Tbe	e attached or filed herewith application of (list of named inventors),	
	03,		
		United States application or PCT international application ober 16/170,788 filed on October 25, 2018.	
Declaration			
As the below name	d inventor, I hereby declare (nat:	
The above-identifie	d application ("Application") was made or authorized by me.	
I believe that I am t	he original inventor or an ori	ginal inventor of a claimed invention or discovery in the Application.	
	al to patentability as defined	f the Application, including the claims, and I acknowledge the duty to disclose 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			
	Gu	aynabo, Puerto Rico 00969	
	a Limited	Liability Company of <u>Delaware</u> .	
	(hereinaf	ter designated as the "Assignee"),	
		above-identified invention by previous assignment (attached hereto) to Assignee and Office and I confirm I have and do assign and transfer:	
or			
For good and value assigned and transferred to A		iciency of which is acknowledged, I hereby assign and transfer and/or have	
the right to claim priority to States, European Patent Of such inventions or discove continuations thereof, and t supplementary protection ce	the Application, all inventic fice and of all other countrie ries and all rights in such o all Letters Patent that ma rtificates, reexaminations, re d of the term or terms for w	pplication, including all priority rights for other countries arising therefrom and one or discoveries therein disclosed, and any and all Letters Patent of the United is, which may be granted for such inventions or discoveries, or any of them, all Application including any and all provisionals, substitutions, divisions, and y be granted for said inventions and discoveries, and in and to all extensions, newals, and reissues thereof, to be held and enjoyed by Assignee for its own use nich such Letters Patent may be granted, as fully and entirely as the same would not sale not been made.	
		Page 1 of 2	

US Application No.: 16/170,788

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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.

William D. Dannaher				
LEGAL NAME OF INVENTOR				
William Fanker	14	June	2019	
Signature	Date			

Page 2 of 2

302936042 v1

RECORDED: 06/22/2021

PATENT