PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6095612

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
FOSTER B. STULEN	01/07/2020
KEVIN L. HOUSER	01/13/2020
VINCENT P. BATTAGLIA JR.	05/01/2020
BRIAN D. BERTKE	01/23/2020

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:	16554894

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

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

Address Line 4: PITTSBURGH, PENNSYLVANIA 15222-2613

ATTORNEY DOCKET NUMBER:	END6131USDIV2/070129DIV2	
NAME OF SUBMITTER:	CARA M. PINTO	
SIGNATURE:	/Cara M. Pinto/	
DATE SIGNED:	05/07/2020	
	This document serves as an Oath/Declaration (37 CFR 1.63).	

PATENT REEL: 052598 FRAME: 0101

506048898

Total Attachments: 8

source=END6131USDIV2_DEC-ASSIGNMENTS_EXECUTED_INTERNAL#page1.tif source=END6131USDIV2_DEC-ASSIGNMENTS_EXECUTED_INTERNAL#page2.tif source=END6131USDIV2_DEC-ASSIGNMENTS_EXECUTED_INTERNAL#page3.tif source=END6131USDIV2_DEC-ASSIGNMENTS_EXECUTED_INTERNAL#page4.tif source=END6131USDIV2_DEC-ASSIGNMENTS_EXECUTED_INTERNAL#page5.tif source=END6131USDIV2_DEC-ASSIGNMENTS_EXECUTED_INTERNAL#page6.tif source=END6131USDIV2-signed-declaration-assignment-Battaglia-Jr#page1.tif source=END6131USDIV2-signed-declaration-assignment-Battaglia-Jr#page2.tif

Attorney Docket No.: END6131USDIV2/070129DIV2
US Application No.: 16/354.894

	Ob Application No.: 16/554,894
COMBINED I	DECLARATION AND ASSIGNMENT
Title of Invention: <u>ULTRASONIC END EFFI</u>	ECTORS WITH INCREASED ACTIVE LENGTH
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 16/554.894 filed on August 29, 2019.
Declaration	
As the below named inventor, I hereby declar	re that:
The above-identified application ("Application	on") was made or authorized by me.
	original inventor of a claimed invention or discovery in the Application.
I have reviewed and understood the content	s of the Application, including the claims, and I acknowledge the duty to disclose ned in Title 37, the United States Code of Federal Regulations, §1.56 for filings of
I hereby acknowledge that any willful false imprisonment of not more than five (5) years, or both	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 Limi	ted Liability Company of <u>Delaware</u> .
(hereii	nafter designated as the "Assignee"),
I hereby acknowledge that I have assigned the Which is hereby conformed for recordation in the US P	ne above-identified invention by previous assignment (attached hereto) to Assignee attent Office and I confirm I have and do assign and transfer:
or	
For good and valuable consideration, the sassigned and transferred to Assignee:	ufficiency of which is acknowledged, I hereby assign and transfer and/or have
States, European Patent Office and of all other count such inventions or discoveries and all rights in suc continuations thereof, and to all Letters Patent that n supplementary projection certificates, reexaminations.	Application, including all priority rights for other countries arising therefrom and ations or discoveries therein disclosed, and any and all Letters Patent of the United ries, which may be granted for such inventions or discoveries, or any of them, all ch Application including any and all provisionals, substitutions, divisions, and may be granted for said inventions and discoveries, and in and to all extensions, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own use which such Letters Patent may be granted, as fully and entirely as the same would tand sale not been made.
	Page 1 of 2

US Application No.: 16/554,894

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 nominees, 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.

Foster B. Stulen LEGAL NAME OF	INVEN	TOR	·
Signature	<u>B</u>	Stuler	

Date 47/2020

	US Application No.: <u>16/554.894</u>		
COMBINE	D DECLARATION AND ASSIGNMENT		
Fitle of Invention: <u>ULTRASONIC END E</u>	FFECTORS WITH INCREASED ACTIVE LENGTH		
This declaration and assignment is directed to:			
	The attached or filed herewith application of (list of named inventors)		
	The difference of Mode Asserting approximation of the Mode of the		
or			
	The United States application or PCT international application number 16/554,894 filed on August 29, 2019.		
Declaration			
As the below named inventor, I hereby de	relate that;		
The above-identified application ("Applie	cation") was made or authorized by me.		
I believe that I am the original inventor o	r an original inventor of a claimed invention or discovery in the Application.		
	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		
	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			
3.1	Limited Liability Company of <u>Delaware</u> .		
(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 consideration, to assigned and transferred to Assignee:	he sufficiency of which is acknowledged, I hereby assign and transfer and/or have		
he right to claim priority to the Application, all is states. European Patent Office and of all other couch inventions or discoveries and all rights in continuations thereof, and to all Letters Patent that the properties of the	r the Application, including all priority rights for other countries arising therefrom and nventions 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 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		

US Application No.: 16/554,894

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.

Kevin L. Houser
LEGAL NAME OF INVENTOR

Sionabura

1//3/2020 Date

		US Application No.: <u>16/554,894</u>
CON	4BINED	DECLARATION AND ASSIGNMENT
Title of Invention: <u>ULTRASONIC</u>	END EF	FECTORS WITH INCREASED ACTIVE LENGTH
This declaration and assignment is direct	ed to:	
		The attached or filed herewith application of (list of named inventors)
	or	
		The service of Occasion and the service of New York and the service of the servic
		The United States application or PCT international application number 16/554,894 filed on August 29, 2019.
Declaration		
As the below named inventor, I	hereby dec	clare that:
The above-identified application	ı ("Applica	tion") was made or authorized by me.
I believe that I am the original in	iventor or	an original inventor of a claimed invention or discovery in the Application.
	bility 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 fillings of
		se statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or th for filings of this Application in the United States of America.
Assignment		
		Ethicon LLC #475 Street C, Suite 401 Los Fraîles Industrial Park Guaynabo, Puerto Ríco 00969
	a Li	imited Liability Company of Delaware.
	(he	reinafter designated as the "Assignee"),
	ve assigned	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:
ər		
For good and valuable considents are signed 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 Application States, European Patent Office and of a such inventions or discoveries and all continuations thereof, and to all Letters supplementary protection certificates, research.	tion, all in Il other co rights in Patent that examination tor 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 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, 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 nent and sale not been made.
		Page 1 of 2

US Application No.: 16/554,894

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.

LEGAL NAME OF INVENTOR		
Signature	<i>1-23-2020</i> Date	

US Application No.: <u>16/554,894</u>		
COMBINED DECLARATION AND ASSIGNMENT		
Title of Invention: <u>ULTRASONIC END EFFECTORS WITH INCREASED ACTIVE LENGTH</u>		
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 16/554,894 filed on August 29, 2019.		
Declaration		
As the below named inventor, I hereby declare that:		
The above-identified application ("Application") was made or authorized by me.		
I believe that I am the original inventor or an original inventor of a claimed invention or discovery in the Application.		
I have reviewed and understood the contents of the Application, including the claims, and I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of this Application in the United States of America.		
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both for filings of this Application in the United States of America.		
Assignment		
Ethicon LLC #475 Street C, Suite 401 Los Frailes Industrial Park Guaynabo, Puerto Rico 00969		
a Limited Liability Company of <u>Delaware</u> .		
(hereinafter designated as the "Assignee"),		
I hereby acknowledge that I have assigned the above-identified invention by previous assignment (attached hereto) to Assignee which is hereby conformed for recordation in the US 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		

US Application No.: 16/554,894

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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.

Vincent P. Battaglia, Jr.	
LEGAL NAME OF INVENTOR	
Vencent P. Battaglia, J.	May 1, 2020
Signature	Date