506747152 07/01/2021

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6793968

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
FREDERICK E. SHELTON IV	01/09/2020
JASON L. HARRIS	01/13/2020
DANIEL J. MUMAW	01/10/2020
KEVIN M. FIEBIG	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:	17348359

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: 4123558276

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:	END9228USCNT5/190580-1MC5
NAME OF SUBMITTER:	CARA M. PINTO
SIGNATURE:	/Cara M. Pinto/
DATE SIGNED:	07/01/2021
	This document serves as an Oath/Declaration (37 CFR 1.63).

PATENT REEL: 056738 FRAME: 0498

506747152

Total Attachments: 8 source=SHELTON_SIGNED#page1.tif

source=SHELTON_SIGNED#page2.tif

source=HARRIS_SIGNED#page1.tif

source=HARRIS_SIGNED#page2.tif

source=MUMAW_SIGNED#page1.tif

source=MUMAW_SIGNED#page2.tif

source=FIEBIG_SIGNED#page1.tif

source=FIEBIG_SIGNED#page2.tif

Attorney Docket No.: END9228USNP1/190580-1M

		US Application No.: 16/729,807
CO	MBINED	DECLARATION AND ASSIGNMENT
Title of Invention: METHOD (F USING IN	AAGING DEVICES IN SURGERY
This declaration and assignment is dir-	ected to:	
		The attached or filed herewith application of (list of named inventors)
	or	
		The United States application or PCT international application number 16/729,807 filed on December 30, 2019.
Declaration		
As the below named inventor	r, I hereby dec	clare that:
The above-identified applica	tion ("Applica	ation") was made or authorized by me.
I believe that I am the origin	al inventor or	an original inventor of a claimed invention or discovery in the Application.
I have reviewed and unders information which is material to pate this Application in the United States	ntability as d	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
I hereby acknowledge that a imprisonment of not more than five (ny willful fal 5) years, or bo	se 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 L	imited Liability Company of Delaware.
	(he	ereinafter designated as the "Assignee"),
I hereby acknowledge that I which is hereby conformed for record	have assigne lation in the U	nd the above-identified invention by previous assignment (attached hereto) to Assignee IS Patent Office and I confirm I have and do assign and transfer:
or		
For good and valuable con assigned and transferred to Assignee		ne 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	dication, all it of all other call rights in term Patent il term presentation terms or terms	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 such Application including any and all provisionals, substitutions, divisions, and hat may be granted for said inventions and discoveries, and in and to all extensions, 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

Attorney Docket No.: END9228USNP1/190580-1M

US Application No.: 16/729,807

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

LUCY

Signature

Date

1/9/2020

Attorney Docket No.: END9228USNP1/190580-1M

		O2 Application No.: 16//29,80/
	COMBINED	DECLARATION AND ASSIGNMENT
Title of Invention: MET	HOD OF USING IM	AGING DEVICES IN SURGERY
This declaration and assignmen	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 16/729,807 filed on December 30, 2019.
Declaration		
As the below named i	nventor, I hereby dec	lare that:
The above-identified	application ("Applica	tion") was made or authorized by me.
I believe that I am the	original inventor or a	in 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 Li	mited Liability Company of Delaware.
	(her	einafter designated as the "Assignee"),
		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 valual assigned and transferred to Ass		e 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 discoverie continuations thereof, and to supplementary protection certifications.	ne Application, all in se and of all other co es and all rights in all Letters Patent the ificates, reexamination of the term 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 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 2

Attorney Docket No.: END9228USNP1/190580-1M

US Application No.: 16/729,807

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.

Jason L. Harris	
LEGAL NAME OF INVENTOR	
Jan & Mri	1/13/2020
Signature	Date

Attorney Docket No.: END9228USNP1/190580-1M

		US Application No.: 16/729,807
CC	MBINED	DECLARATION AND ASSIGNMENT
Title of Invention: METHOD O	F USING IN	MAGING DEVICES IN SURGERY
This declaration and assignment is dire	cted to:	
* ************************************		The attached or filed herewith application of (list of named inventors),
	or	
		The United States application or PCT international application number 16/729,807 filed on December 30, 2019.
Declaration		
As the below named inventor	. I hereby dec	clare that:
The above-identified applicat	ion ("Applic	ation") was made or authorized by me.
I believe that I am the origina	l inventor or	an original inventor of a claimed invention or discovery in the Application.
	itability as d	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 IS 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
	aL	imited Liability Company of Delaware.
	(he	reinafter designated as the "Assignee"),
		d the above-identified invention by previous assignment (attached hereto) to Assignee S Patent Office and I confirm I have and do assign and transfer:
or		
For good and valuable consussigned and transferred to Assignee:	ideration, th	sufficiency of which is acknowledged, I hereby assign and transfer and/or have
the right to claim priority to the Appl States, European Patent Office and o such inventions or discoveries and continuations thereof, and to all Lett supplementary protection certificates,	ication, all in f all other co all rights in ers Patent the reexamination or terms	the Application, including all priority rights for other countries arising therefrom and eventions 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 such Application including any and all provisionals, substitutions, divisions, and sat 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

Attorney Docket No.: END9228USNP1/190580-1M

US Application No.: 16/729,807

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.

Daniel J. Mumaw

LEGAL NAME OF INVENTOR

_____//0/=0=0

Attorney Docket No.: END9228USNP1/190580-1M

		US Application No.: <u>16/729,807</u>
COM	BINED	DECLARATION AND ASSIGNMENT
Γitle of Invention: <u>METHOD OF U</u>	ISING IN	AAGING DEVICES IN SURGERY
This declaration and assignment is directed	d to:	
		The attached or filed herewith application of (list of named inventors),
	10	
	Ø	The United States application or PCT international application number 16/729,807 filed on December 30, 2019.
Declaration		
As the below named inventor, I h	ereby dec	dare that:
The above-identified application	("Applica	ition™) 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 L	mited Liability Company of Delaware.
	(he	reinafter designated as the "Assignee"),
		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 valuable considerassigned and transferred to Assignee;	ration, th	e sufficiency of which is acknowledged, I hereby assign and transfer and/or have
the right to claim priority to the Applicat States, European Patent Office and of al such inventions or discoveries and all continuations thereof, and to all Letters supplementary protection certificates, rec	ion, all in I other co rights in Patent the kaminatio 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 ountries, 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, ans, 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

Attorney Docket No.: END9228USNP1/190580-1M

US Application No.: 16/729,807

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 M. Fiebig	
LEGAL NAME OF INVENTOR	
	01/23/2020
Signature	Date