12/17/2019 505825417

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT5872247

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
RAYMOND E. PARFETT	12/12/2019
SHANE R. ADAMS	12/02/2019
FREDERICK E. SHELTON IV	12/03/2019
JASON L. HARRIS	12/02/2019

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:	16170801

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

Address Line 4: PITTSBURGH, PENNSYLVANIA 15222-2613

ATTORNEY DOCKET NUMBER:	END8275USCNT1/170185MCON1	
NAME OF SUBMITTER:	CARA M. PINTO	
SIGNATURE:	/Cara M. Pinto/	
DATE SIGNED: 12/17/2019		
	This document serves as an Oath/Declaration (37 CFR 1.63).	

PATENT REEL: 051307 FRAME: 0704

505825417

Total Attachments: 8

source=170185MCON1 - Executed Combined Declaration and Assignment Documents#page1.tif source=170185MCON1 - Executed Combined Declaration and Assignment Documents#page3.tif source=170185MCON1 - Executed Combined Declaration and Assignment Documents#page4.tif source=170185MCON1 - Executed Combined Declaration and Assignment Documents#page5.tif source=170185MCON1 - Executed Combined Declaration and Assignment Documents#page5.tif source=170185MCON1 - Executed Combined Declaration and Assignment Documents#page6.tif source=170185MCON1 - Executed Combined Declaration and Assignment Documents#page7.tif source=170185MCON1 - Executed Combined Declaration and Assignment Documents#page8.tif

PATENT REEL: 051307 FRAME: 0705

Attorney Docket No.: END8275USCNT1/170185MCON1
US Application No.: 16/170,801

	COMBINEI	DECLARATION AND ASSIGNMENT
Title of Invention:		SED LOOP CONTROL OF MOTOR VELOCITY OF A SURGICAL
	STAPLING AND CUT	<u>UNGINSPRUMENT</u>
This declaration and assi	gnment is directed to:	
		The attached or filed herewith application of (list of named inventors),
		The United States application or PCT international application number 16/170,801 filed on October 25, 2018.
Declaration		
As the below no	imed inventor, I hereby de	clare that:
The above-iden	tified application ("Applic	ation") was made or authorized by me.
I believe that I a	nm the original inventor or	an original inventor of a claimed invention or discovery in the Application.
	iterial to patentability 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 $18~U.S.C.~\S~1001$ 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
	# L	imited Liability Company of <u>Delaware</u> .
	(he	ereinafter designated as the "Assignee"),
☐ I hereby acknowhich is hereby conform	wledge that I have assigne ted for recordation in the U	d 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 assigned and transferred	valuable consideration, the Assignee:	ne sufficiency of which is acknowledged, I hereby assign and transfer and/or have
the right to claim priorit States, European Patent such inventions or disc continuations thereof, a supplementary protectio and enjoyment to the fu	y to the Application, all in t Office and of all other coveries and all rights in not to all Letters Patent the notificates, reexamination of the term 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 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

US Application No.:16/170,801

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.

Raymond E. Parfett

LEGAL NAME OF INVENTOR

Signature

___17/12/ Yora

Page 2 of 2

US Application No.: 16/170,801

COMBINED DECLARATION AND ASSIGNMENT

		
	METHODS FOR CLOS STAPLING AND CUTT	ED LOOP CONTROL OF MOTOR VELOCITY OF A SURGICAL ING INSTRUMENT
This declaration and assign	ment is directed to:	
		The attached or filed herewith application of (list of named inventors),
	or	
	\boxtimes	The United States application or PCT international application number 16/170,801 filed on October 25, 2018.
Declaration		
As the below name	ed inventor, I hereby decla	are that:
The above-identifi	ed application ("Applicat	on") was made or authorized by me.
I believe that I am	the original inventor or a	original inventor of a claimed invention or discovery in the Application.
I have reviewed a information which is mater this Application in the Uni	rial to patentability as def	ts of the Application, including the claims, and I acknowledge the duty to disclose ined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of
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 Lin	nited Liability Company of <u>Delaware</u> .
	(here	cinafter designated as the "Assignee"),
I hereby acknowle which is hereby conformed	edge that I have assigned for recordation 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 va assigned and transferred to		sufficiency of which is acknowledged, I hereby assign and transfer and/or have
the right to claim priority to States, European Patent C such inventions or discov continuations thereof, and supplementary protection of and enjoyment to the full of	to the Application, all involution and of all other couveries and all rights in a to all Letters Patent that certificates, reexamination and of the term or terms for	the Application, including all priority rights for other countries arising therefrom and entions or discoveries therein disclosed, and any and all Letters Patent of the United entries, which may be granted for such inventions or discoveries, or any of them, all such Application including any and all provisionals, substitutions, divisions, and may be granted for said inventions and discoveries, and in and to all extensions, s, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own use or which such Letters Patent may be granted, as fully and entirely as the same would ent and sale not been made.
		Page 1 of 2

PATENT REEL: 051307 FRAME: 0708

US Application No.: 16/170,801

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.

Shane R. Adams

LEGAL NAME OF INVENTOR

Signature

12/02/2019

Page 2 of 2

Attorney Docket No.: END8275USCNT1/170185MCON1
US Application No.: 16/170,801

	COMBINED	DECLARATION AND ASSIGNMENT
Title of Invention:	METHODS FOR CLOS STAPLING AND CUT	SED LOOP CONTROL OF MOTOR VELOCITY OF A SURGICAL TING INSTRUMENT
This declaration and assign	gnment is directed to:	
		The attached or filed herewith application of (list of named inventors),
	or	
	\boxtimes	The United States application or PCT international application number 16/170,801 filed on October 25, 2018.
Declaration		
As the below na	med inventor, I hereby dec	lare that:
The above-ident	tified application ("Applica	tion") was made or authorized by me.
I believe that I a	ım the original inventor or a	in original inventor of a claimed invention or discovery in the Application.
	terial 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 <u>Delaware</u> .
	(her	einafter designated as the "Assignee"),
I hereby acknownich is hereby conform	wledge that I have assigned ed for recordation 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 assigned and transferred		sufficiency of which is acknowledged, I hereby assign and transfer and/or have
the right to claim priority States, European Patent such inventions or disc continuations thereof, ar supplementary protection and enjoyment to the ful	y to the Application, all inv Office and of all other con- coveries and all rights in and to all Letters Patent that an certificates, reexamination I end of the term or terms in	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

PATENT REEL: 051307 FRAME: 0710

US Application No.: 16/170,801

I shall execute all papers necessary in connection with the Application in the United States Patent and Trademark Office, European Patent Office, any other patent offices, and under the Patent Cooperation Treaty, and any continuing, divisional, or reissue applications thereof, any reexamination of any of such applications, and any patent term extensions or supplementary protection certificates of any such applications and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

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I shall execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

I shall do all other acts which, in the opinion of Assignee, may be necessary or desirable to secure the grant of Letters Patent to Assignee or its nominees, in the United States, by the European Patent Office and in all other countries where Assignee may desire to have such inventions or discoveries, or any of them, patented, with specifications and claims in such form as shall be approved by Assignee and to vest and confirm in Assignee or its nominees the full and complete legal and equitable title to all such Letters Patent.

I hereby (i) authorize and request the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from the Application or any divisional, continuation, or reissue applications thereof, and any reexamination of any of such applications, to Assignee, and (ii) covenant that I have full right to convey the interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

I hereby grant the attorney of record the power to insert on this assignment any further identification which may be necessary or desirable in order to obtain legal recordation of this document.

Frederick E. Shelton, IV

LEGAL NAME OF INVENTOR Tacl Ethers

12/3/19 Date

Attorney Docket No.: END8275USCNT1/170185MCON1
US Application No.: 16/170,801

	COMBINE	D DECLARATION AND ASSIGNMENT
Title of Invention:	**************************************	OSED LOOP CONTROL OF MOTOR VELOCITY OF A SURGICAL ITING INSTRUMENT
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As the below nar	ned inventor, I hereby de	eclare that:
The above-identi	fied application ("Applic	cation") was made or authorized by me.
I believe that I ar	n the original inventor or	r an original inventor of a claimed invention or discovery in the Application.
I have reviewed information which is mat this Application in the Un	erial to patentability as o	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	a I	Ethicon LLC #475 Street C, Suite 401 Los Frailes Industrial Park Guaynabo, Puerto Rico 00969 Limited Liability Company of Delaware.
		ereinafter designated as the "Assignee"),
	ledge that I have assigned	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 v assigned and transferred t		he sufficiency of which is acknowledged, I hereby assign and transfer and/or have
the right to claim priority States, European Patent such inventions or disco continuations thereof, an supplementary protection and enjoyment to the full	to the Application, all is Office and of all other coveries and all rights in d to all Letters Patent the certificates, reexamination of the term or terms	or 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 in 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 ament and sale not been made.

Page 1 of 2

US Application No.: 16/170,801

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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.

Jason L. Harris	
LEGAL NAME OF INVENTOR	
Jan & Mri	12/2/2019
Signature	Date

Page 2 of 2