505160531 10/26/2018 PATENT ASSIGNMENT COVER SHEET

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		NEW ASSIGNMENT	NEW ASSIGNMENT		
SUBMISSION TYPE: NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT		
CONVEYING PARTY DA		I			
		Name	Execution Date		
JASON L. HARRIS			01/11/2018		
FREDERICK E. SHELTO	N IV		01/09/2018		
SARAH A. WORTHINGT	ON		01/16/2018		
RECEIVING PARTY DAT	1				
Name:	ETHICO				
Street Address:	#475 ST	REET C, SUITE 401			
Internal Address:	LOS FR	AILES INDUSTRIAL PARK			
City:	GUAYN	ABO			
State/Country:	PUERTO RICO				
Postal Code:	00969				
Application Number:1585		5850461			
Application Number:1585		5850461			
CORRESPONDENCE D	ΑΤΑ				
CORRESPONDENCE D/ Fax Number:		412)355-6501			
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Fax Number: <i>Correspondence will be</i>	ہ) sent to provided;	the e-mail address first; if that is if that is unsuccessful, it will be			
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Fax Number: <i>Correspondence will be using a fax number, if p</i> Phone:) e sent to provided; (^ p	<i>the e-mail address first; if that is</i> <i>if that is unsuccessful, it will be</i> 412) 355-8276			
Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1:	(e sent to provided; (p 0 2	the e-mail address first; if that is if that is unsuccessful, it will be 412) 355-8276 biuspatents@klgates.com CARA M. PINTO 210 SIXTH AVENUE			
Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 2:	(e sent to provided; ((2 2 k	the e-mail address first; if that is if that is unsuccessful, it will be 412) 355-8276 biuspatents@klgates.com CARA M. PINTO 210 SIXTH AVENUE K&L GATES CENTER	e sent via US Mail.		
Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1:	(e sent to provided; ((2 2 k	the e-mail address first; if that is if that is unsuccessful, it will be 412) 355-8276 biuspatents@klgates.com CARA M. PINTO 210 SIXTH AVENUE	e sent via US Mail.		
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Fax Number: <i>Correspondence will be</i> <i>using a fax number, if p</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 4: ATTORNEY DOCKET NU NAME OF SUBMITTER: SIGNATURE:	(e sent to provided; (p 0 2 k F	the e-mail address first; if that is if that is unsuccessful, it will be 412) 355-8276 biuspatents@klgates.com CARA M. PINTO 210 SIXTH AVENUE (&L GATES CENTER PITTSBURGH, PENNSYLVANIA 1 END8300USNP/170208 CARA M. PINTO /Cara M. Pinto/ 10/26/2018	e sent via US Mail.		

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		Attorney Docket No.: END8300USNP/170208
		US Application No.: 15/850.461
	COMBINEI	DECLARATION AND ASSIGNMENT
Title of Invention: SURGI	AL INSTRUM	ENT COMPRISING SPEED CONTROL
This declaration and assignment i	s directed to:	
		The attached or filed herewith application of (list of named inventors),
	or	
×		The United States application or PCT international application number 15/850.461 filed on December 21, 2017 .
Declaration		
As the below named invo	mtor, I hereby de	clare that:
The above-identified app	lication ("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 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 Delaware.

(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:

97

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.

Attorney Docket No.: END8300USNP/170208 US Application No.: 15/850,461

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 Assignce, 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

hur f Mrin

Signatare

1/1/18	
Date	

Page 2 of 2

Attorney Docket No.: END8300USNP/170208 US Application No.: 15/850.461

COMBINED DECLARATION AND ASSIGNMENT

Title of Invention: SURGICAL INSTRUMENT COMPRISING SPEED CONTROL

This declaration and assignment 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 15/850,461 filed on December 21, 2017.

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 Delaware.

(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.

PATENT REEL: 047322 FRAME: 0530

Attorney Docket No.: END8300USNP/170208 US Application No.: 15/850,461

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 Potent 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 Assignce, 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

el Star LEGAL NAME OF INVENTOR

Signature

*	[a]18
Date	

Page 2 of 2

		Attorney Docket No.: <u>END8300USNP/170208</u> US Application No.: <u>15/850.461</u>
CO	MBINED	DECLARATION AND ASSIGNMENT
Title of Invention: SURGICAL I	NSTRUMI	ENT COMPRISING SPEED CONTROL
This declaration and assignment is direct	ted to:	
		The attached or filed herewith application of (list of named inventors),
	or	
	\boxtimes	The United States application or PCT international application number 15/850.461 filed on December 21. 2017.
Declaration		
As the below named inventor,	l hereby dec	clare that:
The above-identified application	m ("Applici	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.
	ability 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. § 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 Frailes Industrial Park Guaynabo, Puerto Rico 00969
	a L	imited Liability Company of Delaware.
	(he	reinafter designated as the "Assignee"),
		d the above-identified invention by previous assignment (attached hereto) to Assignce IS Patent Office and I confirm I have and do assign and transfer:
or		
For good and valuable consi assigned and transferred to Assignee:	deration, th	e sufficiency of which is acknowledged, I hereby assign and transfer and/or have
the right to claim priority to the Applia States, European Patent Office and of such inventions or discoveries and a continuations thereof, and to all Lette supplementary protection certificates, r	ation, all ir all other co Il rights in rs Patent th eexaminatic m or terms	the Application, including all priority rights for other countries arising therefrom and iventions 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 at 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.: <u>END8300USNP/170208</u> US Application No.: <u>15/850.461</u>

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.

Sarah A. Worthington LEGAL NAME OF INVENTOR

Startet h. W.J.J.J.

<u>1-16-</u>2018

Date

Page 2 of 2

PATENT REEL: 047322 FRAME: 0533