504737693 01/19/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4784419

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
FREDERICK E. SHELTON IV	09/20/2017
CORTNEY E. HENDERSON	09/27/2017
JASON L. HARRIS	09/19/2017
DAVID C. YATES	09/20/2017
JEFFREY D. MESSERLY	09/20/2017
CARA SHAPIRO	09/27/2017
KEVIN D. FELDER	09/27/2017
JOSHUA DEAN YOUNG	09/20/2017

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:	15689694

CORRESPONDENCE DATA

Fax Number:

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: 617-542-6000

Email: mamattoni@mintz.com, nramos@mintz.com

Correspondent Name: MINTZ LEVIN

Address Line 1: ONE FINANCIAL CENTER

Address Line 4: BOSTON, MASSACHUSETTS 02111

ATTORNEY DOCKET NUMBER: END8396USNP2/393F03US

NAME OF SUBMITTER: MICHAEL MATTONI

SIGNATURE:	/Michael Mattoni/			
DATE SIGNED:	01/19/2018			
Total Attachments: 16				
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Attorney Docket No.: 47364-393F03US (END& SUSNE) US Application No.: 15/689,694

COMBINED DECLARATION AND ASSIGNMENT

Title of Invention: ELECTRICALLY-POWERED SURGICAL SYSTEMS FOR CUTTING AND WELDING SOLID ORGANS	
This declaration and assignment is directed to:	
The attached or filed herewith application of (list of named inventors)	
The United States application or PCT international application number 15/689,694 filed on August 29, 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 disclos 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.	æ uf
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine cimprisonment of not more than five (5) years, or both for filings of this. Application in the United States of America.	n
Assignment	
Bthicon LLC	- 0
#475 Street C, Suite 401 Los Fraîles Industrial Park	
Guaynabo, Puerto Rico 00969	7 1
a corporation of Delaware	
(hereinafter designated as the "Assignee"),	
I hereby acknowledge that I have assigned the above-identified invention by previous assignment (attached hereto) to Assign which is hereby conformed for recordation in the US Patent Office and I confirm I have and do assign and transfer:	:e
For good and valuable consideration, the sufficiency of which is acknowledged, I hereby assign and transfer and/or har assigned and transferred to Assignee:	ne
my entire right, title, and interest in, to, and under the Application, including all priority rights for other countries arising therefrom at the right to claim priority to the Application, all inventions or discoveries therein disclosed, and any and all Letters Patent of the Unite States, European Patent Office and of all other countries, which may be granted for such inventions or discoveries, or any of them, a such inventions or discoveries and all rights in such Application including any and all provisionals, substitutions, divisions, at continuations thereof, and to all Letters Patent that may be granted for said inventions and discoveries, and in and to all extension supplementary protection certificates, reexaminations, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own u 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 wou have been held and enjoyed by me had this assignment and sale not been made.	eu ill id is, se
Page 1 of 2	

Attorney Docket No.: 47364-393F03US (END \$405USNP)

US Application No.: 15/689,694

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 provisious 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

Frederick E. Shelton IV

Signature

Date

97 1988

71563080y.1

		Attorney Docket No.;	47364-393F03US (END US Application No.:	
COMBINE	ED DECLARATION	AND ASSIGNMEN	(*	
Title of Invention: ELECTRICALLY-POW	ÆRED SURGICAL SYST	BMS FOR CUTTING A	ND WELDING SOLID O	RGANS
This declaration and assignment is directed to:				
	The attached or filed I	erewith application of (I	st of named inventors)	
or				
	The United States app number 15/689,694 fi	lication or PCT internation of August 29, 2017.	onal application	
Declaration				
As the below named inventor, I hereby (declare that:			
The above-identified application ("Appl	ication") was made or auth	orized by me.		
I believe that I am the original inventor	or an original inventor of a	claimed invention or disc	covery in the Application.	
I have reviewed and understood the co information which is material to patentability as this Application in the United States of America	defined in Title 37, the U	neluding the claims, and nited States Code of Fec	I I acknowledge the duty leral Regulations, §1.56 f	to disclose or filings of
f hereby acknowledge that any willful i imprisonment of not more than five (5) years, or	false statement made in thi both for filings of this App	declaration is punishab lication in the United St	le under 18 U.S.C. § 100 ites of America.	1 by fine or
Assignment				
	Ethicon LLC			
	#475 Street C, Sui			
	Los Frailes Industri			
	Guaynabo, Puerto Ri	33 90909		
	a corporation of De begginnfter designated as th			
I hereby acknowledge that I have assig which is hereby conformed for recordation in the	ned the above-identified in	vention by previous assi	gument (attached hereto) n and transfer:	to Assignee
A				
or			an a liter di kontre elan d	ety tek
For good and valuable consideration, assigned and transferred to Assignce:	the sufficiency of which	is acknowledged, I her	eby assign and fransfer	and/or have
my entire right, title, and interest in, to, and und the right to claim priority to the Application, all States. European Patent Office and of all other such inventions or discoveries and all rights continuations thereof, and to all Letters Patent supplementary protection certificates, reexamina and enjoyment to the full end of the term or term have been held and enjoyed by me had this assis	inventions or discoveries countries, which may be a in such Application incle that may be granted for a tions, renewals, and reissums for which such Letters I	herein disclosed, and an ranted for such invention ding any and all provious and discrete thereof, to be held and tact thereof, to be granted, as	y and all Letters Patent o ns or discoveries, or any sionals, substitutions, di overies, and in and to all I enjoyed by Assignee for	of the United of them, all visions, and l extensions, its own use same would

Page 1 of 2

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Attorney Docket No.: 47364-393F03US (ENDSANSUSNER)

US Application No.: 15/689,694

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 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.

LEGAL NAME OF INVENTOR

Cortney E. Henderson

Signature

Date

71563168v.1

	CERC Attorney Docket No.: 47364-393F03US (END&466USNR US Application No.: 15/689,694
COMBINE	D DECLARATION AND ASSIGNMENT
Title of Invention: ELECTRICALLY-POW	ERED SURGICAL SYSTEMS FOR CUTTING AND WELDING SOLID ORGANS
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 15/689,694 filed on August 29, 2017.
Declaration	
As the below named inventor, I hereby d	eclare that:
The above-identified application ("Appli	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.
I have reviewed and understood the coninformation which is material to patentability as this Application in the United States of America.	itents 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 o
I hereby acknowledge that any willful fi imprisonment of not more than five (5) years, or b	alse statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine of the 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 corporation of Delaware
	erginafter designated as the "Assignee"),
[] I hereby acknowledge that I have assign which is hereby conformed for recordation in the	ed the above-identified invention by previous assignment (attached hereto) to Assigned US Patent Office and I confirm I have and do assign and transfer:
6 7	
[Z] For good and valuable consideration, t 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 Application, all States, European Patent Office and of all other of such inventions or discoveries and all rights is continuations thereof, and to all Letters Patent to summementary protection certificates, reexaminated	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 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 jons, renewals, and reissness 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.: 47364-393F03US (END&R&USNE)
US Application No.: 15/689,694

I shall execute all papers necessary in connection with the Application in the United States Patent and Trademark Office, Biropean 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.

LEGAL NAME OF INVENTOR

Jason L. Harris

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Date

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Attorney Docket No.: 47364-393F03US (ENDSWSUSNE)

	02 Abbitganin 14a.: 120002,024
CON	IBINED DECLARATION AND ASSIGNMENT
Title of Invention: ELECTRICALL	Y-POWERED SURGICAL SYSTEMS FOR CUTTING AND WELDING SOLID ORGANS
This declaration and assignment is directed	d to:
	The attached or filed herewith application of (list of named inventors), or
	The United States application or PCT international application number 15/689.694 filed on August 29, 2017.
Dectaration	
As the below named inventor, I I	nereby declare that:
The above-identified application	("Application") 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.
I have reviewed and understood information which is material to patental this Application in the United States of A	the contents of the Application, including the claims, and I acknowledge the duty to disclose fillty as defined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of merica.
I hereby acknowledge that any vimprisonment of not more than five (5) ye	willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or ears, 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
	그는 이 환자 경기에서 다음 다시에 살았다.
	a corporation of Delaware (hereinafter designated as the "Assignee"),
I hereby acknowledge that I hav which is hereby conformed for recordation	e assigned the above-identified invention by previous assignment (attached hereto) to Assignee in the US Patent Office and I confirm I have and do assign and transfer:
or	
For good and valuable considerassigned and transferred to Assignee:	ration, the 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 all such inventions or discoveries and all continuations thereof, and to all Letters supplementary protection certificates, rec	and under the Application, including all priority rights for other countries arising therefrom and ion, all inventions or discoveries therein disclosed, and any and all Letters Patent of the United I other countries, which may be granted for such inventions or discoveries, or any of them, all rights in such Application including any and all provisionals, substitutions, divisions, and Patent that may be granted for said inventions and discoveries, and in and to all excussions, xuminations, renewals, and reissues thereof, to be held and enjoyed by Assignce for its own use or terms for which such Letters Patent may be granted, as fully and entirely as the same would its assignment and sale not been made.
	Page 1 of 2
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Attorney Docket No.: 47364-393F03US (END##95USNP)

US Application No.: 15/689,694

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 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) coverant 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

David C, Yates

Signature

Date

71563186v.1

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		No.: 473				
			A 2LL			

	C3 Application (10. 1)1007,034
	COMBINED DECLARATION AND ASSIGNMENT
Title of Invention: ELECTRI	CALLY-POWERED SURGICAL SYSTEMS FOR CUTTING AND WELDING SOLID ORGANS
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 15/689,694 filed on <u>August 29, 2017</u> .
Declaration	
As the below named inver	itor, I hereby declare that:
The above-identified appli	ication ("Application") was made or authorized by me.
I believe that I am the orig	inal inventor or an original inventor of a claimed invention or discovery in the Application.
	erstood the contents of the Application, including the claims, and I acknowledge the duty to disclose atentability as defined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of es of America.
I hereby acknowledge tha imprisonment of not more than five	t any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or (5) years, or both for filings of this Application in the United States of America.
Assignment	
	Ethicon LLC
	#475 Street C, Suite 401
	Los Prailes Industrial Park Guaynabo, Puerto Rico 00969
	Guaynano, rueno Nico 10909
	a corporation of Delaware (hereinafter designated as the "Assignee"),
I hereby acknowledge that which is hereby conformed for recu	t I have assigned the above-identified invention by previous assignment (attached hereto) to Assignee ordation in the US Patent Office and I confirm I have and do assign and transfer:
61	
⊠ For good and valuable cassigned and transferred to Assigne	onsideration, the sufficiency of which is acknowledged, I hereby assign and transfer and/or have e:
the right to claim priority to the Ap States. European Patent Office and such inventions or discoveries an continuations thereof, and to all L supplementary protection certificate and enjoyment to the full end of the	n, to, and under the Application, including all priority rights for other countries arising therefrom and opplication, all inventions or discoveries therein disclosed, and any and all Letters Fatent of the United of all other countries, which may be granted for such inventions or discoveries, or any of them, all all rights in such Application including any and all provisionals, substitutions, divisions, and exters Patent that may be granted for said inventions and discoveries, and in and to all extensions, es, reexaminations, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own use term or terms for which such Letters Patent may be granted, as fully and entirely as the same would had this assignment and sale not been made.
	Page 1 of 2

Attorney Docket No.: 47364-393F03US (END#48SUSNE)
US Application No.: 15/689,694

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 reissne 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 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

Jeffrey D. Messerly

GOLLAND CAR

Signatura

Date

71563199v.1

	×.	

Attorney Docket No.: 47364-393F03US (ENDESUSNE) US Application No.: 15/689,694

COMBINI	ED DECLARATION AND ASSIGNMENT
Title of Invention: ELECTRICALLY-POW	VERED SURGICAL SYSTEMS FOR CUTTING AND WELDING SOLID ORGANS
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 <u>15/689,694</u> filed on <u>August 29, 2017</u> .
Declaration	
As the below named inventor, I hereby	declare that:
The above-identified application ("App	lication") 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 co information which is material to patentability as this Application in the United States of America	ontents of the Application, including the claims, and I acknowledge the duty to disclose is defined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of it.
I hereby acknowledge that any willful imprisonment of not more than five (5) years, or	false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine 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 corporation of Delaware Thereinafter designated as the "Assignee"),
I hereby acknowledge that I have assign which is hereby conformed for recordation in the	ned 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 valuable consideration, assigned and transferred to Assignee:	the sufficiency of which is acknowledged, I hereby assign and transfer and/or have
the right to claim priority to the Application, all States. European Patent Office and of all other such inventions or discoveries and all rights continuations thereof, and to all Letters Patent supplementary protection certificates, reexaming	ler 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, tions, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own use as for which such Letters Patent may be granted, as fully and entirely as the same would grament and sale not been made.
	Page 1 of 2

8376

Attorney Docket No.: 47364-393F03US (END&SUSNE).

US Application No.: 15/689,694

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 Assignce 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 finermational 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 bereby (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

Cara Shapiro

Signature

71563204v.1

Date /

Page 2 of 2

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Attorney Docket No.: 47364-393F03US (END 305USNE) US Application No.: 15/689,694

COMBINED DECLARATION AND ASSIGNMENT

Title of Invention: ELECTRICALLY-POWERED SURGICA	AL SYSTEMS FOR CUTTING AND WELDING SOLID ORGANS
This declaration and assignment is directed to:	
The attached	or filed herewith application of (list of named inventors)
	States application or PCT international application 89,694 filed on August 29, 2017.
Declaration	
As the below named inventor, I hereby declare that:	
The above-identified application ("Application") was made	le or authorized by me.
I believe that I am the original inventor or an original inve	entor of a claimed invention or discovery in the Application.
I have reviewed and understood the contents of the Applinformation which is material to patentability as defined in Title this Application in the United States of America.	olication, including the claims, and I acknowledge the duty to disclose 37, the United States Code of Federal Regulations, §1.56 for filings of
I hereby acknowledge that any willful false statement m imprisonment of not more than five (S) years, or both for filings of	ade in this declaration is punishable under 18 U.S.C. § 1001 by fine or this Application in the United States of America.
Assignment	
Ethi #475 Stre Los Frailes	con LLC et C, Suite 401 Industrial Park Puerto Rico 00969
	ion of Delaware nated as the "Assignee"),
I hereby acknowledge that I have assigned the above-ide which is hereby conformed for recordation in the US Patent Office	ntified invention by previous assignment (attached hereto) to Assignee and I confirm I have and do assign and transfer:
or	
For good and valuable consideration, the sufficiency cassigned and transferred to Assignee:	of which is acknowledged, I hereby assign and transfer and/or have
the right to claim priority to the Application, all inventions or dis States, European Patent Office and of all other countries, which such inventions or discoveries and all rights in such Applicat continuations thereof, and to all Letters Patent that may be grat supplementary protection certificates, reasoninations, renewals, a	n, including all priority rights for other countries arising therefrom and coveries therein disclosed, and any and all Letters Patent of the United may be granted for such inventions or discoveries, or any of them, all ion including any and all provisionals, substitutions, divisions, and ated for said inventions and discoveries, and in and to all extensions, and reissues thereof, to be field and enjoyed by Assignee for its own use Letters Patent may be granted, as fully and entirely as the same would of been made.
Pag	e 1 of 2

Attorney Docket No.: 47364-393F03US (END \$350USNE)

US Application No.: 15/689,694

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 yest 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

Keyin D. Felder

Signatore

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Spt 27, 2017

Page 2 of 2

Attorney Docket No.: 47364-393F03US (END& & SUS US Application No.: 15/689	
COMBINED DECLARATION AND ASSIGNMENT	
Title of Invention: ELECTRICALLY-POWERED SURGICAL SYSTEMS FOR CUTTING AND WELDING SOLID ORGAN	S
This declaration and assignment is directed to:	
The attached or filed herewith application of (list of named inventors)	
OP.	
The United States application or PCT international application number 15/689,694 filed on August 29, 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 disc information which is material to patentability as defined in Title 37, the United States Code of Federal Regulations, §1.56 for filing this Application in the United States of America.	:lose gs of
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by full imprisonment of not more than five (5) years, or both for filings of this. Application in the United States of America.	ne or
Assignment	
Ethicon L.L.C	14
#475 Street C, Suite 401 Los Frailes Industrial Park Guaynabo, Puerto Rico 00969	
a corporation of Delaware (hereinafter designated as the "Assignee"),	
[] I hereby acknowledge that I have assigned the above-identified invention by previous assignment (attached hereto) to Assiwhich is hereby conformed for recordation in the US Patent Office and I confirm I have and do assign and transfer:	gnee
WHICH IS DESERT CONTOURNED FOR LEGGLIGHTED BY THE COLUMN CONTOURS AND	
For good and valuable consideration, the sufficiency of which is acknowledged. I hereby assign and transfer and/or assigned and transferred to Assignee:	baye
the right to claim priority to the Application, all inventions or discoveries therein disclosed, and any and all Letters Patent of the UStates, European Patent Office and of all other countries, which may be granted for such inventions or discoveries, or any of ther such inventions or discoveries and all rights in such Application including any and all provisionals, substitutions, divisions, continuations thereof, and to all Letters Patent that may be granted for said inventions and discoveries, and in and to all extens supplementary protection certificates, reexaminations, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own 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 where been held and enjoyed by me had this assignment and sale not been made.	nited n, all , and sions, n use
Page 1 of 2	
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\$35% Attorney Docket No.: 47364-393F03US (END\$49\$USNE) US Application No.: 15/689.694

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 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

RECORDED: 01/19/2018

Joshua Dean Young

Signature

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Page 2 of 2