01/06/2020 505848514

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5895450

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JOSHUA HENDERSON	09/13/2019
JOSHUA P. MORGAN	09/16/2019
ANDREW W. CARROLL	09/26/2019
JEFFREY L. ALDRIDGE	09/23/2019
EITAN T. WIENER	09/25/2019

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:	16562212

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

CARA M. PINTO **Correspondent Name:** 210 SIXTH AVENUE Address Line 1: Address Line 2: **K&L GATES CENTER**

Address Line 4: PITTSBURGH, PENNSYLVANIA 15222-2613

ATTORNEY DOCKET NUMBER:	END9069USNP5/180681-5
NAME OF SUBMITTER:	CARA M. PINTO
SIGNATURE:	/Cara M. Pinto/
DATE SIGNED: 01/06/2020	
	This document serves as an Oath/Declaration (37 CFR 1.63).

PAIENI

REEL: 051424 FRAME: 0862 505848514

Total Attachments: 10 source=signed_combined_declarations-assignments#page1.tif source=signed_combined_declarations-assignments#page2.tif source=signed_combined_declarations-assignments#page3.tif source=signed_combined_declarations-assignments#page4.tif source=signed_combined_declarations-assignments#page5.tif source=signed_combined_declarations-assignments#page6.tif source=signed_combined_declarations-assignments#page7.tif source=signed_combined_declarations-assignments#page8.tif source=signed_combined_declarations-assignments#page9.tif source=signed_combined_declarations-assignments#page9.tif

PATENT REEL: 051424 FRAME: 0863

		Attorney Docket No.: END9069USNPS/180681-5 US Application No.: 16/562,212
	COMBINED	DECLARATION AND ASSIGNMENT
Title of Invention:	MODULAR SURGICAL WITH VOLTAGE DETE	ENERGY SYSTEM WITH MODULE POSITIONAL AWARENESS SENSING CTION
This declaration and ass	ignment is directed to:	
		The attached or filed herewith application of (list of named inventors),
	or	
	×	The United States application or PCT international application number 16/562,212 filed on September 5, 2019.
Declaration		
As the below n	amed inventor, I hereby decl	are that:
The above-ider	ntified application ("Applicat	tion") was made or authorized by me.
I believe that I	am the original inventor or a	n 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 Lin	nited Liability Company of <u>Delaware</u> .
	(here	cinafter 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 assigned and transferred		sufficiency of which is acknowledged, I hereby assign and transfer and/or have
my entire right, title, and interest in, to, and under the Application, including all priority rights for other countries arising therefrom and the right to claim priority to the Application, all inventions or discoveries therein disclosed, and any and all Letters Patent of the United States, European Patent Office and of all other countries, which may be granted for such inventions or discoveries, or any of them, all such inventions or discoveries and all rights in such Application including any and all provisionals, substitutions, divisions, and continuations thereof, and to all Letters Patent that may be granted for said inventions and discoveries, and in and to all extensions,		

supplementary protection certificates, reexaminations, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me had this assignment and sale not been made.

Page 1 of 2

REEL: 051424 FRAME: 0864

US Application No.: 16/562,212

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

I shall execute all papers necessary in connection with any litigation or any other judicial proceeding in the United States or other country, or any administrative proceeding in the United States Patent and Trademark Office, European Patent Office, any other patent office, or under the Patent Cooperation Treaty concerning the Application(s) or any continuation, divisional, or reissue applications thereof, or any reexamination of any such applications, or any Letters Patent issued therefrom or any patent term extensions or supplementary protection certificates of any such applications and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such litigation or proceeding.

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

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

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

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

LEGAL NAME OF INVENTOR		
Will	9-13-2019	
Signature	Date	

Inchas Bandomon

	US Application No.: <u>16/562,212</u>		
	COMBINED DECLARATION AND ASSIGNMENT		
Title of Invention:	MODULAR SURGICAL ENERGY SYSTEM WITH MODULE POSITIONAL AWARENESS SENSING WITH VOLTAGE DETECTION		
This declaration and as	signment is directed to:		
	The attached or filed herewith application of (list of named inventors),		
	or		
	The United States application or PCT international application number 16/562,212 filed on September 5, 2019.		
Declaration			
As the below i	named inventor, I hereby declare that:		
The above-ide	ntified application ("Application") was made or authorized by me.		
I believe that I	I am the original inventor or an original inventor of a claimed invention or discovery in the Application.		
information which is n	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"),		
	owledge that I have assigned the above-identified invention by previous assignment (attached hereto) to Assignee med for recordation in the US Patent Office and I confirm I have and do assign and transfer:		
or			
For good and assigned and transferre	I valuable consideration, the sufficiency of which is acknowledged, I hereby assign and transfer and/or have d to Assignee:		
the right to claim prior States, European Pater such inventions or dis	nd interest in, to, and under the Application, including all priority rights for other countries arising therefrom and ity to the Application, all inventions or discoveries therein disclosed, and any and all Letters Patent of the United int Office and of all other countries, which may be granted for such inventions or discoveries, or any of them, all scoveries and all rights in such Application including any and all provisionals, substitutions, divisions, and and to all Letters Patent that may be granted for said inventions and discoveries, and in and to all extensions,		

supplementary protection certificates, reexaminations, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me had this assignment and sale not been made.

Page 1 of 2

US Application No.: 16/562,212

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.

Joshua P. Morgan,	
LEGAL NAME OF INVENTOR	
Leifny Mon	9/18/19
Signature	Date

Page 2 of 2

		US Application No.: 16/362/212
COMBIN	NED I	DECLARATION AND ASSIGNMENT
Title of Invention: MODULAR SURGE WITH VOLTAGE E		NERGY SYSTEM WITH MODULE POSITIONAL AWARENESS SENSING STION
This declaration and assignment is directed to:	e,	
]	The attached or filed herewith application of (list of named inventors),
0	or	
		The United States application or PCT international application number 16/562,212 filed on September 5, 2019.
Declaration		
As the below named inventor, I hereb	y decla	re that:
The above-identified application ("Ap	pplicati	on") was made or authorized by me.
I believe that I am the original invento	or or an	original inventor of a claimed invention or discovery in the Application.
	as defi	ts of the Application, including the claims, and I acknowledge the duty to disclose ned in Title 37, the United States Code of Federal Regulations, §1.56 for filings of
		statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or for filings of this Application in the United States of America.
Assignment		Ethicon LLC #475 Street C, Suite 401 Los Frailes Industrial Park Guaynabo, Puerto Rico 00969
	a Lim	ited Liability Company of <u>Delaware</u> .
	(here	inafter designated as the "Assignee"),
		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 valuable consideration assigned and transferred to Assignee:	on, the	sufficiency of which is acknowledged, I hereby assign and transfer and/or have
the right to claim priority to the Application, a States, European Patent Office and of all oth such inventions or discoveries and all right continuations thereof, and to all Letters Pater supplementary protection certificates, reexami	all invener cour ts in so ant that inations erms fo	the Application, including all priority rights for other countries arising therefrom and contions or discoveries therein disclosed, and any and all Letters Patent of the United notices, 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, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own use r which such Letters Patent may be granted, as fully and entirely as the same would not and sale not been made.
		Dans 1 of 3
		Page 1 of 2

PATENT REEL: 051424 FRAME: 0868

US Application No.: 16/562,212

I shall execute all papers necessary in connection with the Applications 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.

Andrew W. Carroll LEGAL NAME OF INVENTOR	
Andrew V. Caroll	9/26/19
Signature	Date

Page 2 of 2

		US Application No.: 16/562,212	
	COMBINED	DECLARATION AND ASSIGNMENT	
	itle of Invention: MODULAR SURGICAL ENERGY SYSTEM WITH MODULE POSITIONAL AWARENESS SENSING WITH VOLTAGE DETECTION		
This declaration and assi	gnment is directed to:		
		The attached or filed herewith application of (list of named inventors),	
	or		
	Ø	The United States application or PCT international application number 16/562,212 filed on September 5, 2019.	
Declaration			
As the below na	amed inventor, I hereby decl	lare that:	
The above-iden	tified application ("Applica	tion") was made or authorized by me.	
I believe that I a	um the original inventor or a	m 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 Liu	mited Liability Company of Delaware.	
	(her	einafter designated as the "Assignee"),	
		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 valuable consideration, the sufficiency of which is acknowledged, I hereby assign and transfer and/or have assigned and transferred to Assignee:			
my entire right, title, and interest in, to, and under the Application, including all priority rights for other countries arising therefrom and the right to claim priority to the Application, all inventions or discoveries therein disclosed, and any and all Letters Patent of the United States, European Patent Office and of all other countries, which may be granted for such inventions or discoveries, or any of them, all such inventions or discoveries and all rights in such Application including any and all provisionals, substitutions, divisions, and continuations thereof, and to all Letters Patent that may be granted for said inventions and discoveries, and in and to all extensions, supplementary protection certificates, reexaminations, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me had this assignment and sale not been made.			

Page 1 of 2

US Application No.: 16/562,212

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.

Jeffrey L. Aldridge

LEGAL NAME OF INVENTOR

Signatury & Aldridge

9-23-19

Date

Attorney Docket No.: <u>END9069USNP5/180681-5</u> US Application No.: <u>16/562.212</u>

COMBINED DECLADATION AND ACCIONMENT

Title of Invention: MODULAR SURGICAL ENERGY SYSTEM WITH MODULE POSITIONAL AWARENESS SENSING WITH VOLTAGE DETECTION			
This declaration and assignment	is directed to:		
		The attached or filed herewith application of (list of named inventors),	
	or		
	Ø	The United States application or PCT international application number 16/562,212 filed on September 5, 2019.	
Declaration			
As the below named in	ventor, I hereby decl	are 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 usinformation which is material to this Application in the United S	o patentability as def	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	
I hereby acknowledge imprisonment of not more than	that any willful false five (5) years, or both	e statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or in 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 Lir	nited Liability Company of <u>Delaware</u> .	
	(her	einafter 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:			
the right to claim priority to the States, European Patent Office such inventions or discoveries continuations thereof, and to a supplementary protection certif	e Application, all inverse and of all other coust and all rights in all Letters Patent that icates, reexamination of the terms of the terms of	the Application, including all priority rights for other countries arising therefrom and rentions or discoveries therein disclosed, and any and all Letters Patent of the United antries, which may be granted for such inventions or discoveries, or any of them, all such Application including any and all provisionals, substitutions, divisions, and t 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 ent and sale not been made.	
		Page 1 of 2	
			

PATENT **REEL: 051424 FRAME: 0872**

US Application No.: 16/562,212

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.

Eitan T. Wiener	
LEGAL NAME OF INVENTOR	
Michael	9-25-2019
Signature	Date

Page 2 of 2

PATENT

REEL: 051424 FRAME: 0873