## 05/17/2017 504370746

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4417440

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

## **CONVEYING PARTY DATA**

Name	Execution Date
FREDERICK E. SHELTON IV	03/06/2017
DAVID C. YATES	01/31/2017
KEVIN L. HOUSER	02/10/2017
JEFFREY D. MESSERLY	02/14/2017
JASON L. HARRIS	02/14/2017

## **RECEIVING PARTY DATA**

Name:	ETHICON ENDO-SURGERY, LLC	
Street Address:	#475 STREET C	
Internal Address:	LOS FRAILES INDUSTRIAL PARK	
City:	GUAYNABO	
State/Country:	PUERTO RICO	
Postal Code:	00969	

## **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15382306

## **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) 355-6423

Email: piuspatents@klgates.com ROBERTO CAPRIOTTI **Correspondent Name:** Address Line 1: 210 SIXTH AVENUE Address Line 2: **K&L GATES CENTER** 

Address Line 4: PITTSBURGH, PENNSYLVANIA 15222-2613

ATTORNEY DOCKET NUMBER:	ER: END7911USNP15/160006-15	
NAME OF SUBMITTER: ROBERTO CAPRIOTTI		
SIGNATURE:	/Roberto Capriotti/	
DATE SIGNED:	05/17/2017	
	This document serves as an Oath/Declaration (37 CFR 1.63).	

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REEL: 042403 FRAME: 0001 504370746

# 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: 042403 FRAME: 0002

Attorney Docket No.; <u>END7911USNP15/160006-15</u> US Application No.; <u>15/382,306</u>

	COMBINED	DECLARATION AND ASSIGNMENT
Title of Invention:	MODULAR BATTERY) ASYMMETRIC HANDI	POWERED HANDHELD SURGICAL INSTRUMENT WITH REUSABLE LE HOUSING
This declaration and assig	gnment is directed to:	
		The attached or filed herewith application of (list of named inventors),
	or	
		The United States application or PCT international application number 15/382,306 filed on December 16, 2016.
Declaration		
As the below nat	med inventor, I hereby decl	are that:
The above-identi	ified application ("Applicat	tion") was made or authorized by me.
I believe that I at	n the original inventor or a	n original inventor of a claimed invention or discovery in the Application.
	erial to 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
		e statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or if for filings of this Application in the United States of America.
Assignment		Ethicon Endo-Surgery, LLC #475 Street C Los Frailes Industrial Park Guaynabo, Puerto Rico 00969
	a Lin	nited Liability Company of <u>Delaware</u> .
	(here	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 vassigned and transferred to		sufficiency of which is acknowledged, I hereby assign and transfer and/or have
he right to claim priority States, European Patent ( such inventions or disco- continuations thereof, and supplementary protection and enjoyment to the full	to the Application, all invo Office and of all other cou- veries and all rights in s if to all Letters Patent that certificates, reexaminations 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 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 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

US Application No.: 15/382,306

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

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

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

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

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

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

Frederick E.	Shelton, IV	
LEGAL NAM	E OF INVENTOR	
	7/1/1/1/ A	

Signature

3/6/17

Attorney Docket No.: <u>END7911USNP15/160006-15</u> US Application No.: <u>15/382,306</u>

## COMBINED DECLARATION AND ASSIGNMENT

Title of Invention:	MODULAR BATTERY	POWERED HANDHELD SURGICAL INSTRUMENT WITH REUSABLE
	ASYMMETRIC HAND	
This declaration and assi	gnment is directed to:	
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As the below na	med inventor, I hereby dec	lare that:
The above-ident	ified application ("Applica	tion") was made or authorized by me.
I believe that I a	m the original inventor or a	an original inventor of a claimed invention or discovery in the Application.
	erial to patentability as de	ints 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 the for filings of this Application in the United States of America.
Assignment		Ethicon Endo-Surgery, LLC #475 Street C Los Frailes Industrial Park Guaynabo, Puerto Rico 00969
	a Li	mited Liability Company of <u>Delaware</u> .
	(her	einafter designated as the "Assignee"),
		the above-identified invention by previous assignment (attached hereto) to Assignee S Patent Office and I confirm I have and do assign and transfer:
or		
For good and vassigned and transferred t		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 inv Office and of all other con- overies and all rights in d to all Letters Patent tha certificates, reexamination and of the term or terms f	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 intries, 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 tent and sale not been made.

Page 1 of 2

**PATENT REEL: 042403 FRAME: 0005** 

US Application No.: 15/382,306

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.

David C. Yates

LEGAL NAME-OF INVENTOR

Signature

Date

0/31/17

Attorney Docket No.: <u>END7911USNP15/160006-15</u> US Application No.: <u>15/382,306</u>

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		The United States application or PCT international application number 15/382,306 filed on December 16, 2016.
Declaration		
As the below nar	ned inventor, I hereby decl	are that:
The above-identi	fied application ("Applicat	ion") was made or authorized by me.
I believe that I as	n the original inventor or a	n original inventor of a claimed invention or discovery in the Application.
	erial to 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
		e statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or a for filings of this Application in the United States of America.
Assignment		Ethicon Endo-Surgery, LLC #475 Street C Los Frailes Industrial Park Guaynabo, Puerto Rico 00969
	a Lin	nited Liability Company of Delaware.
	(here	sinafter designated as the "Assignee"),
☐ I hereby acknow which is hereby conforme	ledge that I have assigned d 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 States, European Patent ( such inventions or disco- continuations thereof, and supplementary protection and enjoyment to the full	to the Application, all inventions and of all other counteries and all rights in solutions to all Letters Patent that certificates, reexaminations	ne 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 ntries, which may be granted for such inventions or discoveries, or any of them, all uch 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

US Application No.: 15/382,306

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

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

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

Kevin L. Hou				
LEGAL NAMI	OF INVEN	TOR		
Klu	· X.	X	u.	
Signature				

10-FEB-17

Date

Attorney Docket No.: <u>END7911USNP15/160006-15</u> US Application No.: <u>15/382,306</u>

## COMBINED DECLARATION AND ASSIGNMENT

MODULAR BATTERY I ASYMMETRIC HANDI	POWERED HANDHELD SURGICAL INSTRUMENT WITH REUSABLE LE HOUSING
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or	
⊠	The United States application or PCT international application number 15/382,306 filed on December 16, 2016.
ned inventor, I hereby decl	are that:
fied application ("Applicat	ion") was made or authorized by me.
n the original inventor or a	n original inventor of a claimed invention or discovery in the Application.
	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
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	Ethicon Endo-Surgery, LLC #475 Street C Los Frailes Industrial Park Guaynabo, Puerto Rico 00969
a Lin	nited Liability Company of <u>Delaware</u> .
(here	cinafter 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:
duable consideration, the Assignee:	sufficiency of which is acknowledged, I hereby assign and transfer and/or have
to the Application, all involution and of all other couveries and all rights in second to all Letters Patent that certificates, reexaminations	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 ntries, 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
	nment is directed to:  or  or  and inventor, I hereby declared application ("Applicated to the original inventor or a and understood the content of the dited States of America.  ledge that any willful false than five (5) years, or both a Lin (here the dited States of America.  ledge that I have assigned the for recordation in the US than five (5) years, or both a Lin (here the Application, all involutions and all rights in second all rights in second all Letters Patent that certificates, reexaminations.

Page 1 of 2

**PATENT REEL: 042403 FRAME: 0009** 

US Application No.: 15/382,306

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 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 D. Messerly

LEGAL NAME OF INVENTOR

J. H. Dunge

2/14/2010

US Application No.: 15/382,306

## COMBINED DECLARATION AND ASSIGNMENT

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 15/382,396 filed on December 16, 2016.  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 his 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 imprisoment of not more than five (5) years, or both for filings of this Application in the United States of America.  Assignment  Ethicon Endo-Surgery, LLC  #475 Street C  Los Frailes Industrial Park  Guaynabo, Puertor Rice 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 within is hereby conformed for recordation in the US Patent Office and I confirm I have and do assign and transfer:			
The United States application or PCT international application mumber 15/382,396. filed on December 16, 2016.  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 aformation which is malerial to patentiability as defined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of his 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 impulsionment of not more than five (5) years, or both for filings of this Application in the United States of America.  Assignment  Ethican Endo-Surgery, LLC #475 Street C  Los Frailes Industrial Park Gunyando, Puerto Rico 00969  a Limited Lizbility Company of Delaware. (thereinafter 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 and/or have assigned and transferr and to Assignee:  For good and valuable consideration, the sufficiency of which is acknowledged, I hereby assign and transfer and/or have assigned and transferred to Assignee:  Per good and valuable consideration, the sufficiency of which is acknowledged, I hereby assign and transfer and/or have assigned and transferred to Assignee:  Per good and valuable consideration, the sufficiency of which is acknowledged, I hereby assign and transfer and/or have assigned and transferred to Assignee:  Per good and valuable consideration, all inventions or discoveries, and any and all Letters Patent of the Usited states, European Patent	Title of Invention:		
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The United States application or PCT international application number 15/382,306 filed on December 16, 2016.  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 afformation which is material to patentability as defined in Title 37, the United States Code of Federal Regulations, §1.56 for fillings of his 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 Endo-Surgery, LLC. §475 Street C. Los Frailes Industrial Park Guaynabe, Puerte 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 1 confirm I have and do assign and transfer:  For good and valuable consideration, the sufficiency of which is acknowledged, I hereby assign and transfer and/or have assigned and transferred to Assignee:  For good and valuable consideration, 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 ontirentions or discoveries and all rights in such Application including any and all provisionals, substitutions, divisions, and and intrustrions to the full end of the term or terms for which such Letters Patent may be granted for such in			The attached or filed herewith application of (list of named inventors),
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Page 1 of 2

US Application No.: 15/382,306

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

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

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

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

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

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

Jason L. Harris	
LEGAL NAME OF INVENTOR	
Jun Min	2/14/2017
Signature	Date

Page 2 of 2