#### 503516742 10/09/2015

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3563368

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
TAMARA S. WIDENHOUSE	09/29/2015
CORTNEY E. HENDERSON	10/06/2015
FREDERICK E. SHELTON IV	09/29/2015
JASON L. HARRIS	09/30/2015

# **RECEIVING PARTY DATA**

Name:	ETHICON ENDO-SURGERY, LLC
Street Address:	475 C STREET, SUITE 202
City:	GUAYNABO
State/Country:	PUERTO RICO
Postal Code:	0969

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	14840523

# **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.

6173483018 Phone:

Email: csperry@mintz.com **Correspondent Name: CHRISTINA SPERRY** Address Line 1: ONE FINANCIAL CENTER

Address Line 4:

BOSTON, MASSACHUSETTS 02111

NAME OF SUBMITTER:	CHRISTINA SPERRY
SIGNATURE:	/Christina Sperry/
DATE SIGNED:	10/09/2015
	This document serves as an Oath/Declaration (37 CFR 1.63).

### **Total Attachments: 8**

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> **PATENT REEL: 036763 FRAME: 0818** 503516742

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PATENT REEL: 036763 FRAME: 0819

Attorney Docket No.: 47364-170F01US (END7633USNP)
US Application No.: 14/840,S23

		Up appredict No.: 14/040/525
COME	BINED	DECLARATION AND ASSIGNMENT
Title of Invention: ADJUNCTS FOR S	SURGIC	AL DEVICES INCLUDING AGONISTS AND ANTAGONISTS
This declaration and assignment is directed	to:	
		The attached or filed herewith application of (list of named inventors),
	or	
	$\boxtimes$	The United States application or PCT international application number 14/840,523 filed on August 31, 2015.
Declaration		
As the below named inventor, I her	reby deci	are that:
The above-identified application ("	'Applicat	tion") was made or authorized by me.
I believe that I am the original inve	ntor or a	n original inventor of a claimed invention or discovery in the Application.
	ity as de	nts of the Application, including the claims, and I acknowledge the duty to disclose fined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of
		e statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or h for filings of this Application in the United States of America.
Assignment		
		Ethicon Endo-Surgery, LLC 475 C Street, Suite 202 Guaynabo, 0969, Puerto Rico
	a Lir	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 valuable considerat assigned and transferred to Assignee:	ion, the	sufficiency of which is acknowledged, I hereby assign and transfer and/or have
the right to claim priority to the Application States, European Patent Office and of all of such inventions or discoveries and all rigo continuations thereof, and to all Letters Patent supplementary protection certificates, reexamplementary	i, all involuer cou ghts in s itent that mination terms fo	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 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 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 <b>1</b> of <b>2</b>

US Application No.: 14/840,523

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

Signature

43214863v.1

Date

Attorney Docket No.: 47364-170F01US (END7633USNP)
US Application No.: 14/840.523

		C5 Approator No., 14/640,325
CC	MBINET	DECLARATION AND ASSIGNMENT
Title of Invention: ADJUNCTS F	OR SURGIO	CAL DEVICES INCLUDING AGONISTS AND ANTAGONISTS
This declaration and assignment is dire	cted to:	
		The attached or filed herewith application of (list of named inventors),
	or	
	×	The United States application or PCT international application number 14/840,523 filed on August 31, 2015.
Declaration		
As the below named inventor,	I hereby dec	clare that:
The above-identified applicati	on ("Applica	ation") was made or authorized by me.
I believe that I am the original	inventor or	an original inventor of a claimed invention or discovery in the Application.
I have reviewed and understoinformation which is material to paten this Application in the United States o	tability as d	ents of the Application, including the claims, and I acknowledge the duty to disclose efined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of
I hereby acknowledge that an imprisonment of not more than five (5)	y willful fals years, or bo	se statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or th for filings of this Application in the United States of America.
Assignment		
		Ethicon Endo-Surgery, LLC 475 C Street, Suite 202 Guaynabo, 0969, Paerto Rico
	a L	imited Liability Company of <u>Delaware</u> .
	(he	reinafter designated as the "Assignee"),
		d 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 valuable constanting For good and valuable constanting For good and transferred to Assignee:	deration, th	e sufficiency of which is acknowledged, I hereby assign and transfer and/or have
the right to claim priority to the Appli- States, European Patent Office and of such inventions or discoveries and a continuations thereof, and to all Lette supplementary protection certificates, a	cation, all in all other could rights in a Patent the eexamination or terms	the Application, including all priority rights for other countries arising therefrom and eventions or discoveries therein disclosed, and any and all Letters Patent of the United nuntries, which may be granted for such inventions or discoveries, or any of them, all such Application including any and all provisionals, substitutions, divisions, and at may be granted for said inventions and discoveries, and in and to all extensions, ons, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own use for which such Letters Patent may be granted, as fully and entirely as the same would ment and sale not been made.
		Page 1 of 2

**PATENT REEL: 036763 FRAME: 0822** 

US Application No.: 14/840,523

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

Attorney Docket No.: 47364-170F01US (END7633USNP)
US Application No.: 14/840,523

COMBINED DECLARATION AND ASSIGNMENT		
Title of Invention: ADJUNCTS FOR SURGE	CAL DEVICES INCLUDING AGONISTS AND ANTAGONISTS	
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 14/840.523 filed on August 31, 2015.	
Declaration		
As the below named inventor, I hereby de	celare that:	
The above-identified application ("Application ("Application of the above-identified application of th	ration") 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 fa imprisonment of not more than five (5) years, or be	lse statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or oth for filings of this Application in the United States of America.	
Assignment	Ethicon Endo-Surgery, LLC 475 C Street, Suite 202 Guaynabo, 0969, Puerto Rico	
a I	.imited Liability Company of <u>Delaware</u> .	
(h	ereinafter designated as the "Assignee"),	
I hereby acknowledge that I have assigne which is hereby conformed for recordation in the I	ed the above-identified invention by previous assignment (attached hereto) to Assignee IS Patent Office and I confirm I have and do assign and transfer:	
or		
For good and valuable consideration, the assigned and transferred to Assignce:	he sufficiency of which is acknowledged, I hereby assign and transfer and/or have	
ny 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 ontinuations thereof, and to all Letters Patent that may be granted for said inventions and discoveries, and in and to all extensions, upplementary protection certificates, reexaminations, renewals, and reissnes 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.		
	Down 1 of 2	

Page 1 of 2

US Application No.: 14/840,523

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 reissne applications thereof, or any reexamination of any such applications, or any Letters Patent issued therefrom or any patent term extensions or supplementary protection certificates of any such applications and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such litigation or proceeding.

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

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

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

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

# LEGAL NAME OF INVENTOR

Fire Mit

Frederick E. Shelton, IV

Signature

43215006v.1

7/20

Attorney Docket No.: 47364-170F01US (END7633USNP) US Application No.: 14/840,523

COMBINED DECLARATION AND ASSIGNMENT		
Title of Invention: ADJUNCTS FOR SU	RGICAL DEVICES INCLUDING AGONISTS AND ANTAGONISTS	
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 14/840,523 filed on August 31, 2015.	
Declaration		
As the below named inventor, I heref	by declare that:	
The above-identified application ("A	pplication") was made or authorized by me.	
I believe that I am the original invent	or or an original inventor of a claimed invention or discovery in the Application.	
I have reviewed and understood the information which is material to patentability this Application in the United States of Amer	contents of the Application, including the claims, and I acknowledge the duty to disclose as defined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of ica.	
I hereby acknowledge that any willf imprisonment of not more than five (5) years,	ul false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or or both for filings of this Application in the United States of America.	
Assignment	Ethicon Endo-Surgery, LLC 475 C Street, Suite 202 Guaynabo, 0969, Puerto Rico	
	a Limited Liability Company of <u>Delaware</u> .	
	(hereinafter designated as the "Assignee"),	
I hereby acknowledge that I have as which is hereby conformed for recordation in	signed the above-identified invention by previous assignment (attached hereto) to Assignee the US 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, States, European Patent Office and of all of such inventions or discoveries and all righ continuations thereof, and to all Letters Pate	under the Application, including all priority rights for other countries arising therefrom and all inventions or discoveries therein disclosed, and any and all Letters Patent of the United her countries, which may be granted for such inventions or discoveries, or any of them, all its in such Application including any and all provisionals, substitutions, divisions, and ent that may be granted for said inventions and discoveries, and in and to all extensions, tinations, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own use terms for which such Letters Patent may be granted, as fully and entirely as the same would ssignment and sale not been made.	
•	Dama 1 n.E.2	

Page 1 of 2

US Application No.: 14/840,523

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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.

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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.

#### TEGAL NAME OF INVENTOR

Jason L. Harris		
Jun & Mri	9/30/2015	
Signature	Date	
43215784v.1		