# 504354371 05/05/2017

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4401062

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
MARK D. OVERMYER	02/02/2017
JEFFREY S. SWAYZE	01/10/2017
FREDERICK E. SHELTON IV	01/19/2017
JASON L. HARRIS	01/11/2017
JOSHUA YOUNG	01/17/2017
DAVID C. YATES	01/31/2017
KEVIN L. HOUSER	01/17/2017

### **RECEIVING PARTY DATA**

Name:	ETHICON ENDO-SURGERY, 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:	15374156

## **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: 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:	05/05/2017

PATENT REEL: 042258 FRAME: 0397

504354371

	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 14	
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PATENT REEL: 042258 FRAME: 0398

COMBINED DECLARATION AND ASSIGNMENT		
Fitle of Invention: SURGICAL TOOL A	ND RC	DBOTIC SURGICAL SYSTEM INTERFACES
This declaration and assignment is directed to:		
	J	The attached or filed herewith application of (list of named inventors),
0	)r	
	⅓	The United States application or PCT international application number 15/374,156 filed on December 9, 2016.
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.
I have reviewed and understood the information which is material to patentability this Application in the United States of American	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
I hereby acknowledge that any willfumprisonment of not more than five (5) years, or	ıl false or both	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 Endo-Surgery, 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"),
I hereby acknowledge that I have ass which is hereby conformed for recordation in t	signed t	he 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:	n, 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 counts in some that instinations for the constructions for the country and the cou	the Application, including all priority rights for other countries arising therefrom and antitions or discoveries therein disclosed, and any and all Letters Patent of the United atries, 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 nt and sale not been made.
		Page 1 of 2

**PATENT** REEL: 042258 FRAME: 0399

US Application No.: 15/374,156

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

Pall Overnyer

Mark D. Overmyer

Signature

65458258v.1

Feb 2, 2017

Page 2 of 2

COMBINED DECLARATION AND ASSIGNMENT		
Fitle of Invention: SURGICAL TOOL AND	ROBOTIC SURGICAL SYSTEM INTERFACES	
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 15/374,156 filed on December 9, 2016.	
Declaration		
As the below named inventor, I hereby de	clare that:	
The above-identified application ("Applic	ation") was made or authorized by me.	
I believe that I am the original inventor or	an original inventor of a claimed invention or discovery in the Application.	
I have reviewed and understood the cont information which is material to patentability as dhis Application in the United States of America.	ents of the Application, including the claims, and I acknowledge the duty to disclose lefined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of	
I hereby acknowledge that any willful fal mprisonment of not more than five (5) years, or be	se 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 Street C, Suite 401 Los Frailes Industrial Park Guaynabo Puerto Rico 00969	
a L	imited Liability Company of <u>Delaware</u> .	
(he	ereinafter designated as the "Assignee"),	
I hereby acknowledge that I have assigne which is hereby conformed for recordation in the U	d 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, that is signed and transferred to Assignee:	ne sufficiency of which is acknowledged, I hereby assign and transfer and/or have	
the right to claim priority to the Application, all in States, European Patent Office and of all other couch inventions or discoveries and all rights in continuations thereof, and to all Letters Patent the supplementary protection certificates, reexamination	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 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 that may be granted for said inventions and discoveries, and in and to all extensions, cons, 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.	
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US Application No.: 15/374,156

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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 S. Swayze

Signature

65460480v.1

1-10-2017

Date

COMBINED DECLARATION AND ASSIGNMENT		
<b>Fitle of Invention</b> : SURGICAL TO	OL AND F	OBOTIC SURGICAL SYSTEM INTERFACES
This declaration and assignment is direct	ed to:	
		The attached or filed herewith application of (list of named inventors),
	$\mathbf{or}$	
		The United States application or PCT international application number <u>15/374,156</u> filed on <u>December 9, 2016</u> .
Declaration		
As the below named inventor, I	hereby dec	lare that:
The above-identified application	ı ("Applica	ation") was made or authorized by me.
I believe that I am the original i	nventor or	an original inventor of a claimed invention or discovery in the Application.
I have reviewed and understoo information which is material to patenta this Application in the United States of	bility as de	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 any imprisonment of not more than five (5) y	willful fals	the 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, Suite 401 Los Frailes Industrial Park Guaynabo Puerto Rico 00969
		mited Liability Company of <u>Delaware</u> .
		reinafter designated as the "Assignee"),
I hereby acknowledge that I hawhich is hereby conformed for recordation	ve assigned on in the U	I 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 consides assigned and transferred to Assignce:	eration, the	e sufficiency of which is acknowledged, I hereby assign and transfer and/or have
the right to claim priority to the Applica States, European Patent Office and of a such inventions or discoveries and all continuations thereof, and to all Letters supplementary protection certificates, re	ation, all in all other co rights in Patent the examination or terms	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 untries, 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, ns, 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

US Application No.: 15/374,156

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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.

LEGAL NAME OF INVENTOR

redul Silling

Frederick E. Shelton, IV

Signature

65460633v.1

Data

Page 2 of 2

	COMBINED	DECLARATION AND ASSIGNMENT
<b>Fitle of Invention</b> : SURGICA	L TOOL AND R	ROBOTIC SURGICAL SYSTEM INTERFACES
This declaration and assignment is	directed to:	
		The attached or filed herewith application of (list of named inventors),
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Declaration		
As the below named inver	ntor, I hereby dec	lare that:
The above-identified appl	ication ("Applica	ation") was made or authorized by me.
I believe that I am the orig	ginal inventor or	an original inventor of a claimed invention or discovery in the Application.
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Assignment		Ethicon Endo-Surgery, LLC #475 Street C, Suite 401 Los Frailes Industrial Park Guaynabo Puerto Rico 00969
	a Li	mited Liability Company of Delaware.
	(he	reinafter designated as the "Assignee"),
I hereby acknowledge the which is hereby conformed for rec	at I have assigned ordation in the U	I the above-identified invention by previous assignment (attached hereto) to Assignee S Patent Office and I confirm I have and do assign and transfer:
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For good and valuable cassigned and transferred to Assign		e sufficiency of which is acknowledged, I hereby assign and transfer and/or have
the right to claim priority to the A States, European Patent Office ar such inventions or discoveries a continuations thereof, and to all I supplementary protection certifical	pplication, all in a of all other condall rights in Letters Patent thates, reexamination terms	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 puntries, which may be granted for such inventions or discoveries, or any of them, all such Application including any and all provisionals, substitutions, divisions, and at may be granted for said inventions and discoveries, and in and to all extensions, ans, renewals, and reissues thereof, to be held and enjoyed by Assignce 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

US Application No.: 15/374,156

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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

Jason L. Harris

Wan J Mus.

Signature

Date

65460733v.1

COMBINED DECLARATION AND ASSIGNMENT		
Title of Invention: SURGICAL TO	OOL AND I	ROBOTIC SURGICAL SYSTEM INTERFACES
This declaration and assignment is direc	eted to:	
		The attached or filed herewith application of (list of named inventors),
	or	
	$\boxtimes$	The United States application or PCT international application number <u>15/374,156</u> filed on <u>December 9, 2016</u> .
Declaration		
As the below named inventor,	I hereby dec	clare that:
The above-identified application	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 understo nformation which is material to patent his Application in the United States of	ability as d	ents of the Application, including the claims, and I acknowledge the duty to disclose efined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of
I hereby acknowledge that any mprisonment of not more than five (5)	/ willful fal years, or bo	se 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 Street C, Suite 401 Los Frailes Industrial Park Guaynabo Puerto Rico 00969
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	(he	reinafter designated as the "Assignee"),
I hereby acknowledge that I have the secondary of the sec	ave assigne ion in the U	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 consinssigned 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 Applic States, European Patent Office and of such inventions or discoveries and a continuations thereof, and to all Lette supplementary protection certificates, r	eation, all ir all other co ill rights in rs Patent th eexamination or terms	the Application, including all priority rights for other countries arising therefrom and aventions 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 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

US Application No.: 15/374,156

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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

Joshua Young	
AURD -	01/17/17
Signature	Date
65460750v.1	

COMBINED DECLARATION AND ASSIGNMENT		
Title of Invention: SURGICAL TOOL AND	ROBOTIC SURGICAL SYSTEM INTERFACES	
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 15/374,156 filed on December 9, 2016.	
Declaration		
As the below named inventor, I hereby de	clare that:	
The above-identified application ("Applic	ation") was made or authorized by me.	
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1 hereby acknowledge that I have assigne which is hereby conformed for recordation in the U	d 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 Assignee:	ne sufficiency of which is acknowledged, I hereby assign and transfer and/or have	
the right to claim priority to the Application, all in States, European Patent Office and of all other co such inventions or discoveries and all rights in continuations thereof, and to all Letters Patent the supplementary protection certificates, reexamination	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 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 nat 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.	
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US Application No.: 15/374,156

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LEGAL NAME OF INVENTOR

David C. Yates

Signature

65460772v.1

DC4

Date

COMBINED DECLARATION AND ASSIGNMENT		
Fitle of Invention: SURGICA	L TOOL AND R	ROBOTIC SURGICAL SYSTEM INTERFACES
This declaration and assignment is	directed to:	
		The attached or filed herewith application of (list of named inventors),
	or	
	$\boxtimes$	The United States application or PCT international application number 15/374,156 filed on December 9, 2016.
Declaration		
As the below named inver	ntor, I hereby dec	lare that:
The above-identified appl	cation ("Applica	ation") 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,
I have reviewed and undesinformation which is material to pethis Application in the United Stat	atentability as de	ents of the Application, including the claims, and I acknowledge the duty to disclose of fined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of
I hereby acknowledge tha imprisonment of not more than five	t any willful false (5) years, or bo	se 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, Suite 401 Los Frailes Industrial Park Guaynabo Puerto Rico 00969
	a Li	mited Liability Company of <u>Delaware</u> .
	(her	reinafter designated as the "Assignee"),
I hereby acknowledge that which is hereby conformed for reco	t I have assigned ordation in the U	I 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 cassigned and transferred to Assign		e sufficiency of which is acknowledged, I hereby assign and transfer and/or have
the right to claim priority to the A States, European Patent Office ar such inventions or discoveries a continuations thereof, and to all I supplementary projection certifical	pplication, all in d of all other cond all rights in Letters Patent the es, reexamination terms	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 puntries, which may be granted for such inventions or discoveries, or any of them, all such Application including any and all provisionals, substitutions, divisions, and at may be granted for said inventions and discoveries, and in and to all extensions, ans, 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: 042258 FRAME: 0411

US Application No.: 15/374,156

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

RECORDED: 05/05/2017

Kevin L. Houser

Signature

65460881 v.1

Date

17-JAN-17

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