07/14/2016 503914637

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3961289

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DAVID T. MARTIN	08/06/2015
CHRISTOPHER J. HESS	08/04/2015
WILLIAM J. WHITE	08/03/2015
DANIEL J. MUMAW	08/04/2015
ANDREW C. DECK	08/06/2015
FREDERICK J. SHELTON	08/03/2015

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14739415

CORRESPONDENCE DATA

Fax Number: (513)651-6981

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: 513-651-6800 Email: dattix@fbtlaw.com **Correspondent Name:** ANDREW B. ULMER

3300 GREAT AMERICAN TOWER Address Line 1:

Address Line 2: 301 E. FOURTH STREET Address Line 4: CINCINNATI, OHIO 45202

ATTORNEY DOCKET NUMBER:	END7736USNP.0626929
NAME OF SUBMITTER:	ANDREW B. ULMER
SIGNATURE:	/Andrew B. Ulmer/
DATE SIGNED:	07/14/2016

This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 12

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COMBINED DECLARATION AND ASSIGNMENT

A	As the below named inventor, I hereby declare that:	

The United States application or PCT international application number 14/739,415 filed on June 15, 2015.

The above-identified application ("Application") was made or authorized by me.

TITLE of Invention: SUTURING INSTRUMENT WITH ROBOTIC DRIVE INTERFACE

This declaration is directed to:

I believe that I am the original inventor or an original inventor of a claimed invention or discovery in the Application.

The attached application, or

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.

For good and valuable consideration, the sufficiency of which is acknowledged, I hereby sell, assign, transfer and set over to and/or have sold, assigned, transferred and set over to:

Ethicon Endo-Surgery, LLC 475 C Street, Suite 202 Guaynabo, 0969, Puerto Rico

a Limited Liability Company of Delaware.

(hereinafter designated as the "Assignee"), my entire right, title, and interest in, to, and under the Application, including all priority rights for other countries arising therefrom, all inventions or discoveries therein disclosed, and any and all Letters Patent of the United States, European Patent Office and of all other countries, including Canada, 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 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 them had this assignment and sale not been made.

I agree to execute all papers necessary in connection with the Application in the United States, Patent Cooperation Treaty, European Patent Office and any other foreign countries 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 agree to execute all papers necessary in connection with any litigation or any other administrative or judicial proceeding in the United States, Patent Cooperation Treaty, European Patent Office and any other foreign countries 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 and 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.

1 of 2

I agree to 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 agree to 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, 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 the said Assignee, and (ii) as Assignee of the entire interest, and hereby 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.

David T. Martin LEGAL NAME OF INVENTOR	
Signature Signature	August 6, 2015 Date
ACKN	OWLEDGMENT
STATE OF OHIO } COUNTY OF HAMILTON SS:	
	for said County and State. Witness my hand and Notarial Seal 2015. August. Julanland Notarial Seal Notary Public
May 31, 2019	Kara N. Tulanko Printed Name
My commission expires: May 31, 2019	

	COMBINED	DECLARATION AND ASSIGNMENT
TITLE of Invention: SUTURING I	NSTRUMENT V	WITH ROBOTIC DRIVE INTERFACE
As the below named inven	tor, I hereby dec	lare that:
This declaration is directed	to:	The attached application, or
		The United States application or PCT international application number <u>14/739,415</u> filed on <u>June 15, 2015</u> .
The above-identified applic	cation ("Applica	tion") was made or authorized by me.
I believe that I am the origi	nal inventor or a	an original inventor of a claimed invention or discovery in the Application.
I have reviewed and under information which is material to pathis Application in the United State	tentability 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.
For good and valuable con and/or have sold, assigned, transferr		sufficiency of which is acknowledged, I hereby sell, assign, transfer and set over to o:
		Ethicon Endo-Surgery, LLC 475 C Street, Suite 202 Guaynabo, 0969, Puerto Rico
	a Lin	nited Liability Company of <u>Delaware</u> .
for other countries arising therefron European Patent Office and of all o them, all such inventions or discove thereof, and to all Letters Patent th protection certificates, reexaminatio	n, all inventions ther countries, in ries and all right at may be grant ns, renewals, and for which such I	e right, title, and interest in, to, and under the Application, including all priority rights or discoveries therein disclosed, and any and all Letters Patent of the United States, neluding Canada, which may be granted for such inventions or discoveries, or any of its in such Application including any and all substitutions, divisions, and continuations ted for said inventions and discoveries, and in and to all extensions, supplementary divisions thereof, to be held and enjoyed by Assignee for its own use and enjoyment betters Patent may be granted, as fully and entirely as the same would have been held of been made.
European Patent Office and any other of any of such applications, and any	er foreign counti	connection with the Application in the United States, Patent Cooperation Treaty, ries and any continuing, divisional, or reissue applications thereof, any reexamination tensions or supplementary protection certificates of any such applications and also to h applications as the Assignee may deem necessary or expedient.
United States, Patent Cooperation T continuation, divisional, or reissue therefrom and any patent term extern	reaty, European applications the ensions or suppl	onnection with any litigation or any other administrative or judicial proceeding in the Patent Office and any other foreign countries concerning the Application(s) or any ereof, or any reexamination of any such applications, or any Letters Patent issued ementary protection certificates of any such applications and to cooperate with the e and going forward with such litigation or proceeding.

I agree to 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 agree to 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, 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 the said Assignee, and (ii) as Assignee of the entire interest, and hereby 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.

Christopher J. Hess LEGAL NAME OF INVENTOR Signature	8 4 2015 Date
ACKI STATE OF OHIO}	NOWLEDGMENT
COUNTY OF HAMILTON SS:	
Acknowledged before me, a Notary Public, within an day of	nd for said County and State. Witness my hand and Notarial Seal, 2015.
Notary Public, State of Ohio My Commission Expires May 31, 2019	Notary Public Kara N. Tulanko Printed Name
My commission expires: May 31, 2019	

COMBINE	D DECLARATION AND ASSIGNMENT
TITLE of Invention: SUTURING INSTRUMENT	WITH ROBOTIC DRIVE INTERFACE
As the below named inventor, I hereby de	eclare that:
This declaration is directed to:	The attached application, or
	The United States application or PCT international application number 14/739,415 filed on June 15, 2015.
The above-identified application ("Application")	cation") was made or authorized by me.
I believe that I am the original inventor of	r an original inventor of a claimed invention or discovery in the Application.
	tents of the Application, including the claims, and I acknowledge the duty to disclose defined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of
	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.
For good and valuable consideration, the and/or have sold, assigned, transferred and set ove	e sufficiency of which is acknowledged, I hereby sell, assign, transfer and set over to:
	Ethicon Endo-Surgery, LLC 475 C Street, Suite 202 Guaynabo, 0969, Puerto Rico
a I	Limited Liability Company of <u>Delaware</u> .
for other countries arising therefrom, all invention European Patent Office and of all other countries, them, all such inventions or discoveries and all right thereof, and to all Letters Patent that may be graph protection certificates, reexaminations, renewals, a	cire right, title, and interest in, to, and under the Application, including all priority rights as or discoveries therein disclosed, and any and all Letters Patent of the United States, including Canada, which may be granted for such inventions or discoveries, or any of this in such Application including any and all substitutions, divisions, and continuations anted for said inventions and discoveries, and in and to all extensions, supplementary and reissues thereof, to be held and enjoyed by Assignee for its own use and enjoyment a Letters Patent may be granted, as fully and entirely as the same would have been held not been made.
European Patent Office and any other foreign countries of such applications, and any patent term e	in connection with the Application in the United States, Patent Cooperation Treaty, atries and any continuing, divisional, or reissue applications thereof, any reexamination extensions or supplementary protection certificates of any such applications and also to such applications as the Assignee may deem necessary or expedient.
United States, Patent Cooperation Treaty, Europe continuation, divisional, or reissue applications therefrom and any patent term extensions or sup	connection with any litigation or any other administrative or judicial proceeding in the an Patent Office and any other foreign countries concerning the Application(s) or any thereof, or any reexamination of any such applications, or any Letters Patent issued plementary protection certificates of any such applications and to cooperate with the nee and going forward with such litigation or proceeding.
	1 of 2

I agree to 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 agree to 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, 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 the said Assignee, and (ii) as Assignee of the entire interest, and hereby 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.

William J. White LEGAL NAME OF INVENTOR	
William thate	8-3-15
Signature	Date
ACKNO'	WLEDGMENT
STATE OF OHIO COUNTY OF HAMILTON SS:	
	or said County and State. Witness my hand and Notarial Seal 015. Notary Public Kara N. Tulanko Printed Name
	2. of 2.

As the below named inventor, I hereby declare that: This declaration is directed to: The attached application or PCT international application number 14/739,415 filed on June 15, 2015. 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 fillings 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 fillings of this Application in the United States of America. For good and valuable consideration, the sufficiency of which is acknowledged, I hereby sell, assign, transfer and set over to and/or have sold, assigned, transferred and set over to: Ethicon Endo-Surgery, LLC 475 C Street, Suite 202 Guaynabo, 0969, Puerto Rico
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475 C Street, Suite 202
a Limited Liability Company of Delaware.
(hereinafter designated as the "Assignee"), my entire right, title, and interest in, to, and under the Application, including all priority rights for other countries arising therefrom, all inventions or discoveries therein disclosed, and any and all Letters Patent of the United States European Patent Office and of all other countries, including Canada, 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 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 them had this assignment and sale not been made.
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Daniel J. Mumaw	
LEGAL NAME OF INVENTOR	
	8/4/15
Signature	Date
ACKNOWL	EDGMENT
STATE OF OHIO }	
``````````````````````````````````````	
COUNTY OF HAMILTON }	
Acknowledged before me, a Notary Public, within and for sa	aid County and State. Witness my hand and Notarial Seal
this	
RYPU	
	La de la
KARA N. TULANKO	Jaca x. Suranto
Notary Public, State of Ohio	Notary Public
My Commission Expires May 31, 2019	
Way 31, 2019	Kara N. Tulanko
AVE OF OTT	Printed Name
My commission expires: May 31, 2019	
My commission expires: May 31, 2019	

COMBINED DECLARATION AND ASSIGNMENT		
TITLE of Invention: SUTURING INSTR	UMENT V	WITH ROBOTIC DRIVE INTERFACE
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	a Liı	mited Liability Company of <u>Delaware</u> .
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United States, Patent Cooperation Treaty, continuation, divisional, or reissue applic therefrom and any patent term extensions	European ations the or suppl	onnection with any litigation or any other administrative or judicial proceeding in the Patent Office and any other foreign countries concerning the Application(s) or any ereof, or any reexamination of any such applications, or any Letters Patent issued ementary protection certificates of any such applications and to cooperate with the e and going forward with such litigation or proceeding.

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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.

Andrew C. Deck LEGAL NAME OF INVENTOR	
Signature Signature	August 6, 2015 Date
ACKNO	DWLEDGMENT
STATE OF OHIO } COUNTY OF HAMILTON SS:	
thisday of	For said County and State. Witness my hand and Notarial Seal 2015.  **Acah. Julanh** Notary Public
May 31, 2019  My commission expires: May 31, 2019	Kara N. Tulanko Printed Name

2 of 2

COMBINED DECLARATION AND ASSIGNMENT		
TITLE of Invention: SUTURING INSTRUME	ENT WITH ROBOTIC DRIVE INTERFACE	
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This declaration is directed to:	The attached application, or	
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The above-identified application ("Ap	plication") 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.	
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	I false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or both for filings of this Application in the United States of America.	
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for other countries arising therefrom, all inven European Patent Office and of all other country them, all such inventions or discoveries and all thereof, and to all Letters Patent that may be protection certificates, reexaminations, renewal	entire right, title, and interest in, to, and under the Application, including all priority rights tions or discoveries therein disclosed, and any and all Letters Patent of the United States, ies, including Canada, which may be granted for such inventions or discoveries, or any or rights in such Application including any and all substitutions, divisions, and continuations granted for said inventions and discoveries, and in and to all extensions, supplementary is, and reissues thereof, to be held and enjoyed by Assignee for its own use and enjoyment uch Letters Patent may be granted, as fully and entirely as the same would have been held ale not been made.	
European Patent Office and any other foreign c of any of such applications, and any patent terr	ountries and any continuing, divisional, or reissue applications thereof, any reexamination mextensions or supplementary protection certificates of any such applications and also to h such applications as the Assignee may deem necessary or expedient.	
United States, Patent Cooperation Treaty, Euro continuation, divisional, or reissue application therefrom and any patent term extensions or s	in connection with any litigation or any other administrative or judicial proceeding in the opean Patent Office and any other foreign countries concerning the Application(s) or any st thereof, or any reexamination of any such applications, or any Letters Patent issued supplementary protection certificates of any such applications and to cooperate with the idence and going forward with such litigation or proceeding.	

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I agree to 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 agree to 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, 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 the said Assignee, and (ii) as Assignee of the entire interest, and hereby 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 NAME OF INVENTOR  Signature	8/3/15 Date
ACKNO	OWLEDGMENT
STATE OF OHIO  COUNTY OF HAMILTON  SS:	
	for said County and State. Witness my hand and Notarial Seal 2015.   Notary Public  Kara N. Tulanko
My commission expires: May 31, 2019	Printed Name

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RECORDED: 07/14/2016

PATENT