PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE: NEW ASSIGNMENT NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KEVIN L. HOUSER	05/07/2015
STEPHANIE J. MUIR	05/12/2015
LOUIS T. DELUCA	05/08/2015
DANIEL W. PRICE	05/11/2015
WILLIAM D. BOYD	06/05/2015
GALEN C. ROBERTSON	03/18/2015

RECEIVING PARTY DATA

Name:	ETHICON ENDO-SURGERY, INC.			
Street Address:	4545 CREEK ROAD			
City:	CINCINNATI			
State/Country:	ОНЮ			
Postal Code:	45242			

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14645796

CORRESPONDENCE DATA

503348809

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) 355-6798

Email: piuspatents@klgates.com CHRISTOPHER G. WOLFE **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:	END6010USDIV4/070122DIV4
NAME OF SUBMITTER:	CHRISTOPHER G. WOLFE
SIGNATURE:	/Christopher G. Wolfe/
DATE SIGNED:	06/12/2015
	This document serves as an Oath/Declaration (37 CFR 1.63).

REEL: 035903 FRAME: 0401

PAIENI

EPAS ID: PAT3395429

Total Attachments: 12 source=Combined_Declarations_Assignments_-_Ethicon_inventors_to_Inventors#page1.tif source=Combined_Declarations_Assignments_-_Ethicon_inventors_to_Inventors#page2.tif source=Combined_Declarations_Assignments_-_Ethicon_inventors_to_Inventors#page3.tif source=Combined_Declarations_Assignments_-_Ethicon_inventors_to_Inventors#page5.tif source=Combined_Declarations_Assignments_-_Ethicon_inventors_to_Inventors#page5.tif source=Combined_Declarations_Assignments_-_Ethicon_inventors_to_Inventors#page7.tif source=Combined_Declarations_Assignments_-_Ethicon_inventors_to_Inventors#page8.tif source=Combined_Declarations_Assignments_-_Ethicon_inventors_to_Inventors#page9.tif source=Combined_Declarations_Assignments_-_Ethicon_inventors_to_Inventors#page10.tif source=Combined_Declarations_Assignments_-_Ethicon_inventors_to_Inventors#page10.tif source=Combined_Declarations_Assignments_-_Ethicon_inventors_to_Inventors#page11.tif

source=Combined Declarations Assignments - Ethicon inventors to Inventors#page12.tif

PATENT REEL: 035903 FRAME: 0402

As the below named inventor, I hereby declare that:	

☐ The United States application or PCT international application

number 14/645,796 filed on March 12, 2015.

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

TITLE of Invention: SURGICAL INSTRUMENTS

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, Inc. 4545 Creek Road Cincinnati, Ohio 45242

A corporation of the state or country of Ohio

(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.

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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.

Kevin L. Houser LEGAL NAME OF INVENTOR	_
Signature Signature	<u>MAY 7, 2015</u> Date
ACF	KNOWLEDGMENT
STATE OF <u>OHIO</u> } } SS: COUNTY OF <u>HAMILTON</u> }	
Acknowledged before me, a Notary Public, within a this day of day	nd for said County and State. Witness my hand and Notarial Seal, 2015.
KARA N. TULANKO Notary Public, State of Ohio My Commission Expires May 31, 2019	Notary Public Kara N. Tulanko
My commission expires: May 31, 2019	Printed Name
	2 of 2

TITLE of Invention:	SURGICAL	INSTRUMENTS

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The attached application, or

The United States application or PCT international application number 14/645,796 filed on March 12, 2015.

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A corporation of the state or country of Ohio

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Stephanie J. Muir	
LEGAL NAME OF INVENTOR	
Signature Signature	$\frac{5/12/2015}{\text{Date}}$
ACKN	IOWLEDGMENT
STATE OF OHIO }	
COUNTY OF HAMILTON SS:	
	for said County and State. Witness my hand and Notarial Seal
this 12th day of May,	,2015.
KARA N. TULANKO	Lara Mulanko
★ Notary Public, State of Ohio	Notary Public
My Commission Expires May 31, 2019	Kara N. Tulanko
VE OF ON	Printed Name
My commission expires: May 31, 2019	
My commission expires.	
•	

Attorney Docket No.: END6010USDIV4/070122DIV4
US Application No.: 14/645,796

COMBINED DECLARATION AND ASSIGNMENT

TITLE of Invention: SURGICAL INSTRUMEN	INSTRUMENTS	AL I	SURGIO	Invention:	E of	TITL
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As the below named inventor, I h	ereby dec	clare that:
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Ethicon Endo-Surgery, Inc. 4545 Creek Road Cincinnati, Ohio 45242

A corporation of the state or country of Ohio

(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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ouis T. DeLuca
EGAL NAME OF INVENTOR
John 1: 1/2 Date Date
ignature Date
ACKNOWLEDGMENT
STATE OF TEXAS SS:
Acknowledged before me, a Notary Public, within and for said County and State. Witness my hand and Notarial Seal
this 8th day of May 2015.
ERIN A. BAKER
Notary Public STATE OF TEXAS
My Comm. Exp. 02-09-17 Printed Name
My commission expires: 02/09/17

As the below named inventor, I hereby declare that:	

This declaration is directed to:

The attached application, or

TITLE of Invention: SURGICAL INSTRUMENTS

The United States application or PCT international application

number 14/645,796 filed on March 12, 2015.

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A corporation of the state or country of Ohio

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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.

Daniel W. Price	
LEGAL NAME OF INVENTOR	. —
Denl ush	05/11/15
Signature	· Date
I	
	·
ACTIVAT	IOUI DIGMENT
ACAN	OWLEDGMENT
STATE OF OHIO }	
} SS: COUNTY OF <u>HAMILTON</u> }	
COUNTY OF HAMILTON	
	10 110 10 10 10 10 110 1 1 1 1 1 1 1 1
	for said County and State. Witness my hand and Notarial Seal
this 11th day of May,	2015.
STARYPUS	Kara A. Julanto
KARA N. TULANKO	Notary Public
★ Notary Public, State of Ohlo My Commission Expires	
My Commission Expires	Kara N. Tulanko
May 31, 2019	Printed Name
TEOF OY	
My commission expires: May 31, 2019	

As the below named inventor, I h	iereby de	clare that:	
This declaration is directed to:		The attached application, or	

 \boxtimes The United States application or PCT international application number 14/645,796 filed on March 12, 2015.

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A corporation of the state or country of Ohio

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1 of 2

PATENT

REEL: 035903 FRAME: 0411

Attorney Docket No.: END6010USDIV4/070122DIV4
US Application No.: 14/645,796

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William D. Boyd LEGAL NAME OF INVENTOR	
Signature D. Boys	6/5/15 Date
ACKNOWLEDGN	MENT
STATE OF OHIO } SS: COUNTY OF Warren	
Acknowledged before me, a Notary Public, within and for said Countries day of June, 2015.	unty and State. Witness my hand and Notarial Seal
	Notary Public
Prir	Ward Heilbroner
My commission expires: June 26, 2018	Ward Heilbronner Notary Public, State of Ohio My Commission Expires 06-26-2018

2 of 2

PATENT REEL: 035903 FRAME: 0412

COMBINED DECLARATION AND ASSIGNMENT		
FITLE of Invention: SURGICAL INSTRUMENT		
As the below named inventor, I hereby dec	clare that:	
This declaration is directed to:	The attached application, or	
	The United States application or PCT international application number 14/645,796 filed on March 12, 2015.	
The above-identified application ("Applic	ation") was made or authorized by me.	
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	Ethicon Endo-Surgery, Inc. 4545 Creek Road Cincinnati, Ohio 45242	
Α α	orporation of the state or country of Ohio	
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United States, Patent Cooperation Treaty, Europe continuation, divisional, or reissue applications	n connection with any litigation or any other administrative or judicial proceeding in the can 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 issue pplementary protection certificates of any such applications and to cooperate with the ence and going forward with such litigation or proceeding.	
	1 of 2	

PATENT

REEL: 035903 FRAME: 0413

Attorney Docket No.: END6010USDIV4/070122DIV4
US Application No.: 14/645,796

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Galen C. Robertson LEGAL NAME OF INVENTOR Cal C Par C Signature	3/13/15 Date	
this day of MOSON A CONTRACTOR OF THE COUNTRIBUTION OF THE COUNTRIBUTIO	ACKNOWLEDGMENT SS: NIA within and for said County and State. Witness my hand and Notarial Seal	Q
	2 of 2	

PATENT REEL: 035903 FRAME: 0414