

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4762657

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
FREDERICK E. SHELTON IV	09/29/2015
KATHERINE J. SCHMID	10/01/2015
CHARLES J. SCHEIB	09/29/2015
TAYLOR W. ARONHALT	09/30/2015
JEFFREY S. SWAYZE	09/30/2015
JOSEPH H. CONTILIANO	09/15/2015
CHUNLIN YANG	07/29/2016
CORTNEY E. HENDERSON	10/06/2015
JEFFREY L. ALDRIDGE	09/30/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ETHICON ENDO-SURGERY, INC.
<b>Street Address:</b>	4545 CREEK ROAD
<b>City:</b>	CINCINNATI
<b>State/Country:</b>	OHIO
<b>Postal Code:</b>	45242
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14746387
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(412)355-6501
<i>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.</i>	
<b>Phone:</b>	(412) 355-8276
<b>Email:</b>	piuspatents@klgates.com
<b>Correspondent Name:</b>	CARA M. PINTO
<b>Address Line 1:</b>	210 SIXTH AVENUE
<b>Address Line 2:</b>	K&L GATES CENTER
<b>Address Line 4:</b>	PITTSBURGH, PENNSYLVANIA 15222-2613
<b>ATTORNEY DOCKET NUMBER:</b>	END6843USCNT10/100528CN10
<b>NAME OF SUBMITTER:</b>	CARA M. PINTO

PATENT

<b>SIGNATURE:</b>	/Cara M. Pinto/
<b>DATE SIGNED:</b>	01/05/2018
	This document serves as an Oath/Declaration (37 CFR 1.63).
<b>Total Attachments: 19</b> source=END6843USCNT10-ComboDecAsn-all-inventors#page1.tif source=END6843USCNT10-ComboDecAsn-all-inventors#page2.tif source=END6843USCNT10-ComboDecAsn-all-inventors#page3.tif source=END6843USCNT10-ComboDecAsn-all-inventors#page4.tif source=END6843USCNT10-ComboDecAsn-all-inventors#page5.tif source=END6843USCNT10-ComboDecAsn-all-inventors#page6.tif source=END6843USCNT10-ComboDecAsn-all-inventors#page7.tif source=END6843USCNT10-ComboDecAsn-all-inventors#page8.tif source=END6843USCNT10-ComboDecAsn-all-inventors#page9.tif source=END6843USCNT10-ComboDecAsn-all-inventors#page10.tif source=END6843USCNT10-ComboDecAsn-all-inventors#page11.tif source=END6843USCNT10-ComboDecAsn-all-inventors#page12.tif source=END6843USCNT10-ComboDecAsn-all-inventors#page13.tif source=END6843USCNT10-ComboDecAsn-all-inventors#page14.tif source=END6843USCNT10-ComboDecAsn-all-inventors#page15.tif source=END6843USCNT10-ComboDecAsn-all-inventors#page16.tif source=END6843USCNT10-ComboDecAsn-all-inventors#page17.tif source=END6843USCNT10-ComboDecAsn-all-inventors#page18.tif source=END6843USCNT10-ComboDecAsn-all-inventors#page19.tif	

**COMBINED DECLARATION AND ASSIGNMENT**TITLE of Invention: RETAINER ASSEMBLY INCLUDING A TISSUE THICKNESS COMPENSATOR

As the below named inventor, I hereby declare that:

This declaration is directed to: ☐ The attached application, or  
☒ The United States application or PCT international application  
number 14/746,387 filed on June 22, 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 filings of this Application in the United States of America.

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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 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

Frederick E. Shelton, IV  
Signature

9/28/15  
Date

#### ACKNOWLEDGMENT

STATE OF OHIO }  
COUNTY OF HAMILTON } SS:

Acknowledged before me, a Notary Public, within and for said County and State. Witness my hand and Notarial Seal

this 29<sup>th</sup> day of September, 2015.



KARA N. TULANKO  
Notary Public, State of Ohio  
My Commission Expires  
May 31, 2019

Kara N. Tulanko  
Notary Public

Kara N. Tulanko  
Printed Name

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 Cincinnati, Ohio 45242

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.

Katherine J. Schmid  
LEGAL NAME OF INVENTOR

Katherine J. Schmid  
Signature

10-1-15  
Date

ACKNOWLEDGMENT

STATE OF OHIO }  
COUNTY OF HAMILTON } SS:

Acknowledged before me, a Notary Public, within and for said County and State. Witness my hand and Notarial Seal  
this 1<sup>ST</sup> day of October, 2015.



KARA N. TULANKO  
Notary Public, State of Ohio  
My Commission Expires  
May 31, 2019

Kara N. Tulanko  
Notary Public

Kara N. Tulanko  
Printed Name

My commission expires: May 31, 2019

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Charles J. Scheib

LEGAL NAME OF INVENTOR

Charles J. Scheib

Signature

9/29/2015

Date

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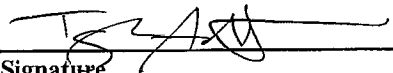
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Taylor W. Aronhalt  
LEGAL NAME OF INVENTOR

  
Signature

9-30-2015  
Date

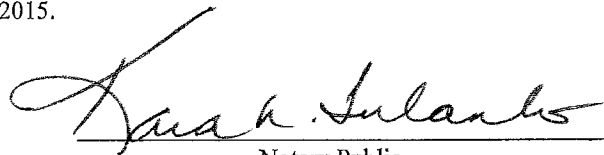
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My Commission Expires  
May 31, 2019

  
Notary Public

KARA N. TULANKO  
Printed Name

My commission expires: 5-31-2019

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Jeffrey S. Swayze

LEGAL NAME OF INVENTOR

*Jeffrey S. Swayze*

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(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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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.

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.

Joseph H. Contiliano  
LEGAL NAME OF INVENTOR

Joseph H. Contiliano  
Signature

September 15, 2015  
Date

ACKNOWLEDGMENT

STATE OF New Jersey SS:  
COUNTY OF SOMERSET

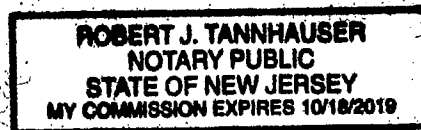
Acknowledged before me, a Notary Public, within and for said County and State. Witness my hand and Notarial Seal  
this 15<sup>th</sup> day of SEPTEMBER, 2015.



Robert J. Tannhauser  
Notary Public

ROBERT J. TANNHAUSER  
Printed Name

My commission expires: OCT 18, 2019



**COMBINED DECLARATION AND ASSIGNMENT**TITLE of Invention: **RETAINER ASSEMBLY INCLUDING A TISSUE THICKNESS COMPENSATOR**

As the below named inventor, I hereby declare that:

This declaration is directed to: ☐ The attached application, or  
☒ The United States application or PCT international application  
number 14/746,387 filed on June 22, 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 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 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.

Chunlin Yang

LEGAL NAME OF INVENTOR

Signature

Date

ACKNOWLEDGMENT

STATE OF \_\_\_\_\_ }  
COUNTY OF \_\_\_\_\_ } SS:

Acknowledged before me, a Notary Public, within and for said County and State. Witness my hand and Notarial Seal

this \_\_\_\_\_ day of \_\_\_\_\_, 2016.

Notary Public

Printed Name

My commission expires: \_\_\_\_\_



# CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

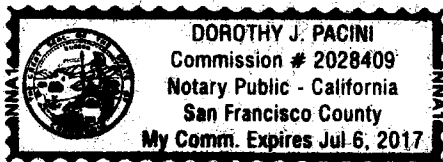
CIVIL CODE § 1189

State of California

County of San Francisco

On July 29, 2016 before me, Dorothy Pacini, Notary Public  
Date Here Insert Name and Title of the Office

personally appeared Chunlin Yang  
Name(s) of Signer(s)



who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature: [Signature]  
Signature of Notary Public

Place Notary Seal Above

## OPTIONAL

*Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.*

### Description of Attached Document

Title or Type of Document: COMBINED DECLARATION AND ASSIGNMENT

Document Date: JULY 29, 2016 Number of Pages: 2

Signer(s) Other Than Named Above: N/A.

### Capacity(ies) Claimed by Signer(s)

Signer's Name: Chunlin Yang.

☐ Corporate Officer — Title(s): \_\_\_\_\_

☒ Individual

☐ Partner — ☐ Limited ☐ General

☐ Attorney in Fact

☐ Trustee

☐ Guardian or Conservator

☐ Other: \_\_\_\_\_

Signer Is Representing: Self

Signer's Name: \_\_\_\_\_

☐ Corporate Officer — Title(s): \_\_\_\_\_

☐ Individual

☐ Partner — ☐ Limited ☐ General

☐ Attorney in Fact

☐ Trustee

☐ Guardian or Conservator

☐ Other: \_\_\_\_\_

Signer Is Representing: \_\_\_\_\_

**COMBINED DECLARATION AND ASSIGNMENT**TITLE of Invention: RETAINER ASSEMBLY INCLUDING A TISSUE THICKNESS COMPENSATOR

As the below named inventor, I hereby declare that:

This declaration is directed to: ☐ The attached application, or

☒ The United States application or PCT international application number 14/746,387 filed on June 22, 2015.

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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 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.

Cortney E. Henderson

LEGAL NAME OF INVENTOR

[Signature]  
Signature

10/6/15  
Date

ACKNOWLEDGMENT

STATE OF OHIO }  
COUNTY OF HAMILTON } SS:

Acknowledged before me, a Notary Public, within and for said County and State. Witness my hand and Notarial Seal  
this 6th day of October, 2015.



KARA N. TULANKO  
Notary Public, State of Ohio  
My Commission Expires  
May 31, 2019

[Signature]  
Notary Public

KARA N. TULANKO  
Printed Name

My commission expires: May 31, 2019

## COMBINED DECLARATION AND ASSIGNMENT

TITLE of Invention: RETAINER ASSEMBLY INCLUDING A TISSUE THICKNESS COMPENSATOR

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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.

Jeffrey L. Aldridge  
LEGAL NAME OF INVENTOR

Jeffrey L. Aldridge  
Signature

9-30-15  
Date

ACKNOWLEDGMENT

STATE OF OHIO }  
COUNTY OF HAMILTON } SS:

Acknowledged before me, a Notary Public, within and for said County and State. Witness my hand and Notarial Seal  
this 30th day of September, 2015.



KARA N. TULANKO  
Notary Public, State of Ohio  
My Commission Expires  
May 31, 2019

Kara N. Tulanko  
Notary Public

KARA N. TULANKO  
Printed Name

My commission expires: 5-31-2019