01/05/2018 504715935

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4762657

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
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

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14746387

CORRESPONDENCE DATA

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) 355-8276

Email: piuspatents@klgates.com

Correspondent Name: CARA M. PINTO Address Line 1: 210 SIXTH AVENUE Address Line 2: **K&L GATES CENTER**

Address Line 4: PITTSBURGH, PENNSYLVANIA 15222-2613

ATTORNEY DOCKET NUMBER:	END6843USCNT10/100528CN10
NAME OF SUBMITTER:	CARA M. PINTO

PAIENI REEL: 044545 FRAME: 0591 504715935

SIGNATURE: /Cara M. Pinto/	
DATE SIGNED:	01/05/2018
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 19	

Total Attachments: 19

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

> PATENT REEL: 044545 FRAME: 0592

US Application No.: 14/746,387

COMBINED DECLARATION AND ASSIGNMENT

TITLE of Invention: RETAINER ASSEMBLY INCLUDING A TISSUE THICKNESS COMPENSATOR

As the below named inventor, I in	ereby dec	raic mat.
This declaration is directed to:		The attached application, or
		The United States application or PCT international application number <u>14/746,387</u> filed on <u>June 22, 2015</u> .

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.

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.

US Application No.: 14/746,387

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	9/25/15
Signature	Date / /
ACKNOV	WLEDGMENT
STATE OF OHIO } SS: COUNTY OF HAMILTON	
Acknowledged before me, a Notary Public, within and for this	r said County and State. Witness my hand and Notarial Seal
KARA N. TULANKO Notary Public, State of Ohio My Commission Expires	Harak Aulanlo Notary Public
May 31, 2019	Kara N. Tulanko Printed Name
My commission expires: May 31, 2019	

Attorney Docket No.: <u>END6843USCNT10/100528CN10</u> US Application No.:<u>14/746,387</u>

COMBINED DECLARATION AND ASSIGNMENT

TITLE of Invention: RETAINER ASSEMBLY INCLUDING A TISSUE THICKNESS COMPENSATOR

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I hereby acknowledge that any wi imprisonment of not more than five (5) year	illful false rs, or botl	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 considerat and/or have sold, assigned, transferred and		sufficiency of which is acknowledged, I hereby sell, assign, transfer and set over to o:
		Ethicon Endo-Surgery, Inc. 4545 Creek Road Cincinnati, Ohio 45242
	A cor	poration of the state or country of Ohio
for other countries arising therefrom, all in European Patent Office and of all other countem, all such inventions or discoveries and thereof, and to all Letters Patent that may protection certificates, reexaminations, rene	wentions untries, in all right be grant ewals, and ch such L	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, including 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 and for said inventions and discoveries, and in and to all extensions, supplementary direissues thereof, to be held and enjoyed by Assignee for its own use and enjoyment letters Patent may be granted, as fully and entirely as the same would have been held at been made.
European Patent Office and any other forei of any of such applications, and any patent	gn countr t term ext	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 Treaty, I continuation, divisional, or reissue applicatherefrom and any patent term extensions	European ations the or supple	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.
		1 of 2

PATENT REEL: 044545 FRAME: 0595

US Application No.: 14/746,387

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.

Katherine J. Schmid LEGAL NAME OF INVENTOR	
Katherine J. Sol	10-1-15
Signature	Date
ACKI	NOWLEDGMENT
STATE OF <u>OHIO</u> }	
} SS: COUNTY OF <u>HAMILTON</u> }	
Acknowledged before me, a Notary Public, within and this day of KARA N. TULANKO Notary Public, State of Ohio My Commission Expires May 31, 2019	d for said County and State. Witness my hand and Notarial Seal , 2015. Lack Lulante Notary Public Kara N. Tulanko Printed Name

Attorney Docket No.: <u>END6843USCNT10/100528CN10</u> US Application No.:<u>14/746,387</u>

COMBINED DECLARATION AND ASSIGNMENT

TITLE of Invention: RETAINER ASSEMBLY INCLUDING A TISSUE THICKNESS COMPENSATOR

As the below named inventor, I h	ereby dec	clare 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	("Applica	ation") was made or authorized by me.
I believe that I am the original inv	entor or	an original inventor of a claimed invention or discovery in the Application.
I have reviewed and understood information which is material to patentab this Application in the United States of Ar	lity 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 w imprisonment of not more than five (5) year	illful falars, 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.
For good and valuable considera and/or have sold, assigned, transferred and		sufficiency of which is acknowledged, I hereby sell, assign, transfer and set over to to:
		Ethicon Endo-Surgery, Inc. 4545 Creek Road
		Cincinnati, Ohio 45242
	A co	orporation of the state or country of Ohio
for other countries arising therefrom, all i European Patent Office and of all other of them, all such inventions or discoveries and thereof, and to all Letters Patent that may protection certificates, reexaminations, ren	nvention ountries, and all right y be granted and the granted are wals, and the such	re right, title, and interest in, to, and under the Application, including all priority rights s 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 hts in such Application including any and all substitutions, divisions, and continuations need for said inventions and discoveries, and in and to all extensions, supplementary nd reissues thereof, to be held and enjoyed by Assignee for its own use and enjoyment 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 fore of any of such applications, and any pater	ign coun it term ex	in connection with the Application in the United States, Patent Cooperation Treaty, tries and any continuing, divisional, or reissue applications thereof, any reexamination xtensions or supplementary protection certificates of any such applications and also to uch applications as the Assignee may deem necessary or expedient.
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		1 of 2

PATENT REEL: 044545 FRAME: 0597

US Application No.: 14/746,387

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.

9/29/2015
Date
WLEDGMENT
r said County and State. Witness my hand and Notarial Seal 115. Notary Public Kara N. Tulanko Printed Name
1

US Application No.:14/746,387

COMBINED DECLARATION AND ASSIGNMENT

TITLE of Invention: RETAINER ASSEMBLY INCLUDING A TISSUE THICKNESS COMPENSATOR

.... 1 tour stan. I benefit dealong that

As the below named inventor, I hereby declare 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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US Application No.:14/746,387

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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.

Taylor W.	Aronhalt	

LEGAL NAME OF INVENTOR

Signature

9-30-2015

Date

ACKNOWLEDGMENT

STATE OF

OHIO

SS:

COUNTY OF

HAMILTON?

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

Notary Public

* N

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

KARA W. T

Printed Name

My commission expires:

5-31-2019

US Application No.:14/746,387

COMBINED DECLARATION AND ASSIGNMENT

TITLE of Invention: RETAINER ASSEMBLY INCLUDING A TISSUE THICKNESS COMPENSATOR

As the below named inventor, I h	ereby dec	lare that:		
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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				
		Cinomiau, Onio 43242		
	A cor	poration of the state or country of Ohio		
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Jeffrey S. Swayze LEGAL NAME OF INVENTOR	
allres and	9-30-2015
Signature	Date
L GYP	YOUNG THE CLASS AT THE
ACKN	NOWLEDGMENT
STATE OF OHIO } SS:	
COUNTY OF HAMILTON	
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.
AY P//	
	Hank. Julanto
* KARA N. TULANKO Notary Public, State of Ohio	Notary Public
My Commission Expires	
May 31, 2019	Kara N. Tulanko Printed Name
TEOFOL	Finited Name
My commission expires: May 31, 2019	

Attorney Docket No.: <u>END6843USCNT10/100528CN10</u>
US Application No.: <u>14/746,387</u>

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For good and valuable considera and/or have sold, assigned, transferred and	tion, the set over	sufficiency of which is acknowledged, I hereby sell, assign, transfer and set over to to:		
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	A co	rporation of the state or country of Ohio		
for other countries arising therefrom, all in European Patent Office and of all other co them, all such inventions or discoveries and thereof, and to all Letters Patent that may protection certificates, reexaminations, ren-	nventions untries, in all right be gran ewals, and the such	re right, title, and interest in, to, and under the Application, including all priority rights is 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 its in such Application including any and all substitutions, divisions, and continuations atted 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 Letters Patent may be granted, as fully and entirely as the same would have been held not been made.		
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COMBINED DECLARATION AND ASSIGNMENT

1 of 2

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US Application No.: <u>14/746,387</u>

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.

Tosanh II Cantillana

LEGAL NAME OF INVENTOR	
Josh It Palitan	Dykense 15, 2015
Signature	Date
/ A	CKNOWLEDGMENT
STATE OF NEW JENSEY SS:	
SS:	
COUNTY OF EXPRESSES	
Acknowledged before me a Notary Public within	n and for said County and State. Witness my hand and Notarial Seal
this 15th day of SEATEMBER	
this day of	, 2015.
William Post	1 Andrews
THE STATE OF THE S	Kohut / Chaham
2 2 6	Notary Public
6 3 E	ROBERT J. TANNHAUSER
The state of the s	Printed Name
All Hability	
My commission expires: OCT 18, 2019	ROBERT J. TANNHAUSER
	NOTARY PUBLIC STATE OF NEW JERSEY
	MY COMMISSION EXPIRES 10/18/2019

US Application No.:14/746,387

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
		\boxtimes	The United States application or PCT international application number <u>14/746,387</u> filed on <u>June 22, 2015</u> .
~	The above-identified application ('	'Applicat	ion") 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.		
		ity as def	ats 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
impriso			e statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or a for filings of this Application in the United States of America.
and/or h	For good and valuable considerations as sold, assigned, transferred and states are sold.		ufficiency of which is acknowledged, I hereby sell, assign, transfer and set over to o:

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.

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.

US Application No.: 14/746,387

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.

Chunlin Yang LEGAL NAME OF INVI	ENTOR	 Da	7/29/2016	_
	SS: Sfore me, a Notary Public, within an	NOWLEDGMENT d for said County and _, 2016.	State. Witness my hand and Notarial Se	eal
My commission expires:	Cto Maria	Printed Nam	Notary Public	
		2 of 2		

	· ·
County of San Francisco	}
71.00	<u></u>
On July 29, 2016 before me, Doro	Here Insert Name and Title of the Office
personally appeared Chunlin Us	
	Name(s) of Signer(s)
	-
DOROTHY J. PACINI Commission # 2028409 Notary Public - California San Francisco County My Comm. Expires Jul 6, 2017	who proved to me on the basis of satisfactor evidence to be the person(s) whose name(s) is/arc subscribed to the within instrument and acknowledged to me that ne/she/they executed the same in his/ner/their authorized capacity(ies), and that by 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.
Diago Natary Cool Above	Signature: Signature of Notary Public
Place Notary Seal Above	
OPTIC	ONAL ——————
Though the information below is not required by law	v, it may prove valuable to persons relying on the document d reattachment of this form to another document.
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PATENT REEL: 044545 FRAME: 0607

US Application No.: 14/746,387

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 considerations sold, assigned, transferred and so		ufficiency of which is acknowledged, I hereby sell, assign, transfer and set over to o:		

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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Attorney Docket No.: END6843USCNT10/100528CN10
US Application No.:14/746,387

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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.

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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	10/6/15 Date
	JOWLEDGMENT
SS: COUNTY OF HAMILTON Acknowledged before me, a Notary Public, within and	1 for said County and State. Witness my hand and Notarial Seal , 2015. Lack Lulands Notary Public
My commission expires: May 31, 2019	

US Application No.:<u>14/746,387</u>

COMBINED DECLARATION AND ASSIGNMENT

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

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US Application No.: 14/746,387

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Jeffrey L. Aldridge

LEGAL NAME OF INVENTOR

ACKNOWLEDGMENT

STATE OF

SS:

COUNTY OF

HAMILTON}

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

this

Notary Public

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

May 31, 2019

My commission expires:

5.31-2019