504772162 02/09/2018

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4818890

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
JEFFREY D. MESSERLY	09/11/2015
EITAN T. WIENER	09/04/2015
JEFFREY L. ALDRIDGE	09/02/2015
JAMES R. GIORDANO	09/02/2015
DANIEL J. ABBOTT	01/10/2018
FOSTER B. STULEN	09/02/2015
MATTHEW C. MILLER	09/02/2015
AARON C. VOEGELE	09/02/2015
JEFFREY P. WILEY	09/02/2015
NATHAN J. PRICE	02/15/2016
DANIEL W. PRICE	09/02/2015
ROBERT L. KOCH JR.	09/02/2015

## **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:	14810318

## **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
K&L GATES CENTER

504772162 REEL: 045297 FRAME: 0926

PATENT

Address Line 4:	PITTSBURGH, PENNSYLVANIA 15222-2613	
ATTORNEY DOCKET NUMBER:	END6427USDIV9/080591DIV9	
NAME OF SUBMITTER:	CARA M. PINTO	
SIGNATURE:	/Cara M. Pinto/	
DATE SIGNED:	02/09/2018	
	This document serves as an Oath/Declaration (37 CFR 1.63).	

# **Total Attachments: 24**

source=END6427USDIV9-Combined-Declarations-Assignments-Most-Inventors#page1.tif source=END6427USDIV9-Combined-Declarations-Assignments-Most-Inventors#page2.tif source=END6427USDIV9-Combined-Declarations-Assignments-Most-Inventors#page3.tif source=END6427USDIV9-Combined-Declarations-Assignments-Most-Inventors#page4.tif source=END6427USDIV9-Combined-Declarations-Assignments-Most-Inventors#page5.tif source=END6427USDIV9-Combined-Declarations-Assignments-Most-Inventors#page6.tif source=END6427USDIV9-Combined-Declarations-Assignments-Most-Inventors#page7.tif source=END6427USDIV9-Combined-Declarations-Assignments-Most-Inventors#page8.tif source=END6427USDIV9-Combined-Declarations-Assignments-Most-Inventors#page9.tif source=END6427USDIV9-Combined-Declarations-Assignments-Most-Inventors#page10.tif source=END6427USDIV9-Combined-Declarations-Assignments-Most-Inventors#page11.tif source=END6427USDIV9-Combined-Declarations-Assignments-Most-Inventors#page12.tif source=END6427USDIV9-Combined-Declarations-Assignments-Most-Inventors#page13.tif source=END6427USDIV9-Combined-Declarations-Assignments-Most-Inventors#page14.tif source=END6427USDIV9-Combined-Declarations-Assignments-Most-Inventors#page15.tif source=END6427USDIV9-Combined-Declarations-Assignments-Most-Inventors#page16.tif source=END6427USDIV9-Combined-Declarations-Assignments-Most-Inventors#page17.tif source=END6427USDIV9-Combined-Declarations-Assignments-Most-Inventors#page18.tif source=END6427USDIV9-Combined-Declarations-Assignments-Most-Inventors#page19.tif source=END6427USDIV9-Combined-Declarations-Assignments-Most-Inventors#page20.tif source=END6427USDIV9-Combined-Declarations-Assignments-Most-Inventors#page21.tif source=END6427USDIV9-Combined-Declarations-Assignments-Most-Inventors#page22.tif source=END6427USDIV9-Combined-Declarations-Assignments-Most-Inventors#page23.tif source=END6427USDIV9-Combined-Declarations-Assignments-Most-Inventors#page24.tif

> PATENT REEL: 045297 FRAME: 0927

Attorney Docket No.: <u>END6427USDIV9/080591DIV9</u> US Application No.: <u>14/810,318</u>

# COMBINED DECLARATION AND ASSIGNMENT

TITLE	of Invention: <b>DEVICES AND TE</b>	CHNIQU	JES FOR CUTTING AND COAGULATING TISSUE
	As the below named inventor, I l	nereby dec	clare that:
	This declaration is directed to:		The attached application, or
			The United States application or PCT international application number <u>14/810,318</u> filed on <u>July 27, 2015</u> .
	The above-identified application	("Applica	ation") was made or authorized by me.
	I believe that I am the original in	ventor or	an original inventor of a claimed invention or discovery in the Application.
inform this A	I have reviewed and understood ation which is material to patental pplication in the United States of A	oility as de	ents of the Application, including the claims, and I acknowledge the duty to disclose efined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of
impriso	I hereby acknowledge that any vonment of not more than five (5) ye	willful fals ears, or bot	se statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or the for filings of this Application in the United States of America.
and/or	For good and valuable consider have sold, assigned, transferred and	ation, the	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	rporation of the state or country of Ohio
for oth Europe them, a thereof protect to the f	er countries arising therefrom, all an Patent Office and of all other call such inventions or discoveries and and to all Letters Patent that mation certificates, reexaminations, re-	inventions countries, ind all right by be grannewals, and ich such l	re 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 ited 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 ot been made.
of any	an Patent Office and any other force of such applications, and any pate	eign count nt term ex	n 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 ch applications as the Assignee may deem necessary or expedient.
continu herefr	States, Patent Cooperation Treaty, lation, divisional, or reissue appli om and any patent term extension	Europear cations the sor supplies	connection with any litigation or any other administrative or judicial proceeding in the a 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 lementary protection certificates of any such applications and to cooperate with the ce and going forward with such litigation or proceeding.

US Application No.: 14/810,318

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.

<b>Jeffrey</b>	D.	Messerly

LEGAL NAME OF INVENTOR

SEPTEMBER 11, 2015

ACKNOWLEDGMENT

STATE OF

SS:

COUNTY OF

Acknowledged before me, a Notary Public, within and 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

Kara N. Tulanko

Notary Public

Printed Name

My commission expires:\_\_

May 31, 2019

Attorney Docket No.: END6427USDIV9/080591DIV9
US Application No.: 14/810,318

COM	SINED	DECLARATION AND ASSIGNMENT
TITLE of Invention: <b>DEVICES AND TEC</b>	CHNIQU	JES FOR CUTTING AND COAGULATING TISSUE
As the below named inventor, I he	reby dec	lare that:
This declaration is directed to:		The attached application, or
	$\boxtimes$	The United States application or PCT international application number 14/810,318 filed on July 27, 2015.
The above-identified application (	'Applica	tion") was made or authorized by me.
I believe that I am the original inve	entor or a	an original inventor of a claimed invention or discovery in the Application.
I have reviewed and understood to information which is material to patentabil this Application in the United States of Am	ity 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
I hereby acknowledge that any wi imprisonment of not more than five (5) year	llful fals	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 considerati and/or have sold, assigned, transferred and s		sufficiency of which is acknowledged, I hereby sell, assign, transfer and set over to
		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	ventions intries, in all right be grant wals, and th 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, 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 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 letters Patent may be granted, as fully and entirely as the same would have been held to been made.
European Patent Office and any other foreig of any of such applications, and any patent	n countr 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, Econtinuation, divisional, or reissue applicatherefrom and any patent term extensions	turopean tions 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.

1 of 2

**PATENT** REEL: 045297 FRAME: 0930

US Application No.: 14/810,318

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.

Eitan T. Wiener	_
LEGAL NAME OF INVENTOR	
Mier S. Lan	9/4/15
Signature	Date
<u> </u>	

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

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

Notary Public

Kara N. Tulanko

Printed Name

My commission expires:

May 31, 2019

Attorney Docket No.:  $\frac{\text{END6427USDIV9/080591DIV9}}{\text{US Application No.: } \underline{14/810,318}}$ 

	COMBINED	DECLARATION AND ASSIGNMENT
TITLE of Invention: <b>DEVICES AN</b>	<u>D TECHNIQU</u>	TES FOR CUTTING AND COAGULATING TISSUE
As the below named invent	or, I hereby dec	lare that:
This declaration is directed	to:	The attached application, or
	$\boxtimes$	The United States application or PCT international application number <u>14/810,318</u> filed on <u>July 27, 2015</u> .
The above-identified applic	ation ("Applica	tion") was made or authorized by me.
I believe that I am the origin	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 pat this Application in the United States	entability as de	ents 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
I hereby acknowledge that imprisonment of not more than five (	any willful fals  (5) years, or bot	e statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine on the for filings of this Application in the United States of America.
For good and valuable con and/or have sold, assigned, transferre		sufficiency of which is acknowledged, I hereby sell, assign, transfer and set over to:
		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 European Patent Office and of all of them, all such inventions or discover thereof, and to all Letters Patent that protection certificates, reexamination	, all inventions her countries, in ies and all right it may be grants, renewals, and 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 or 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 d 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 to been made.
European Patent Office and any other	r foreign counts patent term ext	a 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 the applications as the Assignee may deem necessary or expedient.
United States, Patent Cooperation Tr continuation, divisional, or reissue a therefrom and any patent term exter	eaty, European applications the assions 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.

US Application No.: 14/810,318

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.

Jeffrey L. Aldridge LEGAL NAME OF INVENTOR	_
Jeffry L. Aldridge Signature	9-2-15 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	d for said County and State. Witness my hand and Notarial Seal
KARA N. TULANKO Notary Public, State of Ohio	Motary Public
My Commission Expires May 31, 2019	Kara N. Tulanko Printed Name
My commission expires: May 31, 2019	

US Application No.: 14/810,318

# COMBINED DECLARATION AND ASSIGNMENT

TITLE of Invention: <b>DEVICES AND TE</b>	CHNIQU	JES FOR CUTTING AND COAGULATING TISSUE
As the below named inventor, I h	ereby dec	clare that:
This declaration is directed to:		The attached application, or
	$\boxtimes$	The United States application or PCT international application number 14/810,318 filed on July 27, 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 nformation which is material to patentable his Application in the United States of An	ility as de	ents of the Application, including the claims, and I acknowledge the duty to disclose efined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of
I hereby acknowledge that any warmprisonment of not more than five (5) year	rillful fals ars, or bo	se statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or th for filings of this Application in the United States of America.
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:
		Ethicon Endo-Surgery, Inc. 4545 Creek Road Cincinnati, Ohio 45242
	A co	rporation of the state or country of Ohio
for other countries arising therefrom, all is European Patent Office and of all other contemp, all such inventions or discoveries and hereof, and to all Letters Patent that may protection certificates, recognitions, representations, representations, representations.	nvention ountries, and all right y be grant newals, and ich 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 its in such Application including any and all substitutions, divisions, and continuations ated 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.
European Patent Office and any other fore	ign coun it term ex	n connection with the Application in the United States, Patent Cooperation Treaty, tries and any continuing, divisional, or reissue applications thereof, any reexamination attensions or supplementary protection certificates of any such applications and also to ch applications as the Assignee may deem necessary or expedient.
United States, Patent Cooperation Treaty, continuation, divisional, or reissue applicheration, and any patent term extensions	Europea ations the or supr	connection with any litigation or any other administrative or judicial proceeding in the n Patent Office and any other foreign countries concerning the Application(s) or any nereof, or any reexamination of any such applications, or any Letters Patent issued elementary protection certificates of any such applications and to cooperate with the ce and going forward with such litigation or proceeding.

US Application No.: 14/810,318

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.

James	R.	Giordano

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

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

May 31, 2019

Notary Public

Kara N. Tulanko

Printed Name

My commission expires:

May 31, 2019

Attorney Docket No.: END6427USDIV9/080591DIV9
US Application No.: 14/810,318

#### COMBINED DECLARATION AND ASSIGNMENT

# TITLE of Invention: DEVICES AND TECHNIQUES FOR CUTTING AND COAGULATING TISSUE

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 14/810.318 filed on July 27, 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.

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.

Attorney Docket No.: END6427USDIV9/080591DIV9
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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.

MENT
nty and State. Witness my hand and Notarial S
Notary Public
Rhaefn Gersell ed Name
•
1

US Application No.: <u>14/810,318</u>

# COMBINED DECLARATION AND ASSIGNMENT

TITLE of Invention: <b>DEVICES AND TE</b>	CHNIQI	JES FOR CUTTING AND COAGULATING TISSUE
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I hereby acknowledge that any w imprisonment of not more than five (5) year	illful fals rs, or bot	se statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or th for filings of this Application in the United States of America.
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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, rene	ventions untries, i all right be gran ewals, an	re 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 ted 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 on been made.
European Patent Office and any other foreign of any of such applications, and any patent	gn count term ex	n 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 the 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 tions the or suppl	connection 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 lementary protection certificates of any such applications and to cooperate with the e and going forward with such litigation or proceeding.

US Application No.: 14/810,318

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.

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I hereby grant the attorney of record the power to insert on this assignment any further identification which may be necessary or desirable in order to obtain legal recordation of this document.

LEGAL NAME OF INVENTOR	<del></del>
Gosten B Stre	9/2/2015
Signature	Date
	ACKNOWLEDGMENT
STATE OF OHIO}	
STATE OF OTHO 3	·
COUNTY OF <u>HAMILTON</u> }	
Acknowledged before me, a Notary Public, with day of September  KARA N. TULANKO Notary Public, State of Ohio My Commission Expires May 31, 2019	hin and for said County and State. Witness my hand and Notarial Seal
My commission expires: May 31, 2019	

US Application No.: 14/810,318

# COMBINED DECLARATION AND ASSIGNMENT

TITLE of Invention: <u>DEVICES AND TE</u>	CHNIQU	ES FOR CUTTING AND COAGULATING TISSUE												
As the below named inventor, I he	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 <u>14/810,318</u> filed on <u>July 27, 2015</u> .													
The above-identified application (	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 information which is material to patentabithis Application in the United States of Ar	lity 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												
I hereby acknowledge that any w imprisonment of not more than five (5) year	illful false rs, or both	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.												
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 corp	poration 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 dall rights 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, acluding Canada, which may be granted for such inventions or discoveries, or any of is in such Application including any and all substitutions, divisions, and continuations ed for said inventions and discoveries, and in and to all extensions, supplementary it reissues thereof, to be held and enjoyed by Assignee for its own use and enjoyment etters Patent may be granted, as fully and entirely as the same would have been held to been made.												
European Patent Office and any other foreign of any of such applications, and any patent	gn countri	connection with the Application in the United States, Patent Cooperation Treaty, ies and any continuing, divisional, or reissue applications thereof, any reexamination ensions or supplementary protection certificates of any such applications and also to applications as the Assignee may deem necessary or expedient.												
United States, Patent Cooperation Treaty, continuation, divisional, or reissue applications 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 reof, 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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US Application No.: 14/810,318

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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.

atthew C. Miller GAL NAME OF INVENTOR	_
	9-2-15
nature	Date
AC	KNOWLEDGMENT
STATE OF OHIO }	
} SS: COUNTY OF <u>HAMILTON</u> }	
A 1	and for said County and State. Witness my hand and Notarial Sea
acknowledged before me, a Notary Public, within a 2nd day of September	
KARA N. TULANKO	Larah Inlanto
★ Notary Public, State of Ohio	Notary Public
My Commission Expires May 31, 2019	Kara N. Tulanko
TE OF OTHER	Printed Name

US Application No.: 14/810,318

# COMBINED DECLARATION AND ASSIGNMENT

TITLE	of Invention: DEVICES AND TEC	CHNIQU	ES FOR CUTTING AND COAGULATING TISSUE
	As the below named inventor, I he	ereby decl	are that:
	This declaration is directed to:		The attached application, or
		$\boxtimes$	The United States application or PCT international application number 14/810.318 filed on July 27, 2015.
	The above-identified application (	"Applicat	ion") was made or authorized by me.
	I believe that I am the original inv	entor or a	n original inventor of a claimed invention or discovery in the Application.
informathis A	I have reviewed and understood tation which is material to patentable oplication in the United States of An	lity 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
impriso	I hereby acknowledge that any wonment of not more than five (5) yea	illful falsers, or both	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	For good and valuable considerat have sold, assigned, transferred and	ion, the s set over t	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 othe Europe them, a thereof protecti to the f	er countries arising therefrom, all in an Patent Office and of all other co- ill such inventions or discoveries and and to all Letters Patent that may fon certificates, reexaminations, rend	wentions untries, in all right be grant ewals, and che 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, acluding 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 ed for said inventions and discoveries, and in and to all extensions, supplementary it reissues thereof, to be held and enjoyed by Assignee for its own use and enjoyment etters Patent may be granted, as fully and entirely as the same would have been held to been made.
of anv	an Patent Office and any other foreign of such applications, and any patent	gn countr : term ext	connection with the Application in the United States, Patent Cooperation Treaty, ies and any continuing, divisional, or reissue applications thereof, any reexamination ensions or supplementary protection certificates of any such applications and also to a applications as the Assignee may deem necessary or expedient.
United	I agree to execute all papers neces States. Patent Cooperation Treaty. I	sary in co European	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

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.

Attorney Docket No.: END6427USDIV9/080591DIV9
US Application No.: 14/810,318

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.

Aaron C. Voegele	
LEGAL NAME OF INVENTOR  Oaso C Vorgelo  Signature	9/2/2015 Date
	OWLEDGMENT
STATE OF OHIO } SS: COUNTY OF HAMILTON	
and C	1 for said County and State. Witness my hand and Notarial Seal , 2015.
* KARA N. TULANKO Notary Public, State of Ohio My Commission Expires	Notary Public  Kara N. Tulanko
May 31, 2019  My commission expires:  May 31, 2019	Printed Name

US Application No.: 14/810,318

# COMBINED DECLARATION AND ASSIGNMENT

TITLE of Invention:	DEVICES AND	TECHNIQUES FOR	<b>CUTTING AND</b>	COAGULATING TISSUE

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>14/810,318</u> filed on <u>July 27, 2015</u> .									
on 1 11 10 1 11 1	/66 A 1! -	the man and an authorized by									

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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US Application No.: <u>14/810,318</u>

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LEGAL NAME OF INVENTOR	<del></del>
Signature Ciling	9-2-2015 Date
A	.CKNOWLEDGMENT
STATE OF OHIO } SS: COUNTY OF HAMILTON	
Acknowledged before me, a Notary Public, within this and day of September	n and for said County and State. Witness my hand and Notarial Seal, 2015.
* KARA N. TULANKO Notary Public, State of Ohio My Commission Expires	Harah Inlanks Notary Public
May 31, 2019	Kara N. Tulanko Printed Name
My commission expires: May 31, 2019	

US Application No.: 14/810,318

## COMBINED DECLARATION AND ASSIGNMENT

## TITLE of Invention: DEVICES AND TECHNIQUES FOR CUTTING AND COAGULATING TISSUE

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A corporation of the state or country of Ohio

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2-15-201 <b>g</b> Date
)WLEDGMENT
or said County and State. Witness my hand and Notarial
Watele Chale
Notary Public <sup>O</sup>
Vatalic Ayala Printed Name

2 of 2

PATENT REEL: 045297 FRAME: 0947

Attorney Docket No.: <u>END6427USDIV9/080591DIV9</u> US Application No.: <u>14/810,318</u>

COMBINED DECLARATION AND ASSIGNMENT				
TITLE of Invention: <u>DEVICES AND TE</u>	CHNIQ	UES FOR CUTTING AND COAGULATING TISSUE		
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		Ethicon Endo-Surgery, Inc. 4545 Creek Road Cincinnati, Ohio 45242		
,	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, i d all right be gran wals, an ch such l	re 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 ted for said inventions and discoveries, and in and to all extensions, supplementary did 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 of been made.		
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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	_
Dail whi	09/02/15
Signature	Date
AC	KNOWLEDGMENT
STATE OF <u>OHIO</u> } } SS:	
COUNTY OF HAMILTON	
Acknowledged before me, a Notary Public, within a day of Suptember  KARA N. TULANKO Notary Public, State of Ohio My Commission Expires May 31, 2019  My commission expires:  May 31, 2019	
	2 of 2

Attorney Docket No.: <u>END6427USDIV9/080591DIV9</u> US Application No.: <u>14/810,318</u>

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This declaration is directed to:   The attached application, or	•		
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I have reviewed and understood the contents of the Application, includinformation which is material to patentability as defined in Title 37, the United this Application in the United States of America.	ling the claims, and I acknowledge the duty to disclose States Code of Federal Regulations, §1.56 for filings of		
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For good and valuable consideration, the sufficiency of which is acknown and/or have sold, assigned, transferred and set over to:	owledged, I hereby sell, assign, transfer and set over to		
Ethicon Endo-Surgery, In 4545 Creek Road Cincinnati, Ohio 45242	2.		
A corporation of the state or count	ry of <u>Ohio</u>		
(hereinafter designated as the "Assignee"), my entire right, title, and interest in, to for other countries arising therefrom, all inventions or discoveries therein disclose European Patent Office and of all other countries, including Canada, which may them, all such inventions or discoveries and all rights in such Application includithereof, and to all Letters Patent that may be granted for said inventions and opposed to the full end of the term or terms for which such Letters Patent may be granted and enjoyed by them had this assignment and sale not been made.	sed, and any and all Letters Patent of the United States, be granted for such inventions or discoveries, or any of ng any and all substitutions, divisions, and continuations liscoveries, and in and to all extensions, supplementary and enjoyed by Assignee for its own use and enjoyment		
I agree to execute all papers necessary in connection with the Applic European Patent Office and any other foreign countries and any continuing, divis of any of such applications, and any patent term extensions or supplementary prexecute separate assignments in connection with such applications as the Assigned	ional, or reissue applications thereof, any reexamination otection certificates of any such applications and also to		
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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.

Robert L. Koch, Jr.	
LEGAL NAME OF INVENTOR	
Rollth Koolh	9/2/15
Signature	Date

ACKNOWLEDGMENT

STATE OF

SS:

COUNTY OF

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

Notary Public

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

Kara N. Tulanko

Printed Name

My commission expires: May 31, 2019