10/05/2016 504036452

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4083114

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JEFFREY D. MESSERLY	12/15/2015
BRIAN D. BERTKE	02/08/2016
KARALYN R. TELLIO	02/05/2016
EITAN T. WIENER	02/17/2016
DAVID C. YATES	12/18/2015
JEFFREY L. ALDRIDGE	01/29/2016
FOSTER B. STULEN	12/17/2015
JAMES R. GIORDANO	12/16/2015

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:	14929971

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) 355-6423

Email: piuspatents@klgates.com **Correspondent Name:** ROBERTO CAPRIOTTI Address Line 1: 210 SIXTH AVENUE Address Line 2: **K&L GATES CENTER**

Address Line 4: PITTSBURGH, PENNSYLVANIA 15222-2613

ATTORNEY DOCKET NUMBER:	END7126USCNT1/120116CON1
NAME OF SUBMITTER:	ROBERTO CAPRIOTTI
SIGNATURE:	/Roberto Capriotti/

REEL: 039940 FRAME: 0205 504036452

PAIENI

DATE SIGNED:	10/05/2016
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 16	
source=signed_Combined_Declarations	_Assignments#page1.tif
source=signed_Combined_Declarations	_Assignments#page2.tif
source=signed_Combined_Declarations_Assignments#page3.tif	
source=signed_Combined_Declarations	_Assignments#page4.tif
source=signed_Combined_Declarations	_Assignments#page5.tif
source=signed_Combined_Declarations	_Assignments#page6.tif
source=signed_Combined_Declarations	_Assignments#page7.tif
source=signed_Combined_Declarations	_Assignments#page8.tif
source=signed_Combined_Declarations	_Assignments#page9.tif
source=signed_Combined_Declarations	_Assignments#page10.tif
source=signed_Combined_Declarations	_Assignments#page11.tif
source=signed_Combined_Declarations	_Assignments#page12.tif
source=signed_Combined_Declarations	_Assignments#page13.tif
source=signed_Combined_Declarations	_Assignments#page14.tif
source=signed_Combined_Declarations	_Assignments#page15.tif

source=signed_Combined_Declarations_Assignments#page16.tif

COMBINED DECLARATION AND ASSIGNMENT		
Title of Invention: <u>DEVICES AND TECHNIQUES FOR C</u>	CUTTING AND COAGULATING TISSUE	
This declaration and assignment is directed to:		
The attached	or filed herewith application of (list of named inventors),	
or		
	States application or PCT international application 29,971 filed on November 2, 2015.	
Declaration		
As the below named inventor, I hereby declare that:		
The above-identified application ("Application") was made	le or authorized by me.	
I believe that I am the original inventor or an original inve	entor 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.		
Assignment Ethicon En	do-Surgery, Inc.	
4545 (Creek Road ti, Ohio 45242	
A corporation of the	state or country of Ohio	
(hereinafter design	ated as the "Assignee"),	
I hereby acknowledge that I have assigned the above-ide which is hereby conformed for recordation in the US Patent Office	ntified invention by previous assignment (attached hereto) to Assignee and I confirm I have and do assign and transfer:	
or		
For good and valuable consideration, the sufficiency of assigned and transferred to Assignee:	f which is acknowledged, I hereby assign and transfer and/or have	
the right to claim priority to the Application, all inventions or disc States, European Patent Office and of all other countries, which such inventions or discoveries and all rights in such Applicat continuations thereof, and to all Letters Patent that may be gran supplementary protection certificates, reexaminations, renewals, as	n, including all priority rights for other countries arising therefrom and coveries therein disclosed, and any and all Letters Patent of the United may be granted for such inventions or discoveries, or any of them, all ion including any and all provisionals, substitutions, divisions, and ited for said inventions and discoveries, and in and to all extensions, and reissues thereof, to be held and enjoyed by Assignee for its own use Letters Patent may be granted, as fully and entirely as the same would be been made.	
Pag	e 1 of 2	

PATENT

US Application No.: 14/929,971

I shall execute all papers necessary in connection with the Application in the United States Patent and Trademark Office, European Patent Office, any other patent offices, and under the Patent Cooperation Treaty, 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 shall execute all papers necessary in connection with any litigation or any other judicial proceeding in the United States or other country, or any administrative proceeding in the United States Patent and Trademark Office, European Patent Office, any other patent office, or under the Patent Cooperation Treaty 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 or 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 shall 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 shall 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, by the 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 Assignee, and (ii) 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 D. Messerly

LEGAL NAME OF INVENTOR

Signature

12/15/2015

Date

COMBINED DECLARATION AND ASSIGNMENT

Tital of Language and English	MOVING BOD CHIEFING AND COACHI ARVING BIGGIE
	IQUES FOR CUTTING AND COAGULATING TISSUE
This declaration and assignment is directed to:	
	The attached or filed herewith application of (list of named inventors),
or	
	The United States application or PCT international application number 14/929,971 filed on November 2, 2015.
Declaration	
As the below named inventor, I hereby de	clare that:
The above-identified application ("Applic	ation") 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.
	ents of the Application, including the claims, and I acknowledge the duty to disclose lefined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of
	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.
Assignment	
	Ethicon Endo-Surgery, Inc. 4545 Creek Road
	Cincinnati, Ohio 45242
A co	orporation of the state or country of Ohio
(he	ereinafter designated as the "Assignee"),
	d the above-identified invention by previous assignment (attached hereto) to Assignee IS Patent Office and I confirm I have and do assign and transfer:
or	
For good and valuable consideration, the assigned and transferred to Assignee:	e sufficiency of which is acknowledged, I hereby assign and transfer and/or have
the right to claim priority to the Application, all in States, European Patent Office and of all other co such inventions or discoveries and all rights in continuations thereof, and to all Letters Patent th supplementary protection certificates, reexamination	the Application, including all priority rights for other countries arising therefrom and eventions or discoveries therein disclosed, and any and all Letters Patent of the United countries, which may be granted for such inventions or discoveries, or any of them, all such Application including any and all provisionals, substitutions, divisions, and at may be granted for said inventions and discoveries, and in and to all extensions, ons, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own use for which such Letters Patent may be granted, as fully and entirely as the same would ment and sale not been made.
	Page 1 of 2

US Application No.: <u>14/929,971</u>

I shall execute all papers necessary in connection with the Application in the United States Patent and Trademark Office, European Patent Office, any other patent offices, and under the Patent Cooperation Treaty, 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 shall execute all papers necessary in connection with any litigation or any other judicial proceeding in the United States or other country, or any administrative proceeding in the United States Patent and Trademark Office, European Patent Office, any other patent office, or under the Patent Cooperation Treaty 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 or 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 shall 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 shall 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, by the 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 Assignee, and (ii) 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.

Brian D. Bertke		
LEGAL NAME OF INVENTOR		
0.01		
Brian Butto	2-8-16	
Signature	Date	

COMBINED DECLARATION AND ASSIGNMENT

	DATES TOD STRUMBLE AND SO ASSTU ARTISS TESSIVE
	OUES FOR CUTTING AND COAGULATING TISSUE
This declaration and assignment is directed to:	
	The attached or filed herewith application of (list of named inventors),
or	
	The United States application or PCT international application number 14/929,971 filed on November 2, 2015.
Declaration	
As the below named inventor, I hereby decla	are that:
The above-identified application ("Application	ion") was made or authorized by me.
I believe that I am the original inventor or a	n original inventor of a claimed invention or discovery in the Application.
I have reviewed and understood the content information which is material to patentability as definited Application in the United States of America.	its of the Application, including the claims, and I acknowledge the duty to disclose ined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of
I hereby acknowledge that any willful false imprisonment of not more than five (5) years, or both	statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or for filings of this Application in the United States of America.
Assignment	Ethicon Endo-Surgery, Inc. 4545 Creek Road Cincinnati, Ohio 45242
· A corp	poration of the state or country of Ohio
(here	inafter designated as the "Assignee"),
I hereby acknowledge that I have assigned twhich is hereby conformed for recordation in the US	the above-identified invention by previous assignment (attached hereto) to Assignee Patent Office and I confirm I have and do assign and transfer:
or	
For good and valuable consideration, the assigned and transferred to Assignee:	sufficiency of which is acknowledged, I hereby assign and transfer and/or have
the right to claim priority to the Application, all investates, European Patent Office and of all other coursuch inventions or discoveries and all rights in succeptant thereof, and to all Letters Patent that supplementary protection certificates, reexaminations	the Application, including all priority rights for other countries arising therefrom and antions or discoveries therein disclosed, and any and all Letters Patent of the United atries, which may be granted for such inventions or discoveries, or any of them, all such Application including any and all provisionals, substitutions, divisions, and may be granted for said inventions and discoveries, and in and to all extensions, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own user which such Letters Patent may be granted, as fully and entirely as the same would not and sale not been made.
	Page 1 of 2

US Application No.: 14/929,971

I shall execute all papers necessary in connection with the Application in the United States Patent and Trademark Office, European Patent Office, any other patent offices, and under the Patent Cooperation Treaty, 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 shall execute all papers necessary in connection with any litigation or any other judicial proceeding in the United States or other country, or any administrative proceeding in the United States Patent and Trademark Office, European Patent Office, any other patent office, or under the Patent Cooperation Treaty 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 or 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 shall 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 shall 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, by the 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 Assignee, and (ii) 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.

Karalyn R. Tellio
LEGAL NAME OF INVENTOR

Feb. 5, 2016

Date

COMBINED DECLARATION AND ASSIGNMENT

Title of Invention: <u>DEVICES AND TECHNI</u>	QUES FOR CUTTING AND COAGULATING TISSUE
This declaration and assignment is directed to:	
	The attached or filed herewith application of (list of named inventors),
or	
	The United States application or PCT international application number <u>14/929,971</u> filed on <u>November 2, 2015</u> .
Declaration	
As the below named inventor, I hereby decl	are that;
The above-identified application ("Application	tion") was made or authorized by me.
I believe that I am the original inventor or a	n original inventor of a claimed invention or discovery in the Application.
I have reviewed and understood the contention which is material to patentability as details Application in the United States of America.	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 willful false imprisonment of not more than five (5) years, or both	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.
Assignment	Ethicon Endo-Surgery, Inc. 4545 Creek Road Cincinnati, Ohio 45242
A cor	poration of the state or country of Ohio
(here	einafter designated as the "Assignee"),
☐ I hereby acknowledge that I have assigned which is hereby conformed for recordation in the US	the above-identified invention by previous assignment (attached hereto) to Assignee Patent Office and I confirm I have and do assign and transfer:
or	
For good and valuable consideration, the assigned and transferred to Assignee:	sufficiency of which is acknowledged, I hereby assign and transfer and/or have
the right to claim priority to the Application, all invistates, European Patent Office and of all other cousuch inventions or discoveries and all rights in scontinuations thereof, and to all Letters Patent that supplementary protection certificates, reexamination	the Application, including all priority rights for other countries arising therefrom and rentions or discoveries therein disclosed, and any and all Letters Patent of the United antries, which may be granted for such inventions or discoveries, or any of them, all such Application including any and all provisionals, substitutions, divisions, and t may be granted for said inventions and discoveries, and in and to all extensions, as, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own use for which such Letters Patent may be granted, as fully and entirely as the same would ent and sale not been made.
	Page 1 of 2

US Application No.: 14/929,971

I shall execute all papers necessary in connection with the Application in the United States Patent and Trademark Office, European Patent Office, any other patent offices, and under the Patent Cooperation Treaty, 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 shall execute all papers necessary in connection with any litigation or any other judicial proceeding in the United States or other country, or any administrative proceeding in the United States Patent and Trademark Office, European Patent Office, any other patent office, or under the Patent Cooperation Treaty 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 or 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 shall 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 shall 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, by the 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 Assignee, and (ii) 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

Sionature

2/17/2016 Date

COMBINED DECLARATION AND ASSIGNMENT

Title of Invention: <u>DEVICES AND TECHNIQUES FOR CUTTING AND COAGULATING TISSUE</u>		
This declaration and assignment is directed to:		
T 🗆	he attached or filed herewith application of (list of named inventors),	
or		
	The United States application or PCT international application number 14/929,971 filed on November 2, 2015.	
Declaration		
As the below named inventor, I hereby declare	e that:	
The above-identified application ("Application	n") was made or authorized by me.	
I believe that I am the original inventor or an o	original inventor of a claimed invention or discovery in the Application.	
I have reviewed and understood the contents information which is material to patentability as definithis Application in the United States of America.	of the Application, including the claims, and I acknowledge the duty to disclose ed in Title 37, the United States Code of Federal Regulations, §1.56 for filings of	
I hereby acknowledge that any willful false si imprisonment of not more than five (5) years, or both for	tatement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or or filings of this Application in the United States of America.	
Assignment	Ethicon Endo-Surgery, Inc. 4545 Creek Road Cincinnati, Ohio 45242	
A corpor	ration of the state or country of Ohio	
(herein	after designated as the "Assignee"),	
I hereby acknowledge that I have assigned the which is hereby conformed for recordation in the US Pa	e above-identified invention by previous assignment (attached hereto) to Assignee atent Office and I confirm I have and do assign and transfer:	
or		
For good and valuable consideration, the su assigned and transferred to Assignee:	afficiency of which is acknowledged, I hereby assign and transfer and/or have	
my entire right, title, and interest in, to, and under the Application, including all priority rights for other countries arising therefrom and the right to claim priority to the Application, all inventions or discoveries therein disclosed, and any and all Letters Patent of the United States, European Patent Office and of all other countries, 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 provisionals, 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 me had this assignment and sale not been made.		
	Page 1 of 2	

US Application No.: 14/929,971

I shall execute all papers necessary in connection with the Application in the United States Patent and Trademark Office, European Patent Office, any other patent offices, and under the Patent Cooperation Treaty, 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 shall execute all papers necessary in connection with any litigation or any other judicial proceeding in the United States or other country, or any administrative proceeding in the United States Patent and Trademark Office, European Patent Office, any other patent office, or under the Patent Cooperation Treaty 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 or 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 shall 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 shall 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, by the 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 Assignee, and (ii) 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.

David C. Yates

LEGAL NAME OF INVENTOR

Signature

12/18/15

Dat

COMBINED DECLARATION AND ASSIGNMENT

Title of Invention: <u>DEVICES AND TECHNIQUES FOR CUTTING AND COAGULATING TISSUE</u>	
This declaration and assignment is directed to:	
The attached or filed herewith application of (list of named inventors)	
or	
The United States application or PCT international application number <u>14/929,971</u> filed on <u>November 2, 2015</u> .	
Declaration	
As the below named inventor, I hereby declare that:	
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 information which is material to patentability as defined in Title 37, the United States Code of Federal Regulations, §1.56 for fishis Application in the United States of America.	disclose ilings of
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by imprisonment of not more than five (5) years, or both for filings of this Application in the United States of America.	fine or
Assignment Ethicon Endo-Surgery, Inc. 4545 Creek Road Cincinnati, Ohio 45242	
A corporation of the state or country of Ohio	
(hereinafter designated as the "Assignee"),	
I hereby acknowledge that I have assigned the above-identified invention by previous assignment (attached hereto) to A which is hereby conformed for recordation in the US Patent Office and I confirm I have and do assign and transfer:	ssignee
or	
For good and valuable consideration, the sufficiency of which is acknowledged, I hereby assign and transfer and/ssigned and transferred to Assignee:	or have
ny entire right, title, and interest in, to, and under the Application, including all priority rights for other countries arising therefore the right to claim priority to the Application, all inventions or discoveries therein disclosed, and any and all Letters Patent of the States, European Patent Office and of all other countries, which may be granted for such inventions or discoveries, or any of the such inventions or discoveries and all rights in such Application including any and all provisionals, substitutions, division continuations thereof, and to all Letters Patent that may be granted for said inventions and discoveries, and in and to all extra upplementary protection certificates, reexaminations, renewals, and reissues thereof, to be held and enjoyed by Assignee for its of 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 have been held and enjoyed by me had this assignment and sale not been made.	them, all ons, and ensions, own use
Page 1 of 2	

US Application No.: 14/929,971

I shall execute all papers necessary in connection with the Application in the United States Patent and Trademark Office, European Patent Office, any other patent offices, and under the Patent Cooperation Treaty, 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 shall execute all papers necessary in connection with any litigation or any other judicial proceeding in the United States or other country, or any administrative proceeding in the United States Patent and Trademark Office, European Patent Office, any other patent office, or under the Patent Cooperation Treaty 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 or 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 shall 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 shall 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, by the 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 Assignee, and (ii) 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

Jeffrey L. Aldridge

/-29-/6

Date

COMBINED DECLARATION AND ASSIGNMENT				
Title of Invention: <u>DEVICES AN</u>	D TECHN	IQUES FOR CUTTING AND COAGULATING TISSUE		
This declaration and assignment is direct	cted to:			
		The attached or filed herewith application of (list of named inventors),		
	or			
	\boxtimes	The United States application or PCT international application number 14/929,971 filed on November 2, 2015.		
Declaration				
As the below named inventor,	I hereby dec	clare that:		
The above-identified application	on ("Applica	ation") 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.		
	ability 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		
		te 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.		
Assignment				
		Ethicon Endo-Surgery, Inc. 4545 Creek Road Cincinnati, Ohio 45242		
	A cor	rporation of the state or country of Ohio		
	(her	reinafter designated as the "Assignee"),		
		the above-identified invention by previous assignment (attached hereto) to Assignee S Patent Office and I confirm I have and do assign and transfer:		
or _.				
For good and valuable consides a signed and transferred to Assignee:	leration, the	sufficiency of which is acknowledged, I hereby assign and transfer and/or have		
the right to claim priority to the Applications. European Patent Office and of such inventions or discoveries and all continuations thereof, and to all Letters supplementary protection certificates, resupplementary	ation, all invall other could other could rights in several that several that the several or terms for terms f	the Application, including all priority rights for other countries arising therefrom and ventions or discoveries therein disclosed, and any and all Letters Patent of the United untries, which may be granted for such inventions or discoveries, or any of them, all such Application including any and all provisionals, substitutions, divisions, and it may be granted for said inventions and discoveries, and in and to all extensions, as, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own use for which such Letters Patent may be granted, as fully and entirely as the same would tent and sale not been made.		
		Page 1 of 2		

US Application No.: 14/929,971

I shall execute all papers necessary in connection with the Application in the United States Patent and Trademark Office, European Patent Office, any other patent offices, and under the Patent Cooperation Treaty, 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 shall execute all papers necessary in connection with any litigation or any other judicial proceeding in the United States or other country, or any administrative proceeding in the United States Patent and Trademark Office, European Patent Office, any other patent office, or under the Patent Cooperation Treaty 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 or 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 shall 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 shall 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, by the 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 Assignee, and (ii) 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.

Foster B. Stulen

LEGAL NAME OF INVENTOR

Signature

Date

12/17/2015

COMBINED DECLARATION AND ASSIGNMENT			
Title of Invention: DEVICES AND TECHNIQUES FOR CUTTING AND COAGULATING TISSUE			
This declaration and assignment is directed to:			
The attached or filed herewith application of (list of named i	nventors),		
or			
The United States application or PCT international application number 14/929,971 filed on November 2, 2015.	on		
Declaration			
As the below named inventor, I hereby declare that:			
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 acknowled information which is material to patentability as defined in Title 37, the United States Code of Federal Regulation 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 imprisonment of not more than five (5) years, or both for filings of this Application in the United States of Americ			
Assignment Ethicon Endo-Surgery, Inc. 4545 Creek Road Cincinnati, Ohio 45242			
A corporation of the state or country of Ohio			
(hereinafter designated as the "Assignee"),			
I hereby acknowledge that I have assigned the above-identified invention by previous assignment (attack which is hereby conformed for recordation in the US Patent Office and I confirm I have and do assign and transfer:	ned hereto) to Assignee		
or			
For good and valuable consideration, the sufficiency of which is acknowledged, I hereby assign an assigned and transferred to Assignee:	d transfer and/or have		
my entire right, title, and interest in, to, and under the Application, including all priority rights for other countries the right to claim priority to the Application, all inventions or discoveries therein disclosed, and any and all Letter States, European Patent Office and of all other countries, which may be granted for such inventions or discoveries and all rights in such Application including any and all provisionals, substitutions thereof, and to all Letters Patent that may be granted for said inventions and discoveries, and in supplementary protection certificates, reexaminations, renewals, and reissues thereof, to be held and enjoyed by A and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, as fully and entithave been held and enjoyed by me had this assignment and sale not been made.	ers Patent of the United ries, or any of them, all itutions, divisions, and a and to all extensions, assignee for its own use		
Page 1 of 2			

US Application No.: 14/929,971

I shall execute all papers necessary in connection with the Application in the United States Patent and Trademark Office, European Patent Office, any other patent offices, and under the Patent Cooperation Treaty, 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 shall execute all papers necessary in connection with any litigation or any other judicial proceeding in the United States or other country, or any administrative proceeding in the United States Patent and Trademark Office, European Patent Office, any other patent office, or under the Patent Cooperation Treaty 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 or 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 shall 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 shall 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, by the 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 Assignee, and (ii) 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

LEGAL NAME OF INVENTOR

Cianatura

12/16/15 Date