505158138 10/25/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5204905

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
FREDERICK E. SHELTON IV	01/09/2018
JASON L. HARRIS	01/11/2018
LAUREN S. WEANER	01/11/2018
JANNA B. VOLZ	01/11/2018
JEROME R. MORGAN	01/10/2018
SARAH A. WORTHINGTON	01/10/2018

RECEIVING PARTY DATA

Name:	ETHICON LLC
Street Address:	#475 STREET C, SUITE 401
Internal Address:	LOS FRAILES INDUSTRIAL PARK
City:	GUAYNABO
State/Country:	PUERTO RICO
Postal Code:	00969

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15850587

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: pipuspatents@klgates.com

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

Address Line 4: PITTSBURGH, PENNSYLVANIA 15222-2613

ATTORNEY DOCKET NUMBER:	END8309USNP/170217
NAME OF SUBMITTER:	CARA M. PINTO
SIGNATURE:	/Cara M. Pinto/
DATE SIGNED:	10/25/2018

505158138 PATENT REEL: 047304 FRAME: 0451

This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 12

source=END8309USNP-Signed-ComboDecAsnEES#page1.tif source=END8309USNP-Signed-ComboDecAsnEES#page2.tif source=END8309USNP-Signed-ComboDecAsnEES#page3.tif source=END8309USNP-Signed-ComboDecAsnEES#page4.tif source=END8309USNP-Signed-ComboDecAsnEES#page5.tif source=END8309USNP-Signed-ComboDecAsnEES#page6.tif source=END8309USNP-Signed-ComboDecAsnEES#page7.tif source=END8309USNP-Signed-ComboDecAsnEES#page8.tif source=END8309USNP-Signed-ComboDecAsnEES#page9.tif source=END8309USNP-Signed-ComboDecAsnEES#page9.tif source=END8309USNP-Signed-ComboDecAsnEES#page10.tif

source=END8309USNP-Signed-ComboDecAsnEES#page11.tif source=END8309USNP-Signed-ComboDecAsnEES#page12.tif

PATENT REEL: 047304 FRAME: 0452

Attorney Docket No.: END8309USNP/170217 US Application No.: 15/850,587

COMBINED	DECLARATION AND ASSIGNMENT
Title of Invention: STAPLING INSTRUME	NT COMPRISING A STAPLE FEEDING SYSTEM
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 15/850,587 filed on December 21, 2017.
Declaration	
As the below named inventor, I hereby dec	clare that:
The above-identified application ("Application")	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.
I have reviewed and understood the continuous information which is material to patentability as diffusion in the United States of America.	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 willful fal imprisonment of not more than five (5) years, or bo	se statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or oth for filings of this Application in the United States of America.
Assignment	Ethicon LLC #475 Street C, Suite 401 Los Frailes Industrial Park Guaynabo, Puerto Rico 00969
a L	imited Liability Company of <u>Delaware</u> .
(he	reinafter designated as the "Assignee"),
I hereby acknowledge that I have assigne which is hereby conformed for recordation in the U	d 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 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 the 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 puntries, 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

PATENT REEL: 047304 FRAME: 0453

US Application No.: 15/850,587

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.

Frederick E. Shelton, IV
LEGAL NAME OF INVENTOR

Signatura

19 10 Date

Attorney Docket No.: <u>END8309USNP/170217</u> US Application No.: 15/850.587

		03 Application No.: 15/0504,587
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	or	
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As the below named inventor	r, I hereby dec	slare that:
The above-identified applica	tion ("Applica	ntion") was made or authorized by me.
I believe that I am the origin	al inventor or	an original inventor of a claimed invention or discovery in the Application.
	ntability 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
		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.
Assignment		
		Ethicon LLC #475 Street C, Suite 401 Los Prailes Industrial Park Guaynabo, Puerto Rico 00969
·	a Li	mited Liability Company of Delaware.
	(he	reinafter designated as the "Assignee"),
		I 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 con assigned and transferred to Assignee:	sideration, the	e sufficiency of which is acknowledged, I hereby assign and transfer and/or have
the right to claim priority to the Appl States, European Patent Office and c such inventions or discoveries and continuations thereof, and to all Lett supplementary protection certificates,	ication, all in of all other co all rights in ers Patent the reexaminatio erm or terms	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 at may be granted for said inventions and discoveries, and in and to all extensions, ns, 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 nent and sale not been made.

US Application No.: 15/850,587

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I hereby (i) authorize and request the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from the Application or any divisional, continuation, or reissue applications thereof, and any reexamination of any of such applications, to 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.

Jason L. Harris LEGAL NAME OF INVENTOR	
Mw 4-71 Signature	Date Date

	US Application No.; <u>15/850,587</u>	
COMBINED	DECLARATION AND ASSIGNMENT	
Title of Invention: STAPLING INSTRUME	NT COMPRISING A STAPLE FEEDING SYSTEM	
This declaration and assignment is directed to:		
	The attached or filed herewith application of (list of named inventors)	
O1°		
	The United States application or PCT international application number <u>15/850,587</u> filed on <u>December 21, 2017</u> .	
Declaration		
As the below named inventor, I hereby decl	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 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.		
	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 LLC #475 Street C, Suite 401 Los Frailes Industrial Park Guaynabo, Puerto Rico 00969	
a Lit	nited Liability Company of <u>Delaware</u> .	
(her	einafter designated as the "Assignee"),	
	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 inv States, European Patent Office and of all other cor- such inventions or discoveries and all rights in continuations thereof, and to all Letters Patent tha 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 or which such Letters Patent may be granted, as fully and entirely as the same would ent and sale not been made.	

US Application No.: 15/850,587

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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		
Lauren D. Weaner	1-11-18	
Signature	Date	

Attorney Docket No.: <u>END8309USNP/170217</u> US Application No.: 15/850,587

COMPINED	DECLARATION AND ASSIGNMENT
	NT COMPRISING A STAPLE FEEDING SYSTEM
	The attached or filed herewith application of (list of named inventors),
	and unioned in their notowith upproducted that of humon nevertical
 ⊠	The United States application or PCT international application number 15/850,587 filed on <u>December 21, 2017</u> .
i inventor, I hereby dec	lare that:
d application ("Applica	tion") was made or authorized by me.
he original inventor or a	an original inventor of a claimed invention or discovery in the Application.
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	Ethicon LLC #475 Street C, Suite 401 Los Frailes Industrial Park Guaynabo, Puerto Rico 00969
a Lii	mited Liability Company of <u>Delaware</u> .
(her	einafter 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:
•	sufficiency of which is acknowledged, I hereby assign and transfer and/or have
the Application, all invite and of all other contries and all rights in all Letters Patent that rificates, reexamination of the term or terms if	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 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 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.
	a Linge that I have assigned for recordation in the US able consideration, the assignee: the Application in the US able consideration in the US able consideration, the assignee: the Application, all interest in, to, and under the Application, all interest in all Letters Patent that artificates, reexamination of the term or terms in the term or terms.

US Application No.: 15/850,587

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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.

Janna B. Volz

LEGAL NAME OF INVENTOR

Signature/

01/11/2018

Attorney Docket No.: END8309USNP/170217
US Application No.: 15/850,587

COMBINED	DECLARATION AND ASSIGNMENT
Title of Invention: STAPLING INSTRUME	NT COMPRISING A STAPLE FEEDING SYSTEM
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	The attached or filed herewith application of (list of named inventors),
or	
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Declaration ·	
As the below named inventor, I hereby decl	are that:
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Assignment	
	Ethicon LLC #475 Street C, Suite 401 Los Frailes Industrial Park Guaynabo, Puerto Rico 00969
a Lir	nited Liability Company of <u>Delaware</u> .
(here	einafter designated as the "Assignee"),
	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 inv States, European Patent Office and of all other cou such inventions or discoveries and all rights in a continuations thereof, and to all Letters Patent that supplementary protection certificates, reexamination	the Application, including all priority rights for other countries arising therefrom and entions or discoveries therein disclosed, and any and all Letters Patent of the United entries, 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, is, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own use or which such Letters Patent may be granted, as fully and entirely as the same would ent and sale not been made.

US Application No.: 15/850,587

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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.

Jerome R. Morgan LEGAL NAME OF INVENTOR	
Carrier	1/10/18
Signature	Date

		US Application No.: <u>15/850,587</u>
	COMBINED	DECLARATION AND ASSIGNMENT
Title of Invention:	STAPLING INSTRUME	NT COMPRISING A STAPLE FEEDING SYSTEM
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or		
For good and assigned and transferred		sufficiency of which is acknowledged, I hereby assign and transfer and/or have
the right to claim priorit States, European Patent such inventions or disc continuations thereof, as supplementary protection and enjoyment to the ful	y to the Application, all investigation of the Confice and of all other converies and all rights in and to all Letters Patent that a certificates, reexamination of the term or terms for the convergence of the term or terms for the convergence of the term or terms for the convergence of the term or terms for the terms of the terms of the terms or terms for the terms of the term	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 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.

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Sarah A. Worthington LEGAL NAME OF INVENTOR	
South Affile	1-10-2018
Signature	Date

Page 2 of 2

PATENT REEL: 047304 FRAME: 0464

RECORDED: 10/25/2018