PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7826661

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
FREDERICK J. SHELTON IV	06/11/2019
LAUREN S. WEANER	06/08/2019
JEROME R. MORGAN	06/10/2019
MICHAEL J. VENDELY	06/11/2019
TAYLOR W. ARONHALT	06/10/2019

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:	17826789

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: 4123556372

Email: piuspatents@klgates.com

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

Address Line 4: PITTSBURGH, PENNSYLVANIA 15222-2613

ATTORNEY DOCKET NUMBER:	END7493USCNT6/140303CON6
NAME OF SUBMITTER:	GARETH M. BLYTH
SIGNATURE:	/Gareth M. Blyth/
DATE SIGNED:	03/03/2023
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 10 source=END7493USCNT6_140303CON6_ComboDecAsn_from_Parent#page1.tif source=END7493USCNT6_140303CON6_ComboDecAsn_from_Parent#page2.tif source=END7493USCNT6_140303CON6_ComboDecAsn_from_Parent#page3.tif source=END7493USCNT6_140303CON6_ComboDecAsn_from_Parent#page4.tif source=END7493USCNT6_140303CON6_ComboDecAsn_from_Parent#page5.tif source=END7493USCNT6_140303CON6_ComboDecAsn_from_Parent#page6.tif source=END7493USCNT6_140303CON6_ComboDecAsn_from_Parent#page7.tif source=END7493USCNT6_140303CON6_ComboDecAsn_from_Parent#page8.tif source=END7493USCNT6_140303CON6_ComboDecAsn_from_Parent#page9.tif source=END7493USCNT6_140303CON6_ComboDecAsn_from_Parent#page10.tif

Attorney Docket No.: END7493USCNT2/140303CON2

	US Application No.: <u>16/105.387</u>	
COMBINEL	DECLARATION AND ASSIGNMENT	
Title of Invention: STAPLE CARTRIDGE COMPRISING A TISSUE THICKNESS COMPENSATOR		
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 16/105.387 filed on August 20, 2018.	
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 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 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 1.	imited Liability Company of Delaware.	
(he	reinafter designated as the "Assignee"),	
	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 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 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	
303012393 v1	a la company de la company La company de la company d	

Attorney Docket No.: END7493USCNT2/140303CON2

US Application No.: 16/105,387

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 Assignce or its nominees, in the United States, by the European Patent Office and in all other countries where Assignce 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	
Lead Ellin	[19
Signature / Date	 ** **********************************

Page 2 of 2

303012393 v1

PATENT

REEL: 062872 FRAME: 0749

Attorney Docket No.: END7493USCNT2/140303CON2

		US Application No.: <u>16/105,387</u>
COM	BINED	DECLARATION AND ASSIGNMENT
Title of Invention: STAPLE CART	RIDGE C	OMPRISING A TISSUE THICKNESS COMPENSATOR
This declaration and assignment is directed	d to:	
		The attached or filed herewith application of (list of named inventors),
	or	
	Ø	The United States application or PCT international application number 16/105,387 filed on August 20, 2018.
Declaration		
As the below named inventor, I h	ereby decl	are that:
The above-identified application	("Applicat	ion") was made or authorized by me.
I believe that I am the original in-	ventor or a	n original inventor of a claimed invention or discovery in the Application.
	ility as def	ats 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
		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 LLC #475 Street C, Suite 401 Los Frailes Industrial Park Guaynabo, Puerto Rico 00969
	a Lin	nited Liability Company of Delaware.
	(here	rinafter 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:
ör		
For good and valuable consider assigned and transferred to Assignee;	ation, the	sufficiency of which is acknowledged, I hereby assign and transfer and/or have
the right to claim priority to the Applicati States, European Patent Office and of all such inventions or discoveries and all a continuations thereof, and to all Letters I supplementary protection certificates, reex	on, all involution, other countrights in s Patent that tamination or terms for	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 ntries, 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, s, 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.
303012415 v1		Page 1 of 2
The second section of the sect		DATENT

Attorney Docket No.: END7493USCNT2/140303CON2

US Application No.: 16/105,387

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.

LEGAL NAME OF INVENTOR	
Lauren D. Weaver	6/18/19 Date 18/19

Page 2 of 2

303012415 v1

S mercene & XX/maria

PATENT

REEL: 062872 FRAME: 0751

Attorney Docket No.: END7493USCNT2/140303CON2
US Application No.: 16/105 387

	US Application No.: 10/105,387
COMBINE	D DECLARATION AND ASSIGNMENT
Title of Invention: STAPLE CARTRIDGE	COMPRISING A TISSUE THICKNESS COMPENSATOR
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 16/105,387 filed on August 20, 2018.
Declaration	
As the below named inventor, I hereby d	eclare that:
The above-identified application ("Appli	cation") was made or authorized by me.
I believe that I am the original inventor of	r an original inventor of a claimed invention or discovery in the Application.
	itents of the Application, including the claims, and I acknowledge the duty to disclose defined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of
	alse statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or both 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 Ríco 00969
a	Limíted Liability Company of <u>Delaware</u> .
1)	nereinafter designated as the "Assignee"),
	ed the above-identified invention by previous assignment (attached hereto) to Assignee US Patent Office and I confirm I have and do assign and transfer:
or	
For good and valuable consideration, assigned and transferred to Assignee:	the sufficiency of which is acknowledged, I hereby assign and transfer and/or have
the right to claim priority to the Application, all States, European Patent Office and of all other as such inventions or discoveries and all rights is continuations thereof, and to all Letters Patent to supplementary protection certificates, reexaminated.	er the Application, including all priority rights for other countries arising therefrom and inventions 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 n such Application including any and all provisionals, substitutions, divisions, and hat may be granted for said inventions and discoveries, and in and to all extensions, ions, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own uses for which such Letters Patent may be granted, as fully and entirely as the same would ament and sale not been made.
303012421 v1	Page 1 of 2

Attorney Docket No.: END7493USCNT2/140303CON2

US Application No.: 16/105,387

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.

Jerome R. Morgan LEGAL NAME OF INVENTOR	
	6/10/19
Signatur	Date

Page 2 of 2

303012421 v1

REEL: 062872 FRAME: 0753

PATENT

Attorney Docket No.: END7493USCNT2/140303CON2

		US Application No.: 16/105,387
COM	MBINED	DECLARATION AND ASSIGNMENT
Title of Invention: STAPLE CAR	TRIDGE (COMPRISING A TISSUE THICKNESS COMPENSATOR
This declaration and assignment is direct	ed to:	
		The attached or filed herewith application of (list of named inventors),
	or	
	Ø	The United States application or PCT international application number 16/105,387 filed on August 20, 2018.
Declaration		
As the below named inventor, I	hereby dec	lare that:
The above-identified application	n ("Applica	tion") was made or authorized by me.
I believe that I am the original i	nventor or a	n original inventor of a claimed invention or discovery in the Application.
	bility 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 fillings of
		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 Li	mited Liability Company of Delaware.
	(her	einafter designated as the "Assígnee"),
		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 assigned and transferred to Assignee:	eration, the	sufficiency of which is acknowledged, I hereby assign and transfer and/or have
the right to claim priority to the Applica States, European Patent Office and of a such inventions or discoveries and all continuations thereof, and to all Letters supplementary protection certificates, re	tion, all invall other con rights in Patent that examination n or terms f	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 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.
303012428 v1		Page 1 of 2
and the company of th		

Attorney Docket No.: END7493USCNT2/140303CON2

US Application No.: 16/105,387

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.

LEGAL NAME OF INVENTOR	<u>.</u>
Ht Beedele	6/11/2019
Signature	Date

Page 2 of 2

303012428 v1

REEL: 062872 FRAME: 0755

PATENT

Attorney Docket No.: END7493USCNT2/140303CON2

		US Application No.: 16/105.387
	COMBINED	DECLARATION AND ASSIGNMENT
Title of Invention: STA	PLE CARTRIDGE C	COMPRISING A TISSUE THICKNESS COMPENSATOR
This declaration and assignm	ent is directed to:	
		The attached or filed herewith application of (list of named inventors),
	Đ r	
		The United States application or PCT international application number 16/105.387 filed on August 20, 2018.
Declaration		
As the below named	inventor, I hereby deci	are that:
The above-identified	I application ("Applicat	tion") was made or authorized by me.
I believe that I am th	ne original inventor or a	n original inventor of a claimed invention or discovery in the Application.
	l to patentability 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
		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 Lir	mited Liability Company of Delaware
	(hen	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 value assigned and transferred to A		sufficiency of which is acknowledged, I hereby assign and transfer and/or have
the right to claim priority to States, European Patent Offi such inventions or discover continuations thereof, and to supplementary protection cer	the Application, all invice and of all other cou ice and all rights in a stall Letters Patent that tificates, reexamination tof the term or terms for	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 intries, 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, 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.
		The control of the
303012438 v1		Page 1 of 2

Attorney Docket No.: END7493USCNT2/140303CON2

US Application No.: 16/105,387

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.

Taylor W. Aronhalt LEGAL NAME OF INVENTOR		
Signature Signature	<u>(2-10-19</u> Date	

Page 2 of 2

303012438 v1

RECORDED: 03/03/2023

PATENT

REEL: 062872 FRAME: 0757