04/06/2018 504857322

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4904061

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
FREDERICK E. SHELTON IV	01/02/2018
JEROME R. MORGAN	01/02/2018
JEFFREY S. SWAYZE	01/04/2018
CHARLES J. SCHEIB	01/04/2018
STEVEN G. HALL	01/04/2018

RECEIVING PARTY DATA

Name:	lame: 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:	15456032

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)355-8690

Email: PIUSPatents@klgates.com **Correspondent Name:** RAGAE M. GHABRIAL Address Line 1: 210 SIXTH AVENUE Address Line 2: **K&L GATES CENTER**

Address Line 4: PITTSBURGH, PENNSYLVANIA 15222-2613

ATTORNEY DOCKET NUMBER:	END6857USCNT2/100542CON2
NAME OF SUBMITTER:	RAGAE M. GHABRIAL
SIGNATURE:	/Ragae M. Ghabrial/
DATE SIGNED:	04/06/2018
	This document serves as an Oath/Declaration (37 CFR 1.63).

REEL: 045464 FRAME: 0359 504857322

PAIENI

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

Attorney Docket No.: END6857USCNT2/100542CON2
US Application No.: 15/456 032

	US Application No.; <u>15/456,032</u>
COMBIN	ED DECLARATION AND ASSIGNMENT
Title of Invention: STAPLE CARTRID	GE COMPRISING A RELEASABLE PORTION
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 15/456.032 filed on March 10, 2017.
Declaration	
As the below named inventor, I hereby	declare that:
The above-identified application ("App	olication") 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 c information which is material to patentability a this Application in the United States of America	ontents of the Application, including the claims, and I acknowledge the duty to disclose s defined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of a.
I hereby acknowledge that any willful imprisonment of not more than five (5) years, or	false 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 Rico 00969
;	a Limited Liability Company of <u>Delaware</u> ,
	(hereinafter designated as the "Assignee"),
I hereby acknowledge that I have assign which is hereby conformed for recordation in the	aned the above-identified invention by previous assignment (attached hereto) to Assignee e 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
he right to claim priority to the Application, all states. European Patent Office and of all other such inventions or discoveries and all rights continuations thereof, and to all Letters Patent supplementary protection certificates, reexaminations.	der the Application, including all priority rights for other countries arising therefrom and linventions 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 in such Application including any and all provisionals, substitutions, divisions, and that may be granted for said inventions and discoveries, and in and to all extensions, ations, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own use as for which such Letters Patent may be granted, as fully and entirely as the same would gramment and sale not been made.

Page 1 of 2

US Application No.: 15/456,032

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 /			
In Alfin		1/2/18	
Signature /	Date	1 1	

Attorney Docket No.: END6857USCNT2/100542CON2
US Application No.: 15/456,032

		Co Application No., 131730012
COM	BINED	DECLARATION AND ASSIGNMENT
Title of Invention: STAPLE CART	RIDGE C	COMPRISING A RELEASABLE PORTION
This declaration and assignment is directed	I to:	
		The attached or filed herewith application of (list of named inventors),
	or	
	\boxtimes	The United States application or PCT international application number 15/456,032 filed on March 10, 2017.
Declaration		
As the below named inventor, I he	ereby decl	lare that:
The above-identified application ("Applicat	tion") was made or authorized by me.
I believe that I am the original inv	entor or a	in original inventor of a claimed invention or discovery in the Application.
I have reviewed and understood information which is material to patentabithis Application in the United States of An	lity as de	nts of the Application, including the claims, and I acknowledge the duty to disclose fined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of
		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	nited Liability Company of <u>Delaware</u> .
	(her	einafter designated as the "Assignee"),
I hereby acknowledge that I have which is hereby conformed for recordation	assigned 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 considerates 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 Application States, European Patent Office and of all such inventions or discoveries and all randominuations thereof, and to all Letters Faupplementary protection certificates, reex	on, all invother coungities in order that amination or 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 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.: 15/456,032

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	
	1/2/18
Signature (Date

Page 2 of 2

Attorney Docket No.: <u>END6857USCNT2/100542CON2</u> US Application No.: 15/456,032

		03 application No., 13/430032
	COMBINED I	DECLARATION AND ASSIGNMENT
	Title of Invention: STAPLE CARTRIDGE CO	OMPRISING A RELEASABLE PORTION
	This declaration and assignment is directed to:	
	Г. П	The attached or filed herewith application of (list of named inventors),
	or	
-		The United States application or PCT international application number 15/456,032 filed on March 10, 2017.
	Declaration	
	As the below named inventor, I hereby declar	re that:
-	The above-identified application ("Application	on") 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.
		s of the Application, including the claims, and I acknowledge the duty to disclose ned 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 Limì	ted Liability Company of Delaware.
	(hereir	nafter designated as the "Assignee"),
		he above-identified invention by previous assignment (attached hereto) to Assignee ratent Office and I confirm I have and do assign and transfer:
	or	
	For good and valuable consideration, the sassigned and transferred to Assignee:	ufficiency of which is acknowledged, I hereby assign and transfer and/or have
1	the right to claim priority to the Application, all inventions, European Patent Office and of all other count such inventions or discoveries and all rights in succontinuations thereof, and to all Letters Patent that resupplementary protection certificates, reexaminations,	Application, including all priority rights for other countries arising therefrom and ations or discoveries therein disclosed, and any and all Letters Patent of the United ries, which may be granted for such inventions or discoveries, or any of them, all ch 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 use which such Letters Patent may be granted, as fully and entirely as the same would t and sale not been made.
		Page 1 of 2
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US Application No.: 15/456,032

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 S. Swayze LEGAL NAME OF INVENTOR	
Massm	1-4-2018
Signature	Date

Attorney	Docket No.:	END685	7USC1	VT2/10	00542CC)N2

		US Application No.: <u>15/456,032</u>			
	COMBINED	DECLARATION AND ASSIGNMENT			
Title of Invention: STAPLE CARTRIDGE COMPRISING A RELEASABLE PORTION					
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 15/456,032 filed on March 10, 2017.			
Declaration					
As the below na	med inventor, I hereby decl	are that:			
The above-ident	ified application ("Applicat	tion") was made or authorized by me.			
I believe that I am the original inventor or an original inventor of a claimed invention or discovery in the Application.					
I have reviewed and understood the contents of the Application, including the claims, and I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of this Application in the United States of America.					
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both for filings of this Application in the United States of America.					
Assignment Ethicon L.L.C #475 Street C, Suite 401 Los Frailes Industrial Park Guaynabo, Puerto Rico 00969					
	a Lin	nited Liability Company of <u>Delaware</u> .			
	(here	einafter designated as the "Assignee"),			
I hereby acknowledge that I have assigned the above-identified invention by previous assignment (attached hereto) to Assignee which is hereby conformed for recordation in the US Patent Office and I confirm I have and do assign and transfer:					
33.		8			
For good and vissigned and transferred to		sufficiency of which is acknowledged, I hereby assign and transfer and/or have			
ny 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, applementary 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 ave been held and enjoyed by me had this assignment and sale not been made.					

Page 1 of 2

Attorney Docket No.: END6857USCNT2/100542CON2
US Application No.: 15/456,032

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.

Charles J. Scheib LEGAL NAME OF INVENTOR	**	·
Gentle Section		1/4/2018
Signature		Date

			Attorney Docket No.: <u>END6857USCNT2/100542CON2</u> US Application No.: <u>15/456,032</u>		
	CON	MBINED	DECLARATION AND ASSIGNMENT		
Title of Invention	1: STAPLE CAR	TRIDGE (COMPRISING A RELEASABLE PORTION		
This declaration and a	assignment is direct	ed to:			
			The attached or filed herewith application of (list of named inventors),		
		or			
		\boxtimes	The United States application or PCT international application number 15/456,032 filed on March 10, 2017.		
Declaration		·			
As the below	named inventor, I	hereby dec	lare that:		
The above-identified application ("Application") was made or authorized by me.					
I believe that	I am the original is	nventor or a	an original inventor of a claimed invention or discovery in the Application.		
I have revieu information which is this Application in th	material to patental	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 filings of		
I hereby ack imprisonment of not r	nowledge that any nore than five (5) ye	willful fals ears, or bot	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					
D			Ethicon LLC		
			#475 Street C, Suite 401		
			Los Frailes Industrial Park Guaynabo, Puerto Rico 00969		
· · · · · · · · · · · · · · · · · · ·		a Lir	mited Liability Company of <u>Delaware</u> .		
		(her-	einaster designated as the "Assignee"),		
I hereby acki	nowledge that I have rmed for recordation	e assigned n 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 an assigned and transferr		eration, the	sufficiency of which is acknowledged, I hereby assign and transfer and/or have		
the right to claim prio States, European Pate such inventions or d continuations thereof,	rity to the Applicate of the office and of a iscoveries and all and to all Letters	tion, all invited the course of the course o	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		

Page 1 of 2

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.

US Application No.: <u>15/456,032</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.

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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.

Steven G. Hall LEGAL NAME OF INVENTOR

Signature

1-4-2018

Date

Page 2 of 2