#### 10/22/2015 503535076

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3581703

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
ANIL K. NALAGATLA	09/29/2015
BRIAN DINARDO	09/09/2015
DISHA V. LABHASETWAR	09/09/2015
CHESTER O. BAXTER III	09/14/2015
JEFFREY S. SWAYZE	09/09/2015
FREDERICK E. SHELTON IV	09/02/2015
JEROME R. MORGAN	09/08/2015
JASON L. HARRIS	09/04/2015

### **RECEIVING PARTY DATA**

Name:	ETHICON ENDO-SURGERY, LLC
Street Address:	475 C STREET
Internal Address:	SUITE 202
City:	GUAYNABO
State/Country:	PUERTO RICO
Postal Code:	0969

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	14836163

### **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) 355-6282

Email: piuspatents@klgates.com

**Correspondent Name: BRIAN T. GEISLER** Address Line 1: 210 SIXTH AVENUE Address Line 2: **K&L GATES CENTER** 

Address Line 4: PITTSBURGH, PENNSYLVANIA 15222-2613

ATTORNEY DOCKET NUMBER:	END7684USNP/150124
NAME OF SUBMITTER:	BRIAN T. GEISLER

PAIENI

REEL: 036856 FRAME: 0195 503535076

SIGNATURE:	/Brian T. Geisler/
DATE SIGNED:	10/22/2015
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 16	
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#### US Application No.:14

# COMBINED DECLARATION AND ASSIGNMENT Title of Invention: STAPLE CARTRIDGE ASSEMBLY COMPRISING VARIOUS TISSUE COMPRESSION GAPS AND STAPLE FORMING GAPS 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 M number 14/836,163 filed on August 26, 2015. **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 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 Endo-Surgery, LLC 475 C Street, Suite 202 Guaynabo, 0969, Puerto Rico a Limited Liability Company of Delaware. (hereinafter designated as the "Assignee"), DO NOT CHECK THIS BOX UNLESS YOU ALREADY HAVE A SEPARATE ASSIGNMENT TO ATTACH 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: or For good and valuable consideration, the sufficiency of which is acknowledged, I hereby assign and transfer and/or have assigned and transferred to Assignee: my entire right, title, and interest in, to, and under the Application, including all priority rights for other countries arising therefrom and

Page 1 of 2

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

Attorney Docket No.: END7684USNP/150124 US Application No.: 14/836,163

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.

Anil K. Nalagatla LEGAL NAME OF INVENTOR	
Amil Nalagatle Signature	9/29/2015 Date

#### COMBINED DECLARATION AND ASSIGNMENT

COMBINED DECLARATION AND ASSIGNMENT
Γitle of Invention: STAPLE CARTRIDGE ASSEMBLY COMPRISING VARIOUS TISSUE COMPRESSION GAPS AND STAPLE FORMING GAPS
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>14/836,163</u> filed on <u>August 26, 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 disclos 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 comprisonment of not more than five (5) years, or both for filings of this Application in the United States of America.
Ethicon Endo-Surgery, LLC  475 C Street, Suite 202  Guaynabo, 0969, Puerto Rico
a Limited Liability Company of <u>Delaware</u> .
(hereinafter designated as the "Assignee"),
DO NOT CHECK THIS BOX UNLESS YOU ALREADY HAVE A SEPARATE ASSIGNMENT TO ATTACH  I hereby acknowledge that I have assigned the above-identified invention by previous assignment (attached hereto) to Assigne which is hereby conformed for recordation in the US Patent Office and I confirm I have and do assign and transfer:
or .
For good and valuable consideration, the sufficiency of which is acknowledged, I hereby assign and transfer and/or have assigned and transferred to Assignee:
my entire right, title, and interest in, to, and under the Application, including all priority rights for other countries arising therefrom an the right to claim priority to the Application, all inventions or discoveries therein disclosed, and any and all Letters Patent of the Unite States, European Patent Office and of all other countries, which may be granted for such inventions or discoveries, or any of them, a such inventions or discoveries and all rights in such Application including any and all provisionals, substitutions, divisions, an 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 us 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
Page 1 of 2

Attorney Docket No.: END7684USNP/150124
US Application No.: 14/836,163

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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 DiNardo	<u></u>
LEGAL NAME OF INVENTOR	
Bi DiNG	9/9/2015
Signature	Date

COMBINED	DECLARATION AND ASSIGNMENT
<b>Fitle of Invention:</b> <u>STAPLE CARTRIDGE ASTAPLE FORMING GAP</u>	SSEMBLY COMPRISING VARIOUS TISSUE COMPRESSION GAPS AND
This declaration and assignment is directed to:	
	The attached or filed herewith application of (list of named inventors)
or	
$\boxtimes$	The United States application or PCT international application number 14/836,163 filed on August 26, 2015.
Declaration	
As the below named inventor, I hereby decl	lare that:
The above-identified application ("Application	tion") was made or authorized by me.
I believe that I am the original inventor or a	an original inventor of a claimed invention or discovery in the Application.
I have reviewed and understood the conteinformation which is material to patentability as dethis 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 falsimprisonment of not more than five (5) years, or bot	e 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, LLC 475 C Street, Suite 202 Guaynabo, 0969, Puerto Rico
a Li	mited Liability Company of <u>Delaware</u> .
,	reinafter designated as the "Assignee"),
I hereby acknowledge that I have assigned	EADY HAVE A SEPARATE ASSIGNMENT TO ATTACH If 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	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 outtries, 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, ans, 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
	Page 1 of 2

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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.

Disha V. Labhasetwar\_

LEGAL NAME OF INVENTOR

Signature

Date 09/09/2015

### COMBINED DECLARATION AND ASSIGNMENT

COMBIN	ED DECLARATION AND ADDIGNALITY
Title of Invention: <u>STAPLE CARTRIDG</u> <u>STAPLE FORMING</u>	E ASSEMBLY COMPRISING VARIOUS TISSUE COMPRESSION GAPS AND GAPS
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 14/836,163 filed on August 26, 2015.
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 Americ	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, o	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 Endo-Surgery, LLC 475 C Street, Suite 202 Guaynabo, 0969, Puerto Rico
	a Limited Liability Company of Delaware.
I hereby acknowledge that I have assi	(hereinafter designated as the "Assignee"),  ALREADY HAVE A SEPARATE ASSIGNMENT TO ATTACH  gned the above-identified invention by previous assignment (attached hereto) to Assignee  the 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, a States, European Patent Office and of all other such inventions or discoveries and all rights continuations thereof, and to all Letters Pater supplementary protection certificates, reexaminations.	der the Application, including all priority rights for other countries arising therefrom and all inventions or discoveries therein disclosed, and any and all Letters Patent of the United or 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 nations, 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
	Page 1 of 2

Attorney Docket No.: END7684USNP/150124 US Application No.: 14/836,163

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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.

Chester O. Baxter, III	
LEGAL NAME OF INVENTOR	ſ
OR.	9/14/15
Signature	Date

# COMBINED DECLARATION AND ASSIGNMENT

Title of Invention: <u>STAPLE CARTRIDGE</u> <u>STAPLE FORMING G</u>	ASSEMBLY COMPRISING VARIOUS TISSUE COMPRESSION GAPS AND APS
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 14/836,163 filed on August 26, 2015.
Declaration	
As the below named inventor, I hereby d	declare that:
The above-identified application ("Appl	ication") was made or authorized by me.
I believe that I am the original inventor of	or an original inventor of a claimed invention or discovery in the Application.
I have reviewed and understood the coninformation which is material to patentability as this Application in the United States of America.	ntents 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
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Thereby acknowledge that I have assign	LREADY HAVE A SEPARATE ASSIGNMENT TO ATTACH ned 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
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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.

Jeffrey S. Swayze	·	
LEGAL NAME OF INVENTOR		
Jeffy 5 hory	9-9-2015	
Signature	Date	

# COMBINED DECLARATION AND ASSIGNMENT

Title of Invention: <u>STAPLE CARTRIDGE ASS</u> STAPLE FORMING GAPS	EMBLY COMPRISING VARIOUS TISSUE COMPRESSION GAPS AND
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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	Puline Fude Company LLC
	Ethicon Endo-Surgery, LLC 475 C Street, Suite 202 Guaynabo, 0969, Puerto Rico
a Limit	red Liability Company of <u>Delaware</u> .
(herein	nafter designated as the "Assignee"),
I hereby acknowledge that I have assigned th	ADY HAVE A SEPARATE ASSIGNMENT TO ATTACH 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 sassigned and transferred to Assignee:	ufficiency of which is acknowledged, I hereby assign and transfer and/or have
the right to claim priority to the Application, all inverse States, European Patent Office and of all other counts such inventions or discoveries and all rights in su continuations thereof, and to all Letters Patent that it is a continuation to the continuation of t	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 tries, 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
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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

Signature

Date

# COMBINED DECLARATION AND ASSIGNMENT

Title of Invention: STAPLE CARTRIDGE ASSEMBLY COMPRISING VARIOUS TISSUE COMPRESSION GAPS AND STAPLE FORMING GAPS
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>14/836,163</u> filed on <u>August 26, 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 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 mprisonment of not more than five (5) years, or both for filings of this Application in the United States of America.
Assignment  Ethicon Endo-Surgery, LLC  475 C Street, Suite 202
Guaynabo, 0969, Puerto Rico
a Limited Liability Company of <u>Delaware</u> .
(hereinafter designated as the "Assignee"),
DO NOT CHECK THIS BOX UNLESS YOU ALREADY HAVE A SEPARATE ASSIGNMENT TO ATTACH  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:
or
For good and valuable consideration, the sufficiency of which is acknowledged, I hereby assign and transfer and/or have assigned and transferred to Assignee:
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
Page 1 of 2

Attorney Docket No.: END7684USNP/150124 US Application No.: 14/836,163

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		
	9/8/15	
Signature	Date	

### COMBINED DECLARATION AND ASSIGNMENT

	COMBINED	DECLIARATION THE TRANSPORTER
Title of Invention: <u>S</u>	TAPLE CARTRIDGE AS TAPLE FORMING GAP	SSEMBLY COMPRISING VARIOUS TISSUE COMPRESSION GAPS AND
This declaration and assig	nment is directed to:	
		The attached or filed herewith application of (list of named inventors),
	or	
	$\boxtimes$	The United States application or PCT international application number <u>14/836,163</u> filed on <u>August 26, 2015</u> .
Declaration		
As the below nar	ned inventor, I hereby decl	are that:
The above-identi	ified application ("Applicat	tion") was made or authorized by me.
I believe that I ar	m the original inventor or a	n original inventor of a claimed invention or discovery in the Application.
I have reviewed information which is mat this Application in the U	erial 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
I hereby acknow imprisonment of not more	rledge that any willful false than five (5) years, 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		Ethicon Endo-Surgery, LLC 475 C Street, Suite 202 Guaynabo, 0969, Puerto Rico
	a Lir	mited Liability Company of <u>Delaware</u> .
	(her	einafter designated as the "Assignee"),
☐ I hereby acknow	vledge that I have assigned	EADY HAVE A SEPARATE ASSIGNMENT TO ATTACH 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 vassigned and transferred to	valuable consideration, the to Assignee:	e sufficiency of which is acknowledged, I hereby assign and transfer and/or have
the right to claim priority States, European Patent such inventions or disco continuations thereof, an	y to the Application, all im Office and of all other co overies and all rights in do to all Letters Patent the propertificates, reexamination	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
		Page 1 of 2

Attorney Docket No.: END7684USNP/150124 US Application No.: 14/836,163

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.

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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.

9 4 1015 Date