504539703 09/08/2017

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4586410

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
JEFFREY L. ALDRIDGE	08/22/2017
CHUNLIN YANG	09/02/2017
CHARLES J. SCHEIB	08/22/2017
VENKATARAMANAN MANDAKOLATHUR VASUDEVAN	08/18/2017
TAYLOR W. ARONHALT	08/22/2017
JOSEPH H. CONTILIANO	08/21/2017
MICHAEL S. CROPPER	08/21/2017
EUGENE L. TIMPERMAN	08/22/2017
CORTNEY E. HENDERSON	08/22/2017
KATHERINE J. SCHMID	08/21/2017
FREDERICK E. SHELTON IV	08/22/2017

#### **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:	15273389

### **CORRESPONDENCE DATA**

(412)355-6501 Fax Number:

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: piuspatents@klgates.com

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

**REEL: 043790 FRAME: 0770** 504539703

PATENT -

Address Line 4: PIT	PITTSBURGH, PENNSYLVANIA 15222-2613								
ATTORNEY DOCKET NUMBER:	END6843USCNT19/100528CN20								
NAME OF SUBMITTER:	CARA M. PINTO								
SIGNATURE:	/Cara M. Pinto/								
DATE SIGNED:	09/08/2017								
	This document serves as an Oath/Declaration (37 CFR 1.63).								

# **Total Attachments: 22**

source=END6843USCNT19-100528CN20-Signed-ComboDecAsn-all-inventors#page1.tif source=END6843USCNT19-100528CN20-Signed-ComboDecAsn-all-inventors#page2.tif source=END6843USCNT19-100528CN20-Signed-ComboDecAsn-all-inventors#page3.tif source=END6843USCNT19-100528CN20-Signed-ComboDecAsn-all-inventors#page4.tif source=END6843USCNT19-100528CN20-Signed-ComboDecAsn-all-inventors#page5.tif source=END6843USCNT19-100528CN20-Signed-ComboDecAsn-all-inventors#page6.tif source=END6843USCNT19-100528CN20-Signed-ComboDecAsn-all-inventors#page7.tif source=END6843USCNT19-100528CN20-Signed-ComboDecAsn-all-inventors#page8.tif source=END6843USCNT19-100528CN20-Signed-ComboDecAsn-all-inventors#page9.tif source=END6843USCNT19-100528CN20-Signed-ComboDecAsn-all-inventors#page10.tif source=END6843USCNT19-100528CN20-Signed-ComboDecAsn-all-inventors#page11.tif source=END6843USCNT19-100528CN20-Signed-ComboDecAsn-all-inventors#page12.tif source=END6843USCNT19-100528CN20-Signed-ComboDecAsn-all-inventors#page13.tif source=END6843USCNT19-100528CN20-Signed-ComboDecAsn-all-inventors#page14.tif source=END6843USCNT19-100528CN20-Signed-ComboDecAsn-all-inventors#page15.tif source=END6843USCNT19-100528CN20-Signed-ComboDecAsn-all-inventors#page16.tif source=END6843USCNT19-100528CN20-Signed-ComboDecAsn-all-inventors#page17.tif source=END6843USCNT19-100528CN20-Signed-ComboDecAsn-all-inventors#page18.tif source=END6843USCNT19-100528CN20-Signed-ComboDecAsn-all-inventors#page19.tif source=END6843USCNT19-100528CN20-Signed-ComboDecAsn-all-inventors#page20.tif source=END6843USCNT19-100528CN20-Signed-ComboDecAsn-all-inventors#page21.tif source=END6843USCNT19-100528CN20-Signed-ComboDecAsn-all-inventors#page22.tif

	Attorney Docket No.: <u>END6843USCNT19/100528CN20</u> US Application No.: <u>15/273,389</u>
COMBINED	DECLARATION AND ASSIGNMENT
Title of Invention: TISSUE THICKNESS C	COMPENSATOR COMPRISING RESILIENT MEMBERS
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 <u>15/273,389</u> filed on <u>September 22, 2016</u> .
Declaration	
As the below named inventor, I hereby dec	clare that:
The above-identified application ("Applica	ation") was made or authorized by me.
I believe that I am the original inventor or	an original inventor of a claimed invention or discovery in the Application.
I have reviewed and understood the conte information which is material to patentability as do this Application 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 fals imprisonment of not more than five (5) years, or bot	se statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or th 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 <u>Delaware</u> .
(her	reinafter designated as the "Assignee"),
I hereby acknowledge that I have assigned which is hereby conformed for recordation in the US	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 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 invictates, European Patent Office and of all other consuch inventions or discoveries and all rights in continuations thereof, and to all Letters Patent that supplementary protection certificates, 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 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 leent and sale not been made.

Page 1 of 2

US Application No.: 15/273,389

I shall execute all papers necessary in connection with the Application in the United States Patent and Trademark Office, European Patent Office, any other patent offices, and under the Patent Cooperation Treaty, and any continuing, divisional, or reissue applications thereof, any reexamination of any of such applications, and any patent term extensions or supplementary protection certificates of any such applications and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

I shall execute all papers necessary in connection with any litigation or any other judicial proceeding in the United States or other country, or any administrative proceeding in the United States Patent and Trademark Office, European Patent Office, any other patent office, or under the Patent Cooperation Treaty concerning the Application(s) or any continuation, divisional, or reissue applications thereof, or any reexamination of any such applications, or any Letters Patent issued therefrom or any patent term extensions or supplementary protection certificates of any such applications and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such litigation or proceeding.

I shall execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

I shall do all other acts which, in the opinion of Assignee, may be necessary or desirable to secure the grant of Letters Patent to Assignee or its nominees, in the United States, by the European Patent Office and in all other countries where Assignee may desire to have such inventions or discoveries, or any of them, patented, with specifications and claims in such form as shall be approved by Assignee and to vest and confirm in Assignee or its nominees the full and complete legal and equitable title to all such Letters Patent.

I hereby (i) authorize and request the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from the Application or any divisional, continuation, or reissue applications thereof, and any reexamination of any of such applications, to Assignee, and (ii) covenant that I have full right to convey the interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

I hereby grant the attorney of record the power to insert on this assignment any further identification which may be necessary or desirable in order to obtain legal recordation of this document.

Jeffrey L. Aldridge
LEGAL NAME OF INVENTOR

Signafurd

Signafurd

Date

Afterney Docker No. 13(16)421/90 VT 19/100380

# US Application No. 1577 339

## COMBINED DECLARATION AND ASSIGNMENT

																	m.	

This declaration and assignment is directed to:

The attached or filed herewith application of (flat of named inventors)

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W

The United States application or PCT international application number 15,273,389 filed on September 22, 2016

### Declaration

As the below named inventor, I bereby 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 fittings of this Application in the United States of America.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 1841 S.C. § 1901 by fine or imprisonment of not more than five (5) years, or both for fillings of this Application in the United States of America

# Assignment

Efficient LLC 9475 Street C, Suite 401 Los Fraites Industrial Park Guaynabo, Paerto Rico 00969

a Lamited Leability Company of Deligrans

Charematter designated as the "Assignee")

I hereby acknowledge that I have assigned the above-identified invention by previous assignment (attached hereto) to Assigned 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 transfered to Assignee

as came right ride, and interest in, to and under the Application, including all priority rights for other counties arising therefore and the Taglic Document of Application, all inventions or discoveries therein Clackwed, and any and all correct Taglic Claused States. Exception Fraging of the Counties, which may be granted for each inventions or discoveries or any of them, all the Counties are discoveries and all rights in such Application including any and all provisionals, submittains, discoveries, and to all rights in such Application including any and all provisionals, submittains, discoveries, and to all testers Patent and for such inventions and discoveries, and in and to all exceptions are discoveries, and in and to all exceptions are applicated by the following accounts of the such such leaders because the granted as fully and except on the same would be been body and except by the same would be seen to be an exception of the same would be seen to be an exception or the same would be seen to be an exception or the same would be seen to be an exception or the same would be seen to be a considered by the same would be seen to be a considered by the same would be seen to be a considered by the same would be seen to be

Attorney Dogwer No. [20] 9684 [CN] 97 (CN) 1877 (CN)

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 Perent 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 Assigned may down 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 Applications) or any continuation, divisional, or resource applications thereof, or any recognitation of any such applications, or any Letters Patent issued therefrom or any patent term extensions or adjustmentary 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 Projection of Industrial Property or Statiler agreements.

I shall do all other acts which, in the opinion of Assignce, 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 Assignce and to vest and confirm in Assignce or its nominees the full and complete legal and equitable title to all such Letters Patent.

I hereby (i) sufficing and request the Commissioner of Patents to usual 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 not executed and will not execute, any agreement in conflict herewith.

Electrony grant the alternay of record the power to insert on this assignment any further identification which may be necessary or destroble to order to obtain legal recordation of the document.

Chunlin Yang

LEGAL NAME OF INVENTOR

Silver State

Oan

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Page 2 of 2

Attorney Docket No.: END6843USCNT19/100528CN20
US Application No.: 15/273 389

	US Application No.: <u>13/2/3,389</u>
COMBINE	ED DECLARATION AND ASSIGNMENT
Title of Invention: TISSUE THICKNESS	COMPENSATOR COMPRISING RESILIENT MEMBERS
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 15/273,389 filed on September 22, 2016.
Declaration	
As the below named inventor, I hereby of	declare that:
The above-identified application ("Appl	ication") 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.
	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
	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 Rico 00969
a	Limited Liability Company of <u>Delaware</u> .
(	hereinafter designated as the "Assignee"),
	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
the 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, reexamina	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 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, tions, 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 nment and sale not been made.
	Page 1 of 2

US Application No.: 15/273,389

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	
Clarkey School	8/22/2017
Signature	Date

Attorney Ducket No.: END6843USCNT19/100528CN20 US Application No.: 15/273,389 COMBINED DECLARATION AND ASSIGNMENT Title of Invention: TISSUE THICKNESS COMPENSATOR COMPRISING RESILIENT MEMBERS This declaration and assignment is directed to: The attached or filed herewith application of (list of named inventors) ٥r  $\boxtimes$ The United States application or PCT international application number 15/273,389 filed on September 22, 2016. 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 LLC #475 Street C, Suite 401 Los Frailes Industrial Park Guaynabo, Puerto Rico 00969 a Limited Liability Company of Delaware. (hereinafter 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: or  $\boxtimes$ 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 Assignce for its own use

M.V.

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.

Attorney Docket No.: <u>END6843USCNT19/100528CN20</u> US Application No.: <u>15/273,389</u>

I shall execute all papers necessary in connection with the Application in the United States Patent and Trademark Office, European Patent Office, any other patent offices, and under the Patent Cooperation Treaty, and any continuing, divisional, or reissue applications thereof, any reexamination of any of such applications, and any patent term extensions or supplementary protection certificates of any such applications and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

I shall execute all papers necessary in connection with any litigation or any other judicial proceeding in the United States or other country, or any administrative proceeding in the United States Patent and Trademark Office, European Patent Office, any other patent office, or under the Patent Cooperation Treaty concerning the Application(s) or any continuation, divisional, or reissue applications thereof, or any reexamination of any such applications, or any Letters Patent issued therefrom or any patent term extensions or supplementary protection certificates of any such applications and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such litigation or proceeding.

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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 confurm 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.

Venkataramanan Mandakolathur Vasudevan	
LEGAL NAME OF INVENTOR	
M.V. US	AUGUST 18, 2017
Signature	Date

Page 2 of 2

Attorney Docket No.: <u>END6843USCNT19/100528CN20</u> US Application No.: <u>15/273,389</u>

COMBINED DECLARATION AND ASSIGNMENT										
Title of Invention: TISSUE THICKNESS COMPENSATOR COMPRISING RESILIENT MEMBERS										
This declaration and assignment is directed to:										
☐ The attached	or filed herewith application of (list of named inventors),									
or										
	tates application or PCT international application 73,389 filed on September 22, 2016.									
Declaration										
As the below named inventor, I hereby declare that:										
The above-identified application ("Application") was made	le or authorized by me.									
I believe that I am the original inventor or an original inve	entor of a claimed invention or discovery in the Application.									
I have reviewed and understood the contents of the Application, including the claims, and I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of this Application in the United States of America.										
I hereby acknowledge that any willful false statement main imprisonment of not more than five (5) years, or both for filings of	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.									
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 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 cassigned and transferred to Assignee:	of which is acknowledged, I hereby assign and transfer and/or have									
my entire right, title, and interest in, to, and under the Application, including all priority rights for other countries arising therefrom and the right to claim priority to the Application, all inventions or discoveries therein disclosed, and any and all Letters Patent of the United States, European Patent Office and of all other countries, which may be granted for such inventions or discoveries, or any of them, all such inventions or discoveries and all rights in such Application including any and all provisionals, substitutions, divisions, and continuations thereof, and to all Letters Patent that may be granted for said inventions and discoveries, and in and to all extensions, supplementary protection certificates, reexaminations, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me had this assignment and sale not been made.										
Pag	ge 1 of 2									

Attorney Docket No.: <u>END6843USCNT19/100528CN20</u>
US Application No.: 15/273,389

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 (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.

2-2017

Attorney Docket No.:	END6843USCNT19/100528CN20
•	US Application No.: 15/273,389

	US Application No.: <u>15/273,389</u>
	COMBINED DECLARATION AND ASSIGNMENT
Titl	e of Invention: TISSUE THICKNESS COMPENSATOR COMPRISING RESILIENT MEMBERS
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 15/273,389 filed on September 22, 2016.
Dec	laration
	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 mation which is material to patentability as defined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of Application in the United States of America.
impri	I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or sonment of not more than five (5) years, or both for filings of this Application in the United States of America.
Assi	gnment
	Ethicon LLC #475 Street C, Suite 401 Los Frailes Industrial Park Guaynabo, Puerto Rico 00969
	a Limited Liability Company of Delaware.
	(hereinafter designated as the "Assignee"),
   which	I hereby acknowledge that I have assigned the above-identified invention by previous assignment (attached hereto) to Assignee is hereby conformed for recordation in the US Patent Office and I confirm I have and do assign and transfer:
or	
⊠ assign	For good and valuable consideration, the sufficiency of which is acknowledged, I hereby assign and transfer and/or have led and transferred to Assignee:
States such contin supple and er	tire right, title, and interest in, to, and under the Application, including all priority rights for other countries arising therefrom and ght to claim priority to the Application, all inventions or discoveries therein disclosed, and any and all Letters Patent of the United, European Patent Office and of all other countries, which may be granted for such inventions or discoveries, or any of them, all inventions or discoveries and all rights in such Application including any and all provisionals, substitutions, divisions, and uations thereof, and to all Letters Patent that may be granted for said inventions and discoveries, and in and to all extensions, ementary protection certificates, reexaminations, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own use all of the term or terms for which such Letters Patent may be granted, as fully and entirely as the same would been held and enjoyed by me had this assignment and sale not been made.
	n 4 60°
	Page 1 of 2

US Application No.; <u>15/273,389</u>

I shall execute all papers necessary in connection with the Application in the United States Patent and Trademark Office, European Patent Office, any other patent offices, and under the Patent Cooperation Treaty, and any continuing, divisional, or reissue applications thereof, any reexamination of any of such applications, and any patent term extensions or supplementary protection certificates of any such applications and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

I shall execute all papers necessary in connection with any litigation or any other judicial proceeding in the United States or other country, or any administrative proceeding in the United States Patent and Trademark Office, European Patent Office, any other patent office, or under the Patent Cooperation Treaty concerning the Application(s) or any continuation, divisional, or reissue applications thereof, or any reexamination of any such applications, or any Letters Patent issued therefrom or any patent term extensions or supplementary protection certificates of any such applications and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such litigation or proceeding.

I shall execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

I shall do all other acts which, in the opinion of Assignee, may be necessary or desirable to secure the grant of Letters Patent to Assignee or its nominees, in the United States, by the European Patent Office and in all other countries where Assignee may desire to have such inventions or discoveries, or any of them, patented, with specifications and claims in such form as shall be approved by Assignee and to vest and confirm in Assignee or its nominees the full and complete legal and equitable title to all such Letters Patent.

I hereby (i) authorize and request the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from the Application or any divisional, continuation, or reissue applications thereof, and any reexamination of any of such applications, to Assignee, and (ii) covenant that I have full right to convey the interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

I hereby grant the attorney of record the power to insert on this assignment any further identification which may be necessary or desirable in order to obtain legal recordation of this document.

Joseph H. Contiliano

LEGAL NAME OF INVENTOR

Simplura

Date

Tugust 21, 2017

Attorney Docket No.: END6843USCNT19/100528CN20
US Application No.: 15/273,389

COMBINET	D DECLARATION AND ASSIGNMENT
Title of Invention: TISSUE THICKNESS C	COMPENSATOR COMPRISING RESILIENT MEMBERS
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>15/273,389</u> filed on <u>September 22, 2016</u> .
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.
I have reviewed and understood the continformation which is material to patentability as of this Application in the United States of America.	tents 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
I hereby acknowledge that any willful falimprisonment of not more than five (5) years, or be	lse 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 I	imited Liability Company of Delaware.
(h	ereinafter designated as the "Assignee"),
I hereby acknowledge that I have assigne which is hereby conformed for recordation in the I	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, the assigned and transferred to Assignee:	he sufficiency of which is acknowledged, I hereby assign and transfer and/or have
the right to claim priority to the Application, all i States, European Patent Office and of all other c such inventions or discoveries and all rights in continuations thereof, and to all Letters Patent the supplementary protection certificates, reexamination	r the Application, including all priority rights for other countries arising therefrom and niventions 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 a 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, 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 ament and sale not been made.
	Page 1 of 2

US Application No.: 15/273,389

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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.

Michael S. Cropper	
LEGAL NAME OF INVENTOR	
Marked S. Son	8-21-17
Signature	Date

		US Application No.: <u>15/273,389</u>
CC	MBINED	DECLARATION AND ASSIGNMENT
Title of Invention: TISSUE THI	CKNESS C	OMPENSATOR COMPRISING RESILIENT MEMBERS
This declaration and assignment is dire	ected to:	
		The attached or filed herewith application of (list of named inventors),
	or	
	$\boxtimes$	The United States application or PCT international application number <u>15/273,389</u> filed on <u>September 22, 2016</u> .
Declaration		
As the below named inventor	, I hereby de	clare that:
The above-identified applicat	ion ("Applic	ation") was made or authorized by me.
I believe that I am the origina	l inventor or	an original inventor of a claimed invention or discovery in the Application.
	ntability as d	ents of the Application, including the claims, and I acknowledge the duty to disclose lefined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of
		se statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or oth for filings of this Application in the United States of America.
Assignment		Ethicon LLC #475 Street C, Suite 401
		Los Frailes Industrial Park Guaynabo, Puerto Rico 00969
	a L	imited Liability Company of <u>Delaware</u> .
	(he	ereinafter 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 consassigned and transferred to Assignee:	sideration, th	ne 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 reexamination	r 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 ountries, which may be granted for such inventions or discoveries, or any of them, all a such Application including any and all provisionals, substitutions, divisions, and nat may be granted for said inventions and discoveries, and in and to all extensions, ons, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own use for which such Letters Patent may be granted, as fully and entirely as the same would ment and sale not been made.
	•	
		Page 1 of 2

US Application No.: 15/273,389

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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Eugene L. Timperman

LEGAL NAME OF INVENTOR

Eugue & Jumperman

8-22-20

Date

	US Application No.: <u>15/273,389</u>
COMBI	NED DECLARATION AND ASSIGNMENT
Title of Invention: TISSUE THICKNE	SS COMPENSATOR COMPRISING RESILIENT MEMBERS
This declaration and assignment is directed to:	
Ε	The attached or filed herewith application of (list of named inventors),
C	or <sup>*</sup>
	The United States application or PCT international application number 15/273,389 filed on September 22, 2016.
Declaration	
As the below named inventor, I hereb	y declare that:
The above-identified application ("Application ("Applicati	oplication") was made or authorized by me.
I believe that I am the original invento	or or an original inventor of a claimed invention or discovery in the Application.
	contents of the Application, including the claims, and I acknowledge the duty to disclose as defined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of ca.
	al 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 Delaware.
	(hereinafter designated as the "Assignee"),
	igned the above-identified invention by previous assignment (attached hereto) to Assignee he US Patent Office and I confirm I have and do assign and transfer:
or	
☐ For good and valuable consideration assigned and transferred to Assignee:	n, 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 oth such inventions or discoveries and all right continuations thereof, and to all Letters Pater supplementary protection certificates, reexaminations.	nder 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 er countries, which may be granted for such inventions or discoveries, or any of them, all is in such Application including any and all provisionals, substitutions, divisions, and it 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 use rms for which such Letters Patent may be granted, as fully and entirely as the same would signment and sale not been made.
	Page 1 of 2

US Application No.: 15/273,389

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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.

Cortney E. Henderson

LEGAL NAME OF INVENTOR

Signature

8/22/17

Date

	Attorney Docket No.: <u>END6843USCNT19/100528CN20</u> US' Application No.: <u>15/273,389</u>
COMBINEI	D DECLARATION AND ASSIGNMENT
Title of Invention: TISSUE THICKNESS C	COMPENSATOR COMPRISING RESILIENT MEMBERS
This declaration and assignment is directed to:	
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	The United States application or PCT international application number 15/273,389 filed on September 22, 2016.
Declaration	
As the below named inventor, I hereby de	clare 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 LLC #475 Street C, Suite 401 Los Frailes Industrial Park Guaynabo, Puerto Rico 00969
a L	imited Liability Company of <u>Delaware</u> .
(he	creinafter designated as the "Assignee"),
	d the above-identified invention by previous assignment (attached hereto) to Assignee IS Patent Office and I confirm I have and do assign and transfer:
or	
For good and valuable consideration, the assigned and transferred to Assignee:	ne sufficiency of which is acknowledged, I hereby assign and transfer and/or have
	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

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Page 1 of 2

US Application No.: 15/273,389

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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.

Katherine J. Schmid

LEGAL NAME OF INVENTOR

Cimoturo

8-21-2017

Date

Attorney Docket No.:	END6843USCNT19/100528CN20

US Application No.: 15/273,389

		US Application No.: 15/2/3,389
	COMBINED	DECLARATION AND ASSIGNMENT
Title of Invention:	TISSUE THICKNESS CO	OMPENSATOR COMPRISING RESILIENT MEMBERS
This declaration and assi	ignment is directed to:	
		The attached or filed herewith application of (list of named inventors),
	or	
		The United States application or PCT international application number 15/273,389 filed on September 22, 2016.
Declaration		
As the below na	amed inventor, I hereby decl	are that:
The above-iden	tified application ("Applicat	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.
information which is ma	d and understood the content aterial to patentability as def United States of America.	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 a 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 <u>Delaware</u> .
	(here	inafter 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 assigned and transferred		sufficiency of which is acknowledged, I hereby assign and transfer and/or have
the right to claim priority States, European Patent such inventions or disc continuations thereof, as supplementary protection and enjoyment to the ful	y to the Application, all invo- coffice and of all other count coveries and all rights in so and to all Letters Patent that an certificates, reexaminations	ne 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 uch 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.
	,	Page 1 of 2

US Application No.: 15/273,389

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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.

Frederick E. Shelton, IV

LEGAL NAME OF INVENTOR

Signature

Date

Page 2 of 2