10/12/2017 504590306

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4637018

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
BRIAN J. THOMPSON	03/14/2017
MARCO A. MANGIATERRA	10/09/2017
MARGARET D. SHAFFER	03/17/2017
JEREMY M. YARWOOD	03/27/2017

## **RECEIVING PARTY DATA**

Name:	ETHICON, INC.
Street Address:	US STATE ROUTE 22
City:	SOMERVILLE
State/Country:	NEW JERSEY
Postal Code:	08876

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

Property Type	Number
Application Number:	15441707

### **CORRESPONDENCE DATA**

Fax Number: (513)651-6981

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: 513-651-6800 Email: Igroves@fbtlaw.com **Correspondent Name:** ANDREW B. ULMER

Address Line 1: 3300 GREAT AMERICAN TOWER

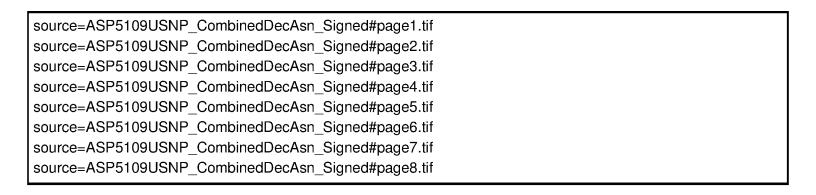
Address Line 2: 301 E. FOURTH STREET Address Line 4: CINCINNATI, OHIO 45202

ATTORNEY DOCKET NUMBER:	ASP5109USNP.0644813
NAME OF SUBMITTER:	ANDREW B. ULMER
SIGNATURE:	/Andrew B. Ulmer/
DATE SIGNED:	10/12/2017
	This document serves as an Oath/Declaration (37 CFR 1.63).

**Total Attachments: 8** 

**PATENT** REEL: 043844 FRAME: 0236

504590306



PATENT REEL: 043844 FRAME: 0237

	11
COMBIN	ED DECLARATION AND ASSIGNMENT
Title of Invention: <u>APPARATUS AND M</u>	ETHOD FOR STERILIZING MEDICAL DEVICES
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>15/441,707</u> filed on <u>February 24, 2017</u> .
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 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.	
	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, Inc. US State Route 22 Somerville, New Jersey 08876
A co	orporation of the state or country of <u>New Jersey</u>
	(hereinafter designated as the "Assignee"),
	gned 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
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.	
	Daga 1 of 2

Page 1 of 2

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.

Brian J. Thompson

LEGAL NAME OF INVENTOR

Stonature

MARCH 14, 2017

Date

# COMBINED DECLARATION AND ASSIGNMENT

Title of Invention: APPARATUS AND METHOD FOR STERILIZING ME	DICAL DEVICES
This declaration and assignment is directed to:	
The attached or filed herewing	th application of (list of named inventors),
or	
The United States application number 15/441,707 filed on	n or PCT international application <u>February 24, 2017</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 claime	ed invention or discovery in the Application.
I have reviewed and understood the contents of the Application, includinformation which is material to patentability as defined in Title 37, the United States of America.	
I hereby acknowledge that any willful false statement made in this declar imprisonment of not more than five (5) years, or both for filings of this Application	
Assignment	
Ethicon, Inc. US State Route 22 Somerville, New Jersey 0887	76
A corporation of the state or country of	New Jersey
(hereinafter designated as the "Ass	signee"),
I hereby acknowledge that I have assigned the above-identified invention which is hereby conformed for recordation in the US Patent Office and I confirm I	
or	
For good and valuable consideration, the sufficiency of which is ack assigned and transferred to Assignee:	nowledged, I hereby assign and transfer and/or have
my entire right, title, and interest in, to, and under the Application, including all the right to claim priority to the Application, all inventions or discoveries therein States, European Patent Office and of all other countries, which may be granted such inventions or discoveries and all rights in such Application including a continuations thereof, and to all Letters Patent that may be granted for said inventions protection certificates, reexaminations, renewals, and reissues there and enjoyment to the full end of the term or terms for which such Letters Patent rehave been held and enjoyed by me had this assignment and sale not been made.	disclosed, and any and all Letters Patent of the United for such inventions or discoveries, or any of them, all my and all provisionals, substitutions, divisions, and ventions and discoveries, and in and to all extensions, eof, to be held and enjoyed by Assignee for its own use
Page 1 of 2	

PATENT REEL: 043844 FRAME: 0240

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

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

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

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

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

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

LEGAL NAME OF INVENTOR	
L2_	10/9/2017
Signature	Date

Marco A. Mangiaterra

Page 2 of 2

COMBINED DECLARATION AND ASSIGNMENT	
Title of Invention: APPARATUS AND METHOD FOR STERILIZING MEDICAL DEVICES	
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 15/441,707 filed on February 24, 2017.	
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 o imprisonment of not more than five (5) years, or both for filings of this Application in the United States of America.	
Ethicon, Inc.  US State Route 22  Somerville, New Jersey 08876  A corporation of the state or country of New Jersey	
(hereinaster designated as the "Assignee"),	
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 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 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 have been held and enjoyed by me had this assignment and sale not been made.	
Page 1 of 2	

Page 1 of 2

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.

Margaret D. Shaffer
LEGAL NAME OF INVENTOR

Mary ort J. Shoffer \_\_\_\_

3/17/2017 Date

Page 2 of 2

COMBINED DECLARATION AND ASSIGNMENT		
Fitle of Invention: A	PPARATUS AND METH	IOD FOR STERILIZING MEDICAL DEVICES
· This declaration and assigi	nment is directed to:	
		The attached or filed herewith application of (list of named inventors),
	or	<i>;</i>
	$\boxtimes$	The United States application or PCT international application number <u>15/441,707</u> filed on <u>February 24, 2017</u> .
Declaration		
As the below nam	ned inventor, I hereby dec	lare that:
The above-identit	fied application ("Applica	tion") was made or authorized by me.
I believe that I an	n the original inventor or a	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, Inc. US State Route 22 Somerville, New Jersey 08876
	•	ration of the state or country of New Jersey
	(her	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:		
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 have been held and enjoyed by me had this assignment and sale not been made.		
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Page 1 of 2

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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.

Jeremy M. Yarwood
LEGAL NAME OF INVENTOR

Signature

03-27-2017

Date

Page 2 of 2