## 505973194 03/18/2020

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6019902

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
EITAN T. WIENER	02/20/2020
KENNETH S. KRAMER	03/05/2020
ASHVANI K. MADAN	02/17/2020
KEVIN L. HOUSER	02/19/2020

### **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:	16539122

### **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) 355-8276

**Email:** piuspatents@klgates.com

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

Address Line 4: PITTSBURGH, PENNSYLVANIA 15222-2613

ATTORNEY DOCKET NUMBER:	END6132USCNT3/070130CON3
NAME OF SUBMITTER:	CARA M. PINTO
SIGNATURE:	/Cara M. Pinto/
DATE SIGNED:	03/18/2020
	This document serves as an Oath/Declaration (37 CFR 1.63).

PATENT 505973194 REEL: 052152 FRAME: 0379

# Total Attachments: 8 source=signed\_combined\_declarations-assignments#page1.tif source=signed\_combined\_declarations-assignments#page2.tif source=signed\_combined\_declarations-assignments#page3.tif source=signed\_combined\_declarations-assignments#page4.tif source=signed\_combined\_declarations-assignments#page5.tif source=signed\_combined\_declarations-assignments#page6.tif

source=signed\_combined\_declarations-assignments#page7.tif source=signed\_combined\_declarations-assignments#page8.tif

PATENT REEL: 052152 FRAME: 0380

US Application No.: 16/539,122

		OS Application No.: 10/539,122
	OMBINED	DECLARATION AND ASSIGNMENT
Title of Invention: SURGICA	L INSTRUMI	<u>ents</u>
This declaration and assignment is d	irected to:	생물을 하는 것이 되는 것이 되었다. 그들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람
	П	The attached or filed herewith application of (list of named inventors),
	or	
	⊠	The United States application or PCT international application number 16/539,122 filed on August 13, 2019.
Declaration		
As the below named invento	or, I hereby dec	lare that:
The above-identified applic	ation ("Applica	tion") was made or authorized by me.
	din in a mandine dia	an original inventor of a claimed invention or discovery in the Application.
I have reviewed and unders	stood the conte	ints 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 a imprisonment of not more than five (	iny willful fals 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 LLC #475 Street C, Suite 401 Los Frailes Industrial Park Guaynabo, Puerto Rico 00969
	a Lii	mited Liability Company of <u>Delaware</u> .
	(her	einafter designated as the "Assignee"),
I hereby acknowledge that I which is hereby conformed for record	have assigned lation in the US	the above-identified invention by previous assignment (attached hereto) to Assignee Patent Office and I confirm I have and do assign and transfer:
or		
	sideration, the	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,	lication, all involf all other cou all rights in sters Patent that reexamination erm or terms for	the Application, including all priority rights for other countries arising therefrom and centions or discoveries therein disclosed, and any and all Letters Patent of the United antries, which may be granted for such inventions or discoveries, or any of them, all such Application including any and all provisionals, substitutions, divisions, and a 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

PATENT REEL: 052152 FRAME: 0381

US Application No.: 16/539,122

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.

Eitan T. Wiener LEGAL NAME OF INVENTOR

Date

02/20/2020

Page 2 of 2

		US Application No.: <u>16/539,122</u>
COME	BINED	DECLARATION AND ASSIGNMENT
Title of Invention: SURGICAL INST	CRUME	<u>NTS</u>
This declaration and assignment is directed	to:	
		The attached or filed herewith application of (list of named inventors),
	or	
		The United States application or PCT international application number 16/539,122 filed on August 13, 2019.
Declaration		
As the below named inventor, I he	reby dec	lare that:
The above-identified application (	'Applica	tion") was made or authorized by me.
I believe that I am the original inve	entor or a	m original inventor of a claimed invention or discovery in the Application.
	ity as de	nts of the Application, including the claims, and I acknowledge the duty to disclose fined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of
		e statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or h for filings of this Application in the United States of America.
Assignment		
		Ethicon LLC #475 Street C, Suite 401 Los Frailes Industrial Park Guaynabo, Puerto Rico 00969
	a Li	mited Liability Company of <u>Delaware</u> .
	(her	einafter designated as the "Assignee"),
		the above-identified invention by previous assignment (attached hereto) to Assignee Patent Office and I confirm I have and do assign and transfer:
or		
For good and valuable considerantsigned and transferred to Assignce:	tion, the	sufficiency of which is acknowledged, I hereby assign and transfer and/or have
he right to claim priority to the Application States, European Patent Office and of all such inventions or discoveries and all ricontinuations thereof, and to all Letters Paupplementary protection certificates, reexamples.	n, all invother conghts in atent that in the atent that in the atent that in the atents is terms in the atents in terms in the atents in terms in the atents	the Application, including all priority rights for other countries arising therefrom and ventions or discoveries therein disclosed, and any and all Letters Patent of the United antries, which may be granted for such inventions or discoveries, or any of them, all such Application including any and all provisionals, substitutions, divisions, and t may be granted for said inventions and discoveries, and in and to all extensions, as, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own use for which such Letters Patent may be granted, as fully and entirely as the same would sent and sale not been made.

Page 1 of 2

US Application No.: 16/539,122

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.

Kenneth S. Kramer
LEGAL NAME OF INVENTOR

Signature

Signature

Signature

Attorney Docket No.: <u>END6132USCNT3/070130CON3</u> US Application No.: <u>16/539,122</u>

COMBINED	DECLARATION AND ASSIGNMENT
Title of Invention: SURGICAL INSTRUME	<u>NTS</u>
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>16/539,122</u> filed on <u>August 13, 2019</u> .
Declaration	
As the below named inventor, I hereby decl	are that:
The above-identified application ("Applicat	tion") 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.
I have reviewed and understood the conter information which is material to patentability as def this 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 false imprisonment of not more than five (5) years, or both	e statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or for filings of this Application in the United States of America.
Assignment	Ethicon LLC #475 Street C, Suite 401 Los Frailes Industrial Park Guaynabo, Puerto Rico 00969
a Lim	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 valuable consideration, the assigned and transferred to Assignee:	sufficiency of which is acknowledged, I hereby assign and transfer and/or have
the right to claim priority to the Application, all investates, European Patent Office and of all other coursuch inventions or discoveries and all rights in succontinuations thereof, and to all Letters Patent that supplementary protection certificates, reexaminations	the Application, including all priority rights for other countries arising therefrom and entions or discoveries therein disclosed, and any and all Letters Patent of the United atries, which may be granted for such inventions or discoveries, or any of them, all such Application including any and all provisionals, substitutions, divisions, and may be granted for said inventions and discoveries, and in and to all extensions, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own use r which such Letters Patent may be granted, as fully and entirely as the same would not and sale not been made.

Page 1 of 2

US Application No.: <u>16/539,122</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.

Ashvani K. Madan LEGAL NAME OF INVENTOR	
Jshvani L. Madan Signature	2/17/2020
Signature	Date

		Attorney Docket No.: <u>BND6132USCNT3/070130CON3</u> US Application No.: <u>16/539,122</u>
	COMBINE	D DECLARATION AND ASSIGNMENT
Title of Invention: SURGI		[190] 독하기 마음이 얼마나 하일만 하고 있다면서 살아 하는 사람들이 되었다. 그는 그는 그는 그는 그는 그는 그를 다 하는 그는 것이다.
This declaration and assignment	7 (144) 127 (17 16년) 프로노 프로그 8	
		The attached or filed herewith application of (list of named inventors),
	or	unio di Promine della compania di Promine di Promine di Compania di Promine di
	×	The United States application or PCT international application number 16/539,122 filed on August 13, 2019.
Declaration		
As the below named inv	entor, I hereby de	clare that:
The above-identified app	olication ("Applic	ation") was made or authorized by me.
I believe that I am the or	iginal inventor or	an original inventor of a claimed invention or discovery in the Application.
I have reviewed and uninformation which is material to this Application in the United Sta	patentability 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
I hereby acknowledge the imprisonment of not more than five	at any willful fal ve (5) years, or bo	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		
		Bthicon LLC
		#475 Street C, Suite 401 Los Frailes Industrial Park
		Guaynabo, Puerto Rico 00969
	a L	imited Liability Company of <u>Delaware</u> .
	400 00 0 1 Jan 19	소리 그는 사이트 바로 열린 시민에 가장 내 그리고 있으면서 그 그는 그는 그는 그는 그를 모양한 것으로 가장 보는 것이다.

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.

Page 1 of 2

US Application No.: 16/539,122

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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.

Kevin L. Houser

LEGAL NAME OF INVENTOR

Signature

19-1EB-2020

Date

Page 2 of 2