PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5966316

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
AUSTIN E. WISE	01/23/2020
ADAM D. HENSEL	12/17/2019
LAUREN S. WEANER	01/17/2020
FREDERICK E. SHELTON IV	01/09/2020

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:	16537856

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:	END7674USCNT1/150109CON1
NAME OF SUBMITTER:	CARA M. PINTO
SIGNATURE:	/Cara M. Pinto/
DATE SIGNED:	02/17/2020
	This document serves as an Oath/Declaration (37 CFR 1.63).

PATENT REEL: 051830 FRAME: 0400

505919599

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: 051830 FRAME: 0401

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		US Application No.: <u>16/537,856</u>
	COMBINED	DECLARATION AND ASSIGNMENT
Title of Invention: INSTRUMENTS	MOVABLE FIRING 1	BEAM SUPPORT ARRANGEMENTS FOR ARTICULATABLE SURGICAL
This declaration and assign	nment is directed to:	5. 즐겁다 1. 1 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
		The attached or filed herewith application of (list of named inventors),
	×	The United States application or PCT international application number 16/537,856 filed on August 12, 2019.
Declaration		
As the below nan	ned inventor, I hereby decl	are that:
The above-identif	fied application ("Applicat	tion") was made or authorized by me.
I believe that I an	n the original inventor or a	n original inventor of a claimed invention or discovery in the Application.
	rial to patentability as de	nts of the Application, including the claims, and I acknowledge the duty to disclose fined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of
		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	a Lii	Ethicon LLC #475 Street C, Suite 401 Los Frailes Industrial Park Guaynabo, Puerto Rico 00969 nited Liability Company of <u>Delaware</u> .
	(here	einafter designated as the "Assignee"),
☐ I hereby acknowl which is hereby conformed	edge that I have assigned I for recordation 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:
For good and va assigned and transferred to		sufficiency of which is acknowledged, I hereby assign and transfer and/or have
the right to claim priority of States, European Patent Co such inventions or discovered continuations thereof, and supplementary protection of and enjoyment to the full of	to the Application, all involution and of all other couveries and all rights in set to all Letters Patent that certificates, reexamination and of the term or terms for	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 entries, 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, 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: 051830 FRAME: 0402

Attorney Docket No.: END7674USCNT1/150109CON1
US Application No.: 16/537,856

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.

Austin E. Wise

LEGAL NAME OF INVENTOR

Signature

61/23/2020

Attorney Docket No.: END7674USCNT1/150109CON1
US Application No.: 16/537,856

·		05 Application No.: <u>10/55/,850</u>
	COMBINED	DECLARATION AND ASSIGNMENT
Title of Invention: <u>Natruments</u>	MOVABLE FIRING 1	BEAM SUPPORT ARRANGEMENTS FOR ARTICULATABLE SURGICAL
This declaration and assignm	nent 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 16/537,856 filed on August 12, 2019.
Declaration		
As the below name	d inventor, I hereby decl	lare that:
The above-identifie	d application ("Applicat	tion") was made or authorized by me.
I believe that I am t	he original inventor or a	n original inventor of a claimed invention or discovery in the Application.
	al to patentability as def	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 Lin	mited Liability Company of <u>Delaware</u> .
	(here	einafter designated as the "Assignee"),
I hereby acknowled which is hereby conformed for the second secon	ge that I have assigned or recordation in the US	the above-identified invention by previous assignment (attached hereto) to Assignee Patent Office and I confirm I have and do assign and transfer:
or ·		
For good and valuassigned and transferred to A	able consideration, the ssignee:	sufficiency of which is acknowledged, I hereby assign and transfer and/or have
the right to claim priority to States, European Patent Off such inventions or discover continuations thereof, and to supplementary protection cere	the Application, all invices and of all other couries and all rights in so all Letters Patent that tificates, reexamination d of the term or terms for	the Application, including all priority rights for other countries arising therefrom and rentions or discoveries therein disclosed, and any and all Letters Patent of the United antries, which may be granted for such inventions or discoveries, or any of them, all such Application including any and all provisionals, substitutions, divisions, and t may be granted for said inventions and discoveries, and in and to all extensions, as, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own use 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.: <u>16/537,856</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.

Adam D. Hensel	<u> </u>
LEGAL NAME OF INVENTOR	
Ah Hand	12/17/19
Signature	Date

	COMBINED DECLARATION AND ASSI	US Application No.: <u>16/537,856</u>
Title of Invention:		
INSTRUMENTS	MOVABLE FIRING BEAM SUPPORT ARRANGEME	NIS FUR ARTICULATABLE SURGICAL
This declaration and assig	gnment is directed to:	
	☐ The attached or filed herewith applic	cation of (list of named inventors),
	The United States application or PC number 16/537,856 filed on August	
Declaration		수를 하는 말이 있다. - 이 이 그는 프로그램 이 이 프로그램 :
As the below nan	med inventor, I hereby declare that:	
The above-identi	ified application ("Application") was made or authorized by me.	. (1240) (1241)
I believe that I an	m the original inventor or an original inventor of a claimed inven	tion or discovery in the Application.
	and understood the contents of the Application, including the erial to patentability as defined in Title 37, the United States Conted States of America.	
I hereby acknowl imprisonment of not more	ledge that any willful false statement made in this declaration is than five (5) years, or both for filings of this Application in the	s punishable under 18 U.S.C. § 1001 by fine or 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"),	
	ledge that I have assigned the above-identified invention by pre d for recordation in the US Patent Office and I confirm I have an	
1, 114	in Ballettin (1917) (1917) (E. 1967) erektine (1917) (E. 1967) erektine (1917) (E. 1967) Ballettine (1917) (Ballettine (1917) (E. 1967) (E. 1967) (E. 1967) (E. 1967) (E. 1967)	
∑ For good and va assigned and transferred to	aluable consideration, the sufficiency of which is acknowledge Assignee:	ed, I hereby assign and transfer and/or have
the right to claim priority to States, European Patent C such inventions or discove continuations thereof, and supplementary protection of and enjoyment to the full of	interest in, to, and under the Application, including all priority to the Application, all inventions or discoveries therein disclose Office and of all other countries, which may be granted for such veries and all rights in such Application including any and I to all Letters Patent that may be granted for said inventions certificates, reexaminations, renewals, and reissues thereof, to be end of the term or terms for which such Letters Patent may be go by me had this assignment and sale not been made.	ed, and any and all Letters Patent of the United h inventions or discoveries, or any of them, all all provisionals, substitutions, divisions, and and discoveries, and in and to all extensions, e held and enjoyed by Assignee for its own use
	(日本) 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그	and the second s

Page 1 of 2

US Application No.: 16/537,856

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 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.

Lauren S. Weaner

LEGAL NAME OF INVENTOR

. Weanes

/ |LAAA Signature 1-17-2020

Date

	COMBINED	US Application No.: <u>16/537,856</u> DECLARATION AND ASSIGNMENT
Title of Invention:		그는 그 다른 그는 것 같은 바람이 가수 하는 사람들이 하는 것이 되었다. 그는 것이 되는 것이 없는 것이 없는 것이 없는 것이 없는 것이 없는 것이 없는 것이다.
INSTRUMENTS	WIGVABLE FIRING	BEAM SUPPORT ARRANGEMENTS FOR ARTICULATABLE SURGICAL
This declaration and assig	nment is directed to:	
		The attached or filed herewith application of (list of named inventors),
		하는 사람들에 가는 생각이 되었다. 이 생활에는 이 물에 가려면서 생각하는 생각이 되었다. 생각이 생각하는 것이 되었다.
	☒	The United States application or PCT international application number 16/537,856 filed on August 12, 2019.
Declaration		기를 하지 않는 것이 없는 것이 되었다. 그런 그는 사람들에 되었다. 그는 사람들이 가장되고 한다면 된다. 1900년에 대한 전기를 하는 것이 가장되어 있는 것이 되었다. 그렇게 되었다.
As the below nan	ned inventor, I hereby dec	lare that:
The above-identi	fied application ("Applica	ntion") was made or authorized by me.
I believe that I an	n the original inventor or	an original inventor of a claimed invention or discovery in the Application.
I have reviewed information which is mate this Application in the Un	erial to patentability as de	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
		e 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
	aLi	mited Liability Company of <u>Delaware</u> .
	(lier	einafter designated as the "Assignee"),
I hereby acknowle which is hereby conformed	edge that I have assigned I for recordation 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:
For good and va assigned and transferred to	luable consideration, the Assignee:	sufficiency of which is acknowledged, I hereby assign and transfer and/or have
he right to claim priority to States, European Patent Of such inventions or discoverent continuations thereof, and supplementary protection can denjoyment to the full e	to the Application, all involution and of all other converies and all rights in to all Letters Patent that extificates, reexamination and of the term or terms for	the Application, including all priority rights for other countries arising therefrom and rentions or discoveries therein disclosed, and any and all Letters Patent of the United 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 a 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 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: 051830 FRAME: 0408

US Application No.: 16/537,856

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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