# 506620690 04/21/2021

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6667497

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
FREDERICK E. SHELTON IV	06/04/2018
DAVID C. YATES	06/02/2018
JASON L. HARRIS	06/04/2018
DANIEL E. ALESI	06/29/2018

### **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:	17218885

## **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:** 4123553746

Email: piuspatents@klgates.com
Correspondent Name: MICHELLE L. WEAVER
Address Line 1: 210 SIXTH AVENUE
Address Line 2: K&L GATES CENTER

Address Line 4: PITTSBURGH, PENNSYLVANIA 15222-2613

ATTORNEY DOCKET NUMBER:	END8502USCNT3/170769CN3	
NAME OF SUBMITTER:	MICHELLE L. WEAVER	
SIGNATURE:	/Michelle L. Weaver/	
DATE SIGNED:	04/21/2021	
	This document serves as an Oath/Declaration (37 CFR 1.63).	

PATENT REEL: 055985 FRAME: 0888

506620690

# **Total Attachments: 8**

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Attorney Docket No.: END8502USP/170769 US Application No.: 15/940,671

COMPINED D	OF AD APPROXIANTS A SOLCHESTER	
	ECLARATION AND ASSIGNMENT	
Title of Invention; SURGICAL HUB SPATIAL	L AWARENESS TO DETERMINE DEVICES IN OPERATING THEATER	
This declaration and assignment is directed to:		
r 🗆	The attached or filed herewith application of (list of named inventors),	
or		
	The United States application or PCT international application number 15/940,671 filed on March 29, 2018.	
Declaration		
As the below named inventor, I hereby declared	e that:	
The above-identified application ("Application	n'') was made or authorized by me.	
I believe that I am the original inventor or an o	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 si imprisonment of not more than five (5) years, or both for	tatement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or or filings of this Application in the United States of America.	
Assignment		
•	Ethicon LLC #475 Street C, Suite 401 Los Frailes Industrial Park Suaynabo, Puerto Rico 00969	
a Limit	ed Liability Company of Delaware.	
(herein	after designated as the "Assignee"),	
	e above-identified invention by previous assignment (attached hereto) to Assignee atent Office and I confirm I have and do assign and transfer:	
or		
For good and valuable consideration, the su assigned and transferred to Assignee:	ufficiency 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.		
	Page 1 of 2	

#### COPY FROM PARENT APPLICATION

Attorney Docket No.: END8502USP/170769

US Application No.: 15/940,671

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.

Frederick E. Shelton, IV
LEGAL NAME OF INVENTOR

Rignature

6/4/13

Date

Page 2 of 2

•	Attorney Docket No.: END8502USP/170769 US Application No.: 15/940,671	
COMBINED	DECLARATION AND ASSIGNMENT	
Title of Invention: SURGICAL HUB SPATI	AL AWARENESS TO DETERMINE DEVICES IN OPERATING THEATER	
This declaration and assignment is directed to:		
	The attached or filed herewith application of (list of named inventors)	
	The difference of the or forestal appropriation of first of finding inventors)	
0)*	The Hair J Owner 11	
	The United States application or PCT international application number 157940,671 filed on March 29, 2018.	
Declaration		
As the below named inventor, I hereby deck	are that:	
The above-identified application ("Application	on") was made or authorized by me.	
I believe that I am the original inventor or ar	original inventor of a claimed invention or discovery in the Application.	
I have reviewed and understood the conten-	ts of the Application, including the claims, and I acknowledge the duty to disclose med 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	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	ited Liability Company of Delaware.	
(herei	inafter 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 assigned and transferred to Assigned:	sufficiency of which is acknowledged, I hereby assign and transfer and/or have	
ny entire right, title, and interest in, to, and under the Application, including all priority rights for other countries arising therefrom and he 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, upplementary 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	

Attorney Docket No.: END8502USP/170769 US Application No.: 15/940,671

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.

David C. Yates

LEGAL NAME OF INVENTOR

Signature

02 JUNE 2018

Date

Attorney Docket No.: END8502USP/170769

		US Application No.: 15/940,671	
CC	MBINEI	DECLARATION AND ASSIGNMENT	
Title of Invention: SURGICAL HUB SPATIAL AWARENESS TO DETERMINE DEVICES IN OPERATING THEATER			
This declaration and assignment is dire	cted to:		
		The attached or filed herewith application of (list of named inventors),	
	or		
	$\boxtimes$	The United States application or PCT international application number 15/940,671 filed on March 29, 2018.	
Declaration			
As the below named inventor,	I hereby dec	clare that:	
The above-identified application	on ("Applie	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 understo information which is material to paten this Application in the United States of	ability as d	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 an imprisonment of not more than five (5)	/ willful fal 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		Ethicon LLC #475 Street C, Suite 401 Los Frailes Industrial Park Guaynabo, Puerto Rico 00969	
	a L	imited Liability Company of Delaware.	
	(he	reinafter 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:			
the right to claim priority to the Applic States, European Patent Office and of such inventions or discoveries and a continuations thereof, and to all Lette supplementary protection certificates, r	ation, all in all other co Il rights in is Patent the eexamination or terms	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 puntries, which may be granted for such inventions or discoveries, or any of them, all such Application including any and all provisionals, substitutions, divisions, and at may be granted for said inventions and discoveries, and in and to all extensions, 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	

#### COPY FROM PARENT APPLICATION

Attorney Docket No.: END8502USP/170769

US Application No.: 15/940,671

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, Buropean 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 Assignce 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.

Jason L. Harris	
LEGAL NAME OF INVENTOR	
Jam Johnin	6/4/2018
Signature	Date

Attorney Docket No.: END8502USP/170769
US Application No.: 15/940 671

				O2 Application No	13/940,0/1
	COMBINED	DECLARATION AND AS	SIGNMENT		
Title of Invention: SUR	GICAL HUB SPAT	IAL AWARENESS TO DETER	MINE DEVICE	S IN OPERATING	THEATER
This declaration and assignme	ent is directed to:				
		The attached or filed herewith ap	nlication of (list	of named inventors)	
:		The attached of fried herewith ap	Kulantion of Chor.		
	<b>or</b> .	en de la companya de La companya de la co			
		The United States application or number <u>15/940,671</u> filed on <u>Mar</u>		l application	
Declaration					
As the below named	inventor, I hereby dec	lare that:			
The above-identified	application ("Applica	tion") was made or authorized by n	ne.		
I helieve that I am the	original inventor or	an original inventor of a claimed in	vention or discov	ery in the Application	).
I have reviewed and	understood the conte to patentability as de	nts of the Application, including t fined in Title 37, the United States	he claims, and I	acknowledge the dut	y to disclose
I hereby acknowledgi Imprisonment of not more than	e that any willful fals n five (5) years, or bot	e statement made in this declaration in his for filings of this Application in	n is punishable u the United States	under 18 U.S.C. § 10 of America.	01 by fine or
Assignment					
		Ethicon LLC #475 Street C, Suite 401 Los Frailes Industrial Park Guaynabo, Puerto Rico 00969		er en	
	a Liı	mited Liability Company of <u>Delawa</u>	are.		
	(her	einafter designated as the "Assigne	e").		
				er (alleaded bases)	to Assigned
I hereby acknowledge which is hereby conformed for	that I have assigned recordation in the US	the above-identified invention by Patent Office and I confirm I have	and do assign ar	nent (attached hereto) nd transfer:	to Assignee
AHA SANASAN MANASAN MA Manasan manasan manasa					
✓ For good and valuabissigned and transferred to Assert		sufficiency of which is acknowled	edged, I hereby	assign and transfer	and/or have
ny entire right, title, and inter he right to claim priority to the states, European Patent Offic uch inventions or discoverie continuations thereof, and to a upplementary protection certil	est in, to, and under to the Application, all inverse and of all other coustains and all rights in a later Patent that ficates, reexamination of the term or terms for	he Application, including all prior rentions or discoveries therein discontries, which may be granted for such Application including any at may be granted for said inventions, renewals, and reissues thereof, to which such Letters Patent may be the and sale not been made.	losed, and any ar such inventions of and all provision ons and discover o be held and enj	nd all Letters Patent or or discoveries, or any nals, substitutions, di ries, and in and to al joyed by Assignee for	of the United of them, all visions, and l extensions, r its own use
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		Page 1 of 2		Maryan Basan Taban	

Attorney Docket No.: END8502USP/170769

US Application No.: 15/940,671

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 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.

Daniel E. Alesi	
LEGAL NAME OF INVENTOR	
Daniel E alos i	06/29/2018
Signature	Date
the control of the co	

Page 2 of 2