504418971 06/19/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4465671

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MARK D. OVERMYER	04/21/2017
BRETT E. SWENSGARD	04/22/2017
SHANE R. ADAMS	04/20/2017
THOMAS W. LYTLE IV	05/01/2017
RICHARD L. LEIMBACH	04/25/2017
FREDERICK E. SHELTON IV	04/24/2017
KEVIN L. HOUSER	04/27/2017

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:	15459515

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: 412-355-8690

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

Address Line 4: PITTSBURGH, PENNSYLVANIA 15222-2613

ATTORNEY DOCKET NUMBER: END7396USCNT1/130468CON1

NAME OF SUBMITTER: RAGAE M. GHABRIAL

SIGNATURE: /Ragae M. Ghabrial/

504418971 REEL: 042742 FRAME: 0563

DATE SIGNED:	06/19/2017
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 14	
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COMBINED DECLARATION AND ASSIGNMENT	
Title of Invention: INTERFACE SYSTEMS FOR USE WITH SURGICAL INSTRUMENTS	
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 15/459,515 filed on March 15, 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 discloinformation which is material to patentability as defined in Title 37, the United States Code of Federal Regulations, §1.56 for filings this Application in the United States of America.	e of
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine imprisonment of not more than five (5) years, or both for filings of this Application in the United States of America.	ж
Assignment	
Ethicon LLC #475 Street C, Suite 401 Los Frailes Industrial Park Guaynabo, Puerto Rico 00969	and the second s
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 Assign which is hereby conformed for recordation in the US Patent Office and I confirm I have and do assign and transfer:	3 e
or control of the second of th	
For good and valuable consideration, the sufficiency of which is acknowledged, I hereby assign and transfer and/or has assigned and transferred to Assignee:	<i>r</i> e
my entire right, title, and interest in, to, and under the Application, including all priority rights for other countries arising therefrom a the right to claim priority to the Application, all inventions or discoveries therein disclosed, and any and all Letters Patent of the Unit States, European Patent Office and of all other countries, which may be granted for such inventions or discoveries, or any of them, such inventions or discoveries and all rights in such Application including any and all provisionals, substitutions, divisions, a continuations thereof, and to all Letters Patent that may be granted for said inventions and discoveries, and in and to all extension supplementary protection certificates, reexaminations, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own that and enjoyed by me had this assignment and sale not been made.	ed all ad as, se
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.

Mark D. Overmyer

LEGAL NAME OF INVENTOR

Signature

4-21-2017

Date

COMBINED DECLARATION AND ASSIGNMENT

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	or	
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The above-identified application ("A	Applicat	ion") was made or authorized by me.
I believe that I am the original inver	ntor or a	original inventor of a claimed invention or discovery in the Application.
I have reviewed and understood the information which is material to patentabilithis Application in the United States of American Application in the United States of American States of	ty as def	ts 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 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 Delaware.
•	(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:
01,		
For good and valuable considerations assigned and transferred to Assignee:	ion, the	sufficiency of which is acknowledged, I hereby assign and transfer and/or have
the right to claim priority to the Application States, European Patent Office and of all of such inventions or discoveries and all rig continuations thereof, and to all Letters Pate supplementary protection certificates, reexam	ther coughts in stent that mination terms for	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 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 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

Attorney Docket No.: END7396USCNT1/130468CON1
US Application No.: 15/459,515

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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.

Brett E. Swens	gard	
LEGAL NAME	OF INVENTOR	

Signature

4/20117

COMBINED	DECLARATION AND ASSIGNMENT
Title of Invention: INTERFACE SYSTEMS	FOR USE WITH SURGICAL INSTRUMENTS
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 15/459,515 filed on March 15, 2017.
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As the below named inventor, I hereby dec	lare that:
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Assignment	
e e	Ethicon LLC #475 Street C, Suite 401
	Los Frailes Industrial Park
	Guaynabo, Puerto Rico 00969
a Liu	mited Liability Company of Delaware.
(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 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 inv States, European Patent Office and of all other con such inventions or discoveries and all rights in continuations thereof, and to all Letters Patent tha 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 intries, 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 ent and sale not been made.
	Page 1 of 2

Attorney Docket No.: END7396USCNT1/130468CON1

US Application No.: 15/459,515

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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.

Shane R. Adams

LEGAL NAME OF INVENTOR

Signature

Date

4/20/2017

Page 2 of 2

COMBINED DECLARATI	ON AND ASSIGNMENT
Title of Invention: INTERFACE SYSTEMS FOR USE WITH	SURGICAL INSTRUMENTS
This declaration and assignment is directed to:	
The attached or t	iled herewith application of (list of named inventors),
or or	-
	s application or PCT international application 15 filed on March 15, 2017.
Declaration	ā.
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.
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I hereby acknowledge that any willful false statement made imprisonment of not more than five (5) years, or both for filings of this	in this declaration is punishable under 18 U.S.C. § 1001 by fine or Application in the United States of America.
Assignment Ethicon #475 Street C Los Frailes Inc Guaynabo, Puer a Limited Liability Co	, Suite 401 Iustrial Park to Rico 00969
(hereinafter designated	
	led invention by previous assignment (attached hereto) to Assignee
or	
For good and valuable consideration, the sufficiency of wassigned and transferred to Assignee:	hich is acknowledged, I hereby assign and transfer and/or have
my entire right, title, and interest in, to, and under the Application, in the right to claim priority to the Application, all inventions or discov States, European Patent Office and of all other countries, which ma- such inventions or discoveries and all rights in such Application continuations thereof, and to all Letters Patent that may be granted supplementary protection certificates, reexaminations, renewals, and a and enjoyment to the full end of the term or terms for which such Le- have been held and enjoyed by me had this assignment and sale not b	eries therein disclosed, and any and all Letters Patent of the United by be granted for such inventions or discoveries, or any of them, all including any and all provisionals, substitutions, divisions, and for said inventions and discoveries, and in and to all extensions, eissues thereof, to be held and enjoyed by Assignee for its own use ters Patent may be granted, as fully and entirely as the same would
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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.

Thomas W. Lytle, IV
LEGAL NAME OF INVENTOR

5/1/17

Date

COMBINED	DECLARATION AND ASSIGNMENT
Title of Invention: <u>INTERFACE SYSTEMS</u>	FOR USE WITH SURGICAL INSTRUMENTS
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 15/459,515 filed on March 15, 2017.
Declaration	•
As the below named inventor, I hereby dec	lare that:
The above-identified application ("Applica	tion") 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.
	ents 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
	the statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or the 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 Delaware.
(he	reinafter designated as the "Assignee"),
	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 in States, Buropean Patent Office and of all other co such inventions or discoveries and all rights in continuations thereof, and to all Letters Patent the 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 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 at may be granted for said inventions and discoveries, and in and to all extensions, ans, 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.
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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.

Richard L. Leimbach
LEGAL NAME OF INVENTOR

Signature

4/25/17

Dau

Attorney Docket No.: END7396USCNT1/130468CON1
US Application No.: 15/459,515

COMBINED DECLARATION AND ASSIGNMENT
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Assignment
Ethicon LLC #475 Street C, Suite 401
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a Limited Liability Company of Delaware.
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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:
ny 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 enjoyement 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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Frederick E. Shelton, IV

LEGAL NAME OF INVENTOR

Signature

Doto

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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 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 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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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.

Kevin L. Houser
LEGAL NAME OF INVENTOR

Signature

27-APR-17
Date

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