PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4897248

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
FREDERICK E. SHELTON IV	12/07/2017
EMILY A. SCHELLIN	12/12/2017
DAVID C. YATES	12/12/2017
KEVIN L. HOUSER	12/07/2017

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:	15718868

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 STREET
Address Line 2: K&L GATES CENTER

Address Line 4: PITTSBURGH, PENNSYLVANIA 15222-2613

ATTORNEY DOCKET NUMBER:	END7297USCNT7/130020CON7
NAME OF SUBMITTER:	RAGAE M. GHABRIAL
SIGNATURE:	/Ragae M. Ghabrial/
DATE SIGNED:	04/03/2018
	This document serves as an Oath/Declaration (37 CFR 1.63).

PATENT REEL: 045425 FRAME: 0486

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Total Attachments: 8 source=Combined_Dec_Assign#page1.tif source=Combined_Dec_Assign#page2.tif source=Combined_Dec_Assign#page3.tif source=Combined_Dec_Assign#page4.tif source=Combined_Dec_Assign#page5.tif source=Combined_Dec_Assign#page6.tif source=Combined_Dec_Assign#page7.tif source=Combined_Dec_Assign#page8.tif

PATENT REEL: 045425 FRAME: 0487

Attorney Docket No.: <u>END7297USCNT7/130020CON7</u>
US Application No.: <u>15/718,868</u>

COMBINED DECLARATION AND ASSIGNMENT		
Title of Invention: TAMPER PROOF CIRCUIT FOR SURGICAL INSTRUMENT BATTERY PACK		
This declaration and assignment is directed to:	:	
The attached or filed herewith application of (list of named inventors),	e .	
or		
The United States application or PCT international application number 15/718,868 filed on September 28, 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 discloration 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.		
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine amprisonment of not more than five (5) years, or both for filings of this Application in the United States of America.	or	
Ethicon LLC #475 Street C, Suite 401 Los Frailes Industrial Park Guaynabo, Puerto Rico 00969		
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:	96	
or and the same of		
For good and valuable consideration, the sufficiency of which is acknowledged, I hereby assign and transfer and/or hassigned and transferred to Assignee:	ve	
ny entire right, title, and interest in, to, and under the Application, including all priority rights for other countries arising therefrom at 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, and inventions or discoveries and all rights in such Application including any and all provisionals, substitutions, divisions, are 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 underlyopment to the full end of the term or terms for which such Letters Patent may be granted, as fully and entirely as the same wound are been held and enjoyed by me had this assignment and sale not been made.	ed all ad as, se	
Page 1 of 2		

PATENT REEL: 045425 FRAME: 0488

US Application No.: 15/718,868

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	
Juch Shat	12/7/17
Signature	Date

Attorney Docket No.: <u>BND7297USCNT7/130020CON7</u>
US Application No.: <u>15/718,868</u>

COM	BINED	DECLARATION AND ASSIGNMENT
Title of Invention: TAMPER PRO	OF CIRC	CUIT FOR SURGICAL INSTRUMENT BATTERY PACK
This declaration and assignment is directed	d to:	
		The attached or filed herewith application of (list of named inventors)
	or	
	\boxtimes	The United States application or PCT international application number 15/718,868 filed on September 28, 2017.
Declaration		
As the below named inventor, I	iereby de	clare that:
The above-identified application	("Applie	ation") was made or authorized by me.
I believe that I am the original in	ventor or	an original inventor of a claimed invention or discovery in the Application.
I have reviewed and understood information which is material to patental this Application in the United States of A	oility 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
		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 <u>Delaware</u> .
	(he	reinafter designated as the "Assignee"),
		d the above-identified invention by previous assignment (attached hereto) to Assignee IS Patent Office and I confirm I have and do assign and transfer:
or		
For good and valuable conside assigned and transferred to Assignee:	ration, th	e sufficiency of which is acknowledged, I hereby assign and transfer and/or have
the right to claim priority to the Applicat States, European Patent Office and of a such inventions or discoveries and all continuations thereof, and to all Letters supplementary protection certificates, ree	ion, all in ill other con rights in Patent the xamination or terms	the Application, including all priority rights for other countries arising therefrom and aventions or discoveries therein disclosed, and any and all Letters Patent of the United buntries, 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 nent and sale not been made.
		Page 1 of 2

US Application No.: 15/718,868

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 Assignce 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.

Emily A. Schellin	
LEGAL NAME OF INVENTOR	
Enils D. Schellie	19/18/19
Signature	Date

Attorney Docket No.: <u>END7297USCNT7/130020CON7</u> US Application No.: <u>15/718,868</u>

COMBINED DECLARATION AND ASSIGNMENT		
Title of Invention: TAMPER PROOF C	CIRCUIT FOR SURGICAL INSTRUMENT BATTERY PACK	
This declaration and assignment is directed to	:	
Į.	The attached or filed herewith application of (list of named inventors),	
	DK.	
	The United States application or PCT international application number 15/718,868 filed on September 28, 2017.	
Declaration		
As the below named inventor, I herel	by declare that:	
The above-identified application ("A	pplication") was made or anthorized by me.	
I believe that I am the original invent	or or an original inventor of a claimed invention or discovery in the Application.	
I have reviewed and understood the information which is material to patentability this Application in the United States of Amer	contents of the Application, including the claims, and I acknowledge the duty to disclose as defined in Title 37, the United States Code of Federal Regulations, §1.56 for filings of ica.	
I hereby acknowledge that any willfi imprisonment of not more than five (5) years,	ul false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or or both 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 Limited Liability Company of Delaware.	
	(hereinafter designated as the "Assignee"),	
I hereby acknowledge that I have as which is hereby conformed for recordation in	signed the above-identified invention by previous assignment (attached hereto) to Assignee the US Patent Office and I confirm I have and do assign and transfer:	
or		
For good and valuable considerationsigned and transferred to Assignee:	on, 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 oth such inventions or discoveries and all righ continuations thereof, and to all Letters Pate supplementary protection certificates, reexam	under the Application, including all priority rights for other countries arising therefrom and all inventions or discoveries therein disclosed, and any and all Letters Patent of the United her countries, which may be granted for such inventions or discoveries, or any of them, all ts in such Application including any and all provisionals, substitutions, divisions, and that may be granted for said inventions and discoveries, and in and to all extensions, inations, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own use erms for which such Letters Patent may be granted, as fully and entirely as the same would ssignment and sale not been made.	
	Page 1 of 2	

US Application No.: 15/718,868

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 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

Date

12/12/17

Attorney Docket No.: <u>END7297USCNT7/130020CON7</u> US Application No.: <u>15/718,868</u>

COMBINED DECLARATION AND ASSIGNMENT		
Title of Invention: TAMPER PROOF CIRCU	IT FOR SURGICAL INSTRUMENT BATTERY PACK	
This declaration and assignment is directed to:		
	The attached or filed herewith application of (list of named inventors),	
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	The United States application or PCT international application number 15/718,868 filed on September 28, 2017.	
Declaration		
As the below named inventor, I hereby decla	re that:	
The above-identified application ("Application	on") 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.	
	s of the Application, including the claims, and I acknowledge the duty to disclose ned 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 Lim	ited Liability Company of Delaware.	
(herei	nafter designated as the "Assignee"),	
	he 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 sassigned 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 inve States, European Patent Office and of all other coun such inventions or discoveries and all rights in su continuations thereof, and to all Letters Patent that supplementary protection certificates, reexaminations	e Application, including all priority rights for other countries arising therefrom and ntions or discoveries therein disclosed, and any and all Letters Patent of the United stries, which may be granted for such inventions or discoveries, or any of them, all ach 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 which such Letters Patent may be granted, as fully and entirely as the same would not and sale not been made.	
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Page 1 of 2

US Application No.: 15/718,868

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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	
Muix. Spyn.	7-06<-17
Signature	Date

Page 2 of 2