504490034 08/04/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4536736

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|-------------------------|----------------|
| NICHOLAS FANELLI | 01/30/2017 |
| FREDERICK E. SHELTON IV | 01/19/2017 |
| JEFFREY S. SWAYZE | 01/31/2017 |
| ADAM D. HENSEL | 12/29/2016 |
| JASON M. RECTOR | 01/25/2017 |
| BINGSHI WANG | 01/31/2017 |
| MARK D. OVERMYER | 01/30/2017 |

RECEIVING PARTY DATA

| Name: | ETHICON ENDO-SURGERY, LLC | |
|-------------------|-----------------------------|--|
| Street Address: | #475 STREET C | |
| Internal Address: | LOS FRAILES INDUSTRIAL PARK | |
| City: | GUAYNABO | |
| State/Country: | PUERTO RICO | |
| Postal Code: | 00969 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 15385896 |

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: | END8013USNP/160175 |
|-------------------------|--------------------|
| NAME OF SUBMITTER: | CARA M. PINTO |
| SIGNATURE: | /Cara M. Pinto/ |

504490034 REEL: 043203 FRAME: 0419

PAIENI

| DATE SIGNED: | 08/04/2017 |
|--|--|
| | This document serves as an Oath/Declaration (37 CFR 1.63). |
| Total Attachments: 14 | |
| source=Signed_Combined_Declaration_ | _and_Assignment_Documents#page1.tif |
| source=Signed_Combined_Declaration_ | _and_Assignment_Documents#page2.tif |
| source=Signed_Combined_Declaration_ | _and_Assignment_Documents#page3.tif |
| source=Signed_Combined_Declaration_ | _and_Assignment_Documents#page4.tif |
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| source=Signed_Combined_Declaration_ | _and_Assignment_Documents#page6.tif |
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source=Signed_Combined_Declaration_and_Assignment_Documents#page14.tif

Attorney Docket No.: END8013USNP/160175 US Application No.: 15/385,896

COMBINED DECLARATION AND ASSIGNMENT

| COMBINED | DECLARATION AND ADSIGNMENT |
|---|--|
| Title of Invention: <u>METHOD FOR RESETT</u> | TING A FUSE OF A SURGICAL INSTRUMENT SHAFT |
| This declaration and assignment is directed to: | |
| | The attached or filed herewith application of (list of named inventors), |
| οχ | |
| | The United States application or PCT international application number 15/385,896 filed on December 21, 2016. |
| Declaration | |
| As the below named inventor, I hereby decl | are that: |
| The above-identified application ("Application | ion") 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 contention which is material to patentability as defithis Application in the United States of America. | ats 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 Endo-Surgery, LLC #475 Street C Los Frailes Industrial Park Guaynabo, Puerto Rico 00969 |
| a I in | nited Liability Company of Delaware. |
| | · · · · · · · · · · · · · · · · · · · |
| | 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 investigates, European Patent Office and of all other countries in such inventions or discoveries and all rights in such inventions thereof, and to all Letters Patent that supplementary protection certificates, reexaminations | 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 uch 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 |

US Application No.: 15/385,896

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.

| Nicholas Fanelli | |
|------------------------|------------|
| LEGAL NAME OF INVENTOR | |
| Nicheles Zuelli | 01/30/2017 |
| Signature | Date |

Attorney Docket No.: END8013USNP/160175
US Application No.: 15/385,896

| | COMBINED | DECLARATION AND ASSIGNMENT |
|--|---|--|
| Title of Invention: \underline{N} | IETHOD FOR RESET | TING A FUSE OF A SURGICAL INSTRUMENT SHAFT |
| This declaration and assign | ment is directed to: | |
| | | The attached or filed herewith application of (list of named inventors), |
| | or | |
| , | | The United States application or PCT international application number 15/385,896 filed on December 21, 2016. |
| Declaration | | |
| As the below name | ed inventor, I hereby decl | lare that: |
| The above-identifi | ied application ("Applicat | tion") was made or authorized by me. |
| I believe that I am | the original inventor or a | an original inventor of a claimed invention or discovery in the Application. |
| I have reviewed a information which is mater this Application in the Uni | 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 |
| I hereby acknowle imprisonment of not more t | edge that any willful false than five (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 | | THE STATE OF THE S |
| | | Ethicon Endo-Surgery, LLC #475 Street C |
| | | Los Frailes Industrial Park Guaynabo, Puerto Rico 00969 |
| | a Liv | mited Liability Company of Delaware. |
| | (here | einafter designated as the "Assignee"), |
| I hereby acknowle which is hereby conformed | edge that I have assigned for recordation in the US | 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 val assigned and transferred to | | sufficiency of which is acknowledged, I hereby assign and transfer and/or have |
| the right to claim priority the States, European Patent Of Such inventions or discovationations thereof, and supplementary protection cand enjoyment to the full experience. | to the Application, all involution and of all other converies and all rights in to all Letters Patent that certificates, reexamination and of the term or terms f | 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 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 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 nent and sale not been made. |
| | | Dama 1 of 2 |
| | | Page 1 of 2 |

US Application No.: 15/385,896

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

LEGAL NAME OF INVENTOR

Signature

1/19/17

Page 2 of 2

Attorney Docket No.: END8013USNP/160175 US Application No.: 15/385,896

| | (| COMBINET | DECLARATION AND ASSIGNMENT |
|--|---|--|--|
| Title of | Invention: <u>METHOL</u> | FOR RESET | TTING A FUSE OF A SURGICAL INSTRUMENT SHAFT |
| This decl | aration and assignment is d | irected to: | |
| | | | The attached or filed herewith application of (list of named inventors), |
| | | or | |
| | | | The United States application or PCT international application number 15/385,896 filed on December 21, 2016. |
| Declara | ition | | |
| ; | As the below named invent | or, I hereby de | clare that: |
| | The above-identified applic | ation ("Applic | ation") was made or authorized by me. |
| , | I believe that I am the origi | nal inventor or | an original inventor of a claimed invention or discovery in the Application. |
| informati | I have reviewed and under on which is material to pa lication in the United State | tentability 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 |
| imprison | hereby acknowledge that ment of not more than five | any willful fal (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. |
| Assignı | nent | | Titles P. L. O |
| | • | · | Ethicon Endo-Surgery, LLC #475 Street C Los Frailes Industrial Park Guaynabo, Puerto Rico 00969 |
| | | a L | imited Liability Company of Delaware. |
| | | (he | reinafter designated as the "Assignee"), |
| | | | d 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 co | | e sufficiency of which is acknowledged, I hereby assign and transfer and/or have |
| the right States, Esuch invocantinuat suppleme and enjoy | to claim priority to the Ap puropean Patent Office and entions or discoveries and ions thereof, and to all Le ntary protection certificate ment to the full end of the | plication, all in of all other co I all rights in otters Patent th s, reexamination term 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 countries, 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 |
| | | | |

US Application No.: 15/385,896

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.

| Jeffrey S. Swayze | |
|------------------------|-----------|
| LEGAL NAME OF INVENTOR | • |
| Aethor 5 Eng | 1-31-2017 |
| Signature / | Date |

COMBINED DECLARATION AND ASSICNMENT

| COMBINED DECLARATION AND ASSIGNMENT |
|---|
| Title of Invention: METHOD FOR RESETTING A FUSE OF A SURGICAL INSTRUMENT SHAFT |
| 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 15/385,896 filed on December 21, 2016. |
| 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 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 statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both for filings of this Application in the United States of America. |
| Assignment |
| Ethicon Endo-Surgery, LLC #475 Street C |
| 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 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: |
| 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.: <u>15/385,896</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.

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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.

Adam D. Hensel
LEGAL NAME OF INVENTOR
Signature

12/29/16

Page 2 of 2

| | COMBINED | DECLARATION AND ASSIGNMENT |
|---|---|--|
| Title of Invention: | METHOD FOR RESETT | TING A FUSE OF A SURGICAL INSTRUMENT SHAFT |
| This declaration and assi | gnment is directed to: | |
| | | The attached or filed herewith application of (list of named inventors), |
| • | őr | |
| | | The United States application or PCT international application number 15/385,896 filed on December 21, 2016. |
| Declaration | | |
| As the below na | amed inventor, I hereby decl | are that: |
| The above-iden | tified application ("Applicat | ion") was made or authorized by me. |
| I believe that I a | am the original inventor or a | n original inventor of a claimed invention or discovery in the Application. |
| information which is ma | d and understood the conter sterial to patentability as def 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 acknow imprisonment of not mor | wledge that any willful false re than five (5) years, or both | 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 Endo-Surgery, LLC |
| | | #475 Street C |
| | | Los Frailes Industrial Park Guaynabo, Puerto Rico 00969 |
| | a Lir | nited Liability Company of <u>Delaware</u> . |
| | (here | sinafter designated as the "Assignee"), |
| I hereby acknownich is hereby conform | wledge that I have assigned led 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: |
| oř | | |
| For good and assigned and transferred | | sufficiency of which is acknowledged, I hereby assign and transfer and/or have |
| the right to claim priorit States, European Patent such inventions or disc continuations thereof, as supplementary protection and enjoyment to the ful | by to the Application, all invited office and of all other convoyeries and all rights in and to all Letters Patent that n 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 it 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.: 15/385,896

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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.

| OMBOH 171. IXCCIOI | |
|------------------------|-------------|
| LEGAL NAME OF INVENTOR | |
| nes- Th | 1725/2007 |
| Signature | Date |

Incom M Doctor

| CO | MBINEL | DECLARATION AND ASSIGNMENT |
|---|---|--|
| Title of Invention: METHOD F | OR RESET | TTING A FUSE OF A SURGICAL INSTRUMENT SHAFT |
| This declaration and assignment is direct | cted to: | |
| | | The attached or filed herewith application of (list of named inventors) |
| • | ~ or | |
| | | The United States application or PCT international application number 15/385,896 filed on December 21, 2016. |
| Declaration | | |
| As the below named inventor, | I hereby de | clare that: |
| The above-identified application | on ("Applic | 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. |
| | tability 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 |
| | | ise 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 Endo-Surgery, LLC #475 Street C Los Frailes Industrial Park Guaynabo, Puerto Rico 00969 |
| i ¹ | a L | imited Liability Company of Delaware. |
| v | (he | reinafter designated as the "Assignee"), |
| I hereby acknowledge that I hereby conformed for recordat | ave assigne | 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 considerations assigned and transferred to Assignee: | deration, th | ne sufficiency of which is acknowledged, I hereby assign and transfer and/or have |
| the right to claim priority to the Applic States, European Patent Office and of such inventions or discoveries and al continuations thereof, and to all Letter supplementary protection certificates, re- | cation, all in all other co il rights in rs Patent th eexamination or 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 countries, which may be granted for such inventions or discoveries, or any of them, all 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, 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 |

US Application No.: 15/385,896

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.

<u>Bingshi Wang</u>

LEGAL NAME OF INVENTOR

Signature

Dote

| COMBINED DECLARATION AND ASSIGNMENT | | | | |
|---|--|---|--|--|
| Title of Invention: | METHOD FOR RESET | FING A FUSE OF A SURGICAL INSTRUMENT SHAFT | | |
| This declaration and ass | ignment is directed to: | • | | |
| | | The attached or filed herewith application of (list of named inventors), | | |
| | or | | | |
| | ⋈ | The United States application or PCT international application number 15/385,896 filed on December 21, 2016. | | |
| Declaration | | | | |
| As the below n | amed inventor, I hereby decl | are that: | | |
| The above-iden | ntified application ("Application | 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. | | | | |
| information which is ma | | 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 | | Talian Pada Summer II G | | |
| | | Ethicon Endo-Surgery, LLC #475 Street C | | |
| | | Los Frailes Industrial Park Guaynabo, Puerto Rico 00969 | | |
| | a Lir | nited Liability Company of Delaware. | | |
| | (here | sinafter 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 assigned and transferred | | sufficiency of which is acknowledged, I hereby assign and transfer and/or have | | |
| the right to claim priority States, European Patent such inventions or disc continuations thereof, are supplementary protection and enjoyment to the ful | y to the Application, all inv to Office and of all other cou- coveries and all rights in s and to all Letters Patent that an certificates, reexamination | 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 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 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. | | |
| | | Dani 1 x 60 | | |
| | | Page 1 of 2 | | |

US Application No.: 15/385,896

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 Mark Overnige

Jan 30, 2017

Page 2 of 2