502900555 07/21/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2947152

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

CONVEYING PARTY DATA

| Name | Execution Date |
|-------------------------|----------------|
| FREDERICK E. SHELTON IV | 04/01/2014 |
| JEROME R. MORGAN | 04/09/2014 |

RECEIVING PARTY DATA

| Name: | ETHICON ENDO-SURGERY, INC. | |
|-----------------|----------------------------|--|
| Street Address: | 4545 CREEK ROAD | |
| City: | CINCINNATI | |
| State/Country: | ОНЮ | |
| Postal Code: | 45242 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14193644 |

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.

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Email: piuspatents@klgates.com

Correspondent Name: BRIAN T. GEISLER
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K&L GATES CENTER

Address Line 4: PITTSBURGH, PENNSYLVANIA 15222-2613

| ATTORNEY DOCKET NUMBER: | END5965USCNT3/060494CON3 | |
|-------------------------|--------------------------|--|
| NAME OF SUBMITTER: | BRIAN T. GEISLER | |
| SIGNATURE: | /Brian T. Geisler/ | |
| DATE SIGNED: | 07/21/2014 | |

Total Attachments: 2

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PATENT 502900555 REEL: 033354 FRAME: 0819

DOCKET NO. END5965USCNT3/060494CON3

Joint Inventors

ASSIGNMENT

| Serial 1 | No. <u>14/193,644</u> | |
|----------|-----------------------|--|
| Filed: | February 28, 2014 | |

WHEREAS, Frederick E. Shelton, IV, a citizen of the United States, residing at 245 East Main Street, Hillsboro, Ohio 45133; and Jerome R. Morgan, a citizen of the United States, residing at 3275 S. Whitetree Circle, Cincinnati, Ohio 45236; (hereinafter called "Assignors"), have made certain new and useful inventions or discoveries relating to:

END EFFECTOR FOR USE WITH A SURGICAL FASTENING INSTRUMENT

for which they have this day executed an application for Letters Patent of the United States; and

WHEREAS, Ethicon Endo-Surgery, Inc., a corporation formed under the laws of the State of Ohio, (hereinafter called "Assignee"), is desirous of acquiring Assignors' entire right, title, and interest therein:

NOW, THEREFORE, BE IT KNOWN that for and in consideration of the sum of One Dollar and other valuable considerations to them moving, the receipt of which is hereby acknowledged, Assignors have sold, assigned, and transferred, and do hereby sell, assign and transfer unto said Assignee their entire right, title and interest in and to all said inventions and discoveries disclosed in said application whose identification above by serial number and filing date, when available is hereby authorized, and in and to said application, all substitutions, divisions, and continuations thereof, and in and to all Letters Patent, United States and foreign, that may be granted for said inventions and discoveries, and in and to all extensions, renewals, and reissues thereof, the same to be held and enjoyed by said Assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by Assignors if this Assignment and sale had not been made;

And Assignors hereby authorize and request the Commissioner of Patents of the United States to issue said Letters Patent in accordance with this Assignment;

And for the consideration aforesaid, Assignors covenant and agree with said Assignee that he has a full and unencumbered title to the inventions and discoveries above described and hereby assigned, which title they warrant unto said Assignee, its successors and assigns;

And for the consideration aforesaid, Assignors further covenant and agree that they will, whenever requested, but without cost to them promptly communicate to said Assignee or its representatives any facts known to them relating to said inventions and discoveries, testify in any interference or legal proceedings involving said inventions and discoveries, and execute any additional papers that may be necessary to enable said Assignee or its representatives, successors, nominees, or assigns to secure full and complete protection for the said inventions and discoveries or that may be necessary to vest in said Assignee the complete title to the said inventions and discoveries and patents hereby conveyed and to enable it to record said title.

| IN TESTIMONY W | HEREOF, Assignor has her 14. | eunto set h | is hand and seal this day of (L.S.) Frederick E. Shelton, IV |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| STATE OF | Ohio |) | · SS. |
| COUNTY OF | Hamilton |) | |
| Public, personally app the foregoing instrum | neared Frederick E. Sheltonent in my presence, and | on, IV, who I having | day of April, 2014, before me, a Notary of I am satisfied is the person named in and who executed first made known to him the contents thereof, he did as his voluntary act and deed for the uses and purposes |
| WE DE WY | KARA N. TULANKO NOTARY PUBLIC STATE OF OHIO Recorded in Hamilton County My Comm. Exp. 5/31/14 | | Notary Public |
| IN TESTIMONY WH 2014. | EREOF, Assignor has here | eunto set hi | s hand and seal this day of April_, |
| | | | Jerome R. Morgan |
| STATE OF | <u>Ohio</u> |) | |
| COUNTY OF | Hamilton |) | SS. |
| Public, personally app foregoing instrument | in my presence, and I igned, sealed, and delivere | , who I an having fir | day of, 2014, before me, a Notary a satisfied is the person named in and who executed the st made known to him the contents thereof, he did as his voluntary act and deed for the uses and purposes |
| | My Commis | , Jiaie vi Vi | |

PATENT REEL: 033354 FRAME: 0821

RECORDED: 07/21/2014