502775736 04/21/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2822331

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

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------------|----------------|
| RICHARD L. LEIMBACH | 04/07/2014 |
| MARK D. OVERMYER | 04/07/2014 |
| SHANE R. ADAMS | 04/08/2014 |

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: | 14200111 |

CORRESPONDENCE DATA

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Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via

US Mail.

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Email: piuspatents@klgates.com

Correspondent Name: LAURÉN K. SHUTTLEWORTH

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Address Line 4: PITTSBURGH, PENNSYLVANIA 15222-2613

| ATTORNEY DOCKET NUMBER: | END7267USNP/130100 |
|-------------------------|------------------------|
| NAME OF SUBMITTER: | LAURÉN K. SHUTTLEWORTH |
| SIGNATURE: | /L. Shuttleworth/ |
| DATE SIGNED: | 04/21/2014 |

Total Attachments: 3

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PATENT 502775736 REEL: 032719 FRAME: 0865

ASSIGNMENT

| Serial No. | 14/200,111 |
|------------|-------------|
| Filed: Ma | rch 7, 2014 |

WHEREAS, Richard L. Leimbach, a citizen of the United States, residing at 2901 Markbreit Avenue, Cincinnati, Ohio 45209; Mark D. Overmyer, a citizen of the United States, residing at 3784 O'Leary Avenue, Cincinnati, Ohio 45236; and Shane R. Adams, a citizen of the United States, residing at 919 Evergreen Park Lane, Lebanon, Ohio 45036; (hereinafter called "Assignors"), have made certain new and useful inventions or discoveries relating to:

CONTROL SYSTEMS FOR SURGICAL INSTRUMENTS

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.

PI-3612207 vl

PATENT REEL: 032719 FRAME: 0866

Attorney Docket Number: END7267USNP/130100 Serial No. 14/200,111 Page 2 of 3

| IN TESTIMONY WHI April , 2014 | EREOF, Assignor has hereunto | set his hand and seal this 7+1 day of Richard L. Leimbach | |
|---|--|--|--------------|
| STATE OF | Ohio) | SS. | |
| COUNTY OF | Hamilton) | | |
| Public, personally apper foregoing instrument is acknowledge that he significant therein expressed. | n my presence, and I having gned, sealed, and delivered the s KARA N. TULANKO Notary Public, State of Ohio My Commission Expires May 31, 2019 | day of | l the did |
| | | Mark D. Overmyer (L.S.) | |
| STATE OF | Ohio) | SS. | |
| COUNTY OF | Hemilton } | 10. 11 | |
| Public, personally appear foregoing instrument in acknowledge that he sign therein expressed. | n my presence, and I having | day of | the did |

PATENT REEL: 032719 FRAME: 0867

Attorney Docket Number: END7267USNP/130100

Serial No. 14/200,111

Page 3 of 3

| IN TESTIMONY WHERE | EOF, Assignor ha | s hereunto set his hand and seal this day of (L.S. Shane R. Adams |) |
|--------------------|------------------|---|---|
| ያጥ ለ ጥር <u>ሰ</u> ር | Ohio |) | |

SS. COUNTY OF BE IT REMEMBERED, That on this day of April, 2014, before me, a Notary Public, personally appeared Shane R. Adams, who I am satisfied is the person named in and who executed the

foregoing instrument in my presence, and I having first made known to him the contents thereof, he did acknowledge that he signed, sealed, and delivered the same as his voluntary act and deed for the uses and purposes therein expressed. ua h. Julan

KARA N. TULANKO Notary Public, State of Ohio My Commission Expires May 31, 2019

> **PATENT REEL: 032719 FRAME: 0868**

RECORDED: 04/21/2014