503131161 01/12/2015

PATENT ASSIGNMENT COVER SHEET

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 SUBMISSION TYPE:
 NEW ASSIGNMENT

 NATURE OF CONVEYANCE:
 ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
FREDERICK E. SHELTON IV	12/02/2014
MICHAEL E. SETSER	12/02/2014
WILLIAM B. WEISENBURGH II	12/02/2014

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:	14521748	

CORRESPONDENCE DATA

Fax Number: (412)355-6501

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Correspondent Name: LAUREN K. SHUTTLEWORTH

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ATTORNEY DOCKET NUMBER: END5315USCNT3/100810CON7

NAME OF SUBMITTER: LAUREN K. SHUTTLEWORTH

SIGNATURE: /L. Shuttleworth/

DATE SIGNED: 01/12/2015

Total Attachments: 3

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PATENT 503131161 REEL: 034678 FRAME: 0623

DOCKET NO. END5315USCNT3/100810CON7

Joint Inventors

ASSIGNMENT

Serial No.	14/521,748	
Filed: Oc	tober 23, 2014	

WHEREAS, Frederick E. Shelton, IV, a citizen of the United States, residing at 245 East Main Street, Hillsboro, Ohio 45133; Michael E. Setser, a citizen of the United States, residing at 2538 Flagstone Court, Burlington, Kentucky 41005; and William B. Weisenburgh, II, a citizen of the United States, residing at 974 Airymeadows Drive, Maineville, Ohio 45039; (hereinafter called "Assignors"), have made certain new and useful inventions or discoveries relating to:

ARTICULATING SURGICAL STAPLING INSTRUMENT INCORPORATING A TWO-PIECE E-BEAM FIRING MECHANISM

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.

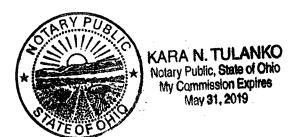
PI-3737170 v1

PATENT REEL: 034678 FRAME: 0624

IN TESTIMONY WE Decely, 201	IEREOF, Assignor has hereu 4.	unto set his hand and seal this 200 day of Frederick E. Shelton, IV
STATE OF	Ohio)) ss.
COUNTY OF	Hamilton	ý
the foregoing instrum	ent in my presence, and I	day of December, 2014, before me, a Notary IV, who I am satisfied is the person named in and who executed having first made known to him the contents thereof, he did the same as his voluntary act and deed for the uses and purposes. Notary Public
IN TESTIMONY WH 2014.	EREOF, Assignor has hereur	anto set his hand and seal this 2 do day of <u>Secember</u> Michael E. Setser April 12 do day of <u>Secember</u> (L.S.)
STATE OF	Ohio)) ss.
COUNTY OF	Hamilton	ý
Public, personally app foregoing instrument	eared Michael E. Setser, win my presence, and I ha	day of December, 2014, before me, a Notary who I am satisfied is the person named in and who executed the aving first made known to him the contents thereof, he did the same as his voluntary act and deed for the uses and purposes. Notary Public
A PUBLICATION AND AND AND AND AND AND AND AND AND AN	KARA N. TULANKO Notary Public, State of Ohio My Commission Expires May 31, 2019	

PATENT REEL: 034678 FRAME: 0625 Attorney Docket Number: END5315USCNT3/100810CON7 Serial No. 14/521,748 Page 3 of 3

IN TESTIMONY WHERI <u>December</u> , 2014.	∃OF, Assignor has hereu	into set his l	MAGE	day of (L.S.)
STATE OF	Ohio)		
COUNTY OF	Hamilton)	SS.	
Public, personally appeare executed the foregoing inst	ed William B. Weisenberument in my presence,	ourgh, II, and I havin	who I am satisfied ag first made known s his voluntary act	2014, before me, a Notary is the person named in and who is to him the contents thereof, he did and deed for the uses and purposes



PATENT REEL: 034678 FRAME: 0626

RECORDED: 01/12/2015