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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

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Stylesheet Version	V1.2					
SUBMISSION TYPE:			NEW ASSIGNMENT			
NATURE OF CONVEYANCE:			ASSIGNMENT			
CONVEYING PARTY	DATA					
		<u> </u>	Name	Execution Date		
FREDERICK E. SHE	ELTON IV			09/04/2013		
RECEIVING PARTY	DATA					
Name:	ETHICON ENI	DO-SU	RGERY, INC.			
Street Address:	4545 CREEK	4545 CREEK ROAD				
City:	CINCINNATI	CINCINNATI				
State/Country:	ОНЮ	ОНІО				
Postal Code:	45242					
CORRESPONDENCE DATA Fax Number: (412)355-6501 Phone: (412) 355-6282 Email: piuspatents@klgates.com						
			the email attempt is unsuccessful.			
Correspondent Name: BRIAN T. GEISLER						
Address Line 1: 210 SIXTH AVENUE						
Address Line 2: K&L GATES CENTER Address Line 4: PITTSBURGH, PENNSYLVANIA 15222-2613						
ATTORNEY DOCKET NUMBER:		END5675USCNT11/050504CN11				
NAME OF SUBMITTER:			BRIAN T. GEISLER			
Signature:			/Brian T. Geisler/			
Date:			01/08/2014			
Total Attachments: 2 source=signed_Assignations source=signed_Assignation						

PATENT REEL: 031915 FRAME: 0839

DOCKET NO. END5675USCNT11/050504CN11 Single Inventor

ASSIGNMENT

Serial No	. 13/971,012	
Filed: A	ugust 20, 2013	

WHEREAS, Frederick E. Shelton, IV, a citizen of the United States, residing at 245 East Main Street, Hillsboro, Ohio 45133; (hereinafter called "Assignor"), has made certain new and useful inventions or discoveries relating to:

FASTENER CARTRIDGE ASSEMBLY COMPRISING A CAM AND DRIVER ARRANGEMENT

for which he has 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 Assignor's 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 him moving, the receipt of which is hereby acknowledged, Assignor has sold, assigned, and transferred, and does, hereby sell, assign and transfer unto said Assignee his 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 Assignor if this Assignment and sale had not been made;

And Assignor hereby authorizes and requests the Commissioner of Patents of the United States to issue said Letters Patent in accordance with this Assignment;

And for the consideration aforesaid, Assignor covenants and agrees with said Assignee that he has a full and unencumbered title to the inventions and discoveries above described and hereby assigned, which title he warrants unto said Assignee, its successors and assigns;

And for the consideration aforesaid, Assignor further covenants and agrees that he will, whenever requested, but without cost to him promptly communicate to said Assignee or its representatives any facts known to him 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-3248084 v1 0237980-00319

Attorney Docket Number: END5675USCNT11/050504CN11 Serial No. 13/971,012 Page 2 of 2

STATE OF

BE IT REMEMBERED, That on this

BE IT Remembered Frederick E. Shelton, IV, 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.

SHERRI KING
Notary Public, State of Ohio

My Commission Expires November 25, 2017

> PATENT REEL: 031915 FRAME: 0841

RECORDED: 01/08/2014