502902164 07/22/2014

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:NEW ASSIGNMENTNATURE OF CONVEYANCE:ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date	
CHRISTOPHER J. HESS	04/09/2014	
JEROME R. MORGAN	04/09/2014	
FREDERICK E. SHELTON IV	04/07/2014	
WILLIAM B. WEISENBURGH II	04/09/2014	

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number				
Application Number:	14183939				

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	END5967USCNT4/060496CON4			
NAME OF SUBMITTER:	BRIAN T. GEISLER			
SIGNATURE:	/Brian T. Geisler/			
DATE SIGNED:	07/22/2014			

Total Attachments: 3

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PATENT 502902164 REEL: 033364 FRAME: 0637

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PATENT REEL: 033364 FRAME: 0638

DOCKET NO. END5967USCNT4/060496CON4

Joint Inventors

ASSIGNMENT

Serial 1	No.	14/183,939	
Filed:	Feb	ruary 19, 2014	

WHEREAS, Christopher J. Hess, a citizen of the United States, residing at 1704 East McMillan Street, Cincinnati, Ohio 45206; Jerome R. Morgan, a citizen of the United States, residing at 3275 S. Whitetree Circle, Cincinnati, Ohio 45236; Frederick E. Shelton, IV, a citizen of the United States, residing at 245 East Main Street, Hillsboro, Ohio 45133; 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:

STAPLE CARTRIDGE COMPRISING STAPLES INCLUDING A LATERAL BASE

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-3606989 v1

PATENT REEL: 033364 FRAME: 0639 Attorney Docket Number: END5967USCNT4/060496CON4 Serial No. 14/183,939 Page 2 of 3

IN TESTIMONY WHER 2014.	EOF, Assignor has here	unto set his	hand and seal this day of (L.S.)
STATE OF	Ohio)	
COUNTY OF	Hamilton	,))	SS.
Public, personally appeare foregoing instrument in	d Christopher J. Hess, my presence, and I h	who I am aving first the same a SSA MOSES ate of Ohion Expires	ay of April , 2014, before me, a Notary satisfied is the person named in and who executed the made known to him the contents thereof, he did as his voluntary act and deed for the uses and purposes Notary Public Mellisa Mase
IN TESTIMONY WHERE 2014.	OF, Assignor has hereu	into set his	hand and seal this 9^{TH} day of $Apri$,
			Jerome R. Morgan
STATE OF	Ohio)	
COUNTY OF	Hamilton.)	SS.
Public, personally appeare foregoing instrument in	my presence, and I hd, sealed, and delivered	who I am saving first the same a LISSA MOSE State of Ohision Expires	day of Apart , 2014, before me, a Notary satisfied is the person named in and who executed the made known to him the contents thereof, he did is his voluntary act and deed for the uses and purposes Notary Public Notary Public

PATENT REEL: 033364 FRAME: 0640 Attorney Docket Number: END5967USCNT4/060496CON4 Serial No. 14/183,939 Page 3 of 3

IN TESTIMONY WHERI	EOF, Assignor has here	ounto set his		nd seal this	day of (L.S.)	
STATE OF	Ohio)	99			
COUNTY OF	Hamilton)	33.	(
Public, personally appeared the foregoing instrument acknowledge that he signed therein expressed.	I <u>Frederick E. Sheltor</u> in my presence, and	a, IV, who I having find the same	I am sat irst mad as his vo	isfied is the pose known to be bluntary act and	nim the contents thereo	executed f, he did purposes
IN TESTIMONY WHERE, 2014.	OF, Assignor has heret	ınto set his	_4	d seal this	(L.S.)	
STATE OF	Ohio Hamilfons)	98			
COUNTY OF	Hamilton)	ss.	A		
BE IT REMEMB. Public, personally appeare executed the foregoing instruction acknowledge that he signed therein expressed.	d William B. Weisen rument in my presence , sealed, and delivered KIMBERLY Notary Put My Comr	burgh, II , , and I havi	who I ing first ing first ing shis volume to the control of the co	am satisfied imade known to luntary act and when when we have	o him the contents there	and who

PATENT REEL: 033364 FRAME: 0641

RECORDED: 07/22/2014