501766716 12/22/2011

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Richard W. Timm	10/27/2011
Kyle P. Moore	10/24/2011
Gregory W. Johnson	10/27/2011
John B. Schulte	10/27/2011
Daniel J. Mumaw	11/03/2011
David A. Witt	10/26/2011
Gregory A. Trees	10/31/2011

RECEIVING PARTY DATA

Name:	Ethicon Endo-Surgery, Inc.
Street Address:	4545 Creek Road, #97
City:	CINCINNATI
State/Country:	ОНЮ
Postal Code:	45242

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13270667

CORRESPONDENCE DATA

 Fax Number:
 (513)651-6981

 Phone:
 513-651-6800

 Email:
 dattix@fbtlaw.com

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

via US Mail.

Correspondent Name: Andrew B. Ulmer

Address Line 1: 3300 Great American Tower
Address Line 2: 301 East Fourth Street
Address Line 4: Cincinnati, OHIO 45202

PATENT

REEL: 027435 FRAME: 0871

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ATTORNEY DOCKET NUMBER:	END6895USNP8.0587832
NAME OF SUBMITTER:	Andrew B. Ulmer
Total Attachments: 8 source=END6895USNP8-AsnSigned#page1.tif source=END6895USNP8-AsnSigned#page2.tif source=END6895USNP8-AsnSigned#page3.tif source=END6895USNP8-AsnSigned#page4.tif source=END6895USNP8-AsnSigned#page5.tif source=END6895USNP8-AsnSigned#page6.tif source=END6895USNP8-AsnSigned#page7.tif source=END6895USNP8-AsnSigned#page7.tif source=END6895USNP8-AsnSigned#page8.tif	

PATENT REEL: 027435 FRAME: 0872

ASSIGNMENT

DOCKET NO. END6895USNP8

Serial No. 13/270,667

Filed October 11, 2011

WHEREAS, Richard W. Timm, a citizen of the United States, residing at 3405 Monteith Avenue, Apt. 1, Cincinnati 45208, County of Hamilton, and State of Ohio; Kyle P. Moore, a citizen of the United States, residing at 6518 Falling Leaves Court, Mason 45040, County of Warren, and State of Ohio; Gregory W. Johnson, a citizen of the United States, residing at 907 Center Street, Milford 45150, County of Clermont, and State of Ohio; John B. Schulte, a citizen of the United States, residing at 6769 Timberwood Drive, West Chester 45069, County of Butler, and State of Ohio; Daniel J. Mumaw, a citizen of the United States, residing at 86 Grayston Drive, 1006 Hydro Park, Sandton, Johannesburg 2196, Country of South Africa; David A. Witt, a citizen of the United States, residing at 1187 Chaucer Place, Maineville 45039, County of Warren, and State of Ohio; and Gregory A. Trees, a citizen of the United States, residing at 9265 Hickory Hill Court, Loveland 45140, County of Warren, and State of Ohio (hereinafter referred to as "ASSIGNORS"), have made certain new and useful inventions or discoveries relating to an SURGICAL INSTRUMENT WITH PIVOTING COUPLING TO MODULAR SHAFT AND END EFFECTOR, for which they have on October 11, 2011 filed 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 referred to as "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 Stated 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;

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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 they have 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 TESTIMON	NY WHEREOF, Assignor has hereunto set his/her hand and seal this 2	7 th
(L.S.)	Richard W. Timm	
STATE OF	OHIO)	
COUNTY OF	Hamilton)	

BE IT REMEMBERED, That on this 27th day of October, 2011, before me, a Notary Public, personally appeared Richard W. Timm, 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/her the contents thereof, he/she did acknowledge that he/she signed, sealed, and delivered the same as his/her voluntary act and deed for the uses and purposes therein expressed.

Notary Public

ARIAL SOLITION MANAGEMENT OF THE PROPERTY OF T

KARA N, TULANKO
NOTARY PUBLIC
STATE OF OHIO
Recorded in
Hamilton County
My Comm. Exp. 5/31/14

IN TESTIMONY WHEREOF, Assignor has hereu	into set his/her hand and seal this _	24th
day of October, 2011		
(L.S.)	Kyle P. Moore	
STATE OF)		
COUNTY OF) ss:		
BE IT REMEMBERED, That on this da Public, personally appeared Kyle P. Moore, who I executed the foregoing instrument in my presence, contents thereof, he/she did acknowledge that he/s his/her voluntary act and deed for the uses and purp	am satisfied is the person named in and I having first made known to he she signed, sealed, and delivered th	n and who im/her the
	Notar ARBARAJ. CHRIST Notary Public, State of C My Commission Expires 02-	Ohio

IN TESTIMONY WHEREOF, Assignor	has hereunto set his/her hand and seal this 27th
day of OCTOBER, 2011	
(L.S.)	Gregory W. Johnson
STATE OF OHIO	
STATE OF OHIO) ss: COUNTY OF Hamilton)	
Public, personally appeared Gregory W. J who executed the foregoing instrument him/her the contents thereof, he/she did	day of October, 2011, before me, a Notary Johnson, who I am satisfied is the person named in and in my presence, and I having first made known to acknowledge that he/she signed, sealed, and delivered for the uses and purposes therein expressed. Acada R. Wallander
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Notary Public
KARA N. TULANKO NOTARY PUBLIC STATE OF OHIO Recorded in Hamilton County My Comm. Exp. 5/31/14	

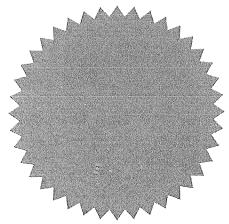
IN TESTIMONY WHEREOF, Assignor	has hereunto set his/her hand and seal this
day of October, 2011	
(L.S.)	John B. Schulte
STATE OF OHIO)	
STATE OF OHIO)ss:	
Public, personally appeared John B. Schreecuted the foregoing instrument in my	day of October, 2011, before me, a Notary alte, who I am satisfied is the person named in and who presence, and I having first made known to him/her the e that he/she signed, sealed, and delivered the same as and purposes therein expressed.
KARA N. TULANKO NOTARY PUBLIC STATE OF OHIO Recorded in Hamilton County My Comm. Exp. 5/31/14	Notary Public

IN TESTIMONY WHEREO	OF, Assignor has hereunto set his/her hand and seal this
(L.S.)	Oaniel (J. Mumaw
STATE OF) REPUBLIC OF SOUTH AFRICA) SS:) CHALTENG
COUNTY OF) SS:) CIAUTENG
Public, personally appeared who executed the foregoin him/her the contents thereof	Daniel J. Mumaw, who I am satisfied is the person named in and g instrument in my presence, and I having first made known to he/she did acknowledge that he/she signed, sealed, and delivered act and deed for the uses and purposes therein expressed.

Gertified a true copy of the original

Notary Public

EUGENE GLEN VAN DER WATT Notary Public Practising Attorney, R.S.A. 196 Oxford Road Illovo, Johannesburg



	REOF, Assignor has hereunto set his/her hand and seal this 26
day of Octi	
(L.S.)	David A. Witt
STATE OF OHIO) ton)
Public, personally appear executed the foregoing is contents thereof, he/she	PUBLIC F OHIO led in

	IN TESTIMONY WHEREOF, Assign	or has hereunto set his/her hand and seal this 31
	(L.S.)	Gregory A. Trees
	STATE OF DHIO) ss:	
	Public, personally appeared Gregory A who executed the foregoing instrume him/her the contents thereof, he/she di	day of October, 2011, before me, a Notary A. Trees, who I am satisfied is the person named in and ent in my presence, and I having first made known to id acknowledge that he/she signed, sealed, and delivered eed for the uses and purposes therein expressed.
NO VIEW PIL	KARA N. TULANKO NOTARY PUBLIC STATE OF OHIO Recorded in Hamilton County My Comm. Exp. 5/31/14	Harak. Sulanko Notary Public