PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Mark S. Ortiz	01/05/2010
Brandon L. Livingston	01/05/2010
Dhananjay V. Patil	01/27/2010
Jerome R. Morgan	01/05/2010
Theodore R. Farrell	03/05/2010
Frederick E. Shelton IV	01/05/2010

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:	12636174

CORRESPONDENCE DATA

Fax Number: (617)310-9394

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 617-439-2394

Email: csperry@nutter.com

Correspondent Name: Christina M. Sperry

Address Line 1: Nutter McClennen & Fish LLP
Address Line 2: 155 Seaport Boulevard

Address Line 4: Boston, MASSACHUSETTS 02210

ATTORNEY DOCKET NUMBER: 100873-380

PATENT REEL: 024038 FRAME: 0031 P \$40.00 12636174

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NAME OF SUBMITTER:	Christina M. Sperry
Total Attachments: 21	
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PATENT REEL: 024038 FRAME: 0032

Attorney Docket No.: 100873-0380 (END6634USNP)

ASSIGNMENT

We, Mark S. Ortiz residing at 1145 Glen Echo Lane, Milford, Ohio 45150; Brandon L. Livingston residing at 5624 Bristol Court, Mason, Ohio 45040; Dhananjay V. Patil residing at #3 Sagar Manthan Soc., Sector-4, Charkop, Kandivali, Mumbai-, INDIA; Jerome R. Morgan residing at 3275 S. Whitetree Circle, Cincinnati, Ohio 45236; Theodore R. Farrell residing at 54 Walnut Hill Drive, Penfield, New York 14526; and Frederick E. Shelton, IV residing at 245 East Main Street, Hillsboro, Ohio 45133 (hereinafter referred to as Assignors), and in consideration of One Dollar and other valuable consideration paid to us by

ETHICON ENDO-SURGERY, INC.

a corporation of Ohio, having its principal place of business at 4545 Creek Road, Cincinnati, Ohio 45242, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

ETHICON ENDO-SURGERY, INC.

its successors and assigns, our entire interest for the United States of America and all foreign countries including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in

METHODS AND DEVICES FOR PROVIDING SURGICAL ACCESS THROUGH TISSUE TO A SURGICAL SITE

described in U.S. Patent Application Serial No. 12/636,174, filed on December 11, 2009, in the United States Patent and Trademark Office, and in all Letters Patent of the United States and all foreign countries which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuing, reissue or other applications based in whole or in part thereon. And we agree, for ourselves and our executors and administrators, with said corporation and its successors and assigns but at its or their expense and charges, hereafter to execute all applications, amended specifications, deed or other instrument, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and in all other countries to said corporation, with specifications and claims in such form as shall be approved by the counsel of said corporation and to vest and confirm in said corporation, its successors and assigns, the legal title to all such patents.

And we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

[SIGNATURES ON NEXT PAGES]

IN TESTIMONY WHEREOF, Assignor has hereunto set his hand and seal this 3 day of
TANUARY , 2010
(L.S.) Mark S. Ortiz
STATE OF ONO
STATE OF
BE IT REMEMBERED, that on this had ay of harmy, he fore me, a Notary Public, personally appeared Mark S. Ortiz, 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.
My Commission Expires: Dec. 15, 2013 VAV. 10
VIRGINIA A. VANDENBURG Notary Public, State of Ohio My Commission Expires December 15, 2013

Attorney Docket No.: 100873-380 (END6634USNP)

Application Serial No.: 12/636,174

IN TESTIMONY WHEREOF, Assignor has hereunto set his hand and seal this 5⁴¹⁴ day of JANUARY 2010 (L.S.)

BE IT REMEMBERED, that on this 5th day of 1010, before me, a Notary Public, personally appeared Brandon L. Livingston, 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.

Wey (official signature and seal of notary)

My Commission Expires:

v**irginia a. Van**denburg Notary Public, State of Ohio My Commission Expires

December 15, 2013

Date	Dhananjay V. Patil
Witness:	
Date	

IN TESTIMONY WHI	EREOF, Assignor has hereunto set his hand and seal this 5^{TH} day of
JANUARY, 2011	
(L.S.)	QQ
(17.5.)	Jerome R. Morgan
STATE OF) ss:
COUNTY OF HOW	nel ton
	D, that on this May of Juny 2010, before me, a Notary cared Jerome R. Morgan, who I am satisfied is the person named in and
who executed the foreg	going instrument in my presence, and I having first made known to him
the contents thereof, he	e did acknowledge that he signed, sealed, and delivered the same as his
voluntary act and deed	for the uses and purposes therein expressed.
My Commission Expir	May (official signature and seal of notary) res:
A PUB	VIRGINIA A. VANDENBURG Notary Public, State of Ohio My Commission Expires December 15, 2013

IN TESTIMONY WHEREOF	, Assignor	has hereunto	set his hand	and seal this day of
(L.S.)				
		R. Farrell		
STATE OF	<u>.</u>)		
COUNTY OF) ss:)		
BE IT REMEMBERED, that	on this	_ day of		, before me, a Notary
Public, personally appeared <u>T</u>	heodore R.	Farrell, who	I am satisfied	l is the person named in and
who executed the foregoing is	nstrument in	n my presenc	e, and I havin	g first made known to him
the contents thereof, he did ac	cknowledge	that he signe	ed, sealed, and	delivered the same as his
voluntary act and deed for the	e uses and p	urposes there	ein expressed.	
		-	_	
	(official :	signature and	seal of notar	у)
My Commission Evnires				

IN TESTIMONY WHEREOF, Assignor has hereunto set his hand and seal this start day of season, 2010

(L.S.)

Frederick E. Shelton, IV

STATE OF OND) ss:

COUNTY OF Hamilton

BE IT REMEMBERED, that on this day of June 2010, before me, a Notary Public, personally appeared 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.

Limmell' Laul and Jugofficial signature and seal of notary)

My Commission Expires:

1881846.1

VIRGINIA A. VANDENBURG Notary Public, State of Ohio My Commission Expires December 15, 2013

Attorney Docket No.: 100873-0380 (END6634USNP)

ASSIGNMENT

We, Mark S. Ortiz residing at 1145 Glen Echo Lane, Milford, Ohio 45150; Brandon L. Livingston residing at 5624 Bristol Court, Mason, Ohio 45040; Dhananjay V. Patil residing at #3 Sagar Manthan Soc., Sector-4, Charkop, Kandivali, Mumbai-, INDIA; Jerome R. Morgan residing at 3275 S. Whitetree Circle, Cincinnati, Ohio 45236; Theodore R. Farrell residing at 54 Walnut Hill Drive, Penfield, New York 14526; and Frederick E. Shelton, IV residing at 245 East Main Street, Hillsboro, Ohio 45133 (hereinafter referred to as Assignors), and in consideration of One Dollar and other valuable consideration paid to us by

ETHICON ENDO-SURGERY, INC.

a corporation of Ohio, having its principal place of business at 4545 Creek Road, Cincinnati, Ohio 45242, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

ETHICON ENDO-SURGERY, INC.

its successors and assigns, our entire interest for the United States of America and all foreign countries including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in

METHODS AND DEVICES FOR PROVIDING SURGICAL ACCESS THROUGH TISSUE TO A SURGICAL SITE

described in U.S. Patent Application Serial No. 12/636,174, filed on December 11, 2009, in the United States Patent and Trademark Office, and in all Letters Patent of the United States and all foreign countries which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuing, reissue or other applications based in whole or in part thereon. And we agree, for ourselves and our executors and administrators, with said corporation and its successors and assigns but at its or their expense and charges, hereafter to execute all applications, amended specifications, deed or other instrument, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and in all other countries to said corporation, with specifications and claims in such form as shall be approved by the counsel of said corporation and to vest and confirm in said corporation, its successors and assigns, the legal title to all such patents.

And we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

[SIGNATURES ON NEXT PAGES]

IN TESTIMONY WHER	EOF, Assignor has hereunto set his hand and seal this day of	f
(L.S.)	Mark S. Ortiz	
STATE OF)	
COUNTY OF) ss:)	
Public, personally appeare executed the foregoing inscontents thereof, he did ac	at on this day of,, before me, a Notary Mark S. Ortiz, who I am satisfied is the person named in and wrument in my presence, and I having first made known to him the mowledge that he signed, sealed, and delivered the same as his the uses and purposes therein expressed.	ho
My Commission Expires:	(official signature and seal of notary)	

IN TESTIMONY WHEREOF	, Assignor has	hereunto set	his hand an	d seal this day of
(L.S.)	Brandon L. L	ivingston		
STATE OF)		
COUNTY OF	- -) ss:)		
BE IT REMEMBERED, that of	on this da	y of	•	, before me. a Notary
Public, personally appeared Br	andon L. Livir	ngston, who I	am satisfied	d is the person named in
and who executed the foregoin	g instrument ir	n my presence	, and I havi	ing first made known to
him the contents thereof, he did	i acknowledge	that he signe	d, sealed, a	nd delivered the same as
his voluntary act and deed for t	he uses and pu	rposes therein	n expressed	•
	(official signa	iture and seal	of notary)	
My Commission Expires:				

Date	Dhananjay V. Patil				
Witness:					
Date					

IN TESTIMONY WHEREO.	F, Assignor has hereunto set his hand and seal this day of
(L.S.)	
	Jerome R. Morgan
STATE OF)
COUNTY OF) ss:)
BE IT REMEMBERED, that	on this day of,, before me, a Notary
	erome R. Morgan, who I am satisfied is the person named in and
	nstrument in my presence, and I having first made known to him
the contents thereof, he did ac	knowledge that he signed, sealed, and delivered the same as his
voluntary act and deed for the	uses and purposes therein expressed.
	_ (official signature and seal of notary)
My Commission Expires:	

IN TESTIMONY WHEREOF, Assignor has hereunto set his hand and seal this _5 day of
(L.S.) Theodore R. Farrell
STATE OF NEW YORK)) ss: COUNTY OF MONROE)
BE IT REMEMBERED, that on this 5th day of warch, 2010, before me, a Notary Public, personally appeared Theodore R. Farrell, 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.
Marcia L Swanger Notary Public State of New York NO. 01SW4828523 Qualiffled in Monroe County My Commission Expires 26 Febr 2014

IN TESTIMONY WHEREOF, Assig	nor has hereunto	set his hand	and seal this day of
(L.S.) Freder	rick E. Shelton, I	V	
STATE OF			
COUNTY OF) ss:)		
BE IT REMEMBERED, that on this	day of	,	, before me, a Notary
Public, personally appeared Frederick	E. Shelton, IV,	who I am sat	tisfied is the person named in
and who executed the foregoing instru	ıment in my pres	sence, and I h	naving first made known to
him the contents thereof, he did acknowledge	wledge that he s	igned, sealed	d, and delivered the same as
his voluntary act and deed for the uses	s and purposes th	erein expres	sed.
(offici	al signature and	seal of notar	у)
My Commission Expires:			

Page 7 of 7

1881846.1

Attorney Docket No.: 100873-0380 (END6634USNP)

ASSIGNMENT

We, Mark S. Ortiz residing at 1145 Glen Echo Lane, Milford, Ohio 45150; Brandon L. Livingston residing at 5624 Bristol Court, Mason, Ohio 45040; Dhananjay V. Patil residing at #3 Sagar Manthan Soc., Sector-4, Charkop, Kandivali, Mumbai-, INDIA; Jerome R. Morgan residing at 3275 S. Whitetree Circle, Cincinnati, Ohio 45236; Theodore R. Farrell residing at 54 Walnut Hill Drive, Penfield, New York 14526; and Frederick E. Shelton, IV residing at 245 East Main Street, Hillsboro, Ohio 45133 (hereinafter referred to as Assignors), and in consideration of One Dollar and other valuable consideration paid to us by

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a corporation of Ohio, having its principal place of business at 4545 Creek Road, Cincinnati, Ohio 45242, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

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its successors and assigns, our entire interest for the United States of America and all foreign countries including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in

METHODS AND DEVICES FOR PROVIDING SURGICAL ACCESS THROUGH TISSUE TO A SURGICAL SITE

described in U.S. Patent Application Serial No. 12/636,174, filed on December 11, 2009, in the United States Patent and Trademark Office, and in all Letters Patent of the United States and all foreign countries which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuing, reissue or other applications based in whole or in part thereon. And we agree, for ourselves and our executors and administrators, with said corporation and its successors and assigns but at its or their expense and charges, hereafter to execute all applications, amended specifications, deed or other instrument, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and in all other countries to said corporation, with specifications and claims in such form as shall be approved by the counsel of said corporation and to vest and confirm in said corporation, its successors and assigns, the legal title to all such patents.

And we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

[SIGNATURES ON NEXT PAGES]

Page 1 of 3

PATENT REEL: 024038 FRAME: 0047

IN TESTIMONY WHERE	OF, Assignor has hereunto set his hand and seal this day of
(L.S.)	W 1 0 0 1
	Mark S. Ortiz
STATE OF)
STATE OF) ss:)
BE IT REMEMBERED, tha	at on this day of,, before me, a Notary
Public, personally appeared	Mark S. Ortiz, who I am satisfied is the person named in and who
executed the foregoing instr	rument in my presence, and I having first made known to him the
contents thereof, he did ack	nowledge that he signed, sealed, and delivered the same as his
	he uses and purposes therein expressed.
	(official signature and seal of notary)
My Commission Expires:	

IN TESTIMONY WHEREO	OF, Assignor has hereunto set his hand and seal this day of
,	
(L.S.)	
	Brandon L. Livingston
STATE OF)
STATE OF) ss:)
BE IT REMEMBERED, that	t on this day of,, before me, a Notary
	Brandon L. Livingston, who I am satisfied is the person named in
and who executed the forego	ing 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 fo	r the uses and purposes therein expressed.
	(official signature and seal of notary)
My Commission Expires:	

Attorney Docket No.: 100873-380 (END6634USNP)

Application Serial No.: 12/636,174

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Date

* HOUSE

Dhananjay V. Patil

Witness:

27.01.2010

Date

HITESH JAIN

REEL: 024038 FRAME: 0050

IN TESTIMONY WHEREOI	F, Assignor has hereunto set his hand and seal this day of
(L.S.)	
(L.S.)	Jerome R. Morgan
STATE OF)
STATE OF	
COUNTY OF	
•	
BE IT REMEMBERED, that	on this day of,, before me, a Notary
Public, personally appeared Je	erome R. Morgan, who I am satisfied is the person named in and
who executed the foregoing in	nstrument in my presence, and I having first made known to him
the contents thereof, he did ac	knowledge that he signed, sealed, and delivered the same as his
voluntary act and deed for the	uses and purposes therein expressed.
•	T . T
	_ (official signature and seal of notary)
My Commission Expires:	

IN TESTIMONY WHEREO	F, Assignor has hereunto set his hand and seal this day of
(L.S.)	Theodore R. Farrell
STATE OF)
COUNTY OF) ss:)
Public, personally appeared <u>T</u> who executed the foregoing in the contents thereof, he did ac	on this day of,, before me, a Notary Cheodore R. Farrell, who I am satisfied is the person named in and instrument in my presence, and I having first made known to him cknowledge that he signed, sealed, and delivered the same as his e uses and purposes therein expressed.
My Commission Expires:	_ (official signature and seal of notary)

IN TESTIMONY WHEREOF	R. Assignor has hereunto se	et his hand and seal this day of
(L.S.)		
	Frederick E. Shelton, IV	
STATE OF	_)	
COUNTY OF) ss:)	
BE IT REMEMBERED, that	on this day of	,, before me, a Notary
Public, personally appeared F	rederick E. Shelton, IV, wl	ho I am satisfied is the person named in
and who executed the foregoin	ng instrument in my preser	nce, and I having first made known to
him the contents thereof, he di	id acknowledge that he sig	ned, sealed, and delivered the same as
his voluntary act and deed for	the uses and purposes there	rein expressed.
	_ (official signature and se	eal of notary)
My Commission Expires:		
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Page 7 of 7