## 504435114 06/28/2017

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4481815

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
MATTHEW D. HOLCOMB	06/13/2013
JASON L. HARRIS	06/19/2013
MICHAEL J. STOKES	06/13/2013
MARK S. ZEINER	06/13/2013
LAWRENCE CRAINICH	06/10/2013
JEFFREY C. CERIER	07/11/2013
JONATHAN B. O'KEEFE	06/25/2013
KEITH D. BOUDREAU	06/13/2013

#### **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:	15626550

## **CORRESPONDENCE DATA**

**Fax Number:** (732)524-2808

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

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

**Phone:** 732-524-3967

**Email:** jnjuspatent@corus.jnj.com **Correspondent Name:** ROBERT DEBERARDINE

Address Line 1: ONE JOHNSON & JOHNSON PLAZA

Address Line 2: JOHNSON & JOHNSON

Address Line 4: NEW BRUNSWICK, NEW JERSEY 08933

ATTORNEY DOCKET NUMBER:	END6544USCNT1
NAME OF SUBMITTER:	JULIE CHAN-MORONEY
SIGNATURE:	/Julie Chan-Moroney/

**DATE SIGNED:** 06/28/2017 **Total Attachments: 45** source=ExecutedAssignment#page1.tif source=ExecutedAssignment#page2.tif source=ExecutedAssignment#page3.tif source=ExecutedAssignment#page4.tif source=ExecutedAssignment#page5.tif source=ExecutedAssignment#page6.tif source=ExecutedAssignment#page7.tif source=ExecutedAssignment#page8.tif source=ExecutedAssignment#page9.tif source=ExecutedAssignment#page10.tif source=ExecutedAssignment#page11.tif source=ExecutedAssignment#page12.tif source=ExecutedAssignment#page13.tif source=ExecutedAssignment#page14.tif source=ExecutedAssignment#page15.tif source=ExecutedAssignment#page16.tif source=ExecutedAssignment#page17.tif source=ExecutedAssignment#page18.tif source=ExecutedAssignment#page19.tif source=ExecutedAssignment#page20.tif source=ExecutedAssignment#page21.tif source=ExecutedAssignment#page22.tif source=ExecutedAssignment#page23.tif source=ExecutedAssignment#page24.tif source=ExecutedAssignment#page25.tif source=ExecutedAssignment#page26.tif source=ExecutedAssignment#page27.tif source=ExecutedAssignment#page28.tif source=ExecutedAssignment#page29.tif source=ExecutedAssignment#page30.tif source=ExecutedAssignment#page31.tif source=ExecutedAssignment#page32.tif source=ExecutedAssignment#page33.tif source=ExecutedAssignment#page34.tif source=ExecutedAssignment#page35.tif source=ExecutedAssignment#page36.tif source=ExecutedAssignment#page37.tif source=ExecutedAssignment#page38.tif source=ExecutedAssignment#page39.tif source=ExecutedAssignment#page40.tif source=ExecutedAssignment#page41.tif source=ExecutedAssignment#page42.tif source=ExecutedAssignment#page43.tif source=ExecutedAssignment#page44.tif source=ExecutedAssignment#page45.tif

## ASSIGNMENT

Serial No.: 13/911,337 Filed: June 6, 2013

WHEREAS, Matthew D. Holcomb, a citizen of the United States of America, residing at 2021 Buckeye Field Court, Lebanon, Ohio 45036; Jason L. Harris, a citizen of the United States of America, residing at 6719 Raven Crest, Hamilton, Ohio 45011; Michael J. Stokes, a citizen of the United States of America, residing at 8 Sleepy Hollow Lane, Cincinnati, Ohio 45244; Mark S. Zeiner, a citizen of the United States of America, residing at 5897 Trailside Court, Mason, Ohio 45040; Lawrence Crainich, a citizen of the United States of America, residing at 264 Ceda Road, P.O. Box 324, Charlestown, New Hampshire 03603; Jeffrey C. Cerier, a citizen of the United States of America, residing at 11 Orchard Street, Franklin, Massachusetts 02038; Jonathan B. O'Keefe, a citizen of the United States of America, residing at 45 Alton Road, North Attleboro, Massachusetts 02760; and Keith D. Boudreau, a citizen of the United States of America, residing at 16 Noble Hill Road, Beverly, Massachusetts 01915; (hereinafter called "Assignors"), have made certain new and useful inventions or discoveries relating to:

#### SURGICAL DEVICE WITH TANDEM FASTENERS

for which they have this day executed an application for Letters Patent of the United States; and

WHEREAS, Ethicon Endo-Surgery, Inc., located at 4545 Creek Road, Cincinnati, Ohio 45242, 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

END6544USCIP14 Page 1 of 9

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 TESTIMONY WI	HEREOF, Assig 2013.	gnor has hereunto se	Holcon	al this(L.S.)
STATE OF OHIO	)			
	) ss.			
COUNTY OF HAMILTON	)			
BE IT REMEMBERI	ED, That on this	abt day of	June,	2013, before me,
a Notary Public, personally ap	ppeared Matthe	w D. Holcomb , w	ho I am satisfie	d is the person
named in and who executed	the foregoing	instrument in my	presence, and I h	aving 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.

Notary Public

SHERRI KING Notary Public, State of Ohio My Commission Expires November 26, 2017

IN TESTIMONY WHEREOF, Assignor has hereunto set his hand and seal this 19 <sup>th</sup>
day of
STATE OF OHIO ) ss.
COUNTY OF HAMILTON )
BE IT REMEMBERED, That on this
voluntary act and deed for the uses and purposes therein expressed.  Notary Public
SHERRI KING Notary Public, State of Ohio My Commission Expires November 28, 2017

END6544USCIP14 Page 3 of 9

IN TESTIMONY WHEREOF, Assignor has hereunto set his hand and seal this/374
day of <u>Jime</u> , 2013.
- Althe (L.S.)
Michael J. Stokes
STATE OF OHIO
) ss. COUNTY OF HAMILTON )
, months and a second s
BE IT REMEMBERED, That on this 13th day of 11, 2013, before me
a Notary Public, personally appeared Michael J. Stokes, 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.
Volumenty act and accertor are assestant purposes and purpose
Notary Public
Trotally Fublic
JARY PUB
SHERRI KING
Notary Public, State of Ohio My Commission Expires
November 28, 2017

IN TESTIMONY WHEREOF, Assignor has hereunto set his hand and seal this day of Jujue, 2013.  Mark S. Zeiner (L.S.)
STATE OF OHIO ) ss.
COUNTY OF HAMILTON )
BE IT REMEMBERED, That on this
SHERRI KING Notary Public, State of Ohio My Commission Expires Notary Public 28 2017

day of		indo increditivo del 11	
	<u> </u>		(L.S.)
	La	wrence Crainich	
STATE OF	)		
COUNTY OF	) ss. )		
		-	, 2013, before me
a Notary Public, personally app in and who executed the forego him the contents thereof, he did voluntary act and deed for the us	oing instrument i I acknowledge th	n my presence, and at he signed, sealed	l I having first made known to
· · · · · · · · · · · · · · · · · · ·	rr	<b>F3</b>	
		Notary Pu	ıblic

END6544USCIP14 Page 6 of 9

day of, 2013.	ignor has hereunto set his hand and seal this
	(L.S.)
	Jeffrey C. Cerier
STATE OF)	
STATE OF	
a Notary Public, personally appeared <u>Jeffre</u> and who executed the foregoing instrument	day of
	Notary Public

END6544USCIP14 Page 7 of 9

day of, 2013	3.	eunto set his hand	and seal this
	Jonathan 1	B. O'Keefe	(L.S.)
STATE OF	)		
COUNTY OF	) ss. _ )		
BE IT REMEMBERED, T a Notary Public, personally appe named in and who executed the known to him the contents thereo same as his voluntary act and deed	ared <b>Jonathan B. O'</b> foregoing instrument f, he did acknowledge	Keefe, who I am in my presence, and that he signed, se	satisfied is the person nd I having first made aled, and delivered the
		Notary Public	***************************************

END6544USCIP14 Page 8 of 9

day of, 2013.	Assignor has hereunto set his hand and seal this
	(L.S.)
	Keith D. Boudreau
STATE OF	
COUNTY OF	SS.
a Notary Public, personally appeared <b>I</b> in and who executed the foregoing in	on this, 2013, before me, Keith D. Boudreau, who I am satisfied is the person named trument in my presence, and I having first made known to wledge that he signed, sealed, and delivered the same as his purposes therein expressed.
	Notary Public

END6544USCIP14 Page 9 of 9

#### ASSIGNMENT

Serial No.: 13/911,337 Filed: June 6, 2013

WHEREAS, Matthew D. Holcomb, a citizen of the United States of America, residing at 2021 Buckeye Field Court, Lebanon, Ohio 45036; Jason L. Harris, a citizen of the United States of America, residing at 6719 Raven Crest, Hamilton, Ohio 45011; Michael J. Stokes, a citizen of the United States of America, residing at 8 Sleepy Hollow Lane, Cincinnati, Ohio 45244; Mark S. Zeiner, a citizen of the United States of America, residing at 5897 Trailside Court, Mason, Ohio 45040; Lawrence Crainich, a citizen of the United States of America, residing at 264 Ceda Road, P.O. Box 324, Charlestown, New Hampshire 03603; Jeffrey C. Cerier, a citizen of the United States of America, residing at 11 Orchard Street, Franklin, Massachusetts 02038; Jonathan B. O'Keefe, a citizen of the United States of America, residing at 45 Alton Road, North Attleboro, Massachusetts 02760; and Keith D. Boudreau, a citizen of the United States of America, residing at 16 Noble Hill Road, Beverly, Massachusetts 01915; (hereinafter called "Assignors"), have made certain new and useful inventions or discoveries relating to:

## SURGICAL DEVICE WITH TANDEM FASTENERS

for which they have this day executed an application for Letters Patent of the United States; and

WHEREAS, Ethicon Endo-Surgery, Inc., located at 4545 Creek Road, Cincinnati, Ohio 45242, 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

END6544USCIP14 Page 1 of 9

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 TESTIMONY WHEREOF, Assignor has hereunto set his hand and seal this day of, 2013.
Matthew D. Holcomb
William D. Holodin
STATE OF OHIO ) ss. COUNTY OF HAMILTON )
BE IT REMEMBERED, That on this day of, 2013, before me, a Notary Public, personally appeared Matthew D. Holcomb, 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.
Notary Public

END6544USCIP14 Page 2 of 9

· · · · · · · · · · · · · · · · · · ·	gnor has hereunto set his hand and seal this
day of, 2013.	
	(L.S.)
	Jason L. Harris
STATE OF OHIO )	
) ss.	
COUNTY OF HAMILTON )	
	day of, 2013, before me,
	<b>L. Harris</b> , who I am satisfied is the person named in my presence, and I having first made known to him
	nat he signed, sealed, and delivered the same as his
voluntary act and deed for the uses and purpos	ses therein expressed.
	Notary Public

END6544USCIP14 Page 3 of 9

IN LESTIMONY WI	HEREOF, Assigno	or has hereunto set	his hand and seal this	
day of,	2013.			
			(L.S	j.)
	$\mathbf{N}$	Iichael J. Stokes		•
STATE OF OHIO	)			
	) ss.			
COUNTY OF HAMILTON	)			
	•			
BE IT REMEMBERE	ED, That on this	day of	, 2013, before m	e.
			satisfied is the person named	
			having first made known to hi	
			, and delivered the same as h	
voluntary act and deed for the				
•	r			
	_	Notary F	Public	

END6544USCIP14 Page 4 of 9

day of, 2013.	nor has hereunto set his hand and seal this	
:	Mark S. Zeiner	L.S.)
	Mark 6. Zener	
STATE OF OHIO ) ss.		
COUNTY OF HAMILTON )		
a Notary Public, personally appeared Mark S and who executed the foregoing instrument in	S. Zeiner, who I am satisfied is the person name in my presence, and I having first made known to that he signed, sealed, and delivered the same a ses therein expressed.	ed in him
	Notary Public	

END6544USCIP14 Page 5 of 9

IN TESTIMONY WHEREOF, Assignor has hereunto set his hand and seal this			
Lawrence Crainich			
STATE OF New Hampshire )  Sullivar )  Sullivar )			
BE IT REMEMBERED, That on this			
Chary S. Baraby Notary Public			

CHERYL L. BARABY, Notary Public My Commission Expires April 15, 2014

> END6544USCIP14 Page 6 of 9

IN TESTIMONY WHEREOF, Assignday of, 2013.	nor has hereunto set his hand and seal this
	(L.S.)
	Jeffrey C. Cerier
STATE OF)	
STATE OF	
a Notary Public, personally appeared <u>Jeffrey</u> and who executed the foregoing instrument in	day of
	Notary Public

END6544USCIP14 Page 7 of 9

IN TESTIMONY WHEREOF, Assign day of, 2013.	or has hereunto set his hand and seal this
, and the second	(L.S.)
•	Jonathan B. O'Keefe
STATE OF	
STATE OF	
a Notary Public, personally appeared <b>Jonat</b>	day of, 2013, before meaning means and I having first made cknowledge that he signed, sealed, and delivered the sand purposes therein expressed.
	Notary Public

END6544USCIP14 Page 8 of 9

day of, 2013.	signor has hereunto set	his hand and seal this
		(L.S.)
	Keith D. Boudreau	
STATE OF)		
STATE OF		
BE IT REMEMBERED, That on the a Notary Public, personally appeared <b>Keith</b> in and who executed the foregoing instruments thereof, he did acknowled	n D. Boudreau, who I ament in my presence, ar	am satisfied is the person named and I having first made known to
voluntary act and deed for the uses and purp		
	Notary P	Public

END6544USCIP14 Page 9 of 9

### ASSIGNMENT

Serial No.: 13/911,337 Filed: June 6, 2013

WHEREAS, Matthew D. Holcomb, a citizen of the United States of America, residing at 2021 Buckeye Field Court, Lebanon, Ohio 45036; Jason L. Harris, a citizen of the United States of America, residing at 6719 Raven Crest, Hamilton, Ohio 45011; Michael J. Stokes, a citizen of the United States of America, residing at 8 Sleepy Hollow Lane, Cincinnati, Ohio 45244; Mark S. Zeiner, a citizen of the United States of America, residing at 5897 Trailside Court, Mason, Ohio 45040; Lawrence Crainich, a citizen of the United States of America, residing at 264 Ceda Road, P.O. Box 324, Charlestown, New Hampshire 03603; Jeffrey C. Cerier, a citizen of the United States of America, residing at 11 Orchard Street, Franklin, Massachusetts 02038; Jonathan B. O'Keefe, a citizen of the United States of America, residing at 45 Alton Road, North Attleboro, Massachusetts 02760; and Keith D. Boudreaux, a citizen of the United States of America, residing at 16 Noble Hill Road, Beverly, Massachusetts 01915; (hereinafter called "Assignors"), have made certain new and useful inventions or discoveries relating to:

## SURGICAL DEVICE WITH TANDEM FASTENERS

for which they have this day executed an application for Letters Patent of the United States; and

WHEREAS, Ethicon Endo-Surgery, Inc., located at 4545 Creek Road, Cincinnati, Ohio 45242, 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

END6544USCIP14 Page 1 of 9

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 TESTIMONY WHEREOF, Assignor has hereunto set his hand and seal thisday of, 2013.
(L.S.)  Matthew D. Holcomb
STATE OF OHIO ) ss. COUNTY OF HAMILTON )
BE IT REMEMBERED, That on this day of, 2013, before me, a Notary Public, personally appeared Matthew D. Holcomb_, 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.
Notary Public

END6544USCIP14 Page 2 of 9

day of, 2013.	nor has hereunto set his hand and sear this
	(L.S.)
j	Jason L. Harris
STATE OF OHIO )	
) ss. COUNTY OF HAMILTON )	
a Notary Public, personally appeared <u>Jason I</u> and who executed the foregoing instrument in	day of
-	Notary Public

END6544USCIP14 Page 3 of 9

day of,			(L.S.)
		Michael J. Stokes	(L.U.)
STATE OF OHIO	)		
	) ss.		
COUNTY OF HAMILTON	)		
a Notary Public, personally a and who executed the forego	ppeared <u>Michae</u> sing instrument in acknowledge th	I.J. Stokes, who I am in my presence, and I hat he signed, sealed,	, 2013, before measured in a satisfied is the person named in a naving first made known to him and delivered the same as his
		Notary P	ublic

END6544USCIP14 Page 4 of 9

		or has hereunto set i	his hand and seal this
day of,	2013.		
	_		(L.S.)
	$\mathbf{N}$	Iark S. Zeiner	
STATE OF OHIO	)		
STATE OF OHIO	) ss.		
COUNTY OF HAMILTON	)		
BE IT REMEMBERI	ED, That on this _	day of	, 2013, before me,
			satisfied is the person named in
9	_		having first made known to him
	•	•	and delivered the same as his
voluntary act and deed for the	uses and purposes	s therein expressed.	
	_		
		Notary P	ublic

END6544USCIP14 Page 5 of 9

	La	wrence Crainich	(L.S.)
CTATE OF	,		
STATE OF	) ee		
COUNTY OF	)		
BE IT REMEMBERED, Tha	at on this	day of	, 2013, before me,
a Notary Public, personally appeared	Lawrence	Crainich, who I an	n satisfied is the person named
in and who executed the foregoing			
him the contents thereof, he did ack voluntary act and deed for the uses a			, and delivered the same as his
, ordinary dot and dood for the uses an	ia parposes	merem expressed.	
		Notary Pul	olic

END6544USCIP14 Page 6 of 9

IN TESTIMONY WHEREOF, Assignor has hereunto set his hand and seal this
STATE OF MA ) ) ss. COUNTY OF Bustoc )
BE IT REMEMBERED, That on this/_ day of, 2013, before me, a Notary Public, personally appeared <u>Jeffrey C. Cerier</u> , 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.
Notary Public  Notary Public  Notary Public  Commonwealth of Massachusetts  My Commission Expires July 02, 2015

IN TESTINday of	MONY WHEREOI	3, Assignor	has hereunto se	this hand and sea	ıl tnis
					(L.S.)
		Jor	nathan B. O'Ke	ef <b>e</b>	
STATE OF		)			
COUNTY OF		) 55.			
a Notary Public, p named in and wha known to him the	MEMBERED, That personally appeare to executed the for contents thereof, lary act and deed for	ed <b>Jonatha</b> r regoing inst he did ackn	n B. O'Keefe, trument in my p nowledge that he	who I am satisfic presence, and I has signed, sealed, a	ed is the person aving first made
			Notary	Public	

END6544USCIP14 Page 8 of 9

IN TESTIMONY WHEREOF, Assiday of, 2013.	ignor has hereunto set hi	s hand and seal this
, 2013.		(L.S.)
	Keith D. Boudreaux	(2.101)
STATE OF)		
STATE OF		
BE IT REMEMBERED, That on this a Notary Public, personally appeared <b>Keith</b> in and who executed the foregoing instrum him the contents thereof, he did acknowled voluntary act and deed for the uses and purp	<b>D. Boudreaux</b> , who I are nent in my presence, and ge that he signed, sealed	n satisfied is the person named. I having first made known to
	Notary Pu	blic

END6544USCIP14 Page 9 of 9

#### ASSIGNMENT

Serial No.: 13/911,337 Filed: June 6, 2013

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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

END6544USCIP14 Page 1 of 9

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 TESTIMONY WHEREOF, Assignor has hereunto set his hand and seal this
STATE OF OHIO ) ss. COUNTY OF HAMILTON )
BE IT REMEMBERED, That on this day of, 2013, before me, a Notary Public, personally appeared Matthew D. Holcomb, 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.

Notary Public

described and hereby assigned, which title they warrant unto said Assignee, its successors and

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IN TESTIMONY WHEREOF, Assign	nor has hereunto set his hand and s	eal this
day of, 2013.		
		(L.S.)
-	Jason L. Harris	
STATE OF OHIO )		
) ss.		
COUNTY OF HAMILTON )		
BE IT REMEMBERED, That on this _		
a Notary Public, personally appeared Jason I	<b>L. Harris</b> , who I am satisfied is the	person named in
and who executed the foregoing instrument in		
the contents thereof, he did acknowledge the		the same as ms
voluntary act and deed for the uses and purpose	es therein expressed.	
-	Notary Public	

		nor has hereunto set his	nand and sear uns
day of,	2013.		
			(L.S.)
		Michael J. Stokes	
STATE OF OHIO	)		
	) ss.		
COUNTY OF HAMILTON	)		
a Notary Public, personally a and who executed the forego	ppeared Michael oing instrument in acknowledge th	I.J. Stokes, who I am san my presence, and I have nat he signed, sealed, and	, 2013, before me, tisfied is the person named in ving first made known to him and delivered the same as his
		Notary Pub	lic

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			(L.S.)
	Ma	rk S. Zeiner	
STATE OF OHIO	)		
	) ss.		
COUNTY OF HAMILT	ON )		
a Notary Public, person	ally appeared Mark S. Z	Zeiner, who I am sa	, 2013, before me, tisfied is the person named in
and who executed the for the contents thereof, he	oregoing instrument in m	y presence, and I ha he signed, sealed, a	ving first made known to him and delivered the same as his
, oznacowy do o od o o	1 1	•	
		Notary Pul	olic

END6544USCIP14 Page 5 of 9

day of, 2013.	ignor has hereunto set his hand and seal this
	(L.S.)
	Lawrence Crainich
STATE OF	
COUNTY OF) ss.	
a Notary Public, personally appeared <u>Lawr</u> in and who executed the foregoing instrum	day of, 2013, before me ence Crainich, who I am satisfied is the person named nent in my presence, and I having first made known to ge that he signed, sealed, and delivered the same as his poses therein expressed.
	Notary Public

END6544USCIP14 Page 6 of 9

day of, 2013.	Assignor has hereunto set his hand and seal this
	Jeffrey C. Cerier (L.S.)
STATE OF	
STATE OF	SS.
a Notary Public, personally appeared <b>J</b> and who executed the foregoing instru	on this day of, 2013, before me, effrey C. Cerier, who I am satisfied is the person named in ment in my presence, and I having first made known to him dge that he signed, sealed, and delivered the same as his purposes therein expressed.
	Notary Public

END6544USCIP14 Page 7 of 9

IN TESTIMONY WHERE day of Jore, 2013.	OF, Assignor has hereunto set his hand and seal this 25 (L.S. Jopathan B. O'Keefe	
STATE OF Massachusetts  COUNTY OF BRISHI	) ) ss.	
BE IT REMEMBERED, The Notary Public, personally appeared	at on this 27 day of Jule, 2013, before me, Jonathan B. O'Keefe, who I am satisfied is the person name astrument in my presence, and I having first made known to him	ed

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.

MICHAEL FERREIRA, JR.
Notary Public, Commonwealth of Massachusetts
My Commission Expires October 10, 2019

day of, 2013.	ssignor has hereunto set his hand and seal this
	Keith D. Boudreaux (L.S.
STATE OF)	
STATE OF	•
a Notary Public, personally appeared <u><b>Kei</b></u> in and who executed the foregoing instru	his, 2013, before ment in my presence, and I having first made known to dge that he signed, sealed, and delivered the same as his poses therein expressed.
	Notary Public

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### ASSIGNMENT

Serial No.: 13/911,337 Filed: June 6, 2013

WHEREAS, Matthew D. Holcomb, a citizen of the United States of America, residing at 2021 Buckeye Field Court, Lebanon, Ohio 45036; Jason L. Harris, a citizen of the United States of America, residing at 6719 Raven Crest, Hamilton, Ohio 45011; Michael J. Stokes, a citizen of the United States of America, residing at 8 Sleepy Hollow Lane, Cincinnati, Ohio 45244; Mark S. Zeiner, a citizen of the United States of America, residing at 5897 Trailside Court, Mason, Ohio 45040; Lawrence Crainich, a citizen of the United States of America, residing at 264 Ceda Road, P.O. Box 324, Charlestown, New Hampshire 03603; Jeffrey C. Cerier, a citizen of the United States of America, residing at 11 Orchard Street, Franklin, Massachusetts 02038; Jonathan B. O'Keefe, a citizen of the United States of America, residing at 45 Alton Road, North Attleboro, Massachusetts 02760; and Keith D. Boudreau, a citizen of the United States of America, residing at 16 Noble Hill Road, Beverly, Massachusetts 01915; (hereinafter called "Assignors"), have made certain new and useful inventions or discoveries relating to:

# SURGICAL DEVICE WITH TANDEM FASTENERS

for which they have this day executed an application for Letters Patent of the United States; and

WHEREAS, Ethicon Endo-Surgery, Inc., located at 4545 Creek Road, Cincinnati, Ohio 45242, 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

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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 TESTIMONY WHEREOF, Assignor has hereunto set his hand and seal this
Matthew D. Holcomb
STATE OF OHIO ) ss. COUNTY OF HAMILTON )
BE IT REMEMBERED, That on this day of, 2013, before me, a Notary Public, personally appeared Matthew D. Holcomb, 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.

Notary Public

described and hereby assigned, which title they warrant unto said Assignee, its successors and

assigns;

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IN TESTIMONY WHEREOF, Assign	or has hereunto set his hand and seal this
day of, 2013.	
	(L.S.)
$ar{f J}$	ason L. Harris
STATE OF OHIO ) ss.	
COUNTY OF HAMILTON )	
a Notary Public, personally appeared <u>Jason I</u>	
•	Notary Public

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	HEREOF, Assignor has hereunto set his hand and seal this
day of,	2013.
	(L.S.)
	Michael J. Stokes
STATE OF OHIO	)
COUNTY OF HAMILTON	) ss. )
a Notary Public, personally a and who executed the forego the contents thereof, he did	ED, That on this day of, 2013, before me ppeared Michael J. Stokes, who I am satisfied is the person named ir ing instrument in my presence, and I having first made known to him acknowledge that he signed, sealed, and delivered the same as his e uses and purposes therein expressed.
	Notary Public

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	<u> </u>		(L.S.)
	Ma	rk S. Zeiner	
STATE OF OHIO	)		
	) ss.		
COUNTY OF HAMILTON	1 )		
BE IT REMEMBE	RED, That on this	day of <b>Zeiner</b> , who I am sa	, 2013, before me, tisfied is the person named in
and who executed the fores	going instrument in m d acknowledge that	y presence, and I ha he signed, sealed, a	ving first made known to him and delivered the same as his
voluntary act and deed for t	ne uses and purposes	morem empressed.	

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IN TESTIMONY WHEREOF, As day of, 2013.	signor has hereunto set his hand and seal this
	(L.S.)
	Lawrence Crainich
STATE OF)	
STATE OF ) ss COUNTY OF )	
a Notary Public, personally appeared <u>Law</u> in and who executed the foregoing instru	his day of, 2013, before me rence Crainich, who I am satisfied is the person named ment in my presence, and I having first made known to dge that he signed, sealed, and delivered the same as his roses therein expressed.
	Notary Public

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day of, 2013.	Assignor nas ne	ereunto set nis na	nd and seal this
			(L.S.)
	Jeffrey C	. Cerier	
STATE OF	an.		
COUNTY OF)	88.		
BE IT REMEMBERED, That or a Notary Public, personally appeared <u>Je</u> and who executed the foregoing instrum the contents thereof, he did acknowled voluntary act and deed for the uses and p	ffrey C. Cerier nent in my prese lge that he sign	y, who I am satist ence, and I havin ned, sealed, and	fied is the person named in g first made known to him
		Notary Public	

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day of, 2013.	ssignor has hereunto set his hand and seal this
	Jonathan B. O'Keefe
STATE OF)	
STATE OF	<b>).</b>
a Notary Public, personally appeared <b>Je</b> named in and who executed the foregoin	this day of, 2013, before me onathan B. O'Keefe, who I am satisfied is the person ng instrument in my presence, and I having first made ad acknowledge that he signed, sealed, and delivered the uses and purposes therein expressed.
	Notary Public

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IN TESTIMONY WHEREOF, Assignor has hereunto set his hand and seal this/ 37/
day of June, 2013.  Keith D. Boudreau  (L.S.)
STATE OF <u>Massachusetts</u> ) county of <u>Middlesex</u> )
BE IT REMEMBERED, That on this
Mai A Milliano Notary Public

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PATENT REEL: 043021 FRAME: 0301

**RECORDED: 06/28/2017**