

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT																						
NATURE OF CONVEYANCE:	ASSIGNMENT																						
<b>CONVEYING PARTY DATA</b>																							
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Foster B. Stulen</td> <td>05/21/2013</td> </tr> <tr> <td>John B. Schulte</td> <td>05/21/2013</td> </tr> <tr> <td>Jeffrey L. Aldridge</td> <td>05/23/2013</td> </tr> <tr> <td>Jeffery T. Kirk</td> <td>05/21/2013</td> </tr> <tr> <td>Randal T. Byrum</td> <td>05/15/2013</td> </tr> <tr> <td>Douglas J. Turner</td> <td>05/21/2013</td> </tr> <tr> <td>John M. Sarley</td> <td>05/21/2013</td> </tr> <tr> <td>David A. Witt</td> <td>05/21/2013</td> </tr> <tr> <td>William A. Olson</td> <td>05/28/2013</td> </tr> <tr> <td>Kyle P. Moore</td> <td>05/15/2013</td> </tr> </tbody> </table>		Name	Execution Date	Foster B. Stulen	05/21/2013	John B. Schulte	05/21/2013	Jeffrey L. Aldridge	05/23/2013	Jeffery T. Kirk	05/21/2013	Randal T. Byrum	05/15/2013	Douglas J. Turner	05/21/2013	John M. Sarley	05/21/2013	David A. Witt	05/21/2013	William A. Olson	05/28/2013	Kyle P. Moore	05/15/2013
Name	Execution Date																						
Foster B. Stulen	05/21/2013																						
John B. Schulte	05/21/2013																						
Jeffrey L. Aldridge	05/23/2013																						
Jeffery T. Kirk	05/21/2013																						
Randal T. Byrum	05/15/2013																						
Douglas J. Turner	05/21/2013																						
John M. Sarley	05/21/2013																						
David A. Witt	05/21/2013																						
William A. Olson	05/28/2013																						
Kyle P. Moore	05/15/2013																						
<b>RECEIVING PARTY DATA</b>																							
Name:	Ethicon Endo-Surgery, Inc.																						
Street Address:	4545 Creek Road, #97																						
City:	Cincinnati																						
State/Country:	OHIO																						
Postal Code:	45242																						
<b>PROPERTY NUMBERS Total: 1</b>																							
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13868336</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13868336																		
Property Type	Number																						
Application Number:	13868336																						
<b>CORRESPONDENCE DATA</b>																							
Fax Number:	5136516981																						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																							
Phone:	513-651-6800																						
Email:	dattix@fbtlaw.com																						
Correspondent Name:	Andrew B. Ulmer																						
Address Line 1:	3300 Great American Tower																						

OP \$40.00 13868336

Address Line 2: 301 East Fourth Street  
Address Line 4: Cincinnati, OHIO 45202

ATTORNEY DOCKET NUMBER:	END7003USNP.0605403
NAME OF SUBMITTER:	Andrew B. Ulmer
Signature:	/Andrew B. Ulmer/
Date:	07/01/2013

**Total Attachments: 13**

source=END7003USNP\_AsnSigned#page1.tif  
source=END7003USNP\_AsnSigned#page2.tif  
source=END7003USNP\_AsnSigned#page3.tif  
source=END7003USNP\_AsnSigned#page4.tif  
source=END7003USNP\_AsnSigned#page5.tif  
source=END7003USNP\_AsnSigned#page6.tif  
source=END7003USNP\_AsnSigned#page7.tif  
source=END7003USNP\_AsnSigned#page8.tif  
source=END7003USNP\_AsnSigned#page9.tif  
source=END7003USNP\_AsnSigned#page10.tif  
source=END7003USNP\_AsnSigned#page11.tif  
source=END7003USNP\_AsnSigned#page12.tif  
source=END7003USNP\_AsnSigned#page13.tif

ASSIGNMENT

Serial No. 13/868,336  
Filed: April 23, 2013

WHEREAS, **Foster B. Stulen**, a citizen of the United States of America, residing at 6245 Bridgewater Court, Mason, Ohio 45040; **John B. Schulte**, a citizen of the United States of America, residing at 6769 Timberwood Drive, West Chester, Ohio 45069; **Jeffrey L. Aldridge**, a citizen of the United States of America, residing at 106 W. Concord Drive, Lebanon, Ohio 45036; **Jeffery T. Kirk**, a citizen of the United States of America, residing at 7419 Emi Drive, Liberty Township, Ohio 45044; **Randal T. Byrum**, a citizen of the United States of America, residing at ~~370 Forest Edge Drive, South Lebanon, Ohio 45065~~; **Douglas J. Turner**, a citizen of the United States of America, residing at ~~4616 Farview Lane, Cincinnati, Ohio 45247~~; **John M. Sarley**, a citizen of the United States of America, residing at 933 Tracy Place, Mason, Ohio 45040; **David A. Witt**, a citizen of the United States of America, residing at 1187 Chaucer Place, Maineville, Ohio 45039; **William A. Olson**, a citizen of the United States of America, residing at 4067 Belle Terrace Lane, Lebanon, Ohio 45036; and **Kyle P. Moore**, a citizen of the United States of America, residing at 274 River Laurel Way, Woodstock, Georgia 30188 (hereinafter called "Assignors"), have made certain new and useful inventions or discoveries relating to:

6081 Merc Dr.  
Mason, OH 45040  
MB 5/15/13

3561  
CENTURION  
DRIVE  
CINCINNATI  
OH  
45211  
5/21/13

ULTRASONIC DEVICE FOR CUTTING AND COAGULATING

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 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.

END7003USNP

Page 2 of 13



IN TESTIMONY WHEREOF, Assignor has hereunto set his hand and seal this 21<sup>st</sup>  
day of May, 2013.

(L.S.)

*John B. Schulte*  
John B. Schulte

STATE OF OHIO                    )  
  ) ss.  
COUNTY OF HAMILTON        )

BE IT REMEMBERED, That on this 21<sup>st</sup> day of May, 2013 before me,  
a Notary Public, personally appeared **John B. Schulte**, 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.

*Sherrri King*  
Notary Public



**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 23<sup>rd</sup>  
day of MAY, 2013.

(L.S.)

Jeffrey L. Aldridge  
Jeffrey L. Aldridge

STATE OF OHIO                    )  
  ) ss.  
COUNTY OF HAMILTON    )

BE IT REMEMBERED, That on this 23<sup>rd</sup> day of May, 2013 before me,  
a Notary Public, personally appeared **Jeffrey L. Aldridge**, 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.

Sherril King  
Notary Public



**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 21  
day of May, 2013.

(L.S.)

Jeffery T. Kirk  
Jeffery T. Kirk

STATE OF OHIO            )  
  ) ss.  
COUNTY OF HAMILTON    )

BE IT REMEMBERED, That on this 21<sup>st</sup> day of May, 2013, before me,  
a Notary Public, personally appeared **Jeffery T. Kirk**, 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.

Sherril King  
Notary Public



**SHERRI KING**  
Notary Public, State of Ohio  
My Commission Expires  
November 28, 2017





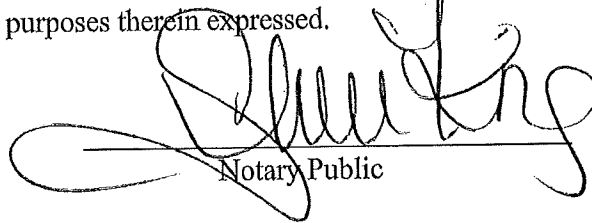
IN TESTIMONY WHEREOF, Assignor has hereunto set his hand and seal this 21<sup>ST</sup>  
day of May, 2013

(L.S.)

  
\_\_\_\_\_  
Douglas J. Turner

STATE OF OHIO            )  
                                  ) ss.  
COUNTY OF HAMILTON )

BE IT REMEMBERED, That on this 21<sup>ST</sup> day of May, 2013 before me,  
a Notary Public, personally appeared **Douglas J. Turner**, 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.

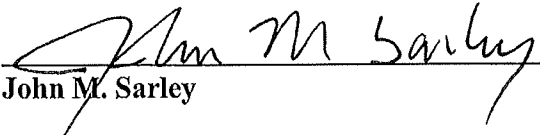
  
\_\_\_\_\_  
Notary Public



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

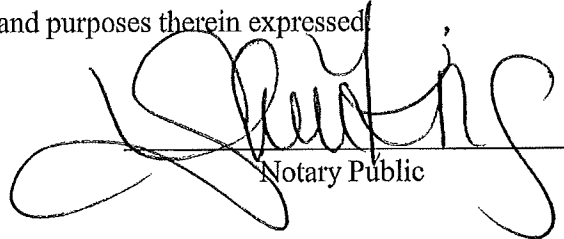
IN TESTIMONY WHEREOF, Assignor has hereunto set his hand and seal this 21<sup>ST</sup>  
day of MAY, 2013

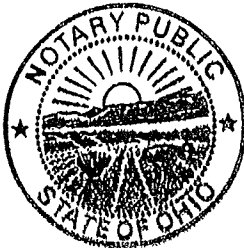
(L.S.)

  
\_\_\_\_\_  
John M. Sarley

STATE OF OHIO                    )  
  ) ss.  
COUNTY OF HAMILTON        )

BE IT REMEMBERED, That on this 21<sup>ST</sup> day of May, 2013, before me,  
a Notary Public, personally appeared **John M. Sarley**, 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



**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 21<sup>th</sup>  
day of MAY, 2013

(L.S.)

David A. Witt  
David A. Witt

STATE OF OHIO                    )  
  ) ss.  
COUNTY OF HAMILTON        )

BE IT REMEMBERED, That on this 21<sup>st</sup> day of May, 2013 before me,  
a Notary Public, personally appeared **David A. Witt**, 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.

Sherrri King  
Notary Public



**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 28  
day of May, 2013

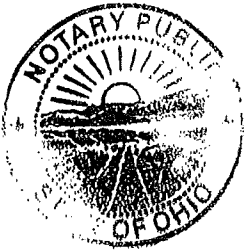
(L.S.)

William A. Olson  
William A. Olson

STATE OF OHIO )  
COUNTY OF Hamilton ) ss.

BE IT REMEMBERED, That on this 28th day of May, 2013 before me,  
a Notary Public, personally appeared **William A. Olson**, 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.

Sherrri King  
Notary Public



**SHERRI KING**  
Notary Public, State of Ohio  
My Commission Expires  
November 28, 2017

END7003USNP  
Page 11 of 13

**PATENT**  
**REEL: 030717 FRAME: 0208**



2855273

END7003USNP  
Page 13 of 13