

## PATENT ASSIGNMENT

Electronic Version v1.1  
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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

  
**CONVEYING PARTY DATA**

Name	Execution Date
Frederick E. Shelton IV	05/01/2012
Jeffrey S. Swayze	05/03/2012
Joseph H. Contiliano	05/10/2012
Chunlin Yang	05/10/2012
Cortney E. Henderson	04/26/2012
Taylor W. Aronhalt	04/26/2012
Charles J. Scheib	04/26/2012
Jeffrey L. Aldridge	04/26/2012
Katherine J. Schmid	04/30/2012

  
**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:	13433118

  
**CORRESPONDENCE DATA**

Fax Number: (412)355-6501  
 Phone: (412) 355-8249  
 Email: PIUSPATENTS@kgates.com

*Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.*

Correspondent Name: Benjamin P. Hurwitz  
 Address Line 1: 210 Sixth Avenue  
 Address Line 2: K&L Gates Center

CH \$40.00 13433118

Address Line 4: Pittsburgh, PENNSYLVANIA 15222-2613

ATTORNEY DOCKET NUMBER:

END7101USNP/110602

NAME OF SUBMITTER:

Benjamin P. Hurwitz

Total Attachments: 12

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## ASSIGNMENT

Serial No. 13/433,118Filed: March 28, 2012

WHEREAS, **Frederick E. Shelton, IV**, a citizen of the United States, residing at 245 East Main Street, Hillsboro, Ohio 45133; **Jeffrey S. Swayze**, a citizen of the United States, residing at 7047 Birchley Drive, Hamilton, Ohio 45011; **Joseph H. Contiliano**, a citizen of the United States, residing at 303 Aldin Road, Stewartsville, New Jersey 08886; **Chunlin Yang**, a citizen of the United States, residing at 93 Matthews Farm Road, Belle Mead, New Jersey 08502; **Cortney E. Henderson**, a citizen of the United States, residing at 191 Hounds Run, Loveland, Ohio 45140; **Taylor W. Aronhalt**, a citizen of the United States, residing at 306 Beech Road, Loveland, Ohio 45140; **Charles J. Scheib**, a citizen of the United States, residing at 11329 Donwiddle Drive, Loveland, Ohio 45140; **Jeffrey L. Aldridge**, a citizen of the United States, residing at 106 W. Concord Drive, Lebanon, Ohio 45036; and **Katherine J. Schmid**, a citizen of the United States, residing at 3969 Sharonview Drive, Cincinnati, Ohio 45241 (hereinafter called "Assignors"), have made certain new and useful inventions or discoveries relating to:

## TISSUE THICKNESS COMPENSATOR COMPRISING A RESERVOIR

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.

IN TESTIMONY WHEREOF, Assignor has hereunto set his hand and seal this 13<sup>th</sup> day of May, 2012.

Frederick E. Shelton, IV (L.S.)

STATE OF Ohio )  
COUNTY OF Hamilton )

ss.

BE IT REMEMBERED, That on this 13<sup>th</sup> day of May, 2012, 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.



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

Kara N. Tulanko  
Notary Public

IN TESTIMONY WHEREOF, Assignor has hereunto set his hand and seal this 3<sup>rd</sup> day of MAY, 2012.

Jeffrey S. Swayze (L.S.)  
Jeffrey S. Swayze

STATE OF Ohio )  
COUNTY OF Hamilton )

ss.

BE IT REMEMBERED, That on this 3<sup>rd</sup> day of May, 2012, before me, a Notary Public, personally appeared **Jeffrey S. Swayze**, 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.



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

Kara N. Tulanko  
Notary Public

IN TESTIMONY WHEREOF, Assignor has hereunto set his hand and seal this \_\_\_\_\_ day of \_\_\_\_\_, 2012.

\_\_\_\_\_  
**Joseph H. Contiliano** (L.S.)

STATE OF \_\_\_\_\_ )  
COUNTY OF \_\_\_\_\_ ) ss.

BE IT REMEMBERED, That on this \_\_\_\_\_ day of \_\_\_\_\_, 2012, before me, a Notary Public, personally appeared **Joseph H. Contiliano**, 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

IN TESTIMONY WHEREOF, Assignor has hereunto set his hand and seal this \_\_\_\_\_ day of \_\_\_\_\_, 2012.

\_\_\_\_\_  
**Chulin Yang** (L.S.)

STATE OF \_\_\_\_\_ )  
COUNTY OF \_\_\_\_\_ ) ss.

BE IT REMEMBERED, That on this \_\_\_\_\_ day of \_\_\_\_\_, 2012, before me, a Notary Public, personally appeared **Chulin Yang**, 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

IN TESTIMONY WHEREOF, Assignor has hereunto set his hand and seal this 26<sup>th</sup> day of April, 2012.

Cortney E. Henderson (L.S.)  
Cortney E. Henderson

STATE OF Ohio )  
COUNTY OF Hamilton ) ss.

BE IT REMEMBERED, That on this 26<sup>th</sup> day of April, 2012, before me, a Notary Public, personally appeared Cortney E. Henderson, 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.



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

Kara N. Tulanko  
Notary Public

IN TESTIMONY WHEREOF, Assignor has hereunto set his hand and seal this 26 day of Apr., 2012.

Taylor W. Aronhalt (L.S.)  
Taylor W. Aronhalt

STATE OF Ohio )  
COUNTY OF Hamilton ) ss.

BE IT REMEMBERED, That on this 26<sup>th</sup> day of April, 2012, before me, a Notary Public, personally appeared Taylor W. Aronhalt, 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.



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

Kara N. Tulanko  
Notary Public

IN TESTIMONY WHEREOF, Assignor has hereunto set his hand and seal this 26<sup>th</sup> day of April, 2012.

Charles J. Scheib (L.S.)  
Charles J. Scheib

STATE OF Ohio )  
COUNTY OF Hamilton ) ss.

BE IT REMEMBERED, That on this 26<sup>th</sup> day of April, 2012, before me, a Notary Public, personally appeared Charles J. Scheib, 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.



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

Kara N. Tulanko  
Notary Public

IN TESTIMONY WHEREOF, Assignor has hereunto set his hand and seal this 26<sup>th</sup> day of APRIL, 2012.

Jeffrey L. Aldridge (L.S.)  
Jeffrey L. Aldridge

STATE OF Ohio )  
COUNTY OF Hamilton ) ss.

BE IT REMEMBERED, That on this 26<sup>th</sup> day of April, 2012, 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.



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

Kara N. Tulanko  
Notary Public

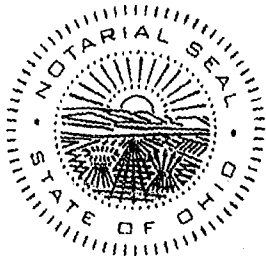
IN TESTIMONY WHEREOF, Assignor has hereunto set his hand and seal this 30<sup>TH</sup> day of APRIL, 2012.

Katherine J. Schmid (L.S.)  
Katherine J. Schmid

STATE OF Ohio )  
COUNTY OF Hamilton ) ss.

BE IT REMEMBERED, That on this 30<sup>th</sup> day of Apr. 1, 2012, before me, a Notary Public, personally appeared Katherine J. Schmid, 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.

Kara N. Tulanko  
Notary Public



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



## A S S I G N M E N T

Serial No. 13/433,118  
Filed: March 28, 2012

WHEREAS, Frederick E. Shelton, IV, a citizen of the United States, residing at 245 East Main Street, Hillsboro, Ohio 45133; Jeffrey S. Swayze, a citizen of the United States, residing at 7047 Birchley Drive, Hamilton, Ohio 45011; Joseph H. Contiliano, a citizen of the United States, residing at 303 Aldin Road, Stewartsville, New Jersey 08886; Chunlin Yang, a citizen of the United States, residing at 93 Matthews Farm Road, Belle Mead, New Jersey 08502; Cortney E. Henderson, a citizen of the United States, residing at 191 Hounds Run, Loveland, Ohio 45140; Taylor W. Aronhalt, a citizen of the United States, residing at 306 Beech Road, Loveland, Ohio 45140; Charles J. Scheib, a citizen of the United States, residing at 11329 Donwiddle Drive, Loveland, Ohio 45140; Jeffrey L. Aldridge, a citizen of the United States, residing at 106 W. Concord Drive, Lebanon, Ohio 45036; and Katherine J. Schmid, a citizen of the United States, residing at 3969 Sharonview Drive, Cincinnati, Ohio 45241 (hereinafter called "Assignors"), have made certain new and useful inventions or discoveries relating to:

## TISSUE THICKNESS COMPENSATOR COMPRISING A RESERVOIR

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.

IN TESTIMONY WHEREOF, Assignor has hereunto set his hand and seal this \_\_\_\_\_ day of \_\_\_\_\_, 2012.

\_\_\_\_\_  
Frederick E. Shelton, IV (L.S.)

STATE OF Ohio )  
 )  
COUNTY OF \_\_\_\_\_ ) ss.

BE IT REMEMBERED, That on this \_\_\_\_\_ day of \_\_\_\_\_, 2012, 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.

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

IN TESTIMONY WHEREOF, Assignor has hereunto set his hand and seal this \_\_\_\_\_ day of \_\_\_\_\_, 2012.

\_\_\_\_\_  
Jeffrey S. Swayze (L.S.)

STATE OF Ohio )  
 )  
COUNTY OF \_\_\_\_\_ ) ss.

BE IT REMEMBERED, That on this \_\_\_\_\_ day of \_\_\_\_\_, 2012, before me, a Notary Public, personally appeared **Jeffrey S. Swayze**, 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

IN TESTIMONY WHEREOF, Assignor has hereunto set his hand and seal this 10<sup>th</sup> day of May, 2012.

Joseph H. Contiliano (L.S.)  
Joseph H. Contiliano

STATE OF  
COUNTY OF

New Jersey  
Somerset

ss.

BE IT REMEMBERED, That on this 10<sup>th</sup> day of May, 2012, before me, a Notary Public, personally appeared Joseph H. Contiliano, 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.

Patricia L Twaddle  
Notary Public

PATRICIA L TWADDLE  
Notary Public  
State of New Jersey  
My Commission Expires Jun 25, 2012

IN TESTIMONY WHEREOF, Assignor has hereunto set his hand and seal this 10<sup>th</sup> day of May, 2012.

Chulin Yang (L.S.)

STATE OF  
COUNTY OF

New Jersey  
Somerset

ss.

BE IT REMEMBERED, That on this 10<sup>th</sup> day of May, 2012, before me, a Notary Public, personally appeared Chulin Yang, 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.

Patricia L Twaddle  
Notary Public

PATRICIA L TWADDLE  
Notary Public  
State of New Jersey  
My Commission Expires Jun 25, 2012

IN TESTIMONY WHEREOF, Assignor has hereunto set his hand and seal this \_\_\_\_\_ day of \_\_\_\_\_, 2012.

\_\_\_\_\_  
Cortney E. Henderson (L.S.)

STATE OF Ohio )  
 )  
COUNTY OF \_\_\_\_\_ ) ss.

BE IT REMEMBERED, That on this \_\_\_\_\_ day of \_\_\_\_\_, 2012, before me, a Notary Public, personally appeared **Cortney E. Henderson**, 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

IN TESTIMONY WHEREOF, Assignor has hereunto set his hand and seal this \_\_\_\_\_ day of \_\_\_\_\_, 2012.

\_\_\_\_\_  
Taylor W. Aronhalt (L.S.)

STATE OF Ohio )  
 )  
COUNTY OF \_\_\_\_\_ ) ss.

BE IT REMEMBERED, That on this \_\_\_\_\_ day of \_\_\_\_\_, 2012, before me, a Notary Public, personally appeared **Taylor W. Aronhalt**, 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

IN TESTIMONY WHEREOF, Assignor has hereunto set his hand and seal this \_\_\_\_\_ day of \_\_\_\_\_, 2012.

\_\_\_\_\_  
Charles J. Scheib (L.S.)

STATE OF Ohio )  
 )  
COUNTY OF \_\_\_\_\_ ) ss.

BE IT REMEMBERED, That on this \_\_\_\_\_ day of \_\_\_\_\_, 2012, before me, a Notary Public, personally appeared Charles J. Scheib, 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

IN TESTIMONY WHEREOF, Assignor has hereunto set his hand and seal this \_\_\_\_\_ day of \_\_\_\_\_, 2012.

\_\_\_\_\_  
Jeffrey L. Aldridge (L.S.)

STATE OF Ohio )  
 )  
COUNTY OF \_\_\_\_\_ ) ss.

BE IT REMEMBERED, That on this \_\_\_\_\_ day of \_\_\_\_\_, 2012, 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.

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

\_\_\_\_\_  
Katherine J. Schmid (L.S.)

Notary Public