

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT																
NATURE OF CONVEYANCE:	ASSIGNMENT																
CONVEYING PARTY DATA																	
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Rudolph H. Nobis</td> <td>10/17/2012</td> </tr> <tr> <td>Frank Jankoski</td> <td>10/17/2012</td> </tr> <tr> <td>Omar J. Vakharia</td> <td>10/17/2012</td> </tr> <tr> <td>John A. Faux</td> <td>11/13/2012</td> </tr> <tr> <td>Gregory J. Bakos</td> <td>10/17/2012</td> </tr> <tr> <td>Duane A. Linenkugel</td> <td>10/23/2012</td> </tr> <tr> <td>Christopher Paul Swain</td> <td>10/19/2012</td> </tr> </tbody> </table>		Name	Execution Date	Rudolph H. Nobis	10/17/2012	Frank Jankoski	10/17/2012	Omar J. Vakharia	10/17/2012	John A. Faux	11/13/2012	Gregory J. Bakos	10/17/2012	Duane A. Linenkugel	10/23/2012	Christopher Paul Swain	10/19/2012
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Christopher Paul Swain	10/19/2012																
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																	
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11127513</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11127513												
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Application Number:	11127513																
CORRESPONDENCE DATA																	
Fax Number:	5133378489																
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																	
Phone:	513-337-7158																
Email:	Vvanden5@its.jnj.com																
Correspondent Name:	Johnson & Johnson																
Address Line 1:	One Johnson & Johnson Plaza																
Address Line 2:	Philip S. Johnson																
Address Line 4:	New Brunswick, NEW JERSEY 08933																
ATTORNEY DOCKET NUMBER:	END5337USNP																

CH \$40.00 11127513

NAME OF SUBMITTER:

Virginia VanDenBurg

Total Attachments: 20

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A S S I G N M E N T

Serial No.: 11/127,513
Filed: May 12, 2005

WHEREAS, **Rudolph H. Nobis**, a citizen of the United States of America, residing at 4594 Atrium Court, Mason, Ohio 45040; **Frank Jankoski**, a citizen of the United States of America, residing at 6 Vista Court, Phillipsburg, New Jersey 08865; **Omar J. Vakharia** a citizen of the United States of America, residing at 2036 Berkshire Club Drive, Cincinnati, Ohio 45230, **John A. Faux**, a citizen of the United States of America, residing at 12311 North Kylene Canyon Drive, Oro Valley, Arizona 85755; **Gregory J. Bakos**, a citizen of the United States of America, residing at 5647 Hawthorn Court, Mason, Ohio 45040; **Duane A. Linenkugel**, a citizen of the United States of America, residing at 11999 Britesilks Lane, Cincinnati, Ohio 45249; and **Christopher Paul Swain**, a citizen of the United Kingdom, residing at 41 Willow Road, London NW3 1TN United Kingdom; (hereinafter called "Assignors"), have made certain new and useful inventions or discoveries relating to:

T-TYPE SUTURE ANCHORING DEVICES AND METHODS OF USING SAME

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;

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Page 1 of 5

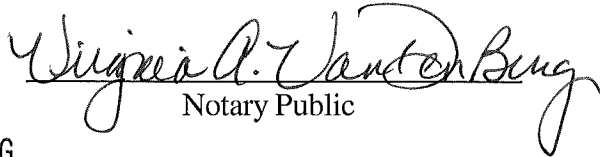
And for the consideration aforesaid, Assignors further covenant and agree that they will, whenever requested, but without cost to them promptly communicate to said Assignee or its representatives any facts known to them relating to said inventions and discoveries, testify in any interference or legal 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 17 day of October, 2012.


_____(L.S.)
Rudolph H. Nobis

STATE OF OHIO)
) ss.
COUNTY OF HAMILTON)

BE IT REMEMBERED, That on this 17th day of October, 2012, before me, a Notary Public, personally appeared Rudolph H. Nobis, 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



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 _____, 2012.

Frank Jankoski (L.S.)

STATE OF)
) ss.
COUNTY OF)

BE IT REMEMBERED, That on this _____ day of _____, 2012, before me, a Notary Public, personally appeared Frank Jankoski, 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 17 day of OCTOBER, 2012.



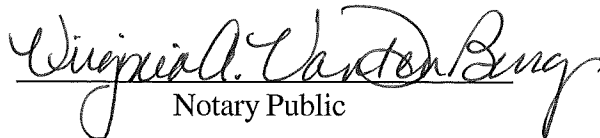
Omar J. Vakharia (L.S.)

STATE OF OHIO)
) ss.
COUNTY OF HAMILTON)

BE IT REMEMBERED, That on this 17th day of October, 2012, before me, a Notary Public, personally appeared Omar J. Vakharia, 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.



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



Notary Public

END5337USNP
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IN TESTIMONY WHEREOF, Assignor has hereunto set his hand and seal this _____ day of _____, 2012.

John A. Faux (L.S.)

STATE OF)
) ss.
COUNTY OF)

BE IT REMEMBERED, That on this _____ day of _____, 2012, before me, a Notary Public, personally appeared John A. Faux, 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 17 day of October, 2012.

Gregory J. Bakos
Gregory J. Bakos (L.S.)

STATE OF OHIO)
) ss.
COUNTY OF HAMILTON)

BE IT REMEMBERED, That on this 17th day of October, 2012, before me, a Notary Public, personally appeared Gregory J. Bakos, 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.

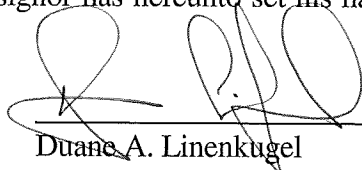


VIRGINIA A. VANDENBURG
Notary Public, State of Ohio
My Commission Expires
December 15, 2013

Virginia A. Vandenburg
Notary Public

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IN TESTIMONY WHEREOF, Assignor has hereunto set his hand and seal this 23rd
day of OCTOBER, 2012.



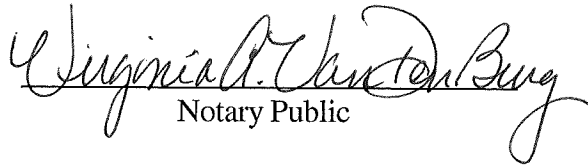
Duane A. Linenkugel (L.S.)

STATE OF OHIO)
) ss.
COUNTY OF HAMILTON)

BE IT REMEMBERED, That on this 23rd day of October, 2012, before me, a Notary Public, personally appeared Duane A. Linenkugel, 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.



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



Notary Public

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

Christopher Paul Swain (L.S.)

STATE OF)
) ss.
COUNTY OF)

BE IT REMEMBERED, That on this _____ day of _____, 2012, before me, a Notary Public, personally appeared Christopher Paul Swain, 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

A S S I G N M E N T

Serial No.: 11/127,513
Filed: May 12, 2005

WHEREAS, **Rudolph H. Nobis**, a citizen of the United States of America, residing at 4594 Atrium Court, Mason, Ohio 45040; **Frank Jankoski**, a citizen of the United States of America, residing at 6 Vista Court, Phillipsburg, New Jersey 08865; **Omar J. Vakharia** a citizen of the United States of America, residing at 2036 Berkshire Club Drive, Cincinnati, Ohio 45230, **John A. Faux**, a citizen of the United States of America, residing at 12311 North Kyle Canyon Drive, Oro Valley, Arizona 85755; **Gregory J. Bakos**, a citizen of the United States of America, residing at 5647 Hawthorn Court, Mason, Ohio 45040; **Duane A. Linenkugel**, a citizen of the United States of America, residing at 11999 Britesilks Lane, Cincinnati, Ohio 45249; and **Christopher Paul Swain**, a citizen of the United Kingdom, residing at 41 Willow Road, London NW3 1TN United Kingdom; (hereinafter called "Assignors"), have made certain new and useful inventions or discoveries relating to:

T-TYPE SUTURE ANCHORING DEVICES AND METHODS OF USING SAME

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;

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Page 1 of 5

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.

_____(L.S.)
Rudolph H. Nobis

STATE OF OHIO)
) ss.
COUNTY OF HAMILTON)

BE IT REMEMBERED, That on this _____ day of _____, 2012, before me, a Notary Public, personally appeared Rudolph H. Nobis, 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 17th
 day of OCTOBER, 2012.

Frank Jankoski (L.S.)
 Frank Jankoski

STATE OF NEW JERSEY)
) ss.
 COUNTY OF SOMERSET)

BE IT REMEMBERED, That on this 17th day of OCTOBER, 2012, before me, a Notary Public, personally appeared Frank Jankoski, 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.



[Signature]
 Notary Public
 HERLANDER AMORIM
 NOTARY PUBLIC OF NEW JERSEY
 Commission Expires 6/11/2013

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

 Omar J. Vakharia (L.S.)

STATE OF OHIO)
) ss.
 COUNTY OF HAMILTON)

BE IT REMEMBERED, That on this _____ day of _____, 2012, before me, a Notary Public, personally appeared Omar J. Vakharia, 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.

John A. Faux (L.S.)

STATE OF)
) ss.
COUNTY OF)

BE IT REMEMBERED, That on this _____ day of _____, 2012, before me, a Notary Public, personally appeared John A. Faux, 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.

Gregory J. Bakos (L.S.)

STATE OF OHIO)
) ss.
COUNTY OF HAMILTON)

BE IT REMEMBERED, That on this _____ day of _____, 2012, before me, a Notary Public, personally appeared Gregory J. Bakos, 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.

Duane A. Linenkugel (L.S.)

STATE OF OHIO)
) ss.
COUNTY OF HAMILTON)

BE IT REMEMBERED, That on this _____ day of _____, 2012, before me, a Notary Public, personally appeared Duane A. Linenkugel, 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.

Christopher Paul Swain (L.S.)

STATE OF)
) ss.
COUNTY OF)

BE IT REMEMBERED, That on this _____ day of _____, 2012, before me, a Notary Public, personally appeared Christopher Paul Swain, 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

A S S I G N M E N T

Serial No.: 11/127,513

Filed: May 12, 2005

WHEREAS, **Rudolph H. Nobis**, a citizen of the United States of America, residing at 4594 Atrium Court, Mason, Ohio 45040; **Frank Jankoski**, a citizen of the United States of America, residing at 6 Vista Court, Phillipsburg, New Jersey 08865; **Omar J. Vakharia** a citizen of the United States of America, residing at 2036 Berkshire Club Drive, Cincinnati, Ohio 45230, **John A. Faux**, a citizen of the United States of America, residing at 12311 North Kylene Canyon Drive, Oro Valley, Arizona 85755; **Gregory J. Bakos**, a citizen of the United States of America, residing at 5647 Hawthorn Court, Mason, Ohio 45040; **Duane A. Linenkugel**, a citizen of the United States of America, residing at 11999 Britesilks Lane, Cincinnati, Ohio 45249; and **Christopher Paul Swain**, a citizen of the United Kingdom, residing at 41 Willow Road, London NW3 1TN United Kingdom; (hereinafter called "Assignors"), have made certain new and useful inventions or discoveries relating to:

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

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

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Page 1 of 5

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.

Rudolph H. Nobis (L.S.)

STATE OF OHIO)
) ss.
COUNTY OF HAMILTON)

BE IT REMEMBERED, That on this _____ day of _____, 2012, before me, a Notary Public, personally appeared Rudolph H. Nobis, 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.

_____(L.S.)
Frank Jankoski

STATE OF)
) ss.
COUNTY OF)

BE IT REMEMBERED, That on this _____ day of _____, 2012, before me, a Notary Public, personally appeared Frank Jankoski, 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.

_____(L.S.)
Omar J. Vakharia

STATE OF OHIO)
) ss.
COUNTY OF HAMILTON)

BE IT REMEMBERED, That on this _____ day of _____, 2012, before me, a Notary Public, personally appeared Omar J. Vakharia, 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.

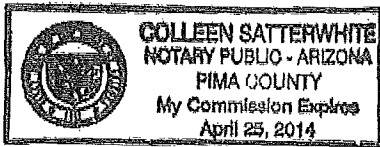
Notary Public

IN TESTIMONY WHEREOF, Assignor has hereunto set his hand and seal this 13
day of NOVEMBER, 2012.

John A. Faux (L.S.)

STATE OF Arizona)
) ss.
COUNTY OF Pima)

BE IT REMEMBERED, That on this 13th day of November, 2012, before me,
a Notary Public, personally appeared John A. Faux, 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.



Colleen Satterwhite
Notary Public

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

Gregory J. Bakos (L.S.)

STATE OF OHIO)
) ss.
COUNTY OF HAMILTON)

BE IT REMEMBERED, That on this _____ day of _____, 2012, before me,
a Notary Public, personally appeared Gregory J. Bakos, 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

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

_____(L.S.)
Duane A. Linenkugel

STATE OF OHIO)
) ss.
COUNTY OF HAMILTON)

BE IT REMEMBERED, That on this _____ day of _____, 2012, before me, a Notary Public, personally appeared Duane A. Linenkugel, 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.

_____(L.S.)
Christopher Paul Swain

STATE OF)
) ss.
COUNTY OF)

BE IT REMEMBERED, That on this _____ day of _____, 2012, before me, a Notary Public, personally appeared Christopher Paul Swain, 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

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Page 5 of 5

A S S I G N M E N T

Serial No.: 11/127,513

Filed: May 12, 2005

WHEREAS, **Rudolph H. Nobis**, a citizen of the United States of America, residing at 4594 Atrium Court, Mason, Ohio 45040; **Frank Jankoski**, a citizen of the United States of America, residing at 6 Vista Court, Phillipsburg, New Jersey 08865; **Omar J. Vakharia** a citizen of the United States of America, residing at 2036 Berkshire Club Drive, Cincinnati, Ohio 45230, **John A. Faux**, a citizen of the United States of America, residing at 12311 North Kyle Canyon Drive, Oro Valley, Arizona 85755; **Gregory J. Bakos**, a citizen of the United States of America, residing at 5647 Hawthorn Court, Mason, Ohio 45040; **Duane A. Linenkugel**, a citizen of the United States of America, residing at 11999 Britesilks Lane, Cincinnati, Ohio 45249; and **Christopher Paul Swain**, a citizen of the United Kingdom, residing at 41 Willow Road, London NW3 1TN United Kingdom; (hereinafter called "Assignors"), have made certain new and useful inventions or discoveries relating to:

T-TYPE SUTURE ANCHORING DEVICES AND METHODS OF USING SAME

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;

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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 _____ day of _____, 2012.

_____(L.S.)
Rudolph H. Nobis

STATE OF OHIO)
) ss.
COUNTY OF HAMILTON)

BE IT REMEMBERED, That on this _____ day of _____, 2012, before me, a Notary Public, personally appeared Rudolph H. Nobis, 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.

_____(L.S.)
Frank Jankoski

STATE OF)
) ss.
COUNTY OF)

BE IT REMEMBERED, That on this _____ day of _____, 2012, before me, a Notary Public, personally appeared Frank Jankoski, 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.

_____(L.S.)
Omar J. Vakharia

STATE OF OHIO)
) ss.
COUNTY OF HAMILTON)

BE IT REMEMBERED, That on this _____ day of _____, 2012, before me, a Notary Public, personally appeared Omar J. Vakharia, 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

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

John A. Faux (L.S.)

STATE OF)
) ss.
COUNTY OF)

BE IT REMEMBERED, That on this _____ day of _____, 2012, before me, a Notary Public, personally appeared John A. Faux, 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.

Gregory J. Bakos (L.S.)

STATE OF OHIO)
) ss.
COUNTY OF HAMILTON)

BE IT REMEMBERED, That on this _____ day of _____, 2012, before me, a Notary Public, personally appeared Gregory J. Bakos, 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

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

Duane A. Linenkugel (L.S.)

STATE OF OHIO)
) ss.
COUNTY OF HAMILTON)

BE IT REMEMBERED, That on this _____ day of _____, 2012, before me, a Notary Public, personally appeared Duane A. Linenkugel, 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 19th October, 2012.

C P Swain

Christopher Paul Swain (L.S.)

STATE OF)
) ss.
COUNTY OF)

London
UK

BE IT REMEMBERED, That on this _____ day of _____, 2012, before me, a Notary Public, personally appeared Christopher Paul Swain, 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

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