

# PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT																
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT																
<b>CONVEYING PARTY DATA</b>																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr><td>David K. Norvell</td><td>07/08/2010</td></tr> <tr><td>Timothy G. Dietz</td><td>07/08/2010</td></tr> <tr><td>Zhifan F. Huang</td><td>06/22/2010</td></tr> <tr><td>David A. Witt</td><td>06/22/2010</td></tr> <tr><td>Jeffrey L. Aldridge</td><td>07/08/2010</td></tr> <tr><td>Raymond M. Banks</td><td>06/29/2010</td></tr> <tr><td>Mary E. Mootoo</td><td>07/08/2010</td></tr> </tbody> </table>		Name	Execution Date	David K. Norvell	07/08/2010	Timothy G. Dietz	07/08/2010	Zhifan F. Huang	06/22/2010	David A. Witt	06/22/2010	Jeffrey L. Aldridge	07/08/2010	Raymond M. Banks	06/29/2010	Mary E. Mootoo	07/08/2010
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td><b>Name:</b></td><td>Ethicon Endo-Surgery, Inc.</td></tr> <tr><td><b>Street Address:</b></td><td>4545 Creek Road</td></tr> <tr><td><b>City:</b></td><td>Cincinnati</td></tr> <tr><td><b>State/Country:</b></td><td>OHIO</td></tr> <tr><td><b>Postal Code:</b></td><td>45242</td></tr> </table>		<b>Name:</b>	Ethicon Endo-Surgery, Inc.	<b>Street Address:</b>	4545 Creek Road	<b>City:</b>	Cincinnati	<b>State/Country:</b>	OHIO	<b>Postal Code:</b>	45242						
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<b>CORRESPONDENCE DATA</b>																	
<p>Fax Number: (412)355-6501</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: (412) 355-6282</p> <p>Email: patents@klgates.com</p> <p>Correspondent Name: Brian T. Geisler</p> <p>Address Line 1: 210 Sixth Avenue</p> <p>Address Line 2: K&amp;L Gates Center</p> <p>Address Line 4: Pittsburgh, PENNSYLVANIA 15222-2613</p>																	
<b>ATTORNEY DOCKET NUMBER:</b>	END6652USNP2/090289																

CH \$40.00 12797288

**501265746**

**PATENT**  
**REEL: 024854 FRAME: 0986**

NAME OF SUBMITTER:

Brian T. Geisler

Total Attachments: 11

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## ASSIGNMENT

Serial No. 12/797,288Filed: June 9, 2010

WHEREAS, David K. Norvell, a citizen of the United States, residing at 570 Doverdale Drive, Monroe, Ohio 45050; Timothy G. Dietz, a citizen of the United States, residing at 2 Elm Ledge, Terrace Park, Ohio 45174; Zhifan F. Huang, a citizen of the People's Republic of China, residing at 4378 Serpentine Way, Mason, Ohio 45040; David A. Witt, a citizen of the United States, residing at 1187 Chaucer Place, Maineville, Ohio 45039; Jeffrey L. Aldridge, a citizen of the United States, residing at 106 W. Concord Drive, Lebanon, Ohio 45036; Raymond M. Banks, a citizen of the United States, residing at 22303 Regnart Road, Cupertino, California 95014; and Mary E. Mootoo, a citizen of the United States, residing at 4701 Sycamore Road, Cincinnati, Ohio 45236; (hereinafter called "Assignors"), have made certain new and useful inventions or discoveries relating to:

ELECTROSURGICAL INSTRUMENT EMPLOYING MULTIPLE POSITIVE  
TEMPERATURE COEFFICIENT ELECTRODES

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 8 day of July, 2010.

David K. Norvell (L.S.)  
David K. Norvell

STATE OF Ohio )  
COUNTY OF Hamilton ) ss.

BE IT REMEMBERED, That on this 8th day of July, 2010, before me, a Notary Public, personally appeared David K. Norvell, 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

IN TESTIMONY WHEREOF, Assignor has hereunto set his hand and seal this 8th day of July, 2010.

Timothy G. Dietz (L.S.)  
Timothy G. Dietz

STATE OF Ohio )  
COUNTY OF Hamilton ) ss.

BE IT REMEMBERED, That on this 8th day of July, 2010, before me, a Notary Public, personally appeared Timothy G. Dietz, 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

IN TESTIMONY WHEREOF, Assignor has hereunto set his hand and seal this 22 day of June, 2010.

Zhifan F. Huang (L.S.)  
Zhifan F. Huang

STATE OF Ohio )  
COUNTY OF Hamilton ) ss.

BE IT REMEMBERED, That on this 22nd day of June, 2010, before me, a Notary Public, personally appeared Zhifan F. Huang, 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

IN TESTIMONY WHEREOF, Assignor has hereunto set his hand and seal this 22 day of JUNE 2010.

David A. Witt (L.S.)  
David A. Witt

STATE OF Ohio )  
COUNTY OF Hamilton ) ss.

BE IT REMEMBERED, That on this 22nd day of June, 2010, 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.



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

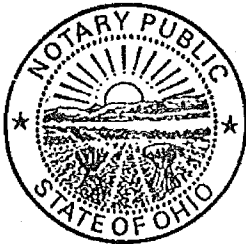
Virginia A. Vandenburg  
Notary Public

IN TESTIMONY WHEREOF, Assignor has hereunto set his hand and seal this 8<sup>th</sup> day of JULY, 2010.

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

STATE OF Ohio )  
COUNTY OF Hamilton ) ss.

BE IT REMEMBERED, That on this 8<sup>th</sup> day of July, 2010, 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.



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

Virginia A. Vandenburg  
Notary Public

IN TESTIMONY WHEREOF, Assignor has hereunto set his hand and seal this \_\_\_\_\_ day of \_\_\_\_\_, 2010.

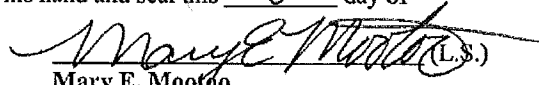
\_\_\_\_\_  
Raymond M. Banks (L.S.)

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

BE IT REMEMBERED, That on this \_\_\_\_\_ day of \_\_\_\_\_, 2010, before me, a Notary Public, personally appeared Raymond M. Banks, 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 8<sup>th</sup> day of July, 2010.


  
Mary E. Mootoo

STATE OF  
COUNTY OF

Ohio )  
Hamilton }

ss.

BE IT REMEMBERED, That on this 8<sup>th</sup> day of July, 2010, before me, a Notary Public, personally appeared Mary E. Mootoo, 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

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

Serial No. 12/797,288Filed: June 9, 2010

WHEREAS, **David K. Norvell**, a citizen of the United States, residing at 570 Doverdale Drive, Monroe, Ohio 45050; **Timothy G. Dietz**, a citizen of the United States, residing at 2 Elm Ledge, Terrace Park, Ohio 45174; **Zhifan F. Huang**, a citizen of the People's Republic of China, residing at 4378 Serpentine Way, Mason, Ohio 45040; **David A. Witt**, a citizen of the United States, residing at 1187 Chaucer Place, Maineville, Ohio 45039; **Jeffrey L. Aldridge**, a citizen of the United States, residing at 106 W. Concord Drive, Lebanon, Ohio 45036; **Raymond M. Banks**, a citizen of the United States, residing at 22303 Regnart Road, Cupertino, California 95014; and **Mary E. Mootoo**, a citizen of the United States, residing at 4701 Sycamore Road, Cincinnati, Ohio 45236; (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

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 \_\_\_\_\_, 2010.

\_\_\_\_\_  
David K. Norvell (L.S.)

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

BE IT REMEMBERED, That on this \_\_\_\_\_ day of \_\_\_\_\_, 2010, before me, a Notary Public, personally appeared **David K. Norvell**, 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 \_\_\_\_\_, 2010.

\_\_\_\_\_  
Timothy G. Dietz (L.S.)

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

BE IT REMEMBERED, That on this \_\_\_\_\_ day of \_\_\_\_\_, 2010, before me, a Notary Public, personally appeared **Timothy G. Dietz**, 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 \_\_\_\_\_, 2010.

\_\_\_\_\_  
**Zhifan F. Huang** (L.S.)

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

BE IT REMEMBERED, That on this \_\_\_\_\_ day of \_\_\_\_\_, 2010, before me, a Notary Public, personally appeared **Zhifan F. Huang**, 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 \_\_\_\_\_, 2010.

\_\_\_\_\_  
**David A. Witt** (L.S.)

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

BE IT REMEMBERED, That on this \_\_\_\_\_ day of \_\_\_\_\_, 2010, 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.

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

# CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

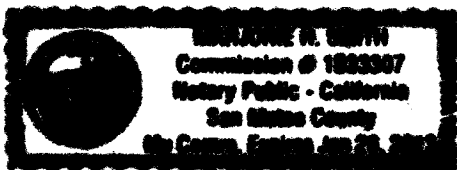
State of California

County of San Mateo } city of menlo park

On June 29, 2010 before me, Marjorie H. Smith  
Date Here Insert Name and Title of the Officer

personally appeared Raymond M. Barker  
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person~~s~~ whose name~~s~~ (s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity~~(ies)~~, and that by his/her/their signature~~s~~ on the instrument the person~~s~~, or the entity upon behalf of which the person~~s~~ acted, executed the instrument.



I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Marjorie H. Smith  
Signature of Notary Public

Place Notary Seal Above

## OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

### Description of Attached Document

Title or Type of Document: # 12/797, 286 Patent Application - June 9, 2010

Document Date: \_\_\_\_\_ Number of Pages: \_\_\_\_\_

Signer(s) Other Than Named Above: \_\_\_\_\_

### Capacity(ies) Claimed by Signer(s)

Signer's Name: \_\_\_\_\_

- ☐ Individual  
☐ Corporate Officer — Title(s): \_\_\_\_\_  
☐ Partner — ☐ Limited ☐ General  
☐ Attorney in Fact  
☐ Trustee  
☐ Guardian or Conservator  
☐ Other: \_\_\_\_\_

Signer Is Representing: \_\_\_\_\_

RIGHT THUMBPRINT  
OF SIGNER

Top of thumb here

Signer's Name: \_\_\_\_\_

- ☐ Individual  
☐ Corporate Officer — Title(s): \_\_\_\_\_  
☐ Partner — ☐ Limited ☐ General  
☐ Attorney in Fact  
☐ Trustee  
☐ Guardian or Conservator  
☐ Other: \_\_\_\_\_

Signer Is Representing: \_\_\_\_\_

RIGHT THUMBPRINT  
OF SIGNER

Top of thumb here

IN TESTIMONY WHEREOF, Assignor has hereunto set his hand and seal this \_\_\_\_\_ day of \_\_\_\_\_, 2010.

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

STATE OF Ohio )  
COUNTY OF \_\_\_\_\_ )

ss.

BE IT REMEMBERED, That on this \_\_\_\_\_ day of \_\_\_\_\_, 2010, 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

IN TESTIMONY WHEREOF, Assignor has hereunto set his hand and seal this \_\_\_\_\_ day of \_\_\_\_\_, 2010.

  
\_\_\_\_\_  
Raymond M. Banks (L.S.)

STATE OF \_\_\_\_\_ )  
COUNTY OF \_\_\_\_\_ )

ss.

BE IT REMEMBERED, That on this \_\_\_\_\_ day of \_\_\_\_\_, 2010, before me, a Notary Public, personally appeared **Raymond M. Banks**, 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 \_\_\_\_\_, 2010.

\_\_\_\_\_  
**Mary E. Mootoo** (L.S.)

STATE OF Ohio )  
 )  
COUNTY OF \_\_\_\_\_ )

ss.

BE IT REMEMBERED, That on this \_\_\_\_\_ day of \_\_\_\_\_, 2010, before me, a Notary Public, personally appeared **Mary E. Mootoo**, 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