PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

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

RECEIVING PARTY DATA

Name:	Ethicon Endo-Surgery, Inc.
Street Address:	4545 Creek Road
City:	Cincinnati
State/Country:	ОНЮ
Postal Code:	45242

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12797288

CORRESPONDENCE DATA

501265746

Fax Number: (412)355-6501

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: (412) 355-6282 Email: patents@klgates.com Correspondent Name: Brian T. Geisler Address Line 1: 210 Sixth Avenue Address Line 2: **K&L Gates Center**

Address Line 4: Pittsburgh, PENNSYLVANIA 15222-2613

ATTORNEY DOCKET NUMBER: END6652USNP2/090289

NAME OF SUBMITTER:	Brian T. Geisler
Total Attachments: 11	
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ASSIGNMENT

Serial No.	12/797,288	
Filed: 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.

PI-2385453 vI 0243605-00024

Attorney Docket Number: END6652USNP2/090289 Serial No. 12/797,288 Page 2 of 5

IN TESTIMONY WHE	EREOF, Assignor has hereunto se	Sand K. Norvell	day of (L.S.)
STATE OF	Ohio)	ss.	
COUNTY OF	Hamulton i	_	
Public, personally appearance foregoing instrument in	n my presence, and I having	day of, 20 m satisfied is the person named first made known to him the o	contents thereof, he did
* ATE OF OF	VIRGINIA A. VANDENBURG Notary Public, State of Ohlo My Commission Expires December 15, 2013	Crimial Ta	nten Brug
IN TESTIMONY WHEN 2010.	REOF, Assignor has hereunto set	his hand and seal this 8th d	ay of July,
		Timothy G. Dietz	_ (L.S.)
STATE OF	Ohio)		
COUNTY OF	Hamilton }	SS. 	
Public, personally appear foregoing instrument in	my presence, and I having	day of, 201 m satisfied is the person named if first made known to him the come as his voluntary act and deed for	ontents thereof, he did
RY PUBLISHED	VIRGINIA A. VANDENBURG	Divisia A. Van	Dan Bring
* TE OF OH	Notary Public, State of Ohlo My Commission Expires December 15, 2013		v

Attorney Docket Number: END6652USNP2/090289 Serial No. 12/797,288 Page 3 of 5

IN TESTIMONY WHEREOF, Assignor has hereunto set his hand and seal this 22 day of Zhifan F, Huang STATE OF SS. COUNTY OF BE IT REMEMBERED, That on this and day of the person named in and who executed the 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 Ohlo My Commission Expires December 15, 2013 IN TESTIMONY WHEREOF, Assignor has hereunto set his hand and seal this 22 day of June 6 2010. STATE OF SS. COUNTY OF BE IT REMEMBERED, That on this 22nd 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 Ohlo My Commission Expires December 15, 2013

> > **PATENT**

REEL: 024854 FRAME: 0990

Attorney Docket Number: END6652USNP2/090289 Serial No. 12/797,288 Page 4 of 5

IN TESTIMONY WH	EREOF, Assignor has her 0.	eunto set l	his hand and seal this	day of	
			Jeffself & Jeffrey &. Aldridge	. Wandge.s.)	
STATE OF	Ohio)			
COUNTY OF	Hamilton)	ss.		
Public, personally apperforegoing instrument	EMBERED, That on this cared <u>Jeffrey L. Aldridg</u> in my presence, and I gned, sealed, and delivered	e, who I a having fi	m satisfied is the person irst made known to him	the contents thereof,	uted the
TARY PUS SAVE OF ON	VIRGINIA A. VANDE Notary Public, State of My Commission Ex December 15, 20	of Ohio pires	() wala () - Notary Public	Carlon Brug	
IN TESTIMONY WHE 2010.	BREOF, Assignor has here	eunto set h	is hand and seal this	day of	فسد
				(T. D.)	
			Raymond M. Banks	(L.S.)	
STATE OF	<u> </u>)			
COUNTY OF	<u> </u>))	ss.		
Public, personally appe foregoing instrument i	MBERED, That on this ared Raymond M. Bank in my presence, and I gned, sealed, and delivere	<u>s,</u> who I a having fii	m satisfied is the person : rst_made_known_to_him	named in and who execute the contents thereof.	ited the
			Notary Public	-	

Attorney Docket Number: END6652USNP2/090289

Serial No. 12/797,288

Page 5 of 5

IN TESTIMONY WHEREOF, Assignor has hereunto set his hand and seal this _, 2010. STATE OF

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.

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

> > **PATENT**

REEL: 024854 FRAME: 0992

Joint Inventors

ASSIGNMENT

Serial No.	12/797,288	
Filed: 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.

PI-2385453 v1 0243605-00024

Attorney Docket Number: END6652USNP2/090289

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				(L.S.)
			David K. Norve	ell
STATE OF	Ohio)		
COUNTY OF)	SS.	
Public, personally appropriate foregoing instrument	ppeared David K. Norvell , v at in my presence, and I h	vho I am aving fir	satisfied is the per st made known to	, 2010, before me, a Notar rson named in and who executed the o him the contents thereof, he die ct and deed for the uses and purpose
	• •		Notary Public	
IN TESTIMONY WI	HEREOF, Assignor has hereu	nto set hi	s hand and seal this	day of,
2010.				
			Timothy G. Die	(L.S.)
STATE OF	Ohio)		-
COUNTY OF	<u></u>)	SS.	
Public, personally ap foregoing instrument	peared <u>Timothy G. Dietz</u> , wat in my presence, and I ha	vho I am aving firs	satisfied is the pers t made known to	, 2010, before me, a Notary son named in and who executed the him the contents thereof, he did and deed for the uses and purposes
			Notary Public	

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			Zhifan F. Huang	(L.S.)
			Ziman F. Huang	,
STATE OF	Ohio)	SS.	
COUNTY OF	·····)	33.	
Public, personally appropriate foregoing instrument	peared Zhifan F. Huan in my presence, and	ng, who I ar . I having f	n satisfied is the person r first made known to hin	, 2010, before me, a Notar named in and who executed the named the contents thereof, he did deed for the uses and purpose
			Notary Public	
IN TESTIMONY WH 2010.	EREOF, Assignor has h	nereunto set l	his hand and seal this	day of,
			David A. Witt	(L.S.)
STATE OF	Ohio)		
COUNTY OF)	SS.	
Public, personally appropersion foregoing instrument	peared David A. Witt , in my presence, and	who I am I having fi	satisfied is the person na irst made known to him	, 2010, before me, a Notary med in and who executed the the contents thereof, he did deed for the uses and purposes
			·	
			Notary Public	

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California County of Jan Mates	} city of meals lark
On August 29, 2010 before me, Paymend	Here Insert Name and Title of the Officer Mame(s) of Signer(s)
	who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that ne/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.
Gommission & 1923307 Gommission & 1923307 Notary Public - California San Matter County No Comm. Springs 492 CS. 2003	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.
Place Notary Seal Above	Signature Marynie L Smill Signature of Notary Public TIONAL
Though the information below is not required by law, and could prevent fraudulent removal and	it may prove valuable to persons relying on the document reattachment of this form to another document.
Description of Attached Document	# 12/797, 286 Replication - June 9, 2010
Title or Type of Document: Vatert	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: Other:	☐ Individual ☐ Corporate Officer — Title(s): ☐ Partner — ☐ Limited ☐ General ☐ Attorney in Fact ☐ Attorney in Fact ☐ Individual ☐ RIGHTHUMBPRINT ☐ OF SIGNER
Signer Is Representing:	Signer Is Representing:

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Attorney Docket Number: END6652USNP2/090289 Serial No. 12/797,288 Page 4 of 5

IN TESTIMONY WI	_	eunto set his hand and seal th	is day of
,20			(L.S.)
		Jeffrey L. Ald	Iridge
STATE OF	Ohio)	
COUNTY OF) ss.)	
Public, personally ap foregoing instrument	peared <u>Jeffrey L. Aldridg</u> t in my presence, and I	e, who I am satisfied is the phaving first made known	, 2010, before me, a Notar person named in and who executed the to him the contents thereof, he di act and deed for the uses and purpose
		Notary Public	
Ws. A. P.			
IN TESTIMONY WF 2010.	IEREOF, Assignor has here	eunto set his hand and seal th	is, day of,
	• ;	Raymond M.	Banks (L.S.)
STATE OF	•)	
COUNTY OF) ss. ·	
Public, personally appressing instrument	beared Raymond M. Bank in my presence, and I	<u>s,</u> who I am satisfied is the p having first made known	, 2010, before me, a Notary person named in and who executed the to him the contents thereof, he did act and deed for the uses and purposes
	,	Notary Public	

Attorney Docket Number: END6652USNP2/090289

Serial No. 12/797,288 Page 5 of 5

IN TESTIMONY W.		hereunto set his hand and seal th	his day of
, , , ,	,10.		(L.S.)
		Mary E. Moo	otoo
STATE OF	Ohio)	
COUNTY OF) ss.	
Public, personally appropriate foregoing instrument	opeared <u>Mary E. Moot</u> it in my presence, and	oo, who I am satisfied is the placed I I having first made known	, 2010, before me, a Notar person named in and who executed the to him the contents thereof, he did act and deed for the uses and purpose
		Notary Public	

RECORDED: 08/18/2010