PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Timothy G. Dietz	09/09/2010
Zhifan F. Huang	09/13/2010
David A. Witt	09/13/2010
Jeffrey L. Aldridge	09/13/2010
Raymond M. Banks	09/07/2010
Mary E. Mootoo	09/13/2010
Jeffrey S. Swayze	09/13/2010
Foster B. Stulen	09/13/2010
Prasanna Malaviya	09/13/2010
Gregory W. Johnson	09/13/2010
Paul Guerra	09/14/2010

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:	12797305

CORRESPONDENCE DATA

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

PATENT 501292606 REEL: 024997 FRAME: 0466

12797305

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Address Line 1: 210 Sixth Avenue Address Line 2: **K&L Gates Center** Address Line 4: Pittsburgh, PENNSYLVANIA 15222-2613 ATTORNEY DOCKET NUMBER: END6652USNP3/090290 NAME OF SUBMITTER: Brian T. Geisler **Total Attachments: 23** source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif source=Assignment#page4.tif source=Assignment#page5.tif source=Assignment#page6.tif source=Assignment#page7.tif source=Assignment#page8.tif source=Assignment#page9.tif source=Assignment#page10.tif source=Assignment#page11.tif source=Assignment#page12.tif source=Assignment#page13.tif source=Assignment#page14.tif source=Assignment#page15.tif source=Assignment#page16.tif source=Assignment#page17.tif source=Assignment#page18.tif source=Assignment#page19.tif source=Assignment#page20.tif source=Assignment#page21.tif source=Assignment#page22.tif

source=Assignment#page23.tif

ASSIGNMENT

Serial 1	No.	12/797,305	
Filed:	June	9, 2010	

WHEREAS, 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; Mary E. Mootoo, a citizen of the United States, residing at 4701 Sycamore Road, Cincinnati, Ohio 45236; Jeffrey S. Swayze, a citizen of the United States, residing at 7047 Birchley Drive, Hamilton, Ohio 45011; Foster B. Stulen, a citizen of the United States, residing at 6245 Bridgewater Court, Mason, Ohio 45040; Prasanna Malaviya, a citizen of the United States, residing at 5860 Maxfli Lane, Mason, Ohio 45040; Gregory W. Johnson, a citizen of the United States, residing at 907 Center Street, Milford, Ohio 45150; Paul Guerra, a citizen of the United States, residing at 16500 Bonnie Lane, Los Gatos, California 95032; (hereinaster called "Assignors"), have made certain new and useful inventions or discoveries relating to:

ELECTROSURGICAL INSTRUMENT EMPLOYING A PLURALITY OF ELECTRODES

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

WHEREAS, Bthicon 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-2385506 v1 0243605-00025

Attorney Docket Number: BND6652USNP3/090290 Serial No. 12/797,305 Page 2 of 7

IN TESTIMONY W SEPTEMBER, 20	HEREOF, Assignor has hereunto s	et his hand and seal this q h day of
		Tab X (L.S.) Timothy G. Dietz
STATE OF	Ohio)	
COUNTY OF	Hamilton }	SS.
foregoing instrumen	t in my presence, and I having	day of Leptensey, 2010, before me, a Notary am satisfied is the person named in and who executed the first made known to him the contents thereof, he did ame as his voluntary act and deed for the uses and purposes
* PUR OF OF	VIRGINIA A. VANDENBURG Notary Public, State of Ohio My Commission Expires December 15, 2013	Unignia a. Van BerBurg. Notary Public
IN TESTIMONY WE 2010.	EREOF, Assignor has hereunto set	this hand and seal this 13 that day of September
		Zhifan F. Huang (L.S.)
STATE OF	Ohio) -	
COUNTY OF	Hamelton }	SS.
BE IT REMI Public, personally app foregoing instrument acknowledge that he satherein expressed.	in my presence, and I having	ne as his voluntary act and deed for the uses and purposes
ARY PUR	VIRGINIA A. VANDENBURG Notary Public, State of Ohlo My Commission Expires December 15, 2013	Chamia G. Van Den Beng Notary Public

Attorney Docket Number: BND6652USNP3/090290 Serial No. 12/797,305 Page 3 of 7

IN TESTIMONY WHEN	REOF, Assignor has hereunto se	t his hand and seal this	day of (L.S.)
STATE OF	Ohio)		
COUNTY OF	Hamilton }	SS.	
foregoing instrument in	BERED, That on this	first made known to him	the contents thereof he did
ARY PURE A	VIRGINIA A. VANDENBURG Notary Public, State of Ohio My Commission Expires December 15, 2013	Quignica A. T. Notary Public	Jane On Beng
IN TESTIMONY WHER 2010.	EOF, Assignor has hereunto set	his hand and seal this 13°	th day of <u>SEPTEMB</u> ER
		Jeffrey L. M. Jeffrey L. Aldridge	dudges.
STATE OF)	Ohio)		
COUNTY OF	Hamelton }	SS.	·
foregoing instrument in	BERBD, That on this	in saushed is the person har	he contents thereof he did
* POPO	VIRGINIA A. VANDENBURG Notary Public, State of Ohlo My Commission Expires December 15, 2013	<u>Unmeall</u> Notary Public	Vanton Beng

Attorney Docket Number: END6652USNP3/090290 Serial No. 12/797,305 Page 4 of 7

IN TESTIMONY WHE		nto set his	s hand and seal this day of	
			Raymond M. Banks	
STATE OF		į		
COUNTY OF		.)	SS,	
Public, personally appear foregoing instrument is	ared <u>Raymond M. Banks,</u> n my presence, and I ha	who I am ving first	day of, 2010, before me, a land statisfied is the person named in and who execute tanade known to him the contents thereof, last his voluntary act and deed for the uses and put	ted the
•			Notary Public	
IN TESTIMONY WHEF 2010.	REOF, Assignor has hereun	to set his l	hand and seal this 13 day of 50 ptem. May Mary E Mary E Mootoo	per
STATE OF	Ohio)	0	
COUNTY OF	Hamilton)	SS.	
Public, personally appear foregoing instrument in acknowledge that he sign therein expressed.	my presence, and I haved and I haved and delivered the	I am sa ing first ne same as	day of September 2010, before me, a Natisfied is the person named in and who execute made known to him the contents thereof, he is his voluntary act and deed for the uses and purpose Limited A. Tamber Bur. Notary Public	d the
* *	VIRGINIA A. VANDENBURG Notary Public, State of Ohlo My Commission Expires December 15, 2013			•

Attorney Docket Number: END6652USNP3/090290 Serial No. 12/797,305 Page 5 of 7

IN TESTIMONY WH 2010.	EREOF, Assignor has hereunto	set his hand and seal thisday ofday of	>
		Jeffrey S. Swayze	
STATE OF	Ohio)	· ·	•
COUNTY OF	Hamilton ?		
Public, personally app foregoing instrument acknowledge that he si therein expressed.	in my presence, and I having gned, sealed, and delivered the VIRGINIA A. VANDENBURG Notary Public, State of Ohlo My Commission Expires December 15, 2013	I am satisfied is the person named in and who execute g first made known to him the contents thereof, he same as his voluntary act and deed for the uses and purpose and purpose of the uses of the use of the uses of the use of the uses	u me e did
IN TESTIMONY WHE	REOF, Assignor has hereunto s	tet his hand and seal this 13 fr day of South Lucy (L.S.) Foster B. Stulen	
STATE OF	Ohio)	SS.	
COUNTY OF	flamilton }		
Public, personally appe foregoing instrument i	n my presence, and I having	am satisfied is the person named in and who executed first made known to him the contents thereof, he same as his voluntary act and deed for the uses and purp	l the

REEL: 024997 FRAME: 0472

Attorney Docket Number: END6652USNP3/090290 Serial No. 12/797,305 Page 6 of 7

IN TESTIMONY WHE	REOF, Assignor has hereunto se	et his hand and seal this
		Prasanua Malaviya (L.S.)
STATE OF	Ohio)	
COUNTY OF	Hamilton } BERED, That on this 13	ss. U 2
foregoing instrument in	red <u>Prasanna Malaviya</u> , who land in the manner of the man	day of 2010, before me, a Notary am satisfied is the person named in and who executed the first made known to him the contents thereof, he did ame as his voluntary act and deed for the uses and purposes
* Proposition of the contract	VIRGINIA A. VANDENBURG Notary Public, State of Ohlo My Commission Expires December 15, 2013	Cinjina a Chanter Bung Notary Public
IN TESTIMONY WHER SEPT., 2010.	EOF, Assignor has hereunto set	his hand and seal this 13+4 day of Gregory W. Johnson (L.S.)
STATE OF	Ohio)	SS.
COUNTY OF	Hamuuton ;	
foregoing instrument in	my presence, and I having	day of September, 2010, before me, a Notary I am satisfied is the person named in and who executed the first made known to him the contents thereof, he did me as his voluntary act and deed for the uses and purposes
* * * * * * * * * * * * * * * * * * *	/IRGINIA A. VANDENBURG Notary Public, State of Ohlo My Commission Expires December 15, 2013	Winnin V. Christan Bare Notary Public

Attorney Docket Number: END6652USNP3/090290 Serial No. 12/797,305 Page 7 of 7

IN TESTIMONY WI 2010.	HEREOF, Assignor has hereun	to set his hand and seal th	is,
		Paul Guerra	(L.S.)
STATE OF)	
COUNTY OF) ss.)	
Public, personally ap foregoing instrument	peared <u>Paul Guerra,</u> who I in my presence, and I hav	am satisfied is the per- ring first made known	, 2010, before me, a Notary son named in and who executed the to him the contents thereof, he did act and deed for the uses and purposes
		Notary Public	

REEL: 024997 FRAME: 0474

ASSIGNMENT

Serial No.	12/797,305	
Filed: June	e 9, 2010	

WHEREAS, 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; Mary E. Mootoo, a citizen of the United States, residing at 4701 Sycamore Road, Cincinnati, Ohio 45236; Jeffrey S. Swayze, a citizen of the United States, residing at 7047 Birchley Drive, Hamilton, Ohio 45011; Foster B. Stulen, a citizen of the United States, residing at 6245 Bridgewater Court, Mason, Ohio 45040; Prasanna Malaviya, a citizen of the United States, residing at 5860 Maxfli Lane, Mason, Ohio 45040; Gregory W. Johnson, a citizen of the United States, residing at 907 Center Street, Milford, Ohio 45150; Paul Guerra, a citizen of the United States, residing at 16500 Bonnie Lane, Los Gatos, California 95032; (hereinafter called "Assignors"), have made certain new and useful inventions or discoveries relating to:

ELECTROSURGICAL INSTRUMENT EMPLOYING A PLURALITY OF 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-2385506 v1 0243605-00025

Attorney Docket Number: END6652USNP3/090290

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					(L.S.)	l
			Timothy G	. Dietz		
,						
STATE OF	Ohio	•				
			SS.		-	
COUNTY OF)				
BE IT REM Public, personally ap foregoing instrument acknowledge that he therein expressed.	in my presence,	. Dietz, who I and I having	am satisfied is th first made know	e person nam vn to him th	e contents there	ecuted tof, he
				*		
		:				
	•		Notary Pub	lic		
IN TESTIMONY WH 2010.	EREOF, Assignor l	has hereunto set	this hand and sea	l this	day of	
			•		•	
					(L.S.)	
	100 miles 100 miles 100 miles		Zhifan F. H		(L.S.)	
STATE OF	Ohio		Zhifan F. F	Iuang	(L.S.)	
STATE OF	Ohio		Zhifan F. F.	Iuang	(L.S.)	
	Ohio			Huang	(L.S.)	
STATE OF COUNTY OF BE IT REM Public, personally approforegoing instrument acknowledge that he stherein expressed.	EMBERED, That of the control of the	Iuang, who I a and I having	ss. day of m satisfied is the first made know	person name	2010, before me	ecuted the
BE IT REM Public, personally appropriate instrument acknowledge that he s	EMBERED, That of the control of the	Iuang, who I a and I having	ss. day of m satisfied is the first made know	person name	2010, before me	ecuted the

Attorney Docket Number: END6652USNP3/090290 Serial No. 12/797,305 Page 3 of 7

				(L.S.)
	· ·		David A. Witt	
STATE OF	Ohio)		
COUNTY OF)	SS.	
Public, personally ap foregoing instrument	ppeared <u>David A. Witt</u> t in my presence, and	<u>t,</u> who I am s l I having fi	satisfied is the person is rst made known to hi	, 2010, before me, a Nota named in and who executed in m the contents thereof, he of id deed for the uses and purpos
• • • • • • • • • • • • • • • • • • •				
			Notary Public	
N TESTIMONY WH 2010.	IEREOF, Assignor has l	hereunto set h	is hand and seal this	day of,
				(L.S.)
			Jeffrey L. Aldridge	
TATE OF	Ohio	`		
STATE OF	Ohio)	ss.	
	Ohio)	SS.	
COUNTY OF BE IT REM Public, personally appropriate instrument acknowledge that he seems	EMBERED, That on the cared <u>Jeffrey L. Aldri</u> in my presence, and	i <u>dge</u> , who I ar I having fir	_ day of n satisfied is the person rst made known to hir	, 2010, before me, a Nota named in and who executed to the contents thereof, he do
Public, personally appropriate for a present the contract of t	EMBERED, That on the cared <u>Jeffrey L. Aldri</u> in my presence, and	i <u>dge</u> , who I ar I having fir	_ day of n satisfied is the person rst made known to hir	, 2010, before me, a Nota named in and who executed to the contents thereof, he do d deed for the uses and purpos

Attorney Docket Number: END6652USNP3/090290 Serial No. 12/797,305 Page 4 of 7

in testimony September	WHEREOF, Assignor h, 2010.	nas hereunto set	his hand and seal this	\mathcal{M}	
			Raymond M. B.	(L.)	S.)
STATE OF		_)		16	
COUNTY OF	·)	SS.		
Public, personally foregoing instrun	EMEMBERED, That of appeared Raymond Monent in my presence, he signed, sealed, and of	. Banks, who I and I having f	am satisfied is the pe irst made known to	rson named in and who him the contents the	executed the reof, he di
			Notary Public		
IN TESTIMONY 2010.	WHEREOF, Assignor h	as hereunto set l	nis hand and seal this	day of	
			Mary E. Mooto	(L.S.)	
STATE OF	<u>Ohio</u>				
COUNTY OF	***************************************)	SS.		
Public, personally foregoing instrum	EMEMBERED, That o appeared Mary E. Mo lent in my presence, a he signed, sealed, and d	otoo, who I am and I having fi	n satisfied is the pers rst made known to	on named in and who on the contents the	executed the reof, he did
		·			
			Notary Public		

State of California	SS-Ments Park Narjonie H. Smith Notary Here Insert Name and Title of the Officer M. Bair A
County of San mates	
a Sept. 7 2010 hoters ma M	MARIANIO H. Smith Notare
Date Defore me,	Here Insert Name and Title of the Officer
personally appeared <u>laymond</u>	m. Bank
U	Name(s) of Signer(s)
	who proved to me on the basis of satisfactory
	evidence to be the person(\$\text{\final}\text{ whose name(\$\text{\final}\text{ is/are}
	subscribed to the within instrument and acknowledged to me that he/she/they executed the same in
	his/her/their authorized capacity(res), and that by
	his/her/their signature(x) on the instrument the
	person (s), or the entity upon behalf of which the
BURNORF II. BURNI	person(acted, executed the instrument.
Commission # 1833307	I certify under PENALTY OF PERJURY under the
San Nation County	laws of the State of California that the foregoing
Mr. Comm. Emires Jim 24, 2913	paragraph is true and correct.
	WITNESS my hand and official seal.
	Signature: Mayne & Sand
Place Notary Seal Above	Signature of Notary Public
Though the information below is not required by	y law, it may prove valuable to persons relying on the document
	al and reattachment of this form to another document.
Description of Attached Document	Application # 12/797, 305
	Number of Pages: 7
	Number of Pages:/
Signer(s) Other Than Named Above:	
Capacity(ies) Claimed by Signer(s)	Oireanda Naman
Signer's Name:	Signer's Name:
Gorporate Officer — Title(s).	PRINT Individual RIGHT THIMBERINT
OF SIGNE OF SIGNE OF SIGNE	OF SIGNER Partner — I limited I General Top of thumb here
Attorney in Fact	Attorney in Fact
☐ Trustee	□ Trustee
☐ Guardian or Conservator	☐ Guardian or Conservator
□ Other:	☐ Other:
	Signer Is Representing:
Signer Is Representing:	J
Capacity(ies) Claimed by Signer(s) Signer's Name: Corporate Officer — Title(s): Individual Partner — Limited General Attorney in Fact Trustee Guardian or Conservator Other: Signer Is Representing: National Notary Association • NationalNotary.org • 1-800-US NOTARY	

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	•			(T C)
			Jeffrey S. Sway	(L.S.)
STATE OF	Ohio)		
COUNTY OF)	SS.	
Public, personally app foregoing instrument	peared <u>Jeffrey S. Swayze</u> , v in my presence, and I h	who I am aving fir	satisfied is the pers st made known to	, 2010, before me, a Not son named in and who executed him the contents thereof, he et and deed for the uses and purpo
			Notary Public	
			Notary Public	
IN TESTIMONY WH , 201	EREOF, Assignor has hereu 0.	nto set hi		<u> </u>
	_	nto set hi		(L.S.)
	_	nto set hi	s hand and seal this	(L.S.)
	_	nto set hi	s hand and seal this	(L.S.)
, 201	0.	nto set hi	s hand and seal this	(L.S.)

Attorney Docket Number: END6652USNP3/090290 Serial No. 12/797,305 Page 6 of 7

STATE OF Ohio STATE OF Ohio SS. COUNTY OF SS. BE IT REMEMBERED, That on this day of, 2010, before me, a graph of, 2010. Notary Public Notary Public The Testimony Whereof, Assignor has hereunto set his hand and seal this day of, 2010, before me, a graph of						(7. G.)
BE IT REMEMBERED, That on this day of, 2010, before me, a content of the uses and pherein expressed. Notary Public day of, 2010, before me, a content of the uses and pherein expressed. Notary Public day of					Prasanna Malavi	(L.S.) ya
BE IT REMEMBERED, That on this day of, 2010, before me, a Public, personally appeared Prasanna Malaviva, who I am satisfied is the person named in and who exectoregoing instrument in my presence, and I having first made known to him the contents thereof, acknowledge that he signed, sealed, and delivered the same as his voluntary act and deed for the uses and therein expressed. Notary Public Notary Public Notary Public Notary Public TATE OF Ohio	STATE OF	Ohio) .		
Public, personally appeared Prasanna Malaviva, who I am satisfied is the person named in and who exectoregoing instrument in my presence, and I having first made known to him the contents thereof, cknowledge that he signed, sealed, and delivered the same as his voluntary act and deed for the uses and herein expressed. Notary Public Notary Public Notary Public Notary Public TATE OF Ohio Section Ohio BE IT REMEMBERED, That on this day of day of public, personally appeared Gregory W. Johnson, who I am satisfied is the person named in and who executoregoing instrument in my presence, and I having first made known to him the contents thereof, cknowledge that he signed, sealed, and delivered the same as his voluntary act and deed for the uses and presence of the contents thereof, cknowledge that he signed, sealed, and delivered the same as his voluntary act and deed for the uses and presence of the contents thereof, cknowledge that he signed, sealed, and delivered the same as his voluntary act and deed for the uses and presence of the contents thereof, cknowledge that he signed, sealed, and delivered the same as his voluntary act and deed for the uses and presence of the contents thereof, cknowledge that he signed, sealed, and delivered the same as his voluntary act and deed for the uses and presence of the contents thereof, cknowledge that he signed, sealed, and delivered the same as his voluntary act and deed for the uses and presence of the contents thereof, the contents the contents thereof, the contents the conten	COUNTY OF))	SS.	
N TESTIMONY WHEREOF, Assignor has hereunto set his hand and seal this day of (L.S.) Gregory W. Johnson TATE OF) ss. COUNTY OF) ss. BE IT REMEMBERED, That on this day of, 2010, before me, a ublic, personally appeared Gregory W. Johnson, who I am satisfied is the person named in and who execute oregoing instrument in my presence, and I having first made known to him the contents thereof, cknowledge that he signed, sealed, and delivered the same as his voluntary act and deed for the uses and presence.	Public, personally ap oregoing instrumen cknowledge that he	peared <u>Prasanna</u> t in my presenc	Malaviya e, and I l	, who I a naving fi	m satisfied is the persons rst made known to l	on named in and who executed him the contents thereof, he
TESTIMONY WHEREOF, Assignor has hereunto set his hand and seal this						
Gregory W. Johnson TATE OF Ohio Ss. OUNTY OF BE IT REMEMBERED, That on this day of, 2010, before me, a ablic, personally appeared Gregory W. Johnson, who I am satisfied is the person named in and who executegoing instrument in my presence, and I having first made known to him the contents thereof, eknowledge that he signed, sealed, and delivered the same as his voluntary act and deed for the uses and presence.	•				Notary Public	•
Gregory W. Johnson TATE OF Ohio Ss. OUNTY OF BE IT REMEMBERED, That on this day of, 2010, before me, a ublic, personally appeared Gregory W. Johnson, who I am satisfied is the person named in and who execute oregoing instrument in my presence, and I having first made known to him the contents thereof, exhausted the signed, sealed, and delivered the same as his voluntary act and deed for the uses and presence.						
Gregory W. Johnson TATE OF Ohio SS. COUNTY OF BE IT REMEMBERED, That on this day of, 2010, before me, a sublic, personally appeared Gregory W. Johnson, who I am satisfied is the person named in and who execute oregoing instrument in my presence, and I having first made known to him the contents thereof, cknowledge that he signed, sealed, and delivered the same as his voluntary act and deed for the uses and presence.						
Gregory W. Johnson TATE OF Ohio SS. COUNTY OF BE IT REMEMBERED, That on this day of, 2010, before me, a sublic, personally appeared Gregory W. Johnson, who I am satisfied is the person named in and who execute oregoing instrument in my presence, and I having first made known to him the contents thereof, cknowledge that he signed, sealed, and delivered the same as his voluntary act and deed for the uses and presence.			or has here	ınto set h	is hand and seal this _	day of
Gregory W. Johnson TATE OF Ohio SS. OUNTY OF BE IT REMEMBERED, That on this day of, 2010, before me, a sublic, personally appeared Gregory W. Johnson, who I am satisfied is the person named in and who executoregoing instrument in my presence, and I having first made known to him the contents thereof, cknowledge that he signed, sealed, and delivered the same as his voluntary act and deed for the uses and presence.	, 20	10.				(LS)
BE IT REMEMBERED, That on this day of, 2010, before me, a ublic, personally appeared <u>Gregory W. Johnson</u> , who I am satisfied is the person named in and who execoregoing instrument in my presence, and I having first made known to him the contents thereof, cknowledge that he signed, sealed, and delivered the same as his voluntary act and deed for the uses and processing in the contents of the uses and processing in the contents thereof, and the signed of the uses and processing in the contents thereof.					Gregory W. Johns	
BE IT REMEMBERED, That on this day of, 2010, before me, a ublic, personally appeared Gregory W. Johnson, who I am satisfied is the person named in and who execoregoing instrument in my presence, and I having first made known to him the contents thereof, cknowledge that he signed, sealed, and delivered the same as his voluntary act and deed for the uses and processing in the contents thereof, and the signed of the uses and process are contents.	TATE OF	Ohio)		
ublic, personally appeared <u>Gregory W. Johnson</u> , who I am satisfied is the person named in and who execoregoing instrument in my presence, and I having first made known to him the contents thereof, cknowledge that he signed, sealed, and delivered the same as his voluntary act and deed for the uses and p	OUNTY OF))	SS.	
pregoing instrument in my presence, and I having first made known to him the contents thereof, cknowledge that he signed, sealed, and delivered the same as his voluntary act and deed for the uses and p	BE IT REM	EMBERED, That	t on this _		day of	, 2010, before me, a Nota
	regoing instrument	in my presence	e, and I h	aving fir	est made known to h	nim the contents thereof, he
	eknowiedge mat ne i ierein expressed.					
Notary Public	herein expressed.			•		

Attorney Docket Number: END6652USNP3/090290 Serial No. 12/797,305 Page 7 of 7

IN TESTIMONY W 2010.	HEREOF, Assignor has he	ereunto set his hand and seal th	is day of,	
		Paul Guerra	(L.S.)	
STATE OF)		
COUNTY OF) ss.)		
Public, personally a foregoing instrumer	ppeared <u>Paul Guerra</u> , wat in my presence, and I	who I am satisfied is the person I having first made known	, 2010, before me, a Noson named in and who executed to him the contents thereof, he act and deed for the uses and purp	d the
		·		
		Notary Public		

ASSIGNMENT

Serial No.	12/797,305	
Filed: June	9, 2010	

WHEREAS, 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; Mary E. Mootoo, a citizen of the United States, residing at 4701 Sycamore Road, Cincinnati, Ohio 45236; Jeffrey S. Swayze, a citizen of the United States, residing at 7047 Birchley Drive, Hamilton, Ohio 45011; Foster B. Stulen, a citizen of the United States, residing at 6245 Bridgewater Court, Mason, Ohio 45040; Prasanna Malaviya, a citizen of the United States, residing at 5860 Maxfli Lane, Mason, Ohio 45040; Gregory W. Johnson, a citizen of the United States, residing at 907 Center Street, Milford, Ohio 45150; Paul Guerra, a citizen of the United States, residing at 16500 Bonnie Lane, Los Gatos, California 95032; (hereinafter called "Assignors"), have made certain new and useful inventions or discoveries relating to:

ELECTROSURGICAL INSTRUMENT EMPLOYING A PLURALITY OF 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-2385506 v1 0243605-00025

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, 20			(L.S.)
		Timothy G. D	
STATE OF	Ohio)) ss.	
COUNTY OF)	
Public, personally ar foregoing instrumen	ppeared <u>Timothy G. Dietz</u> , t in my presence, and I	who I am satisfied is the p having first made known	, 2010, before me, a Notar erson named in and who executed the to him the contents thereof, he die act and deed for the uses and purpose
		Notary Public	
IN TESTIMONY WI 2010.	HEREOF, Assignor has here	unto set his hand and seal th	is, day of,
		Zhifan F. Hua	ng (L.S.)
STATE OF	Ohio) .	
COUNTY OF	*****) ss.)	
Public, personally ap foregoing instrument	peared Zhifan F. Huang, to in my presence, and I l	who I am satisfied is the penaving first made known	, 2010, before me, a Notary erson 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: END6652USNP3/090290

Serial No. 12/797,305 Page 3 of 7

			(L.S.)
		David A. Witt	
STATE OF	<u>Ohio</u>)	
COUNTY OF) ss.)	
Public, personally appropriate foregoing instrumen	ppeared <u>David A. Witt</u> , who I in my presence, and I havi	am satisfied is the pers ng first made known to	, 2010, before me, a Notary on named in and who executed the him the contents thereof, he did et and deed for the uses and purpose
		Notary Public	
IN TESTIMONY WI 2010.	HEREOF, Assignor has hereunto	set his hand and seal this	day of,
		Jeffrey L. Aldri	dge (L.S.)
STATE OF	Ohio)	
COUNTY OF) ss.)	
Public, personally ap- foregoing instrument	peared <u>Jeffrey L. Aldridge</u> , what in my presence, and I havin	o I am satisfied is the per ag first made known to	, 2010, before me, a Notary rson named in and who executed the him the contents thereof, he did and deed for the uses and purposes
		Notary Public	· · · · · · · · · · · · · · · · · · ·

Attorney Docket Number: END6652USNP3/090290 Serial No. 12/797,305 Page 4 of 7

, 20	10.		(L.S.)
		Raymond M. Ban	
STATE OF)) ss.	
COUNTY OF)	
Public, personally ap foregoing instrumen	peared <u>Raymond M. Banks</u> , w t in my presence, and I hav	tho I am satisfied is the personing first made known to h	, 2010, before me, a Notary on named in and who executed the im the contents thereof, he did and deed for the uses and purposes
•		· .	
		Notary Public	
			•
IN TESTIMONY WI 2010.	HEREOF, Assignor has hereunte	o set his hand and seal this	day of,
		Mary E. Mootoo	(L.S.)
STATE OF	Ohio)	
COUNTY OF) ss.)	
Public, personally ap foregoing instrument	peared Mary E. Mootoo, who in my presence, and I have	I am satisfied is the personing first made known to h	, 2010, before me, a Notary named in and who executed the im the contents thereof, he did not deed for the uses and purposes
		Notary Public	

Attorney Docket Number: END6652USNP3/090290 Serial No. 12/797,305 Page 5 of 7

•			Y-66 C. C	(L.S.)
			Jeffrey S. Swayze	
STATE OF	Ohio)		•
)	SS.	
COUNTY OF)		
BE IT REA	MEMBERED. That on this		day of	, 2010, before me, a Nota
				named in and who executed t
				m the contents thereof, he
acknowledge that he	signed, sealed, and deliver	ed the same a	s his voluntary act a	nd deed for the uses and purpos
therein expressed.			•	· •
			Notary Public	
			Notary Public	
	HEREOF, Assignor has her	eunto set his l	hand and seal this	day of
IN TESTIMONY WI		eunto set his l	hand and seal this	•
		eunto set his l		day of (L.S.)
		eunto set his l	Foster B. Stulen	•
, 20	10.	eunto set his l		•
, 20		eunto set his l	Foster B. Stulen	•
, 20	10.	eunto set his l		•
, 20	10.	eunto set his l	Foster B. Stulen	•
STATE OF	Ohio)	Foster B. Stulen	(L.S.)
TATE OF COUNTY OF BE IT REM	Ohio ———————————————————————————————————))) d	Foster B. Stulen ss. ay of	(L.S.)
STATE OF COUNTY OF BE IT REM Public, personally ap	Ohio EMBERED, That on this peared Foster B. Stulen,))) d who I am sa	Foster B. Stulen ss. ay of	(L.S.), 2010, before me, a Nota
STATE OF COUNTY OF BE IT REM Public, personally ap Foregoing instrument tacknowledge that he	Ohio EMBERED, That on this peared Foster B. Stulen, t in my presence, and I))) who I am sa having first	Foster B. Stulen ss. ay of tisfied is the person made known to hi	(L.S.)
STATE OF COUNTY OF BE IT REM Public, personally ap Foregoing instrument tacknowledge that he	Ohio EMBERED, That on this peared Foster B. Stulen, t in my presence, and I))) who I am sa having first	Foster B. Stulen ss. ay of tisfied is the person made known to hi	(L.S.), 2010, before me, a Nota named in and who executed to m the contents thereof, he defined the contents thereof.
STATE OF COUNTY OF BE IT REM Public, personally ap foregoing instrument	Ohio EMBERED, That on this peared Foster B. Stulen, t in my presence, and I))) who I am sa having first	Foster B. Stulen ss. ay of tisfied is the person made known to hi	(L.S.), 2010, before me, a Nota named in and who executed to m the contents thereof, he defined the contents thereof.
STATE OF COUNTY OF BE IT REM Public, personally ap foregoing instrument acknowledge that he	Ohio EMBERED, That on this peared Foster B. Stulen, t in my presence, and I))) who I am sa having first	Foster B. Stulen ss. ay of tisfied is the person made known to hi	(L.S.), 2010, before me, a Nota named in and who executed to m the contents thereof, he defined the contents thereof.

Attorney Docket Number: END6652USNP3/090290 Serial No. 12/797,305 Page 6 of 7

2010.	HEREOF, Assignor has hereu			
				(L.S.)
			Prasanna Malaviya	
STATE OF	Ohio)	SS.	
COUNTY OF		ý		
Public, personally ap foregoing instrumen	peared <u>Prasanna Malaviya</u> , t in my presence, and I h	who I an aving fin	n satisfied is the person st made known to hir	, 2010, before me, a Notary named in and who executed the n the contents thereof, he did deed for the uses and purposes
			Notary Public	
IN TESTIMONY WI	HEREOF, Assignor has hereu 10.	nto set hi	is hand and seal this	day of(L.S.)
			Gregory W. Johnson	n
STATE OF	Ohio)	SS.	
COUNTY OF)		
Public, personally appropries foregoing instrument	peared <u>Gregory W. Johnson</u> t in my presence, and I ha	, who I a aving fir	m satisfied is the person st made known to him	, 2010, before me, a Notary named in and who executed the n the contents thereof, he did d deed for the uses and purposes
			Notary Public	

Attorney Docket Number: END6652USNP3/090290 Serial No. 12/797,305 Page 7 of 7

IN TESTIMONY WH 2010.	EREOF, Assignor has hereunto set	his hand and seal th	is 14th day of September
		Paul Guerra	(L.S.)
STATE OF	the second secon		
COUNTY OF	<u> </u>	SS.	
Public, personally appropriate foregoing instrument acknowledge that he significant in the significant in th	peared Paul Guerra, who I am in my presence, and I having	satisfied is the per first made known	, 2010, before me, a Notary son named in and who executed the to him the contents thereof, he did act and deed for the uses and purposes
therein expressed.	<i>></i>	Sca at	Caphod cardilloato. (UN)
		Notary Public	

PATENT

REEL: 024997 FRAME: 0489

County of Santa Clara				
On Sept-14->010 before	me; <u> </u>	tae R Choi - Notary Here Insert Name and Title of the Officer	ablic	
personally appeared		ul Gyessa		
•		Name(s) of Signer(s)		
_ MARINE AND				
	t d	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 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.		
HAE R. CI Commission # Notary Public - Santa Clara C My Comm. Expires	HOI I I 1875766 California County	certify under PENALTY OF PERJI aws of the State of California that paragraph is true and correct.	JRY under the	
		NITNESS my hand and official seal.	L	
Place Notary Seal Above	OPTIO	VAL Signature of Notary Pu	blic	
Though the information below is not and could prevent fraudu	t required by law, lent removal and	it may prove valuable to persons relying on the reattachment of this form to another document and the countries.	ne document nt.	
Description of Attached Docum	ient			
Title or Type of Document: Ass	<u>ighment</u>		careary-holylylyl-manuschingshirmshirmshirmshirmshirmshirmshirmshirm	
Document Date:	3.	Number of Pages:	7	
Signer(s) Other Than Named Above:				
Capacity(ies) Claimed by Signe		26.00 A. 20.00		
Signer's Name: Paul Gue Corporate Officer — Title(s):				
	RIGHT THUMBPRINT			
The second secon	OF SIGNER Top of thumb here	☐ Partner — ☐ Limited ☐ General	OF SIGNER Top of thumb here	
☐ Attorney in Fact	vop or sessual 1999	☐ Attorney in Fact	. Op or which the g	
☐ Trustee		□Trustee		
☐ Guardian or Conservator		☐ Guardian or Conservator		
Other:		Other:		
Signer Is Representing:		Signer Is Representing:	:	

RECORDED: 09/16/2010