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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KEVIN L. HOUSER	05/18/2007
ANDREW M. ZWOLINSKI	05/18/2007
TRACY D. LOPES	05/17/2007
PRASANNA MALAVIYA	05/16/2007
DANIEL W. PRICE	05/18/2007
LOUIS T. DELUCA	05/19/2007

RECEIVING PARTY DATA

Name:	ETHICON ENDO-SURGERY, INC.
Street Address:	4545 CREEK ROAD
City:	CINCINNATI
State/Country:	OHIO
Postal Code:	45242

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14525459

CORRESPONDENCE DATA

Fax Number: (412)355-6501

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: (412) 355-8690

Email: piuspatents@klgates.com **Correspondent Name:** RAGAE M. GHABRIAL Address Line 1: 210 SIXTH AVENUE Address Line 2: **K&L GATES CENTER**

Address Line 4: PITTSBURGH, PENNSYLVANIA 15222-2613

ATTORNEY DOCKET NUMBER:	END6050USCNT1/060877CON1
NAME OF SUBMITTER:	RAGAE M. GHABRIAL
SIGNATURE:	/Ragae M. Ghabrial/
DATE SIGNED:	01/09/2015

Total Attachments: 8 source=Assignment#page1.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

ASSIGNMENT

Serial No. <u>11/726,620</u> Filed: March 22, 2007

WHEREAS, Kevin L. Houser citizen of the United States, residing at 570 Foliage Lane, Springboro, Ohio 45066; Andrew M. Zwolinski, citizen of United States, residing at 453 Stanley Avenue, Cincinnati, Ohio 45226; Tracy D. Lopes, citizen of the United States, residing at 4705 Medallion Way, Mason, Ohio 45040; Prasanna Malaviya, a citizen of India, residing at 5860 Maxfli Lane, Mason, Ohio 45040; Daniel W. Price, a citizen of the United States, residing at 185 Overlook Drive, Loveland, Ohio 45140; and Louis T. DeLuca, citizen of United States, residing at 2612 Halsey Drive, Flower Mound, Texas 75028 (hereinafter called "Assignors"), have made certain new and useful inventions or discoveries relating to:

SURGICAL INSTRUMENTS

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-1759382 v1 0237980-0179

IN TESTIMONY WHERE 2007.	OF, Assignor has hereur	nto set his h	and and seal this	/8 da	y of MAY,
			Tun-Z. Kevin L. House	Houn	<u>_(L.S.)</u>
STATE OF	Ohio	}			
COUNTY OF	Ham. Hon	j .	SS.		
Public, personally appeare foregoing instrument in a acknowledge that he signed therein expressed. LINDA	d <u>Kevin L. Houser</u> , w my presence, and I ha	tho I am sate wing first the same as	tisfied is the pérs made known to	on named in him the co	ontents thereof, he did
IN TESTIMONY WHERE May 2007.	on Expires 07-11-08	nto set his h	and and seal this Andrew M. Zwo		
STATE OF	Ohio)	ss.		
COUNTY OF	Hamilton)			
BE IT REMEMB Public, personally appeared foregoing instrument in a acknowledge that he signed therein expressed.	ERED, That on this/ ! <u>Andrew M. Zwolinski</u> ny presence, and I ha	da j, who I am wing first	satisfied is the per made known to	rson named : him the co	ontents thereof, he did
Notary	INDA F. HANSEN PUBLIC, STATE OF OHIO mission Expires 07-11-08	:	Lenda Notary Public	J. 8	Harren

IN TESTIMONY WHERE 1907.	EOF, Assignor has here	unto set his	La	d seal this _/	7 day o	of (L.S.)
STATE OF	Ohio .)				
COUNTY OF	Hamilton)	SS.			
BE IT REMEME Public, personally appeare foregoing instrument in acknowledge that he signe therein expressed.	my presence, and I h	ho I am s aving firs	atisfied i st made	s the person i known to hir	named in and in the conter	i who executed the ats thereof, he did
NOTA My C	LINDA F. HANSEN ARY PUBLIC, STATE OF C Commission Expires 07-11)HIO 1-08	Notary	ula - Public	J. No	MUN
IN TESTIMONY WHERE	EOF, Assignor has here	unto set his		d seal this/		
STATE OF	Ohio)	SS.			
COUNTY OF	Hamilton	, ,		0.0		
BE IT REMEMB Public, personally appeare foregoing instrument in a acknowledge that he signed therein expressed.	my presence, and I h	, who I am naving firs	satisfied t made	lis the person known to hir	named in an n the conter	d who executed the its thereof, he did
			Be Notary	rule F	L. Na	Wer

LINDA F. HANSEN NOTARY PUBLIC, STATE OF OHIO My Commission Expires 07-11-08

IN TESTIMONY WI	HEREOF, Assignor has hereunto 07.	set his hand and seal this 18th day of
ŕ		Daniel W. Price (L.S.)
foregoing instrumen acknowledge that he therein expressed. LIN NOTARY PI	f in my presence, and I have) ss.) 3 m day of May, 2007, before me, a Notary I am satisfied is the person named in and who executed the ng first made known to him the contents thereof, he did a same as his voluntary act and deed for the uses and purposes August J. Hanna Notary Public
IN TESTIMONY WI		set his hand and seal this day of
		Louis T. DeLuca
STATE OF	Texas)) ss.
COUNTY OF	-)
Public, personally ap foregoing instrumen	peared Louis T. DeLuca, who t in my presence, and I havin	day of, 2007, before me, a Notary I am satisfied is the person named in and who executed the ng first made known to him the contents thereof, he did a same as his voluntary act and deed for the uses and purposes
		Notary Public

ASSIGNMENT

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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;

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PJ-1759382 v1 0237980-0179

IN TESTIMONY W 2007.	HEREOF, Assignor has hereu	into set hi	s hand and seal this	day of
				(L.S.)
			Kevin L. Houser	
STATE OF	<u>Ohio</u>)	SS.	
COUNTY OF	<u> </u>)		
Public, personally ap foregoing instrumen	opeared <u>Kevin L. Houser</u> , v	vho I am aving fir	satisfied is the person at made known to h	, 2007, before me, a Notary n named in and who executed the nim the contents thereof, he did and deed for the uses and purposes
			Notary Public	
			·	
	HEREOF, Assignor has here	unto set h	is hand and seal this _	day of
, 20	707.			(L.S.)
			Andrew M. Zwoli	inski
STATE OF	Ohio)		
COUNTY OF)	SS.	
Public, personally ap foregoing instrumen	peared <u>Andrew M. Zwolinsk</u> it in my presence, and I h	<u>ii,</u> who I : aving fir	am satisfied is the pers st made known to b	, 2007, before me, a Notary on named in and who executed the tim the contents thereof, he did and deed for the uses and purposes
			Notary Public	

			(L.S.)
		Tracy D. Lop	es
STATE OF	Ohio)) ss.	
COUNTY OF	and the second s	j	
Public, personally a foregoing instrumer	ppeared <u>Tracy D. Lopes</u> , at in my presence, and I	who I am satisfied is the pe having first made known	2007, before me, a Notan erson named in and who executed the to him the contents thereof, he di act and deed for the uses and purpose
		Notary Public	
IN TESTIMONY W		reunto set his hand and seal th	is day of
		Prasanna Ma	daviya (L.S.)
STATE OF	Ohio)) ss.	
	Ohio)) ss.)	
Public, personally ap foregoing instrumer	TEMBERED, That on this opeared Prasanna Malavi tin my presence, and l	day of day of va, who I am satisfied is the p having first made known	, 2007, before me, a Nota person named in and who executed the to him the contents thereof, he d act and deed for the uses and purpos

IN TESTIMONY WH	IEREOF, Assignor has her)7.	eunto set l	his hand and seal th	isda	ay of
			Daniel W. Pri	ce	(L.S.)
			The manufacture of the second		
STATE OF	Ohio)	SS.		
COUNTY OF		5	35.		
Public, personally appropriate foregoing instrument	EMBERED, That on this peared <u>Daniel W. Price</u> , in my presence, and I signed, scaled, and deliver	who I am having fi	satisfied is the pe irst made known	rson named in to him the cor	and who executed the atents thereof, he did
			Notary Public		***************************************
IN TESTIMONY WH	EREOF, Assignor has her 7.	eunto set h	his hand and seal this Louis T. DeLi	- Ostu	y of (L.S.)
STATE OF	<u>Texas</u>)			
COUNTY OF	DENTON)	SS.		
foregoing instrument	EMBERED, That on this peared Louis T. DeLuca, in my presence, and I igned, sealed, and delivered	having fr	rst made known t	o him the con	itents thereof, he did
	ERIC R. DIAZ Notary Public, State of Texe My Commission Expires November 07, 2010	s	Enic Notary Public	R. Du	az

RECORDED: 01/09/2015