

<b>PATENT ASSIGNMENT COVER SHEET</b>
--------------------------------------

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3176249

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
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
<b>RECEIVING PARTY DATA</b>	
<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
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14525459
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(412)355-6501
<i>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.</i>	
<b>Phone:</b>	(412) 355-8690
<b>Email:</b>	piuspatents@klgates.com
<b>Correspondent Name:</b>	RAGAE M. GHABRIAL
<b>Address Line 1:</b>	210 SIXTH AVENUE
<b>Address Line 2:</b>	K&L GATES CENTER
<b>Address Line 4:</b>	PITTSBURGH, PENNSYLVANIA 15222-2613
<b>ATTORNEY DOCKET NUMBER:</b>	END6050USCNT1/060877CON1
<b>NAME OF SUBMITTER:</b>	RAGAE M. GHABRIAL
<b>SIGNATURE:</b>	/Ragae M. Ghabrial/
<b>DATE SIGNED:</b>	01/09/2015

**Total Attachments: 8**

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

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

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

WHEREAS, **Kevin L. Houser** citizen of the United States, residing at 570 Foliage Lane, Springboro, Ohio 45066; **Andrew M. Zwollinski**, 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:

## S U R G I C A L I N S T R U M E N T S

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 18<sup>th</sup> day of MAY, 2007.

Kevin L. Houser (L.S.)  
Kevin L. Houser

STATE OF Ohio )  
COUNTY OF Hamilton ) ss.

BE IT REMEMBERED, That on this 18<sup>th</sup> day of May, 2007, before me, a Notary Public, personally appeared Kevin L. Houser, 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.

Linda F. Hansen  
Notary Public

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

IN TESTIMONY WHEREOF, Assignor has hereunto set his hand and seal this 18<sup>th</sup> day of May, 2007.

Andrew M. Zwolinski (L.S.)  
Andrew M. Zwolinski

STATE OF Ohio )  
COUNTY OF Hamilton ) ss.

BE IT REMEMBERED, That on this 18<sup>th</sup> day of May, 2007, before me, a Notary Public, personally appeared Andrew M. Zwolinski, 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.

Linda F. Hansen  
Notary Public

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

IN TESTIMONY WHEREOF, Assignor has hereunto set his hand and seal this 17 day of May, 2007.

Tracy D. Lopes (L.S.)  
Tracy D. Lopes

STATE OF Ohio )  
COUNTY OF Hamilton ) ss.

BE IT REMEMBERED, That on this 17 day of May, 2007, before me, a Notary Public, personally appeared Tracy D. Lopes, 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.

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

Linda F. Hansen  
Notary Public

IN TESTIMONY WHEREOF, Assignor has hereunto set his hand and seal this 16 day of May, 2007.

Prasanna Malaviya (L.S.)  
Prasanna Malaviya

STATE OF Ohio )  
COUNTY OF Hamilton ) ss.

BE IT REMEMBERED, That on this 16 day of May, 2007, before me, a Notary Public, personally appeared Prasanna Malaviya, 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.

Linda F. Hansen  
Notary Public

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

IN TESTIMONY WHEREOF, Assignor has hereunto set his hand and seal this 18<sup>th</sup> day of May, 2007.

Daniel W. Price (L.S.)  
Daniel W. Price

STATE OF Ohio )  
COUNTY OF Hamilton ) ss.

BE IT REMEMBERED, That on this 18<sup>th</sup> day of May, 2007, before me, a Notary Public, personally appeared Daniel W. Price, 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.

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

Linda F. Hansen  
Notary Public

IN TESTIMONY WHEREOF, Assignor has hereunto set his hand and seal this \_\_\_\_\_ day of \_\_\_\_\_, 2007.

\_\_\_\_\_  
Louis T. DeLuca (L.S.)

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

BE IT REMEMBERED, That on this \_\_\_\_\_ day of \_\_\_\_\_, 2007, before me, a Notary Public, personally appeared Louis T. DeLuca, who I am satisfied is the person named in and who executed the foregoing instrument in my presence, and I having first made known to him the contents thereof, he did acknowledge that he signed, sealed, and delivered the same as his voluntary act and deed for the uses and purposes therein expressed.

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

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

Serial No. 11/726,620Filed: 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:

## S U R G I C A L   I N S T R U M E N T S

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 \_\_\_\_\_, 2007.

\_\_\_\_\_  
**Kevin L. Houser** (L.S.)

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

ss.

BE IT REMEMBERED, That on this \_\_\_\_\_ day of \_\_\_\_\_, 2007, before me, a Notary Public, personally appeared **Kevin L. Houser**, 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 \_\_\_\_\_, 2007.

\_\_\_\_\_  
**Andrew M. Zwolinski** (L.S.)

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

ss.

BE IT REMEMBERED, That on this \_\_\_\_\_ day of \_\_\_\_\_, 2007, before me, a Notary Public, personally appeared **Andrew M. Zwolinski**, 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 \_\_\_\_\_, 2007.

\_\_\_\_\_  
**Tracy D. Lopes** (L.S.)

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

BE IT REMEMBERED, That on this \_\_\_\_\_ day of \_\_\_\_\_, 2007, before me, a Notary Public, personally appeared **Tracy D. Lopes**, 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 \_\_\_\_\_, 2007.

\_\_\_\_\_  
**Prasanna Malaviya** (L.S.)

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

BE IT REMEMBERED, That on this \_\_\_\_\_ day of \_\_\_\_\_, 2007, before me, a Notary Public, personally appeared **Prasanna Malaviya**, 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 \_\_\_\_\_, 2007.

\_\_\_\_\_  
Daniel W. Price (L.S.)

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

BE IT REMEMBERED, That on this \_\_\_\_\_ day of \_\_\_\_\_, 2007, before me, a Notary Public, personally appeared **Daniel W. Price**, 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.

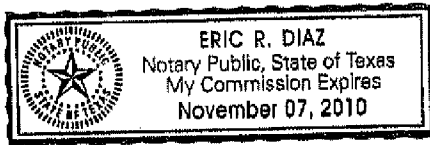
\_\_\_\_\_  
Notary Public

IN TESTIMONY WHEREOF, Assignor has hereunto set his hand and seal this 19 day of MAY, 2007.

Louis T. DeLuca (L.S.)  
Louis T. DeLuca

STATE OF Texas )  
 )  
COUNTY OF DENTON ) ss.

BE IT REMEMBERED, That on this 19TH day of MAY, 2007, before me, a Notary Public, personally appeared **Louis T. DeLuca**, 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.



Eric R. Diaz  
Notary Public