

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Foster B. Stulen</td> <td>07/24/2012</td> </tr> <tr> <td>Zhifan F. Huang</td> <td>08/07/2012</td> </tr> <tr> <td>Patrick A. Weizman</td> <td>08/02/2012</td> </tr> <tr> <td>Steven P. Smolik</td> <td>08/02/2012</td> </tr> <tr> <td>Carl J. Draginoff Jr.</td> <td>08/01/2012</td> </tr> </tbody> </table>		Name	Execution Date	Foster B. Stulen	07/24/2012	Zhifan F. Huang	08/07/2012	Patrick A. Weizman	08/02/2012	Steven P. Smolik	08/02/2012	Carl J. Draginoff Jr.	08/01/2012
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Steven P. Smolik	08/02/2012												
Carl J. Draginoff Jr.	08/01/2012												
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													
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13538700</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13538700								
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CORRESPONDENCE DATA													
Fax Number:	4123556501												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
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Email:	PIUSPATENTS@klgates.com												
Correspondent Name:	Christopher G. Wolfe												
Address Line 1:	210 Sixth Avenue												
Address Line 2:	K&L Gates Center												
Address Line 4:	Pittsburgh, PENNSYLVANIA 15222-2613												
ATTORNEY DOCKET NUMBER:	END7047USNP/110394												
NAME OF SUBMITTER:	Christopher G. Wolfe												

CH \$40.00 13538700

Total Attachments: 4

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ASSIGNMENT

Serial No. 13/538,700
Filed: June 29, 2012

WHEREAS, Foster B. Stulen, a citizen of the United States, residing at 6245 Bridgewater Court, Mason, Ohio 45040; Zhifan F. Huang, a citizen of the People's Republic of China, residing at 4378 Serpentine Way, Mason, Ohio 45040; Patrick A. Weizman, a citizen of the United States, residing at 6528 Michele Lane, Liberty Township, Ohio 45044; Steven P. Smolik, a citizen of the United States, residing at ~~6548 Ripplewood Lane, Cincinnati, Ohio 45230~~; and Carl J. Draginoff, Jr., a citizen of the United States, residing at 5915 Westfield Court, Mason, Ohio 45040; (hereinafter called "Assignors"), have made certain new and useful inventions or discoveries relating to:

United States *Jenny*
8/7/12

7588 Tepperwood
West Chester, OH
SPS
8-2-12 *45069*

SURGICAL INSTRUMENTS WITH ARTICULATING SHAFTS

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 24TH day of JULY, 2012.

Foster B. Stulen (L.S.)
Foster B. Stulen

STATE OF Ohio)
COUNTY OF Hamilton) ss.

BE IT REMEMBERED, That on this 24th day of July, 2012, before me, a Notary Public, personally appeared Foster B. Stulen, 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.



KARA N. TULANKO
NOTARY PUBLIC
STATE OF OHIO
Recorded in
Hamilton County
My Comm. Exp. 5/31/14

Kara N. Tulanko
Notary Public

IN TESTIMONY WHEREOF, Assignor has hereunto set his hand and seal this 7 day of August 2012.

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

STATE OF Ohio)
COUNTY OF Hamilton) ss.

BE IT REMEMBERED, That on this 7th day of August, 2012, 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 2nd day of August, 2012.

Patrick A. Weizman (L.S.)
Patrick A. Weizman

STATE OF Ohio)
COUNTY OF Hamilton) ss.

BE IT REMEMBERED, That on this 2nd day of August, 2012, before me, a Notary Public, personally appeared **Patrick A. Weizman**, 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.



KARA N. TULANKO
NOTARY PUBLIC
STATE OF OHIO
Recorded in
Hamilton County
My Comm. Exp. 5/31/14

Kara N. Tulanko
Notary Public

IN TESTIMONY WHEREOF, Assignor has hereunto set his hand and seal this 2nd day of August, 2012.

Steven P. Smolik (L.S.)
Steven P. Smolik

STATE OF Ohio)
COUNTY OF Hamilton) ss.

BE IT REMEMBERED, That on this 2nd day of August, 2012, before me, a Notary Public, personally appeared **Steven P. Smolik**, 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.



KARA N. TULANKO
NOTARY PUBLIC
STATE OF OHIO
Recorded in
Hamilton County
My Comm. Exp. 5/31/14

Kara N. Tulanko
Notary Public

IN TESTIMONY WHEREOF, Assignor has hereunto set his hand and seal this 1ST day of August, 2012.

Carl J. Draginoff, Jr. (L.S.)
Carl J. Draginoff, Jr.

STATE OF Ohio)
COUNTY OF Hamilton)

ss.

BE IT REMEMBERED, That on this 1ST day of August, 2012, before me, a Notary Public, personally appeared Carl J. Draginoff, Jr., 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.

Kara N. Tulanko
Notary Public



KARA N. TULANKO
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