

## PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT5001084

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MICHAEL CARDINALE	12/10/2015
DANIAL PAUL FERREIRA	12/10/2015
DOUG SOULS	12/09/2015
SIMON COHN	12/09/2015
JIANXIN GUO	12/09/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ETHICON, INC.
<b>Street Address:</b>	U.S. ROUTE 22
<b>Internal Address:</b>	P.O. BOX 151
<b>City:</b>	SOMERVILLE
<b>State/Country:</b>	NEW JERSEY
<b>Postal Code:</b>	08876
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16005171
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(908)325-1155
<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>	908-689-8700
<b>Email:</b>	mdoherty@dohertyiplaw.com
<b>Correspondent Name:</b>	DOHERTY IP LAW GROUP LLC
<b>Address Line 1:</b>	37 BELVIDERE AVENUE
<b>Address Line 4:</b>	WASHINGTON, NEW JERSEY 07882
<b>ATTORNEY DOCKET NUMBER:</b>	ETH5845USCNT1
<b>NAME OF SUBMITTER:</b>	MICHAEL J. DOHERTY
<b>SIGNATURE:</b>	/michael j. doherty/
<b>DATE SIGNED:</b>	06/11/2018
<b>Total Attachments: 4</b>	

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ASSIGNMENT

U.S. Patent Application Serial No.: 14/943,165  
Filed: November 17, 2015

WHEREAS, Michael Cardinale, a citizen of the United States, residing at 7C Dorado Drive, Morristown, New Jersey 07960;

Danial Paul Ferreira, a citizen of the United States, residing at 145 Zion Hill Road, Milford, CT 06461;

Doug Souls, a citizen of the United States, residing at 15 Park Terrace, Andover, NJ 07821;

Simon Cohn, a citizen of the United States, residing at 58 Brunswick Avenue, Lebanon, New Jersey 08833; and

Jianxin Guo, a citizen of the United States, residing at 17 Belmont Drive, Livingston, New Jersey 07039, (hereinafter called "Assignors"), have made certain new and useful inventions or discoveries relating to

APPLICATOR INSTRUMENTS FOR DISPENSING SURGICAL FASTENERS  
HAVING ARTICULATING SHAFTS AND ARTICULATION CONTROL ELEMENTS

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

WHEREAS, Ethicon, Inc., a corporation formed under the laws of the State of New Jersey, (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 the Assignment and sale had not been made;

And Assignors hereby authorize and requests 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 they have 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.

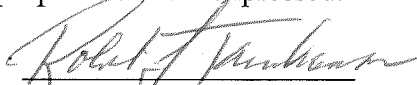
IN TESTIMONY WHEREOF, Assignor has hereunto set his hand and seal this 10<sup>th</sup> day of December, 2015.



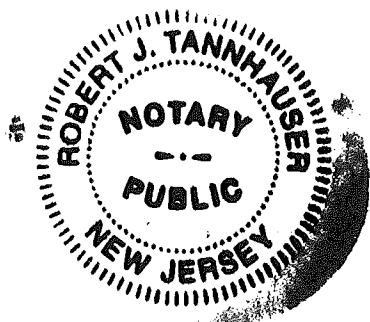
By: Michael Cardinale  
Title: Assignor

STATE OF NEW JERSEY  
COUNTY OF SOMERSET ) ss.

BE IT REMEMBERED, That on this 10<sup>th</sup> day of DECEMBER, 2015, before me, a Notary Public, personally appeared Michael Cardinale, 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

**ROBERT J. TANNHAUSER**  
**NOTARY PUBLIC**  
**STATE OF NEW JERSEY**  
**MY COMMISSION EXPIRES 10/18/2019**



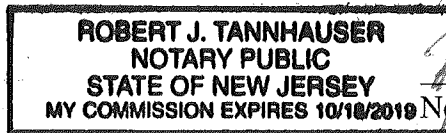
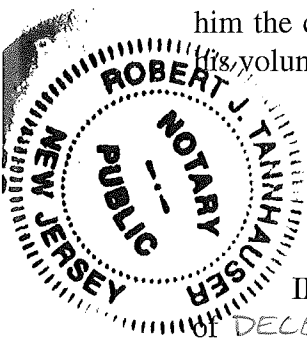
IN TESTIMONY WHEREOF, Assignor has hereunto set his hand and seal this 10 day of DECEMBER, 2015.

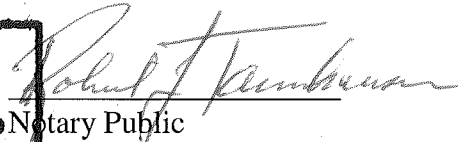


By: Danial Paul Ferreira  
Title: Assignor

STATE OF New Jersey )  
COUNTY OF SOMERSET ) ss.

BE IT REMEMBERED, That on this 10 day of DECEMBER, 2015, before me, a Notary Public, personally appeared Danial Paul Ferreira, 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

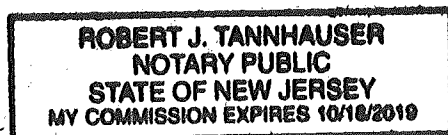
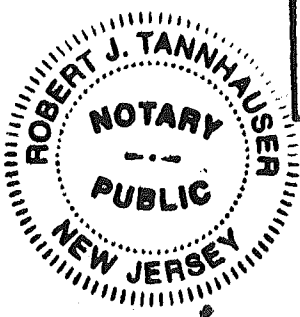
IN TESTIMONY WHEREOF, Assignor has hereunto set his hand and seal this 9<sup>th</sup> day of DECEMBER, 2015.

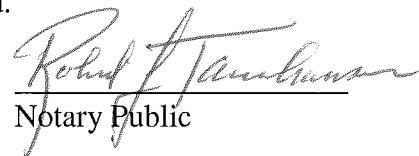


By: Doug Souls  
Title: Assignor

STATE OF New Jersey )  
COUNTY OF SOMERSET ) ss.

BE IT REMEMBERED, That on this 9<sup>th</sup> day of DECEMBER, 2015, before me, a Notary Public, personally appeared Doug Souls, 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

