

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

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>Anthony Miksza</td> <td>04/23/2013</td> </tr> <tr> <td>Robert Nering</td> <td>04/24/2013</td> </tr> <tr> <td>Simon Cohn</td> <td>05/06/2013</td> </tr> <tr> <td>Matthew D. Daniel</td> <td>04/24/2013</td> </tr> <tr> <td>Jeremy David Jarrett</td> <td>04/30/2013</td> </tr> </tbody> </table>		Name	Execution Date	Anthony Miksza	04/23/2013	Robert Nering	04/24/2013	Simon Cohn	05/06/2013	Matthew D. Daniel	04/24/2013	Jeremy David Jarrett	04/30/2013
Name	Execution Date												
Anthony Miksza	04/23/2013												
Robert Nering	04/24/2013												
Simon Cohn	05/06/2013												
Matthew D. Daniel	04/24/2013												
Jeremy David Jarrett	04/30/2013												
RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>Ethicon, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>P.O. Box 151</td> </tr> <tr> <td>Internal Address:</td> <td>U.S. Route 22</td> </tr> <tr> <td>City:</td> <td>Somerville</td> </tr> <tr> <td>State/Country:</td> <td>NEW JERSEY</td> </tr> <tr> <td>Postal Code:</td> <td>08876</td> </tr> </table>		Name:	Ethicon, Inc.	Street Address:	P.O. Box 151	Internal Address:	U.S. Route 22	City:	Somerville	State/Country:	NEW JERSEY	Postal Code:	08876
Name:	Ethicon, Inc.												
Street Address:	P.O. Box 151												
Internal Address:	U.S. Route 22												
City:	Somerville												
State/Country:	NEW JERSEY												
Postal Code:	08876												
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>13791950</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13791950								
Property Type	Number												
Application Number:	13791950												
CORRESPONDENCE DATA													
Fax Number: 9083251155 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 908-689-8700 Email: mdoherly@dohertyiplaw.com Correspondent Name: Doherty & Charney LLC Address Line 1: 37 Belvidere Avenue Address Line 4: Washington, NEW JERSEY 07882													
ATTORNEY DOCKET NUMBER:	ETH5434USCIP2												
NAME OF SUBMITTER:	Michael J. Doherty												

OP \$40.00 13791950

Signature:	/michael j. doherty/
Date:	05/08/2013
<p><b>Total Attachments: 15</b></p> <p>source=FiledAssignment#page1.tif source=FiledAssignment#page2.tif source=FiledAssignment#page3.tif source=FiledAssignment#page4.tif source=FiledAssignment#page5.tif source=FiledAssignment#page6.tif source=FiledAssignment#page7.tif source=FiledAssignment#page8.tif source=FiledAssignment#page9.tif source=FiledAssignment#page10.tif source=FiledAssignment#page11.tif source=FiledAssignment#page12.tif source=FiledAssignment#page13.tif source=FiledAssignment#page14.tif source=FiledAssignment#page15.tif</p>	

ASSIGNMENT

U.S. Patent Application Serial No.: 13/791,950

Filed: March 9, 2013

WHEREAS, Anthony Miksza, a citizen of the United States, residing at 2376 Keeler Road, Nazareth, Pennsylvania 18064;

Robert Nering, a citizen of the United States, residing at 24 Covered Bridge Road, Stockton, New Jersey 08559,

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

Matthew D. Daniel, a citizen of the United States, residing at 2013 Fair Street, Ann Arbor, Michigan 48103, and

Jeremy David Jarrett, a citizen of the United States, residing at 213 Harvey Court, Cincinnati, Ohio 45217, (hereinafter called "Assignors"), have made certain new and useful inventions or discoveries relating to

**SURGICAL FASTENERS HAVING ARTICULATING JOINTS  
AND DEFLECTABLE TIPS**

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 him moving, the receipt of which is hereby acknowledged, Assignors have sold, assigned, and transferred, and does 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;

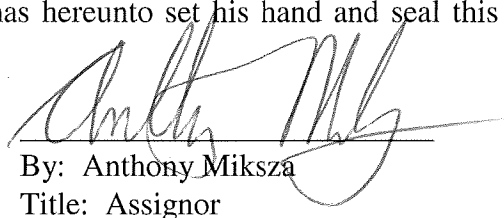
And Assignors hereby authorize and requests the Commissioner of Patents of the United States to issue said Letters Patent in accordance with this Assignment;

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;

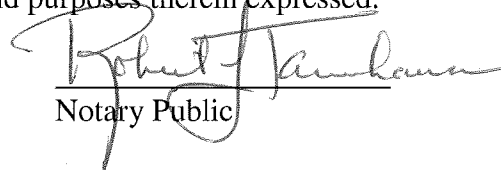
And for the consideration aforesaid, Assignors further covenant and agree that they will, whenever requested, but without cost to them promptly communicate to said Assignee or its representatives any facts known to them relating to said inventions and discoveries, testify in any interference or legal 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  
23 day of April, 2013

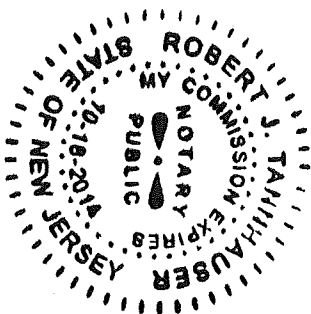
  
By: Anthony Miksza  
Title: Assignor

STATE OF NEW JERSEY )  
COUNTY OF SOMERSET ) ss.

BE IT REMEMBERED, That on this 23<sup>RD</sup> day of APRIL, 2013, before me, a Notary Public, personally appeared Anthony Miksza, 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 OF NEW JERSEY  
My Commission Expires 10/18/2014



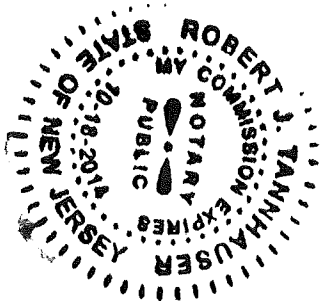
IN TESTIMONY WHEREOF, Assignor has hereunto set his hand and seal this 24 day of April, 2013.

Robert Nering  
By: Robert Nering  
Title: Assignor

STATE OF New Jersey  
COUNTY OF SOMERSET ) ss.

BE IT REMEMBERED, That on this 24<sup>th</sup> day of April, 2013, before me, a Notary Public, personally appeared Robert Nering, 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.

Robert J. Tannhauser  
Notary Public



ROBERT J. TANNHAUSER  
NOTARY PUBLIC OF NEW JERSEY  
My Commission Expires 10/18/2014

IN TESTIMONY WHEREOF, Assignor has hereunto set his hand and seal this 6<sup>th</sup> day of MAY, 2013.

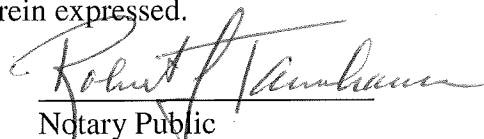
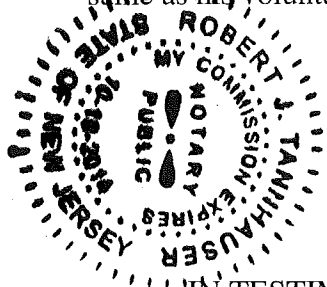


By: Simon Cohn

Title: Assignor

STATE OF NEW JERSEY )  
COUNTY OF SOMERSET ) ss.

BE IT REMEMBERED, That on this 6<sup>th</sup> day of May, 2013, before me, a Notary Public, personally appeared Simon Cohn, 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 OF NEW JERSEY**  
My Commission Expires 10/18/2014

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

By: Matthew David Daniel

Title: Assignor

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

BE IT REMEMBERED, That on this \_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, before me, a Notary Public, personally appeared Matthew David Daniel, 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 \_\_\_\_\_, \_\_\_\_.

By: Jeremy David Jarrett  
Title: Assignor

STATE OF \_\_\_\_\_ )  
 ) SS.  
COUNTY OF \_\_\_\_\_ )

BE IT REMEMBERED, That on this \_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, before me, a Notary Public, personally appeared Jeremy David Jarrett, 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

ASSIGNMENT

U.S. Patent Application Serial No.: 13/791,950

Filed: March 9, 2013

WHEREAS, Anthony Miksza, a citizen of the United States, residing at 2376 Keeler Road, Nazareth, Pennsylvania 18064;

Robert Nering, a citizen of the United States, residing at 24 Covered Bridge Road, Stockton, New Jersey 08559,

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

Matthew D. Daniel, a citizen of the United States, residing at 2013 Fair Street, Ann Arbor, Michigan 48103, and

Jeremy David Jarrett, a citizen of the United States, residing at 213 Harvey Court, Cincinnati, Ohio 45217, (hereinafter called "Assignors"), have made certain new and useful inventions or discoveries relating to

SURGICAL FASTENERS HAVING ARTICULATING JOINTS  
AND DEFLECTABLE TIPS

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 him moving, the receipt of which is hereby acknowledged, Assignors have sold, assigned, and transferred, and does 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  
\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_.

\_\_\_\_\_  
By: Anthony Miksza  
Title: Assignor

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

BE IT REMEMBERED, That on this \_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, before me, a Notary Public, personally appeared Anthony Miksza, 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 \_\_\_\_\_, \_\_\_\_\_.

\_\_\_\_\_  
By: Robert Nering  
Title: Assignor

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

BE IT REMEMBERED, That on this \_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_,  
before me, a Notary Public, personally appeared Robert Nering, 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 \_\_\_\_\_, \_\_\_\_.

By: Simon Cohn  
Title: Assignor

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

BE IT REMEMBERED, That on this \_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, before me, a Notary Public, personally appeared Simon Cohn, 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 24<sup>th</sup> day of April, 2013.

By: Matthew David Daniel  
Title: Assignor

STATE OF Michigan )  
COUNTY OF Washtenaw ) SS.

BE IT REMEMBERED, That on this 24<sup>th</sup> day of April, 2013, before me, a Notary Public, personally appeared Matthew David Daniel, 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.

Poonam Talwar  
Notary Public

Commission Expires 21<sup>st</sup> July 2017

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

By: Jeremy David Jarrett  
Title: Assignor

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

BE IT REMEMBERED, That on this \_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, before me, a Notary Public, personally appeared Jeremy David Jarrett, 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

ASSIGNMENT

U.S. Patent Application Serial No.: 13/791,950

Filed: March 9, 2013

WHEREAS, Anthony Miksza, a citizen of the United States, residing at 2376 Keeler Road, Nazareth, Pennsylvania 18064;

Robert Nering, a citizen of the United States, residing at 24 Covered Bridge Road, Stockton, New Jersey 08559,

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

Matthew D. Daniel, a citizen of the United States, residing at 2013 Fair Street, Ann Arbor, Michigan 48103, and

Jeremy David Jarrett, a citizen of the United States, residing at 213 Harvey Court, Cincinnati, Ohio 45217, (hereinafter called "Assignors"), have made certain new and useful inventions or discoveries relating to

SURGICAL FASTENERS HAVING ARTICULATING JOINTS  
AND DEFLECTABLE TIPS

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 him moving, the receipt of which is hereby acknowledged, Assignors have sold, assigned, and transferred, and does 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 \_\_\_\_\_ day of \_\_\_\_\_.

\_\_\_\_\_  
By: Anthony Miksza  
Title: Assignor

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

BE IT REMEMBERED, That on this \_\_\_\_\_ day of \_\_\_\_\_, before me, a Notary Public, personally appeared Anthony Miksza, 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 \_\_\_\_\_.

\_\_\_\_\_  
By: Robert Nering  
Title: Assignor

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

BE IT REMEMBERED, That on this \_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_  
before me, a Notary Public, personally appeared Robert Nering, 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 \_\_\_\_\_.

\_\_\_\_\_  
By: Simon Cohn  
Title: Assignor

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

BE IT REMEMBERED, That on this \_\_\_\_ day of \_\_\_\_\_,  
before me, a Notary Public, personally appeared Simon Cohn, 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 \_\_\_\_\_.

\_\_\_\_\_  
By: Matthew David Daniel  
Title: Assignor

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

BE IT REMEMBERED, That on this \_\_\_\_ day of \_\_\_\_\_,  
before me, a Notary Public, personally appeared Matthew David Daniel, 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

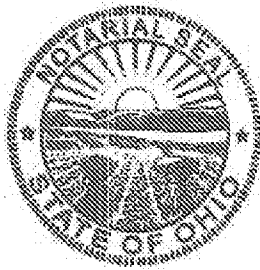


IN TESTIMONY WHEREOF, Assignor has hereunto set his hand and seal this 30 day of April, 2013.

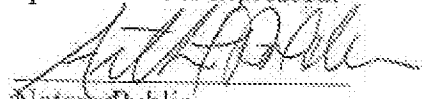
  
By: Jeremy David Jarrett  
Title: Assignor

STATE OF Ohio )  
COUNTY OF Hamilton ) ss.

BE IT REMEMBERED, That on this 30 day of April, 2013, before me, a Notary Public, personally appeared Jeremy David Jarrett, 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.



Arthur T. Polder  
Notary Public, State of Ohio  
My Commission Expires 12-13-2017

  
Notary Public