

## PATENT ASSIGNMENT

Electronic Version v1.1  
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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>Frank J. Birch</td> <td>05/21/2013</td> </tr> <tr> <td>Carlos V. Costa</td> <td>05/21/2013</td> </tr> <tr> <td>Gary P. Szechy</td> <td>05/21/2013</td> </tr> </tbody> </table>		Name	Execution Date	Frank J. Birch	05/21/2013	Carlos V. Costa	05/21/2013	Gary P. Szechy	05/21/2013		
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Frank J. Birch	05/21/2013										
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Gary P. Szechy	05/21/2013										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Mueller International, LLC</td> </tr> <tr> <td>Street Address:</td> <td>1200 Abernathy Road, Suite 1200</td> </tr> <tr> <td>City:</td> <td>Atlanta</td> </tr> <tr> <td>State/Country:</td> <td>GEORGIA</td> </tr> <tr> <td>Postal Code:</td> <td>30328</td> </tr> </table>		Name:	Mueller International, LLC	Street Address:	1200 Abernathy Road, Suite 1200	City:	Atlanta	State/Country:	GEORGIA	Postal Code:	30328
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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>13895945</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13895945						
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Application Number:	13895945										
CORRESPONDENCE DATA											
<p>Fax Number: 7704347376  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 770-434-6868        Email: tjames@taylorenghish.com        Correspondent Name: Jeffrey R. Kuester        Address Line 1: 1600 Parkwood Circle, Suite 400        Address Line 4: Atlanta, GEORGIA 30339</p>											
ATTORNEY DOCKET NUMBER:	191372-1410										
NAME OF SUBMITTER:	Jeffrey R. Kuester										
Signature:	/jrk/										
Date:	06/05/2013										

OP \$40.00 13895945

**Total Attachments: 6**

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## PATENT ASSIGNMENT

WHEREAS, I, Frank J. Birch, a citizen of the United States of America residing at 34 Roberta Avenue, Pawtucket, RI 02860, in the United States of America, have invented certain inventions and improvements disclosed in the Patent Application for United States Patent entitled **NON-CONDUCTIVE ROLLER ASSEMBLY**, filed in the United States Patent and Trademark Office on May 16, 2013, bearing Serial No. 13/895,945, and listing as inventor(s): **Frank J. Birch, Carlos V. Costa and Gary P. Szechy**;

WHEREAS, **Mueller International, LLC**, a Corporation of the State of **Delaware**, having its principal place of business at **1200 Abernathy Road, Suite 1200, Atlanta, Georgia 30328** is desirous of acquiring an interest in the same;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, Frank J. Birch, by these presents do sell, assign and transfer unto Mueller International, LLC, the full, exclusive and entire right, title and interest: (i) in and to all inventions and improvements disclosed and described in said application, (ii) in and to said application, (iii) in and to any divisional, continuation, and continuation-in-part applications describing in whole or in part said inventions and improvements, preparatory to obtaining Patents of the United States therefore, (iv) in and to any reissues of the aforementioned, (v) in and to any provisional patent applications filed in the United States describing in whole or in part the said inventions and improvements, from which priority may be claimed under Title 35 of the United States Code, and (vi) in and to the right to claim any applicable foreign and domestic priority rights arising from such provisional patent applications; I also hereby acknowledge that an obligation for this assignment and for the assignment of all related subject matter arose before the making of the invention and improvements disclosed and described in said application; and I hereby request the Commissioner of Patents to issue any and all Patents of the United States resulting from said application, or from a division, continuation, continuation-in-part, or reissue thereof, to Mueller International, LLC as Assignee, for his interest and for his sole use and behoof of his assigns and legal representatives;

For the same consideration, I, by these presence do sell, assign and transfer to Mueller International, LLC the full, exclusive and entire right, title and interest in and to any foreign application or applications corresponding to said application, in whole or in part, in countries other than the United States, in and to any Patents and similar protective rights granted on said foreign application, and in and to the right to claim any applicable priority rights arising from or required for said foreign application under the terms of any applicable conventions, treaties, statutes, or regulations; said foreign applications to be filed and issued in the name of Mueller International, LLC and or his respective designees, insofar as permitted by applicable law;

AND, for the same consideration, I agree to sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and other applications, make all assignments and rightful oaths, and generally do everything possible to aid Mueller International, LLC and his successors, assigns, and nominees to obtain and enforce proper protection for all said inventions and improvements in all countries throughout the world.

May 21, 2013  
Date

Frank J. Birch  
Frank J. Birch

STATE OF RI

COUNTY OF Washington

Before me, a Notary Public in and for the State of RI, on this 21<sup>st</sup> day of May, 2013 personally appeared Frank J. Birch, who being duly sworn, signed and acknowledged the foregoing Assignment as his free act and deed.

Christine M. DiLullo  
NOTARY PUBLIC

My Commission Expires: 12/17/16

## PATENT ASSIGNMENT

WHEREAS, I, Carlos V. Costa, a citizen of the United States of America residing at 10 Loire Street, Somerset, MA 02726, in the United States of America, have invented certain inventions and improvements disclosed in the Patent Application for United States Patent entitled **NON-CONDUCTIVE ROLLER ASSEMBLY**, filed in the United States Patent and Trademark Office on May 16, 2013, bearing Serial No. 13/895,945, and listing as inventor(s): **Frank J. Birch, Carlos V. Costa and Gary P. Szechy**;

WHEREAS, **Mueller International, LLC**, a Corporation of the State of Delaware, having its principal place of business at **1200 Abernathy Road, Suite 1200, Atlanta, Georgia 30328** is desirous of acquiring an interest in the same;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, Carlos V. Costa, by these presents do sell, assign and transfer unto Mueller International, LLC, the full, exclusive and entire right, title and interest: (i) in and to all inventions and improvements disclosed and described in said application, (ii) in and to said application, (iii) in and to any divisional, continuation, and continuation-in-part applications describing in whole or in part said inventions and improvements, preparatory to obtaining Patents of the United States therefore, (iv) in and to any reissues of the aforementioned, (v) in and to any provisional patent applications filed in the United States describing in whole or in part the said inventions and improvements, from which priority may be claimed under Title 35 of the United States Code, and (vi) in and to the right to claim any applicable foreign and domestic priority rights arising from such provisional patent applications; I also hereby acknowledge that an obligation for this assignment and for the assignment of all related subject matter arose before the making of the invention and improvements disclosed and described in said application; and I hereby request the Commissioner of Patents to issue any and all Patents of the United States resulting from said application, or from a division, continuation, continuation-in-part, or reissue thereof, to Mueller International, LLC as Assignee, for his interest and for his sole use and behoof of his assigns and legal representatives;

For the same consideration, I, by these presence do sell, assign and transfer to Mueller International, LLC the full, exclusive and entire right, title and interest in and to any foreign application or applications corresponding to said application, in whole or in part, in countries other than the United States, in and to any Patents and similar protective rights granted on said foreign application, and in and to the right to claim any applicable priority rights arising from or required for said foreign application under the terms of any applicable conventions, treaties, statutes, or regulations; said foreign applications to be filed and issued in the name of Mueller International, LLC and or his respective designees, insofar as permitted by applicable law;

AND, for the same consideration, I agree to sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and other applications, make all assignments and rightful oaths, and generally do everything possible to aid Mueller International, LLC and his successors, assigns, and nominees to obtain and enforce proper protection for all said inventions and improvements in all countries throughout the world.

May 21, 2013  
Date

Carlos V. Costa  
Carlos V. Costa

STATE OF RI

COUNTY OF Washington

Before me, a Notary Public in and for the State of RI, on this 21<sup>st</sup> day of May, 2013 personally appeared Carlos V. Costa, who being duly sworn, signed and acknowledged the foregoing Assignment as his free act and deed.

Christina M DiLullo  
NOTARY PUBLIC

My Commission Expires: 12/17/16

## PATENT ASSIGNMENT

WHEREAS, I, Gary P. Szechy, a citizen of the United States of America residing at 6188 Castle Drive, North Royalton, OH 44133, in the United States of America, have invented certain inventions and improvements disclosed in the Patent Application for United States Patent entitled **NON-CONDUCTIVE ROLLER ASSEMBLY**, filed in the United States Patent and Trademark Office on May 16, 2013, bearing Serial No. 13/895,945, and listing as inventor(s): **Frank J. Birch, Carlos V. Costa and Gary P. Szechy**;

WHEREAS, **Mueller International, LLC**, a Corporation of the State of **Delaware**, having its principal place of business at **1200 Abernathy Road, Suite 1200, Atlanta, Georgia 30328** is desirous of acquiring an interest in the same;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, Gary P. Szechy, by these presents do sell, assign and transfer unto Mueller International, LLC, the full, exclusive and entire right, title and interest: (i) in and to all inventions and improvements disclosed and described in said application, (ii) in and to said application, (iii) in and to any divisional, continuation, and continuation-in-part applications describing in whole or in part said inventions and improvements, preparatory to obtaining Patents of the United States therefore, (iv) in and to any reissues of the aforementioned, (v) in and to any provisional patent applications filed in the United States describing in whole or in part the said inventions and improvements, from which priority may be claimed under Title 35 of the United States Code, and (vi) in and to the right to claim any applicable foreign and domestic priority rights arising from such provisional patent applications; I also hereby acknowledge that an obligation for this assignment and for the assignment of all related subject matter arose before the making of the invention and improvements disclosed and described in said application; and I hereby request the Commissioner of Patents to issue any and all Patents of the United States resulting from said application, or from a division, continuation, continuation-in-part, or reissue thereof, to Mueller International, LLC as Assignee, for his interest and for his sole use and behoof of his assigns and legal representatives;

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PATENT

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For the same consideration, I, by these presence do sell, assign and transfer to Mueller International, LLC the full, exclusive and entire right, title and interest in and to any foreign application or applications corresponding to said application, in whole or in part, in countries other than the United States, in and to any Patents and similar protective rights granted on said foreign application, and in and to the right to claim any applicable priority rights arising from or required for said foreign application under the terms of any applicable conventions, treaties, statutes, or regulations; said foreign applications to be filed and issued in the name of Mueller International, LLC and or his respective designees, insofar as permitted by applicable law;

AND, for the same consideration, I agree to sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and other applications, make all assignments and rightful oaths, and generally do everything possible to aid Mueller International, LLC and his successors, assigns, and nominees to obtain and enforce proper protection for all said inventions and improvements in all countries throughout the world.

5/21/13  
Date

Gary P. Szechy  
Gary P. Szechy

STATE OF Ohio COUNTY OF Cuyahoga

Before me, a Notary Public in and for the State of Ohio, on this 21 day of May, 2013, personally appeared Gary P. Szechy, who being duly sworn, signed and acknowledged the foregoing Assignment as his free act and deed.



KRISTY WHITTAKER  
Notary Public, State of Ohio  
My Commission Expires  
December 19, 2015

[Signature]  
NOTARY PUBLIC

My Commission Expires: Dec 19, 2015