

## 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>George B. Goodwin</td> <td>05/02/2013</td> </tr> <tr> <td>Michael J. Buchanan</td> <td>05/02/2013</td> </tr> </tbody> </table>		Name	Execution Date	George B. Goodwin	05/02/2013	Michael J. Buchanan	05/02/2013
Name	Execution Date						
George B. Goodwin	05/02/2013						
Michael J. Buchanan	05/02/2013						
RECEIVING PARTY DATA							
Name:	PPG Industries Ohio, Inc.						
Street Address:	3800 West 143rd Street						
City:	Cleveland						
State/Country:	OHIO						
Postal Code:	44111						
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>13623915</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13623915		
Property Type	Number						
Application Number:	13623915						
CORRESPONDENCE DATA							
Fax Number:	4124344292						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
Phone:	412-434-4645						
Email:	sadams@ppg.com						
Correspondent Name:	Andrew C. Siminerio						
Address Line 1:	One PPG Place						
Address Line 4:	Pittsburgh, PENNSYLVANIA 15272						
ATTORNEY DOCKET NUMBER:	10007449A1GC						
NAME OF SUBMITTER:	Andrew C. Siminerio						
Signature:	/Andrew C. Siminerio/						
Date:	05/07/2013						
Total Attachments: 3 source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif							

CH \$40.00 13623915

**ASSIGNMENT**

IN CONSIDERATION of good and valuable considerations received from PPG INDUSTRIES OHIO, INC., a corporation of Delaware, having a place of business at Cleveland, Ohio, and intending to be legally bound hereby, we,

<u>NAME</u>	<u>CITY</u>	<u>COUNTY</u>	<u>STATE/COUNTRY</u>
George B. Goodwin	Cranberry Township	Butler	Pennsylvania
Michael J. Buchanan	Cranberry Township	Butler	Pennsylvania

do hereby sell, assign and set over unto PPG INDUSTRIES OHIO, INC., the entire right, title and interest in and to our invention of improvements in

**TRIPLE-GLAZED INSULATING UNIT WITH IMPROVED EDGE INSULATION**

as set forth in our application for Letters Patent of the United States of America, executed by

George B. Goodwin, on the 2<sup>nd</sup> day of May, 2013; and  
 Michael J. Buchanan, on the 2<sup>nd</sup> day of May, 2013;

in and for the United States and all foreign countries, the same to be held and enjoyed by PPG INDUSTRIES OHIO, INC., its successors, assigns, or legal representatives, to the full ends of the terms for which all Letters Patent therefor may be granted, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

AND WE HEREBY AUTHORIZE PPG INDUSTRIES OHIO, INC., to make application for and to receive Letters Patent for said invention in any or all foreign countries in its own name, or in any name, at its election.

AND WE HEREBY COVENANT AND AGREE that we will execute or procure any further necessary assurance of the title to said invention and Letters Patent; and that we will at any time, upon the request and at the expense of PPG INDUSTRIES OHIO, INC., execute and deliver any and all papers that may be necessary or desirable to perfect the title to said invention or any Letters Patent which may be granted therefor, in PPG INDUSTRIES OHIO, INC., its successors, assigns, or other legal representatives, and that we will, at any time, upon the request and at the expense of PPG INDUSTRIES OHIO, INC., testify in any legal proceeding, sign all lawful papers, execute any additional, divisional, continuing or reissue applications for patents for said invention, or any part or parts thereof, make all

rightful oaths and generally do all lawful acts to aid PPG INDUSTRIES OHIO, INC., its successors, assigns, or other legal representatives to obtain and enforce patent protection on said invention in all countries, without further compensation, but at the expense of PPG INDUSTRIES OHIO, INC., its successors, assigns, or other legal representatives.

AND WE HEREBY AUTHORIZE AND REQUEST the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States for said invention, or resulting from said application, or from any division, reissue, or extension thereof, to PPG INDUSTRIES OHIO, INC., as sole assignee.

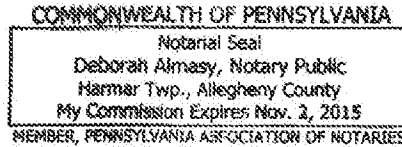
IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals.

GEORGE B. GOODWIN

STATE OF *Pennsylvania* )  
County of *Allegheny* ) SS

On this 2<sup>nd</sup> day of May, 2013 appeared before me in person the above GEORGE B. GOODWIN, and acknowledged the above to be his/her signature, and that s/he signed, sealed and delivered the above instrument as his/her voluntary act and deed and for the purposes herein set forth.

Notary Public



  
MICHAEL J. BUCHANAN

STATE OF *Pennsylvania* )  
County of *Allegheny* ) SS

On this 2<sup>nd</sup> day of May, 2013 appeared before me in person the above MICHAEL J. BUCHANAN, and acknowledged the above to be his/her signature, and that s/he signed, sealed and delivered the above instrument as his/her voluntary act and deed and for the purposes herein set forth.

  
Notary Public

COMMONWEALTH OF PENNSYLVANIA  
Notarial Seal  
Deborah Almasy, Notary Public  
Hammer Twp., Allegheny County  
My Commission Expires Nov. 2, 2015  
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES