

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4768684

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
HONG LI	02/20/2013
JAMES C. WATSON	02/20/2013
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	PPG INDUSTRIES OHIO, INC.
<b>Street Address:</b>	3800 WEST 143RD STREET
<b>City:</b>	CLEVELAND
<b>State/Country:</b>	OHIO
<b>Postal Code:</b>	44111
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15263010
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(336)607-7500
<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>	(336) 607-7300
<b>Email:</b>	catanderson@kilpatricktownsend.com
<b>Correspondent Name:</b>	CHARLES W. CALKINS
<b>Address Line 1:</b>	1001 WEST FOURTH STREET
<b>Address Line 4:</b>	WINSTON-SALEM, NORTH CAROLINA 27101
<b>ATTORNEY DOCKET NUMBER:</b>	032961-1023811
<b>NAME OF SUBMITTER:</b>	CATHERINE A. ANDERSON
<b>SIGNATURE:</b>	/Catherine A. Anderson/
<b>DATE SIGNED:</b>	01/10/2018
<b>Total Attachments: 3</b>	
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## 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, **HONG LI** of Sewickley, Pennsylvania, and **JAMES C. WATSON** of Lake Wylie, South Carolina, 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

### **GLASS COMPOSITIONS AND FIBERS MADE THEREFROM**

which is found in United States Patent Application Serial No. 13/756,603, filed on February 1, 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.

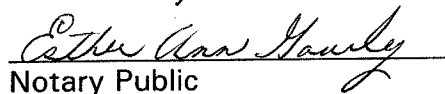
AND WE HEREBY AUTHORIZE AND REQUEST the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States for said invention, or resulting from said application, or from any division, reissue, or extension thereof, to PPG INDUSTRIES OHIO, INC., as sole assignee.

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



HONG LI

SWORN TO AND SUBSCRIBED TO  
BEFORE ME this 20 day of  
February, 2013.

  
Notary Public

COMMONWEALTH OF PENNSYLVANIA

Notarial Seal

Esther Ann Gourley, Notary Public

Harmar Twp., Allegheny County

My Commission Expires Dec. 28, 2013

Member, Pennsylvania Association of Notaries

JAMES C. WATSON

SWORN TO AND SUBSCRIBED TO  
BEFORE ME this \_\_\_\_ day of  
\_\_\_\_\_, 2013.

\_\_\_\_\_  
Notary Public

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.

\_\_\_\_\_  
HONG LI

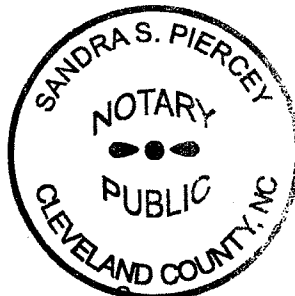
SWORN TO AND SUBSCRIBED TO  
BEFORE ME this \_\_\_\_ day of  
\_\_\_\_\_, 2013.

\_\_\_\_\_  
Notary Public

*[Signature]*  
\_\_\_\_\_  
JAMES C. WATSON

SWORN TO AND SUBSCRIBED TO  
BEFORE ME this 20<sup>th</sup> day of  
February, 2013.

*[Signature]*  
\_\_\_\_\_  
Notary Public



*my commission expires: May 22, 2016*

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