

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Hong Li	11/14/2011
Cheryl A. Richards	11/07/2011
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	
Property Type	Number
Application Number:	13229012
CORRESPONDENCE DATA	
Fax Number:	(336)607-7500
Phone:	336/607-7427
Email:	lsmith@kilpatricktownsend.com
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
Correspondent Name:	Jason Link - Kilpatrick Townsend
Address Line 1:	1001 West Fourth Street
Address Line 4:	Winston-Salem, NORTH CAROLINA 27101
ATTORNEY DOCKET NUMBER:	32961/416475
NAME OF SUBMITTER:	Laura J. Smith
Total Attachments: 4 source=Assignment416475#page1.tif source=Assignment416475#page2.tif source=Assignment416475#page3.tif source=Assignment416475#page4.tif	

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PATENT
REEL: 027234 FRAME: 0544

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 **CHERYL A. RICHARDS** of Monroeville, 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

LOW DIELECTRIC GLASS AND FIBER GLASS

which is found in United States Patent Application Serial No. 13/229,012, filed on September 9, 2011, 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.

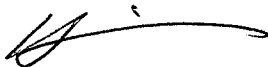
AND WE HEREBY AUTHORIZE PPG INDUSTRIES OHIO, INC., to make application for and to receive Letters Patent for said invention in any or all foreign countries in its own name, or in any name, at its election.

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 11th day of
November, 2011

Notary Public

CHERYL A. RICHARDS

SWORN TO AND SUBSCRIBED TO
BEFORE ME this ____ day of
_____, 2011

Notary Public

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 **CHERYL A. RICHARDS** of Monroeville, 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

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which is found in United States Patent Application Serial No. 13/229,012, filed on September 9, 2011, 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 ____ day of
_____, 2011

Notary Public

Cheryl A. Richards Nov. 7, 2011
CHERYL A. RICHARDS

SWORN TO AND SUBSCRIBED TO
BEFORE ME this 7 day of
November, 2011

Beverly L. Weston
Notary Public

COMMONWEALTH OF PENNSYLVANIA

