## PATENT ASSIGNMENT

### Electronic Version v1.1
Stylesheet Version v1.1

### SUBMISSION TYPE:
NEW ASSIGNMENT

### NATURE OF CONVEYANCE:
ASSIGNMENT

### CONVEYING PARTY DATA

<table>
<thead>
<tr>
<th>Name</th>
<th>Execution Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brian C. Okerberg</td>
<td>03/14/2013</td>
</tr>
<tr>
<td>Richard M. Vargas</td>
<td>03/14/2013</td>
</tr>
<tr>
<td>Randall J. Brent</td>
<td>03/14/2013</td>
</tr>
<tr>
<td>John F. McIntyre</td>
<td>03/14/2013</td>
</tr>
<tr>
<td>Mark W. McMillen</td>
<td>03/14/2013</td>
</tr>
<tr>
<td>Nathan J. Silvermail</td>
<td>03/14/2013</td>
</tr>
</tbody>
</table>

### 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>
<thead>
<tr>
<th>Property Type</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application Number</td>
<td>13832057</td>
</tr>
</tbody>
</table>

### CORRESPONDENCE DATA

- **Fax Number:** 4124344292
- **Phone:** 4124342918
- **Email:** schreck@ppg.com
- **Correspondent Name:** PPG Industries, Inc.
- **Address Line 1:** One PPG Place - 39th Floor
- **Address Line 2:** Intellectual Property Law Department
- **Address Line 4:** Pittsburgh, PENNSYLVANIA 15272

### ATTORNEY DOCKET NUMBER:
11008165A1
<table>
<thead>
<tr>
<th>NAME OF SUBMITTER:</th>
<th>Diane R. Meyers</th>
</tr>
</thead>
</table>

Total Attachments: 7
- source=11008165A1_Assignment#page1.tif
- source=11008165A1_Assignment#page2.tif
- source=11008165A1_Assignment#page3.tif
- source=11008165A1_Assignment#page4.tif
- source=11008165A1_Assignment#page5.tif
- source=11008165A1_Assignment#page6.tif
- source=11008165A1_Assignment#page7.tif
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,

<table>
<thead>
<tr>
<th>NAME</th>
<th>CITY</th>
<th>COUNTY</th>
<th>STATE / COUNTRY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brian C. Okerberg</td>
<td>Gibsonia</td>
<td>Allegheny</td>
<td>Pennsylvania / USA</td>
</tr>
<tr>
<td>Richard M. Vargas</td>
<td>Mayfield Village</td>
<td>Cuyahoga</td>
<td>Ohio / USA</td>
</tr>
<tr>
<td>Randall J. Brent</td>
<td>Solon</td>
<td>Cuyahoga</td>
<td>Ohio / USA</td>
</tr>
<tr>
<td>John F. McIntyre</td>
<td>Bay Village</td>
<td>Cuyahoga</td>
<td>Ohio / USA</td>
</tr>
<tr>
<td>Mark W. McMillen</td>
<td>Cabot</td>
<td>Butler</td>
<td>Pennsylvania / USA</td>
</tr>
<tr>
<td>Nathan J. Silvernail</td>
<td>Allison Park</td>
<td>Allegheny</td>
<td>Pennsylvania / USA</td>
</tr>
</tbody>
</table>

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

METHOD FOR PREPARING AND TREATING A STEEL SUBSTRATE

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

Brian C. Okerberg, on the 14th day of March, 2013
Richard M. Vargas, on the ______ day of __________________________, 2013
Randall J. Brent, on the ______ day of __________________________, 2013
John F. McIntyre, on the ______ day of __________________________, 2013
Mark W. McMillen, on the 14th day of March, 2013
Nathan J. Silvernail, on the 14th day of March, 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.

[Signature]
Brian C. Okerberg

On this 14th day of MARCH, 2013, appeared before me in person the above, Brian C. Okerberg and acknowledged the above to be his signature, and that he signed, sealed and delivered the above instrument as his voluntary act and deed and for the purposes herein set forth.

[Signature]
Mary Ann Woodrow
Notary Public

COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Mary Ann Woodrow, Notary Public
Hampton Twp., Allegheny County
My Commission Expires June 11, 2013
Member, Pennsylvania Association of Notaries
On this 14th day of March, 2013, appeared before me in person the above, Richard M. Vargas and acknowledged the above to be his signature, and that he signed, sealed and delivered the above instrument as his voluntary act and deed and for the purposes herein set forth.

Kimberly F. Bronson
Notary Public
On this 14th day of March, 2013, appeared before me in person the above, Randall J. Brent and acknowledged the above to be his signature, and that he signed, sealed and delivered the above instrument as his voluntary act and deed and for the purposes herein set forth.

Kimberly F. Brunn
Notary Public
On this 14th day of March, 2013, appeared before me in person the above, John F. McIntyre and acknowledged the above to be his signature, and that he signed, sealed and delivered the above instrument as his voluntary act and deed and for the purposes herein set forth.

John F. McIntyre

[Signature]

Kimberly F. Bronson
Notary Public
On this 14th day of MARCH, 2013, appeared before me in person the above, Mark W. McMillen and acknowledged the above to be his signature, and that he signed, sealed and delivered the above instrument as his voluntary act and deed and for the purposes herein set forth.

Mary Ann Woodrow
Notary Public

COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Mary Ann Woodrow, Notary Public
Hampton Twp., Allegheny County
My Commission Expires June 11, 2013
Member, Pennsylvania Association of Notaries
On this 14th day of March, 2013, appeared before me in person the above, Nathan J. Silvernail and acknowledged the above to be his signature, and that he signed, sealed and delivered the above instrument as his voluntary act and deed and for the purposes herein set forth.

Mary Ann Woodrow
Notary Public

COMMONWEALTH OF PENNSYLVANIA

Notarial Seal
Mary Ann Woodrow, Notary Public
Hampton Twp., Allegheny County
My Commission Expires June 11, 2013
Member: Pennsylvania Association of Notaries