

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>Krishna K. Uprety</td> <td>03/15/2013</td> </tr> <tr> <td>Alexander Bimanand</td> <td>03/15/2013</td> </tr> <tr> <td>Khushroo H. Lakdawala</td> <td>03/15/2013</td> </tr> </tbody> </table>		Name	Execution Date	Krishna K. Uprety	03/15/2013	Alexander Bimanand	03/15/2013	Khushroo H. Lakdawala	03/15/2013
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Krishna K. Uprety	03/15/2013								
Alexander Bimanand	03/15/2013								
Khushroo H. Lakdawala	03/15/2013								
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>13843421</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13843421				
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Application Number:	13843421								
CORRESPONDENCE DATA									
Fax Number:	6265778800								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	(626) 795-9900								
Email:	pto@cph.com								
Correspondent Name:	Christie, Parker & Hale, LLP								
Address Line 1:	Post Office Box 29001								
Address Line 4:	Glendale, CALIFORNIA 91209-9001								
ATTORNEY DOCKET NUMBER:	72321/P833 - CM/JOE/SMV								
NAME OF SUBMITTER:	Constantine Marantidis								
Total Attachments: 3 source=72321_Assign_031513#page1.tif source=72321_Assign_031513#page2.tif source=72321_Assign_031513#page3.tif									

OP \$40.00 13843421

ASSIGNMENT

WHEREAS, WE, KRISHNA K. UPRETY, ALEXANDER BIMANAND, AND KHUSHROO H. LAKDAWALA, residing at 28953 Mirada Circulo, Valencia, California 91354; 232 East Cedar Ave., Burbank, California 91502; and 16316 West Fairbanks Court, Santa Clarita, California 91387, respectively, have invented certain new and useful improvements disclosed in an application for United States Letters Patent entitled **STACK INCLUDING HEATER LAYER AND DRAIN LAYER**, and executed by us on even date herewith

AND WHEREAS PPG INDUSTRIES OHIO, INC., a Delaware corporation, having a place of business at 3800 West 143rd Street, Cleveland, Ohio 44111 (hereafter, together with any successors, legal representatives or assigns thereof, called "ASSIGNEE") wants to acquire the entire right, title and interest in and to said improvements and application.

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned, transferred and set over, and do hereby sell, assign, transfer and set over to ASSIGNEE the entire right, title and interest in and to said improvements, and said application and all divisions and continuations thereof, and all United States Letters Patents which may be granted thereon and all reissues, reexaminations and extensions thereof, including the right to sue or otherwise bring action and to collect and receive damages therefrom, for past infringement thereof, and all priority rights under all available International Agreements, Treaties and Conventions for the protection of intellectual property in its various forms in every participating country, and all applications for patents (including related rights such as utility-model registrations, inventor's certificates, and the like) heretofore or hereafter filed for said improvements in any foreign countries, and all patents (including all continuations, divisions, extensions, renewals, substitutes, and reissues thereof) granted for said improvements in any foreign countries; and we hereby authorize and request the United States Commissioner of Patents and Trademarks, and any officials of foreign countries whose duty it is to issue patents on applications as aforesaid, to issue all patents for said improvements to ASSIGNEE in accordance with the terms of this Assignment;

AND WE HEREBY covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith;

AND WE HEREBY further covenant and agree that we will communicate to ASSIGNEE any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute and reissue applications, make all rightful oaths and generally do everything possible to aid ASSIGNEE to obtain and enforce proper patent protection for said improvements in all countries.

ASSIGNMENT
Docket No. 72321/P833

Joint

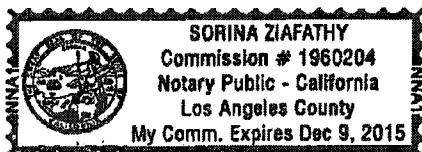
IN TESTIMONY WHEREOF, I hereunto set my hand this 15 day of March,
2013

K. K. Upreti
Krishna K. Upreti

STATE OF CALIFORNIA
COUNTY OF Los Angeles }

On March 15th, 2013 before me, Sorina Ziafathy,
Notary Public, personally appeared **Krishna K. Upreti**, who proved to me on the basis of
satisfactory evidence to be the person whose name is subscribed to the within instrument and
acknowledged to me that he executed the same in his authorized capacity, and that by his
signature on the instrument the person, or the entity upon behalf of which the person acted,
executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the
foregoing paragraph is true and correct.



WITNESS my hand and official seal.

[Signature]
Signature of Notary (Seal)

IN TESTIMONY WHEREOF, I hereunto set my hand this 15 day of March,
2013.

A. Bimanand
Alexander Bimanand

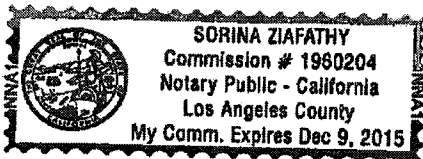
STATE OF CALIFORNIA
COUNTY OF Los Angeles }

On March 15th, 2013 before me, Sorina Ziafathy,
Notary Public, personally appeared **Alexander Bimanand**, who proved to me on the basis of
satisfactory evidence to be the person whose name is subscribed to the within instrument and
acknowledged to me that he executed the same in his authorized capacity, and that by his
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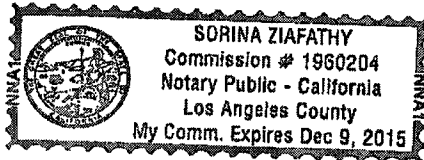


WITNESS my hand and official seal.

Signature of Notary

(Seal)

IN TESTIMONY WHEREOF, I hereunto set my hand this 15 day of March, 2013.



Khushroo H. Lakdawala

STATE OF CALIFORNIA
COUNTY OF Los Angeles

On March 15th, 2013 before me, Sorina Ziafathy, Notary Public, personally appeared Khushroo H. Lakdawala, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

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(Seal)

JOE/smv

JOE PAS1224148.1-*03/14/13 10:03 PM

