502853007 06/16/2014

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MICHAEL BUCHANAN	06/13/2014

RECEIVING PARTY DATA

Name:	PPG INDUSTRIES OHIO, INC.
Street Address:	3800 WEST 143RD STREET
City:	CLEVELAND
State/Country:	ОНЮ
Postal Code:	44111

PROPERTY NUMBERS Total: 2

Property Type	Number
Application Number:	14204049
Application Number:	61777228

CORRESPONDENCE DATA

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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.

Phone: 412-434-2884
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Correspondent Name: PPG INDUSTRIES INC
Address Line 1: ONE PPG PLACE

Address Line 2: INTELLECTUAL PROPERTY DEPARTMENT Address Line 4: PITTSBURGH, PENNSYLVANIA 15272

ATTORNEY DOCKET NUMBER:	11008032A1
NAME OF SUBMITTER:	ANDREW C. SIMINERIO
SIGNATURE:	/Andrew C. Siminerio, Reg. No. 30803/
DATE SIGNED:	06/16/2014

Total Attachments: 2

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PATENT 502853007 REEL: 033109 FRAME: 0841

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,

NAME
CITY
COUNTY
Michael 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

THERMOCHROMIC GLAZINGS

as set forth in our application for Letters Patent of the United States of America, U.S. Serial No. 14/204049, filed March 11, 2014, executed by

		and he			
Michael Buchanan,	on the	<i>/</i> da _'	y of	June	, 2014

this assignment also includes U.S. Provisional Patent Application Serial No. 61/777,228, filed March 12, 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

PATENT REEL: 033109 FRAME: 0842 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.

		MICHAEL BUG	CHANAN
STATE OF Pennsylvania } County of Allegheny	SS	·	
On thisday person the above Michael Buchanan, a he signed, sealed and delivered the ab	nd acknowled	dged the above to be	e his signature, and that
purposes herein set forth.			
Ashrafa Almasy Notary Public		OMMONWEALTH OF PENNS Notarial Seal Deborah Almasy, Notary P Harmar Twp., Allegheny Co	ublic

Notarial Seal Deborah Almasy, Notary Public Harmer Twp., Allegheny County My Commission Expires Nov. 2, 2015

MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES