Docket No.: 1797A1 01-23-2004 FORM PTO-1595 (Modified) U.S. DEPARTMENT OF COMMERC (Rev. 03-01) Patent and Trademark Offic OMB No. 0651-0027 (exp.5/31/2002) P08/REV03 102652571 Tab settings -To the Director of the United States Patent and Trademark Office: Please record the attached original documents or copy thereof. Name and address of receiving party(ies): Name of conveying party(ies): (1) Charlene S. Smith (2) George A. Pecoraro Name: PPG INDUSTRIES OHIO, INC. Internal Address: Additional names(s) of conveying party(ies) ☐ Yes ☒ No Nature of conveyance: Street Address: 3800 West 143rd Street Assignment Merger ☐ Change of Name ☐ Security Agreement City: Cleveland \_\_\_\_\_ State: OH ZIP: 44111 ☐ Other Execution Date: (1) January 7, 2004; (2) January 13, 2004 Additional name(s) & address(es) attached? 

Yes 

No Application number(s) or patent numbers(s): If this document is being filed together with a new application, the execution date of the application is: Jan. 7&13, 2004 A. Patent Application No.(s) B. Patent No.(s) 10/672,025 Additional numbers attached? ☐ Yes ☐ No 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: concerning document should be mailed: Name: PPG INDUSTRIES, INC. 7. Total fee (37 CFR 3.41):....\$ 40.00 Internal Address: Intellectual Property Dept. Enclosed - Any excess or insufficiency should be credited or debited to deposit account Authorized to be charged to deposit account 8. Deposit account number: Street Address: One PPG Place 16-2025 City: Pittsburgh State: PA ZIP: 15272 (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Jacques B. Miles

Signature

January 15, 2004

Name of Person Signing

Total number of pages including cover sheet, attachments, and document: 10672029 all documents to be recorded with required cover sheet information to: 01/22/2004 ECOOPER 00000168 162025

Date

01 FC:8021

40.00 DA

Mail Stop Assignment Recordation Services Director of the United States Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450

> PATENT REEL: 014900 FRAME: 0450

## **ASSIGNMENT**

IN CONSIDERATION of good and valuable considerations received from PPG INDUSTRIES OHIO, INC., a corporation of Delaware, having a place of business at Pittsburgh, Pennsylvania, and intending to be legally bound hereby, we, Charlene S. Smith of Lower Burrell, County of Westmoreland and Commonwealth of Pennsylvania and George A. Pecoraro of Lower Burrell, County of Westmoreland and Commonwealth of 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

## METHOD FOR MAKING FLOAT GLASS HAVING REDUCED DEFECT DENSITY

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

Charlene S. Smith on the 7 H day of January, 2004 and George A. Pecoraro on the 3th day of January, 2004,

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

- 1 -

PATENT REEL: 014900 FRAME: 0451 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.

COMMONWEALTH OF PENNSYLVANIA)

County of Allegheny

On this 7+4 day of Jauuavy, 2004, appeared before me in person the above Charlene S. Smith and acknowledged the above to be her signature, and that she signed, sealed and delivered the above instrument as her voluntary act and deed and for the purposes herein set forth.

Notary Public

Notarial Seal Kenneth V. Shoop, Notary Public Harmar Twp., Allegheny County My Commission Expires Feb. 16, 2006

Member, Pennsylvania Association of Notaries

COMMONWEALTH OF PENNSYLVANIA)

County of WESTMONEUNO

On this 13 14 day of January, 2004, appeared before me in person the above George A. Pecoraro 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 farth.

Notary Public

CHERYL PECK YAKOPEC, DISTRICT JUSTICE MAGISTERIAL DISTRICT 10-1-04 WESTMORELAND COUNTY, PA

MY COMMISSION EXPIRES 1ST MONDAY IN JANUARY 2006

RECORDED: 01/20/2004

2 -

PATENT REEL: 014900 FRAME: 0452