

04-20-2001

Docket No.: 1657A1



RECORDATION FORM COVER SHEET

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

PATENTS ONLY

101680939

FOR
PC

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

George A. Pecoraro
Larry J. Shelestak
Richard Markovic

MCD
4.2.01

2. Name and address of receiving party(ies):

Name: PPG INDUSTRIES OHIO, INC.

Internal Address:

Additional names(s) of conveying party(ies) Yes No

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other

Street Address: 3800 West 143rd Street

City: Cleveland State: OH ZIP: 44111

Execution Date: March 27, 2001

Additional name(s) & address(es) attached? Yes No

4. Application number(s) or registration numbers(s):

If this document is being filed together with a new application, the execution date of the application is: March 27, 2001

A. Patent Application No.(s)

09/780,887

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: PPG INDUSTRIES, INC.

Internal Address: Intellectual Property Dept.

Street Address: One PPG Place

City: Pittsburgh State: PA ZIP: 15272

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41):.....\$ 40.00

Enclosed - Any excess or insufficiency should be credited or debited to deposit account

Authorized to be charged to deposit account

8. Deposit account number:

16-2025

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.

Donald C. Lepiane

March 28, 2001

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and document: 4

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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, George A. Pecoraro of Lower Burrell, County of Westmoreland and Commonwealth of Pennsylvania; Larry J. Shelestak of Bairdford, County of Allegheny and Commonwealth of Pennsylvania; and Richard Markovic 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

METHODS OF ADJUSTING GLASS MELTING AND FORMING TEMPERATURES
WITHOUT SUBSTANTIALLY CHANGING BENDING AND ANNEALING
TEMPERATURES AND GLASS ARTICLES PRODUCED THEREBY

as set forth in our application for Letters Patent of the United States of America, executed by George A. Pecoraro on the 27th day of MARCH, 2001; Larry J. Shelestak on the 27th day of MARCH, 2001; and Richard Markovic on the 27th day of MARCH, 2001, 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.

George A. Pecoraro

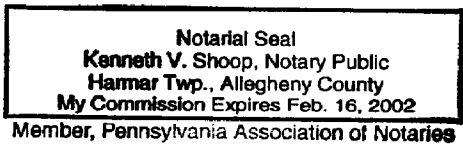
GEORGE A. PECORARO

COMMONWEALTH OF PENNSYLVANIA)) SS
County of Allegheny)

On this 27th day of March, 2001, 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 forth.

Kenneth V. Shoop

Notary Public



Larry J. Shelestak

LARRY J. SHELESTAK

COMMONWEALTH OF PENNSYLVANIA))
County of Allegheny) SS)

On this 27th day of March, 2001,
appeared before me in person the above Larry J. Shelestak 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.

Kenneth V. Shoop
Notary Public

Notarial Seal
Kenneth V. Shoop, Notary Public
Harmar Twp., Allegheny County
My Commission Expires Feb. 16, 2002
Member, Pennsylvania Association of Notaries

Richard Markovic
RICHARD MARKOVIC

COMMONWEALTH OF PENNSYLVANIA))
County of Allegheny) SS)

On this 27th day of March, 2001,
appeared before me in person the above Richard Markovic 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.

Kenneth V. Shoop
Notary Public

Notarial Seal
Kenneth V. Shoop, Notary Public
Harmar Twp., Allegheny County
My Commission Expires Feb. 16, 2002
Member, Pennsylvania Association of Notaries