Docket No.: 1641A1 FORM PTO-1595 (Modified) U.S. DEPARTMENT OF COMMERCE 03-01-2001 Patent and Trademark Office OMB No. 0651-0011 (exp.4/94) Copyright 1994-97 LegalStar P08/REV02 Tab settings → → 101624529 To the Honorable Commissioner of Patent. ached original documents or copy thereof. Name of conveying party(ies): 2. Name and address of receiving party(ies): (1) W. Jason Skeen, Steven M. Horcicak, Lawrence S. Letzkus, Irvin A. Wilson, Michael Zibert, DeWitt W. Name: PPG INDUSTRIES OHIO, INC. Lampman (2) Rudolph A. Karlo, Mark M. Savka Internal Address: ☐ Yes 🛛 No Additional names(s) of conveying party(ies) 3. Nature of conveyance: Street Address: 3800 West 143rd Street Merger ☐ Security Agreement Change of Name City: Cleveland \_\_\_ State: OH ZIP: 44111 ☐ Other Execution Date: (1) 12/19/00; (2) 1/4/01 Additional name(s) & address(es) attached? 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: 12/19/00 & 1/4/01 B. Patent No.(s) A. Patent Application No.(s) 09/706,466 X No 6. Total number of applications and patents involved: 5. Name and address of party to whom correspondence concerning document should be mailed: 7. Total fee (37 CFR 3.41):....\$ 40.00 Name: PPG INDUSTRIES, INC. Enclosed - Any excess or insufficiency should be Internal Address: Intellectual Property Dept. credited or debited to deposit account

Street Address: One PPG Place

8. Deposit account number:

16-2025

City: Pittsburgh

State: PA ZIP: 15272

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.

Kenneth J. Stachel

Name of Person Signing

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

7 Date

PATENT REEL: 011538 FRAME: 0717

Authorized to be charged to deposit account

## 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, W. Jason Skeen of Export, County of Westmoreland and Commonwealth of Pennsylvania; Rudolph A. Karlo of Creighton, County of Allegheny and Commonwealth of Pennsylvania; Steven M. Horcicak of Lower Burrell, County of Westmoreland and Commonwealth of Pennsylvania; Mark M. Savka of Sewickley, County of Beaver and Commonwealth of Pennsylvania; Lawrence S. Letzkus of Pittsburgh, County of Allegheny and Commonwealth of Pennsylvania; Irvin A. Wilson of Apollo, County of Westmoreland and Commonwealth of Pennsylvania; Michael Zibert of Saxonburg, County of Butler and Commonwealth of Pennsylvania and DeWitt W. Lampman of Gibsonia, County of Allegheny 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

## APPARATUS FOR THERMAL TREATMENT OF GLASS AND METHOD AND THERMALLY TREATED GLASS THEREFROM

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.
To James Stoen
W. JASON SKEEN
COMMONWEALTH OF PENNSYLVANIA)
) SS County of Allegheny )
On this $194h$ day of $1000$ , 2000,
appeared before me in person the above W. Jason Skeen 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.
Knneth & Floor  Notary Public
Notarial Seal Kenneth V. Shoop, Notary Public Harmar Twp., Allegheny County My Commission Expires Feb. 16, 2002 Member, Pennsylvania Association of Notaries  RUDOLPH A. KARLO
COMMONWEALTH OF PENNSYLVANIA)
County of Allegheny )
On this day of, 2001, appeared before me in person the above Rudolph A. Karlo 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.  Notary Public
Notarial Seal Kenneth V. Shoop, Notary Public Harmar Twp., Allegheny County My Commission Expires Feb. 16, 2002 Member, Pennsylvania Association of Notaries

STEVEN M HODGIGAN

STEVEN M. HORCICAK COMMONWEALTH OF PENNSYLVANIA) County of Allegheny On this  $19^{4k}$  day of 1appeared before me in person the above Steven M. Horcicak 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. Notary Public Notarial Seal Kenneth V. Shoop, Notary Public Harmar Twp., Allegheny County My Commission Expires Feb. 16, 2002 Member, Pennsylvania Association of Notaries MARK M. SAVKA COMMONWEALTH OF PENNSYLVANIA) County of Allegheny On this  $4^{+\mu}$  day of  $\sqrt{2}$ appeared before me in person the above Mark M. Savka 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. Notary Public

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

LAWRENCE S. LETZKUS

) SS
County of Allegheny )
On this 19TH day of December, 2000,
appeared before me in person the above Lawrence S. Letzkus 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.
Kunell USlevery  Notary Public
Notarial Seal Kenneth V. Shoop, Notary Public Harmar Twp., Allegheny County My Commission Expires Feb. 16, 2002 Member, Pennsylvania Association of Notaries  IRVIN A. WILSON
COMMONWEALTH OF PENNSYLVANIA) ) SS
County of Allegheny )
On this day of December, 2000, appeared before me in person the above Irvin A. Wilson 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.
Notary Public

Notarial Seal Kenneth V. Shoop, Notary Public Harmar Twp., Allegheny County My Commission Expires Feb. 16, 2002

Member, Pennsylvania Association of Notaries

Wichael west
MICHAEL ZIBERT
COMMONWEALTH OF PENNSYLVANIA) ) SS
County of Allegheny )
On this 19th day of December, 2000,
appeared before me in person the above Michael Zibert 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.
Motary Public
Notarial Seal Kenneth V. Shoop, Notary Public Harmar Twp., Allegheny County My Commission Expires Feb. 16, 2002 Member, Pennsylvania Association of Notaries
DEWITT W. LAMPMAN
COMMONWEALTH OF PENNSYLVANIA)  ) SS
County of Allegheny )
on this 19th day of December, 2000,
appeared before me in person the above DeWitt W. Lampman 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.
Tornet Doop
Notary Public

Notarial Seal
Kenneth V. Shoop, Notary Public
Harmar Twp., Allegheny County
My Commission Expires Feb. 16, 2002

ember, Pennsylvania Association of Notaries

RECORDED: 02/06/2001