

08-23-2000

U.S. DEPARTMENT OF COMMERCE

T Patent and Trademark Office

OMB No. 0651-0011 (exp. 4/94)

Tab settings: * * *



101439721

8.14.00

To the Assistant Commissioner for Patents:
Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

1. Alan J. Kaylo
2. Richard F. Karabin
3. The Ian
4. Michael G. Sandala

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☐ Assignment ☐ Merger
- ☐ Security Agreement ☐ Change of Name

☒ Other Correction of Assignment Recordation
Form Cover Sheet, recorded March 29, 1999Execution Date: Nos. 1, 2 & 4: 3/17/99; No. 3:
3/12/99

4. Application number(s) or patent number(s):

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

A. Patent Application No.(s)

09/255,205

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No5. Name and address of party to whom correspondence
concerning document should be mailed:Name: PPG Industries, Inc.Internal Address: William J. Uhl, Esq.Law Department - Intellectual PropertyStreet Address: One PPG PlaceCity: Pittsburgh State: PA ZIP: 152726. Total number of applications and
patents involved: 17. Total fee (37 CFR 3.41).....\$ 40.00☐ Enclosed☒ Authorized to be charged to deposit
account

8. Deposit account number:

16-2025(Attach triplicate 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.William J. Uhl
Name of Person SigningWilliam J. Uhl
SignatureAugust 11, 2000
Date

Total number of pages including cover sheet, attachments and document 18

Assistant Commissioner for Patents, U.S. Patent and Trademark Office
Office of Public Records, Crystal Gateway 4, Room 335
Washington, D.C. 20231

Continuation of Box No. 2

Name and address of second receiving party:

AMCOL INTERNATIONAL CORPORATION
1 North Arlington
1500 W. Shure Drive
Arlington Heights, IL 60004-7803



To the Assistant Commissioner for Patents:
Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): 5.12.00
1. Alan J. Kaylo
2. Richard F. Karabin
3. Tie Lan
4. Michael G. Sandala

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☐ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name

☒ Other Correction of Assignment Recordation
Form Cover Sheet, filed March 26, 1999

Execution Date: Nos. 1, 2 & 4: 3/17/99; No. 3:
3/12/99

2. Name and address of receiving party(ies)

Name: PPG Industries Ohio, Inc.

Internal Address: _____

Street Address: 3800 West 143rd Street

City: Cleveland State: OH ZIP: 44111

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

4. Application number(s) or patent number(s):

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

A. Patent Application No.(s)

09/25th, 205

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: William J. Uhl, Esq.

Law Department - Intellectual Property

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

☒ Authorized to be charged to deposit
account

8. Deposit account number:

16-2025

(Attach triplicate 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.

William J. Uhl
Name of Person Signing

William J. Uhl
Signature

May 3, 2000
Date

Total number of pages including cover sheet, attachments and document 6

Assistant Commissioner for Patents, U.S. Patent and Trademark Office
Office of Public Records, Crystal Gateway 4, Room 335
Washington, D.C. 20231

05/22/2000 DNGUYEN 00000319 162025 09255205

01 FC:581 40.00 CH

Name and address of receiving party(ies)

AMCOL INTERNATIONAL CORPORATION

1 North Arlington

1500 W. Shure Drive

Arlington Heights, IL 60004-7803

ASSIGNMENT

IN CONSIDERATION of good and valuable considerations received from **PPG INDUSTRIES OHIO, INC.**, a corporation of Delaware, having a place of business at 3800 West 143rd Street, Cleveland, Ohio 44111, **AND AMCOL INTERNATIONAL CORPORATION**, and intending to be legally bound hereby, we, **ALAN J. KAYLO**, of Glenshaw, County of Allegheny, and Commonwealth of Pennsylvania; **RICHARD F. KARABIN**, of Ruffs Dale, County of Westmoreland, and Commonwealth of Pennsylvania; **TIE LAN**, of Lake Zurich, County of Lake, and State of Illinois; and **MICHAEL G. SANDALA**, of Pittsburgh, County of Allegheny, and Commonwealth of Pennsylvania, do hereby sell, assign and set over unto **PPG INDUSTRIES OHIO, INC.**, **AND AMCOL INTERNATIONAL CORPORATION** the entire right, title and interest in and to our invention of improvements in

ACIDIFIED AQUEOUS DISPERSIONS OF HIGH ASPECT RATIO CLAYS

as set forth in our application for Letters Patent of the United States of America, executed by **ALAN J. KAYLO** on the 17th day of March, 1999; by **RICHARD F. KARABIN** on the 17th day of MARCH, 1999; by **TIE LAN** on the 12th day of March, 1999; and by **MICHAEL G. SANDALA** on the 17th day of March, 1999; in and for the United States and all foreign countries, the same to be held and enjoyed by **PPG INDUSTRIES OHIO, INC.**, **AND AMCOL INTERNATIONAL CORPORATION** 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.**, **AND AMCOL INTERNATIONAL CORPORATION** 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., AND AMCOL INTERNATIONAL CORPORATION** 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., AND AMCOL INTERNATIONAL CORPORATION** 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., AND AMCOL INTERNATIONAL CORPORATION** 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., AND AMCOL INTERNATIONAL CORPORATION** 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., AND AMCOL INTERNATIONAL CORPORATION** 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., AND AMCOL INTERNATIONAL CORPORATION** as joint assignees.


ALAN J. KAYLO

Notarial Seal
Madeline Pracko, Notary Public
Hampton Twp., Allegheny County
My Commission Expires March 12, 2000

* * * * *

Notarial Seal
Madeline Pracko, Notary Public
Hamorton Twp., Allegheny County
My Commission Expires March 12, 2000

TIE LAN

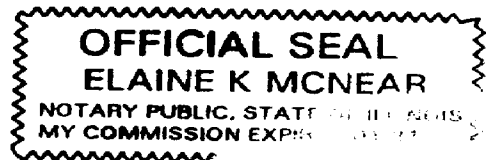
STATE OF ILLINOIS)

COUNTY OF LAKE)

SS:

On this 12 day of March, 1999, appeared before me in person the above TIE LAN 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.

Elaine K McNear
Notary Public



Michael G Sandala
MICHAEL G. SANDALA

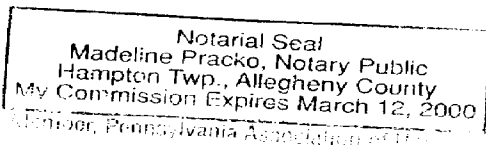
COMMONWEALTH OF PENNSYLVANIA)

COUNTY OF ALLEGHENY)

SS:

On this 17th day of March, 1999, appeared before me in person the above MICHAEL G. SANDALA 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.

Madeline Pracko
Notary Public



RECORD

04-05-1999

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

RECEIVED



Tab settings → → → ▼

To the Honorable Commissioner of Patents and Trademarks 101004298

original documents or copy thereof.

1. Name of conveying party(ies):

1. Alan J. Kaylo
2. Richard F. Karabin
3. Tie Lan
4. Michael G. Sandala

OPR/FINANCE

MEO 3.29.99

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

Name: PPG Industries Ohio, Inc.

Internal Address: _____

Street Address: 3800 West 143rd Street

City: Cleveland State: OH ZIP: 44111

Additional name(s) & address(es) attached? ☐ Yes ☒ NoAdditional names(s) of conveying party(ies) ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
- ☐ Security Agreement ☐ Change of Name
- ☐ Other _____

Execution Date: Nos. 1,2 & 4: 3/17/99; No. 3: 3/12/99

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: 3/17/99 & 3/12/99

A. Patent Application No.(s)

09/255,205

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: William J. Uhl, Esq.

Law Department - Intellectual Property

04/02/1999 DNGUYEN 00000105 162025 09255205

01 FC:581 40.00 CH

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 E

☐ 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.

Deborah M. Altman

March 26, 1999

Name of Person Signing

Signature

5

Date

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

PATENT

REEL: 011017 FRAME: 0853

ASSIGNMENT

IN CONSIDERATION of good and valuable considerations received from **PPG INDUSTRIES OHIO, INC.**, a corporation of Delaware, having a place of business at 3800 West 143rd Street, Cleveland, Ohio 44111, **AND AMCOL INTERNATIONAL CORPORATION**, and intending to be legally bound hereby, we, **ALAN J. KAYLO**, of Glenshaw, County of Allegheny, and Commonwealth of Pennsylvania; **RICHARD F. KARABIN**, of Ruffs Dale, County of Westmoreland, and Commonwealth of Pennsylvania; **TIE LAN**, of Lake Zurich, County of Lake, and State of Illinois; and **MICHAEL G. SANDALA**, of Pittsburgh, County of Allegheny, and Commonwealth of Pennsylvania, do hereby sell, assign and set over unto **PPG INDUSTRIES OHIO, INC., AND AMCOL INTERNATIONAL CORPORATION** the entire right, title and interest in and to our invention of improvements in

ACIDIFIED AQUEOUS DISPERSIONS OF HIGH ASPECT RATIO CLAYS

as set forth in our application for Letters Patent of the United States of America, executed by **ALAN J. KAYLO** on the 17th day of March, 1999; by **RICHARD F. KARABIN** on the 17th day of March, 1999; by **TIE LAN** on the 12th day of March, 1999; and by **MICHAEL G. SANDALA** on the 17th day of March, 1999; in and for the United States and all foreign countries, the same to be held and enjoyed by **PPG INDUSTRIES OHIO, INC., AND AMCOL INTERNATIONAL CORPORATION** 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., AND AMCOL INTERNATIONAL CORPORATION** 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., AND AMCOL INTERNATIONAL CORPORATION** 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., AND AMCOL INTERNATIONAL CORPORATION** 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., AND AMCOL INTERNATIONAL CORPORATION** 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., AND AMCOL INTERNATIONAL CORPORATION** 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., AND AMCOL INTERNATIONAL CORPORATION** 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., AND AMCOL INTERNATIONAL CORPORATION** as joint assignees.

ALAN J. KAYLO

* * * * *

TIE LAN

STATE OF ILLINOIS)
) SS:
COUNTY OF LAKE)

On this 12 day of March, 1999, appeared before me in person the above TIE LAN 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.

Elaine K McNear
Notary Public



Michael G Sandala
MICHAEL G. SANDALA

COMMONWEALTH OF PENNSYLVANIA)
) SS:
COUNTY OF ALLEGHENY)

On this 17th day of March, 1999, appeared before me in person the above MICHAEL G. SANDALA 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.

Madeline Pracko
Notary Public

