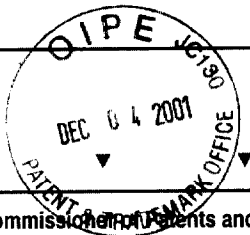


Form PTO-1595
(Rev. 6-93)



12-19-2001



101921882

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

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

1. Name of conveying party(ies):

Thomas S. Brima
Masaki Fujii
George R. Gallaher, Jr.
Sehyun Kim
Steven J. Monaco
Edwin B. Townsend IV

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

3. Nature of Conveyance:

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

Execution Date: November 19, 2001

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

Name: Aristech Chemical Corporation

Internal Address: _____

Street Address: 1801 Market Street

City: Philadelphia State: Pennsylvania

Additional name(s) & addresses 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)

09/935,952

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Robert A. Koons, Jr., Esquire

Internal Address: 3000 Two Logan Square

Street Address: Eighteenth and Arch Streets

City: Philadelphia State: PA ZIP: 19103-2799

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$ 80.00

☒ Enclosed
☐ Authorized to be charged to deposit account

8. Deposit Account number:

50-0436

(Attach duplicate copy of this page if paying by deposit account)

Refund Ref:
12/18/2001 LNUELLER 0000112819

CHECK Refund Total: \$40.00

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.

Matthew P. McWilliams
Name of Person Signing

Signature

Date

12/3/01

Total number of pages including cover sheet, attachments, and document: 7

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents and Trademarks, Box Assignments
Washington, DC 20231

12/18/2001 LNUELLER 00000094 09935952

01 FC:581

40.00 OP

Form PTO-1595- Recordation Form Cover Sheet

PATENT
REEL: 012367 FRAME: 0789

Attorney's Docket No. DB000670-000

PATENT

For: ☒ U.S. and/or ☒ Foreign Rights
For: ☐ U.S. Application or
☐ U.S. Provisional Application
For: ☐ U.S. Patent
For: ☐ PCT Application
By: Multiple Inventors

ASSIGNMENT OF INVENTION (MULTIPLE INVENTORS)

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNORS (Inventors):

Masaki Fujii
(type or print name of inventors)
Nationality

115 Alaqua Drive
Sewickley, PA 15143 Japan
Address

George R. Gallaher, Jr.

824 Seventh Street
Oakmont, PA 15139 U.S.

Sehyun Kim

4119 Windsor Court
Murrysville, PA 15668 Korean

Steven J. Monaco

114 Grouse Court
Venetia, PA 15367 U.S.

Edwin B. Townsend IV

167 Shearer Road
New Kensington, PA 15068 U.S.

hereby sells, assigns and transfers to

ASSIGNEE:

Aristech Chemical Corporation
(type or print name(s) of ASSIGNEE(S))

210 Sixth Avenue, Pittsburgh, PA 15222
Address

Nationality

and the successors, assigns and legal representatives of the ASSIGNEE

(complete one of the following)

☒ the entire right, title and interest
☐ an undivided _____ percent (_____%) interest
for the United States and its territorial possession

(check the following box, if foreign rights are also to be assigned)

☒ and in all foreign countries, including all rights to claim priority,
in and to any and all improvements which are disclosed in the invention entitled:

NOVEL HYDROTALCITES, SYNTHESSES, AND USES

(check and complete (a), (b), (c), (d), (e), (f) or (g))

and which is found in

- (a) ☐ U.S. patent application executed on even date herewith
(b) ☐ U.S. patent application executed on _____
(c) ☐ U.S. provisional application naming the above inventor(s) for the
above-entitled invention.
☐ Express mail label no. _____
Mailed: _____
☐ To comply with 37 CFR 3.21 for recordal of
this assignment, I, an ASSIGNOR signing
below, hereby authorize and request my
attorney to insert below the filing date and
application number when they become
known.
(d) ☒ U.S. application no. 09/935,952 filed on
08/23/2001
(e) ☐ International application no. PCT/_____/_____
filed on _____
(f) ☐ U.S. patent no. _____ issued
☐ A change of address to which correspondence is to be sent
regarding patent maintenance fees is being sent separately.

(also check (g), if foreign application(s) is also being assigned)

- (g) ☒ and any legal equivalent thereof in a foreign country, including the right
to claim priority

PATENT

REEL: 012367 FRAME: 0791

and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letter Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, We have hereunto set hand and seal this

Date of Signing

WARNING: The date of signing must be the same as the date of execution of the application, if item (a) was checked above.

Masaki Fujii

(type name of inventor)

George R. Gallaher, Jr.

Sehyun Kim

Steven J. Monaco

Edwin B. Townsend IV

Signature of INVENTOR

Ed R. Sells, Jr.

Sehyun Kim

Steven J. Monaco

Edwin B. Townsend IV

☐ Notarization or Legalization Page Added.

Note: No witnessing, notarization or legalization is necessary. If the assignment is notarized or legalized, then it will only be prima facie evidence of execution. 35 USC 261. Use next page if notarization is desired.

ASSIGNMENT

I, Thomas S. Brima, a citizen of the United States of America, residing at 367 Barclay Avenue, Pittsburgh, Pennsylvania, U.S.A., hereby declare that I am an inventor of the invention relating to **NOVEL HYDROTALCITES, SYNTHESSES AND USES** described in an application for Letters Patent of the United States of America filed:

[] herewith.

[x] on August 23, 2001 under U.S. application serial no. 09/935,952.

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I hereby sell, assign, and transfer to Aristech Chemical Corporation a Pennsylvania corporation having a place of business at 1801 Market Street, Philadelphia, Pennsylvania 19103, United States of America, its successors, and assigns, my entire right, title, and interest for all countries in and to said inventions, and all the rights and privileges under any and all Letters Patent that may be granted therefor, and any divisions, continuations, reissues, and extensions thereof.

I agree that, when requested, I will, without charge to said corporation but at its expense, sign all papers, take all rightful oaths, make all rightful declarations, and do all acts which may be necessary, desirable, or convenient for securing and maintaining patents or other forms of protection for said inventions in any and all countries and for vesting title thereto in said corporation, its successors, assigns, or nominees.

I agree that I will communicate to said corporation or its representatives any facts known to me respecting said inventions and, when requested by said corporation and at its expense, will generally do everything possible to aid said corporation, its successors, assigns, and legal representatives or nominees, to obtain or enforce proper protection for said inventions in any and all countries.

I authorize and empower said corporation, its successors, assigns, or nominees, to make application for patent or other form of protection for said inventions in its or their own name, or in my name, in any and all countries and to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right or priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from me.

I hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file, or like document which may be required in any country for any purpose and, more particularly, in proof of the right of said corporation, or its successors, assigns, or nominees to apply for patent or other proper protection for said inventions, and to claim the aforesaid benefits of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

I covenant with said corporation, its successors, assigns, legal representatives, and nominees, that to the best of my knowledge, the right, title, and interest herein conveyed by me are free and clear of any encumbrance, and that I have full right to convey the same as herein expressed.

Nov 19, 2001
(date)

State of PA:

County of Allegheny:

This 19 day of November, 2001 before me personally came Gwendolyn Hawk, Administratrix of the Estate of Thomas S. Brima, deceased, personally known as the individual who executed the foregoing assignment, who acknowledged to me that he executed the same of his own free will for the purposes therein set forth.

Notary Public
My Commission Expires

