

06-17-1998

Form PTO-1595
1-31-92



U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

Q50595

100740730

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

1. Name of conveying party(ies):
Tatsuya OKUMURA, Jiro MIZUYA and Junji SHIIGI
Additional name(s) of conveying party(ies) attached?
___ yes ___ no

2. Name and address of receiving party(ies)?
Name: ARAKAWA CHEMICAL INDUSTRIES, LTD.
3-7, Hirano-machi 1-chome
Chuo-ku, Osaka-shi, Osaka-fu, Japan
Additional name(s) & address(es) attached?
___ yes ___ no

JCS11 U.S. PTO
09/093057

3. Nature of Conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other
Execution Date: May 14, 1998

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: 05/14/98
A. Patent Application No.(s) | B. Patent No(s).
Additional numbers attached? Yes ___ No ___

5. Name and address of party to whom correspondence concerning document should be mailed:
J. Frank Osha, Esq.
SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC
2100 Pennsylvania Avenue, N.W.
Suite 800
Washington, D.C. 20037-3202

6. Total number of applications and patents involved:
One

7. Total Fee (37 CFR 3.41): \$40.00
 Enclosed. Please charge any underpayment in connection with this Assignment to Deposit Account No. 19-4880.
 Authorized to be charged to Deposit Account

8. Deposit Account No.

DO NOT WRITE IN 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.

J. Frank Osha, Reg. No. 24,625
June 8, 1998
Date

TOTAL NUMBER OF PAGES COMPRISING COVER SHEET, ATTACHMENTS AND DOCUMENT: 2

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

Do not detach this portion

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

6-8-98

06/16/1998 TTOM11 00000153 09093057

01 FC:581

40.00-00

PATENT
REEL: 9238 FRAME: 0469

Assignment

Whereas, I/We, Tetsuya Okumura, Jiro Mizuya and Junji Shiigi of
c/o Tsukuba Research and Development Laboratory of Arakawa Chemical
Industries, Ltd., 5, Okubo, Tsukuba-shi, Ibaraki-ken, Japan

hereinafter called assignor(s), have invented certain improvements in
POLYMER HAVING QUATERNARY AMMONIUM GROUPS AND PROCESS FOR
THE PRODUCTION THEREOF

and executed an application for Letters Patent of the United States of America therefor on
May 14, 1998 ; and

Whereas, Arakawa Chemical Industries, Ltd. residing at
3-7, Hirano-machi 1-chome, Chuo-ku, Osaka-shi, Osaka-fu, Japan
(assignee), desires to acquire the entire right, title, and interest in the application and invention, and to
any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its
successors and assigns, the entire right, title and interest in the application and the invention disclosed
therein for the United States of America, including the right to claim priority under 35 U.S.C. §119, and
I/we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth
in the application to the assignee, its successors and assigns; and I/we will execute without further
consideration all papers deemed necessary by the assignee in connection with the United States application
when called upon to do so by the assignee.

I/We hereby authorize and request my attorneys SUGHRUE, MION, ZINN, MACPEAK & SEAS of
2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3202 to insert here in parentheses (Application
number _____, filed _____) the filing date and application
number of said application when known.

Date: May 14, 1998 s/ Tatsuya Okumura

Date: May 14, 1998 s/ Jiro Mizuya

Date: May 14, 1998 s/ Junji Shiigi

Date: s/ _____

Date: s/ _____

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)