

Form PTO-1595  
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Attorney Docket No. 396.43380X00

U.S. DEPARTMENT OF COMMERCE  
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To the Honorable Commissioner of Patents **102646699**

and original documents or copy thereof.

1. Name of conveying party(ies):  
**NOMURA, TAKESHI  
KOYAMA, TAKESHI** 1-2-04  
Additional name(s) of conveying party(ies) attached?  Yes  No

2. Name and address of receiving party(ies)  
Name: **MITSUBISHI GAS CHEMICAL  
COMPANY, INC.**  
Address: **5-2, Marunouchi 2-chome,  
Chiyoda-ku, Tokyo, Japan**  
Additional name(s) & address(es) attached?  Yes  No

16834 U.S. PTO  
10/749409



3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_  
Execution Date: **December 15, 2003.**

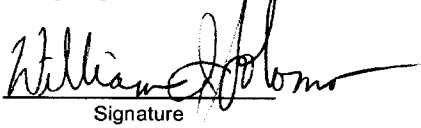
4. Application number(s) or patent number(s):  
If this document is being filed together with a new application, the execution date of the application is: **December 15, 2003.**  
A. Patent Application No.(s)  
**10749409**  
Additional number(s) attached  Yes  No

B. Patent Registration No.(s)

5. Name and address of party to whom correspondence concerning document should be mailed:  
Name: **Antonelli, Terry, Stout & Kraus, LLP**  
Internal Address:  
**1300 North Seventeenth Street  
Suite 1800  
Arlington, VA 22209  
USA**  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

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:  
**01-2135**  
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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 I. Solomon, Reg# 28,565**  **01/02/2004**  
Name of Person Signing Signature Date  
Total number of pages including cover sheet, attachments, and document: **2**

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02 FC:8021

40.00 DP

PATENT  
REEL: 014877 FRAME: 0517

ASSIGNMENT

For good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, as a below named inventor, I hereby sell and assign to Mitsubishi Gas Chemical Company, Inc. of 5-2, Marunouchi 2-chome, Chiyoda-ku, Tokyo, Japan its successors and assigns or other legal representatives all my rights, title and interest, in and for the United States of America, in and to

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invented by me (if only one is named below) or us (if plural inventors are named below) and described in the application for United States Letters Patent therefor, executed by me even date herewith, and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by said Mitsubishi Gas Chemical Company, Inc., its successors, assigns or other legal representatives, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me or us if this assignment and sale had not been made;

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

And I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said Mitsubishi Gas Chemical Company, Inc.

1) Date December 15, 2003 (Full Name) Takeshi NOMURA (Signature) Takeshi Nomura  
Inventor  
Residence Kanagawa, Japan Citizenship Japan  
Post Office Address c/o Mitsubishi Gas Chemical Company, Inc., Hiratsuka Research Laboratory  
6-2, Higashiyawata 5-chome, Hiratsuka-shi, Kanagawa, Japan

2) Date December 15, 2003 (Full Name) Takeshi KOYAMA (Signature) Takeshi Koyama  
Inventor  
Residence Kanagawa, Japan Citizenship Japan  
Post Office Address c/o Mitsubishi Gas Chemical Company, Inc., Hiratsuka Research Laboratory  
6-2, Higashiyawata 5-chome, Hiratsuka-shi, Kanagawa, Japan

3) Date \_\_\_\_\_ Inventor \_\_\_\_\_  
Residence \_\_\_\_\_ Citizenship \_\_\_\_\_  
Post Office Address \_\_\_\_\_

4) Date \_\_\_\_\_ Inventor \_\_\_\_\_  
Residence \_\_\_\_\_ Citizenship \_\_\_\_\_  
Post Office Address \_\_\_\_\_

Witness(es)

All) \_\_\_\_\_ 2) \_\_\_\_\_ 4) \_\_\_\_\_  
1) \_\_\_\_\_ 3) \_\_\_\_\_ 5) \_\_\_\_\_