

MRD 5-10-99



101039963

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

1. Name of conveying party(ies):

Hideto GOTOH
Tsuyoshi MATSUI
Takayuki NIUYA
Tetsuo AOYAMA
Taketo MARUYAMA
Tetsuya KARITA
Kojiro ABE
Fukusaburo IISHIHARA
Ryuji SOTOAKA

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

- 1. MITSUBISHI GAS CHEMICAL COMPANY, INC.
5-2, Marunouchi 2-chome, Chiyoda-ku
Tokyo, Japan
- 2. TEXAS INSTRUMENTS INCORPORATED
7839 Churchill Way, Mail Station 3999
Dallas, TX 75251, USA

JCS60 US. PTO
09/309076
05/10/99

3. Nature of conveyance: - ASSIGNMENT

Execution Date(s): April 27, 1999, April 27, 1999, April 27, 1999, April 30, 1999,
April 30, 1999, April 30, 1999, April 30, 1999, April 30, 1999, April 30, 1999, respectively.

4. Application number(s) or patent number(s): 09/309076

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

April 27, 1999, April 27, 1999, April 27, 1999, April 30, 1999,
April 30, 1999, April 30, 1999, April 30, 1999, April 30, 1999, April 30, 1999, respectively.

A. Patent Application No. (s)

B. Patent No.(s)

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

FRISHAUF, HOLTZ, GOODMAN, LANGER & CHICK, P.C.
767 Third Avenue, 25th Floor
New York, New York 10017-2023

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$ 40.00

[] Amount included with filing fee attached hereto.

[X] Check enclosed.

05/19/1999 JSHABAZZ 00000101 09309076

01 FC:581 40.00 DP

8. To the extent not tendered by check, authorization is given to charge the Assignment Fee (37 CFR.341) to Account No. 06-1378.

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.

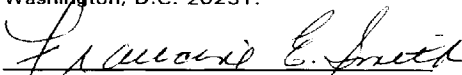
Dated: May 10, 1999

By 
HERBERT GOODMAN
Reg. No. 17,081

Express Mail" Mailing Label No. EL 270 016 484 US

Date of Deposit: May 10, 1999

I hereby certify that this paper and enclosed application and fee are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.


Francine E. Smith

ASSIGNMENT

In consideration of value received, I, having a residence and post office address as stated below next to my name, the sole inventor (if only one name is listed below) or a joint inventor (if plural names are listed below) of an invention described in an application for United States patent entitled: **CLEANING AGENT FOR USE IN PRODUCING SEMICONDUCTOR DEVICES AND PROCESS FOR PRODUCING SEMICONDUCTOR DEVICES USING THE SAME**

sell and assign to (1) Mitsubishi Gas Chemical Company, Inc.
(2) Texas Instruments Incorporated

a corporation of (1) Japan (2) U.S.A

having a business address at (1) 5-2, Marunouchi 2-chome, Chiyoda-ku, Tokyo, Japan
(2) 7839 Churchill Way, Mail Station 3999 Dallas, TX 75251, USA

its successors, assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention as disclosed, shown and described in said application for United States patent executed concurrently herewith;

and in and to all applications for patent and patents for said invention, in all countries of the world, including all divisions, reissues, continuations, substitutions and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property, including rights of priority, resulting from the filing of any of said applications; and I authorize and request any official whose duty it is to issue patents, to issue any patent on said invention or resulting therefrom to said Assignee, and I agree that on request and without further consideration, but at the expense of said Assignee, I will communicate to said Assignee or its representatives all facts known to me respecting said invention and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue, or other applications, make all rightful oaths and declarations, and generally do everything possible to aid said Assignee to obtain and enforce proper patent protection for said invention in all countries.

I hereby grant to any attorney member of the following law firm the power to insert on this Assignment the Serial Number and filing date of said application when known.

SERIAL NO.:

FILING DATE:

Frishauf, Holtz, Goodman, Langer & Chick, P.C., 767 Third Avenue - 25th Floor, New York, N.Y. 10017-2023.

INVENTOR: SIGNATURE**DATE****ADDRESS**

Sign: <i>Hideto Gotoh</i>	Date: Apr. 27, 1999	Address: 21-6-102, Umezono 2-chome, Tsukuba-shi, Ibaraki-ken, Japan
Type: Hideto GOTOH	Witness:	
Sign: <i>Tsuyoshi Matsui</i>	Date: Apr. 27, 1999	Address: c/o Texas Instruments Japan Ltd. 2350, Kihara, Miho-mura, Inashiki-gun, Ibaraki-ken, Japan
Type: Tsuyoshi MATSUI	Witness:	
Sign: <i>Takayuki Niuya</i>	Date: Apr. 27, 1999	Address: 12-34, Kouyadai 3-chome, Tsukuba-shi, Ibaraki-ken, Japan
Type: Takayuki NIUYA	Witness:	

NOTES: MUST BE DATED.**WITNESS DESIRABLE.****LEGALIZATION NOT REQUIRED.**

RECORDING OFFICER:

After recording, please return to:

FRISHAUF, HOLTZ, GOODMAN, LANGER & CHICK, P.C.
767 Third Avenue - 25th Floor, New York, N.Y. 10017-2023
Tel. No.: (212) 319-4900 Fax No.: (212) 319-5101

PATENT**REEL: 009953 FRAME: 0832**

ASSIGNMENT

INVENTOR:SIGNATURE	DATE	ADDRESS
Sign: <i>Tetsuo Aoyama</i>	Date: Apr. 30, 1999	Address: c/o Mitsubishi Gas Chemical Company, Inc., Niigata Research Laboratory, 182, Aza-Shinwari, Tayuhama, Niigata-shi, Niigata-ken, Japan
Type: Tetsuo AOYAMA	Witness:	
Sign: <i>Taketo Maruyama</i>	Date: Apr. 30, 1999	Address: c/o Mitsubishi Gas Chemical Company, Inc., Niigata Research Laboratory, 182, Aza-Shinwari, Tayuhama, Niigata-shi, Niigata-ken, Japan
Type: Taketo MARUYAMA	Witness:	
Sign: <i>Tetsuya Karita</i>	Date: Apr. 30, 1999	Address: c/o Mitsubishi Gas Chemical Company, Inc., Niigata Research Laboratory, 182, Aza-Shinwari, Tayuhama, Niigata-shi, Niigata-ken, Japan
Type: Tetsuya KARITA	Witness:	
Sign: <i>Kojiro ABE</i>	Date: Apr. 30, 1999	Address: c/o Mitsubishi Gas Chemical Company, Inc., Niigata Research Laboratory, 182, Aza-Shinwari, Tayuhama, Niigata-shi, Niigata-ken, Japan
Type: Kojiro ABE	Witness:	
Sign: <i>Fukusaburo Ishihara</i>	Date: Apr. 30, 1999	Address: c/o Mitsubishi Gas Chemical Company, Inc., Corporate Research Laboratory, 22, Wadai, Tsukuba-shi, Ibaraki-ken, Japan
Type: Fukusaburo ISHIHARA	Witness:	
Sign: <i>Ryuji Sotoaka</i>	Date: Apr. 30, 1999	Address: c/o Mitsubishi Gas Chemical company, Inc., Corporate Research Laboratory, 22, Wadai, Tsukuba-shi, Ibaraki-ken, Japan
Type: Ryuji SOTOAKA	Witness:	
Sign:	Date:	Address:
Type:	Witness:	
Sign:	Date:	Address:
Type:	Witness:	