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U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark OfficeHEET  
PCT/PTO 19 JAN 2000

Docket No.: OHS-280

To Honorable Commissioner of Patents and Trademarks:

Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

Masahiro JOHNO Hiroshi MINETA  
Yuki MOTOYAMA Tomoyuki YUI  
Takahiro MATSUMOTOAdditional name(s) & addresses attached? ☐ Yes ☒ No

## 3. Nature of Conveyance:

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

Execution Date January 7, 2000

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

Name: MITSUBISHI GAS CHEMICAL COMPANY, INC.

Internal Address:

Street Address: 5-2, Marunouchi 2-chome

Chiyoda-ku

City: Tokyo State: Japan

ZIP: 100-0005

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: January 7, 2000

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:

Name: SHERMAN &amp; SHALLOWAY

Internal Address:

Street Address: 413 North Washington Street

City: Alexandria State: VA ZIP: 22314

## 6. Total number of applications and patents involved: 1

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

☒ Enclosed☐ Authorized to charge to deposit account

8. Deposit account number: 19-1980

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

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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.

Richard A. Steinberg  
Name of Person Signing

Signature

January 19, 2000  
Date

Total number of pages including cover sheet, attachments, and document: 2

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

Joint Inventors

# ASSIGNMENT

WHEREAS, We, Masahiro JOHNO, Yuki MOTOYAMA, Takahiro MATSUMOTO, Hiroshi MINETA and Tomoyuki YUI,  
residing at Katsushika-ku, TOKYO, JAPAN, Katsushika-ku, TOKYO, JAPAN, Katsushika-ku, TOKYO, JAPAN, Chiyoda-ku, TOKYO, JAPAN and Katsushika-ku, TOKYO, JAPAN, respectively,  
(hereinafter referred to as Inventors), have invented certain new and useful improvements in FLUORINE-SUBSTITUTED COMPOUND AND FERRIELECTRIC LIQUID CRYSTAL COMPOSITION CONTAINING THE SAME;  
for which an application for United States Letters Patent was signed by us on January 7, 2000 and filed in the United States on \_\_\_\_\_ and assigned Serial Number \_\_\_\_\_.

WHEREAS, MITSUBISHI GAS CHEMICAL COMPANY, INC.,  
a corporation of Japan, having a place of business at 5-2, Marunouchi 2-chome, Chiyoda-ku, TOKYO 100-0005 JAPAN (hereinafter referred to as Company), is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefor in the United States and in any and all foreign countries.

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, the receipt whereof is hereby acknowledged, and other valuable considerations, the said Inventors have sold, assigned and transferred, and by the presents do sell, assign and transfer unto said Company, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent, which may be granted thereof in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations and extensions thereof.

We hereby authorize and request the Patent Office Officials in the United States and in any and all foreign countries to issue any and all of said Letters Patent, when granted, to said Company as the assignee of the entire right, title and interest in and to the same, for the sole use and behoof of the said Company, its successors and assigns.

FURTHER, We agree that we will communicate to said Company or its representatives any facts known to us respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, substitution, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said Company, make all rightful oaths and generally do everything possible to aid said Company, its successors and assigns, to obtain and enforce proper protection for said invention in the United States and in any and all foreign countries.

IN TESTIMONY WHEREOF, We have hereunto set our hands this 7th day of January, 2000.

Signed in the presence of:

Witness: <u>Naoto Sayama</u>	Signed: <u>Masahiro Johno</u>
Witness: _____	Signed: <u>Yuki Motoyama</u>
Witness: _____	Signed: <u>Takahiro Matsumoto</u>
Witness: _____	Signed: <u>Hiroshi Mineta</u>
Witness: _____	Signed: <u>Tomoyuki Yui</u>
Witness: _____	Signed: _____