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FORM PTO-1595

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U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

OHS-316

jc971 U.S. PTO
10/046902

01/17/02

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

1. Name of conveying party(ies):

Yasumasa NORISUE
Takakiyo MINE
Masahiro JOHNNO

1-17-02

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

Name: mitsubishi GA3 CHEMICAL COMPnay, INC.

Internal Address:

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

3. Nature of Conveyance

☒ Assignment

☐ Merger

☐ Security Agreement ☐ Change of Name

☐ Other

Execution Date: January 10, 2002

Street Address: 5-2, Marunouchi 2-chome

Chiyoda-ku

City: Tokyo State: Japan ZIP: 100-0005

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

10,046 902

If this document is being filed together with a new application, the execution date
of the application is: January 10, 2002

A. Patent Application No.(s)

B. Patent No.(s)

01/23/2002 MMEKONEN 00000020 10046902

02 PC:581

Additional numbers attached? ☐ Yes ☒ No

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

Name: SHERMAN & 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 be charged to deposit account

8. Deposit account number:

(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

Leonard W. Sherman

Name of Person Signing

Signature

January 17, 2002

Date

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

A S S I G N M E N T

WHEREAS, We, Yasumasa NORISUE, Takakiyo MINE and Masahiro JOHNO

residing at Katsushika-ku, TOKYO, JAPAN, respectively,

(hereinafter referred to as Inventors), have invented certain new and useful improvements in OPTICALLY ACTIVE COMPOUND AND LIQUID CRYSTAL COMPCSTION CONTAINING THE COMPOUND;

for which an application for United States Letters Patent was signed by us on January 10, 2002 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 10th day of January, 2002.

Signed in the presence of:

Witness: Norio Sugama

Signed: Yasumasa Norisue

Witness: _____

Signed: Takakiyo Mine

Witness: _____

Signed: Masahiro Johno

Witness: _____

Signed: _____

PATENT

RECORDED: 01/17/2002

REEL: 012496 FRAME: 0881