



RECORDATION F

PATE

03-09-1999



100982577

Our Ref.: 829-498

Honorable Assistant Commissioner of Patents
Box Assignment, Washington, D.C. 20231

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

1. Name of conveying party(ies):

Noriaki Onishi Kenji Suzuki
Aya Miyazaki

Hoyo Mizobe
Masahiko Yoshida

Additional name/s of conveying party/ies attached? ☐

3. Nature of conveyance:

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

Execution Date: 1 February 1999

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

Name: Sharp Kabushiki Kaisah and Kanto Kagaku
Kabushiki Kaisha, respectively

Internal Address:

Street Address: 22-22, Nagaike-cho, Abeno-ku and 2-8,
Nihonbashihoncho 3-chome, Chuo-ku,
respectively

City: Osaka And Tokyo, Respectively

State/Country: Japan (Both)

Zip: 545-8522

Additional name/s & address/es 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:

A. Patent Application No(s).

- (1) 09/237,915
(2)
(3)

B. Patent No(s).

- (1)
(2)
(3)

Additional numbers attached ☐ Yes ☒ No

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

Name: H. Warren Burnam, Jr.

Internal Address:

Street Address: Nixon & Vanderhye P.C.
1100 North Glebe Road
8th Floor

City: Arlington State: VA Zip: 22201

6. Total number of applications & patents involved: 1

7. Total fee (37 CFR 3.41)

\$ 40.00

- ☒ Enclosed
☐ Authorized to be charged to deposit account #14-1140

8. The Commissioner is hereby authorized to charge any deficiency in the fee(s) filed, or asserted to be filed, or which should have been filed herewith (or with any paper thereafter filed in this application by this firm) to our Account No. 14-1140.

DO NOT USE THIS SPACE

9. Statements 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.

H. Warren Burnam, Jr.

Name of Person Signing

Reg. No. 29,366

Signature

February 26, 1999

Date

03/04/1999 MMARMOL 00000076 09237915 Total number of pages including original cover sheet, attachments, and document: [9]

ASSIGNMENT

WHEREAS, The ASSIGNOR, comprising the following named inventor(s):

1. Noriaki ONISHI; 268-4, Fujiwara-cho, Nara-shi,
Nara-ken Japan
2. Aya MIYAZAKI; Yayoi-ryo, 2613-1, Ichinomoto-cho,
Tenri-shi, Nara-ken Japan
3. Hoyo MIZOBE; c/o KANTO KAGAKU KABUSHIKI KAISHA
Central Research Laboratory,
1-7-1, Inari, Soka-shi,
Saitama-ken Japan
4. Masahiko YOSHIDA; c/o KANTO KAGAKU KABUSHIKI KAISHA
Central Research Laboratory,
1-7-1, Inari, Soka-shi,
Saitama-ken Japan
5. Kenji SUZUKI; c/o KANTO KAGAKU KABUSHIKI KAISHA
Central Research Laboratory,
1-7-1, Inari, Soka-shi,
Saitama-ken Japan

has invented and owns a certain invention entitled:

POLYMERIZABLE COMPOUND, POLYMERIZABLE RESIN COMPOSITION,
CURED POLYMER AND LIQUID CRYSTAL DISPLAY DEVICE

for which application for Letters Patent of the United States was filed on January 27, 1999, and assigned Serial No. 09/237,915 and

WHEREAS, the ASSIGNEE, comprising the following:

1. SHARP KABUSHIKI KAISHA
22-22, Nagaike-cho, Abeno-ku, Osaka 545-8522 Japan

2. KANTO KAGAKU KABUSHIKI KAISHA

2-8, Nihonbashihoncho 3-chome, Chuo-ku, Tokyo Japan

is desirous of acquiring the entire interest in, to and under said invention and the United States Letters Patent to be obtained therefor;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that in consideration of the payment by ASSIGNEE to ASSIGNOR of the sum corresponding to One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the full and exclusive right, title and interest to said invention and all Letters Patent of the United States to be obtained therefor on said application or any continuation, division, renewal, substitute or reissue thereof for the full term or terms for which the same may be granted.

ASSIGNOR hereby covenants that no assignment sale agreement charge or other encumbrance has been or will be entered into which would conflict with this assignment and sale;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain and enforce said application, said invention and said Letters Patent which may be necessary or desirable to carry out the purposes hereof.

IN WITNESS WHEREOF, the parties have hereunto set
their hands and seal

this 1st day of February, 1999 .

1. Noriaki Onishi
(Noriaki ONISHI)

2. Aya Miyazaki
(Aya MIYAZAKI)

3. _____
(Hoyo MIZOBE)

4. _____
(Masahiko YOSHIDA)

5. _____
(Kenji SUZUKI)

ASSIGNMENT

WHEREAS, The ASSIGNOR, comprising the following named inventor(s):

1. Noriaki ONISHI; 268-4, Fujiwara-cho, Nara-shi,
Nara-ken Japan
2. Aya MIYAZAKI; Yayoi-ryo, 2613-1, Ichinomoto-cho,
Tenri-shi, Nara-ken Japan
3. Hoyo MIZOBE; c/o KANTO KAGAKU KABUSHIKI KAISHA
Central Research Laboratory,
1-7-1, Inari, Soka-shi,
Saitama-ken Japan
4. Masahiko YOSHIDA; c/o KANTO KAGAKU KABUSHIKI KAISHA
Central Research Laboratory,
1-7-1, Inari, Soka-shi,
Saitama-ken Japan
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1. _____
(Noriaki ONISHI)

2. _____
(Aya MIYAZAKI)

3. Hoyo MIZOBE
(Hoyo MIZOBE)

4. Masahiko Yoshida.
(Masahiko YOSHIDA)

5. Kenji SUZUKI
(Kenji SUZUKI)