

01-19-1999



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PATENTS ONLY

Our Ref. 829-49

Commissioner of Patents and Trademarks
Box Assignment, Washington, D.C. 20231

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

1. Name of conveying party(ies):
 Yasuhiro Kume Masato Imai
 Kenji Hamada Kazuyuki Endo
 Masahiko Kondo
 Takashi Kurihara

Additional name/s of conveying party/ies attached?

3. Nature of conveyance:
 Assignment Merger
 Security Assignment Change of Name
 Other

Execution Date: December 8, 1998

2. Name and address of receiving party(ies):
 Name: SHARP KABUSHIKI KAISHA
 Internal Address:
 Street Address: 22-22, Nagaike-cho
 Abenu-ku
 City: Osaka
 State/Country: Japan
 Zip: 545-8522

Additional name/s & address/es attached? Yes No

JCS 11 U.S. PTO
09/21/98
12/23/98

4. Application number(s) or patent number(s): 09219847
 If this document is being filed together with a new application, the execution date of the application is: December 8, 1998

A. Patent Application No(s).
 (1)
 (2)
 (3)

B. Patent No(s).
 (1)
 (2)
 (3)

Additional numbers attached Yes No 12/23/98

5. Name and address of party to whom correspondence concerning document should be mailed:
 Name: H. Warren Burnam, Jr.
 Internal Address:
 Street Address: Nixon & Vanderhuy 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. [Signature] December 23, 1998
 Name of Person Signing Signature Date
 Reg. No. 29.366

Total number of pages including original cover sheet, attachments, and document [5]

RECORDATION FORM COVER SHEET

PATENTS ONLY

Our Ref. 829-49

Commissioner of Patents and Trademarks
Box Assignment, Washington, D.C. 20231

JCS11 U.S. PTO
09/21/84
12/23/98

1 Name of conveying party(ies):

2 Name: Sony Corporation
Street Address: 7-35, Kitashinagawa 6-chome, Shinagawa-ku
City: Tokyo
State: Japan
Zip: 141-0001

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

A. Patent Application No(s).

B. Patent No(s).

- (4)
- (5)
- (6)
- (7)
- (8)
- (9)

- (4)
- (5)
- (6)
- (7)
- (8)
- (9)

ASSIGNMENT

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

1. Yasuhiro KUME; 1-36-21-2, Shichijo, Nara-shi,
Nara-ken Japan
2. Kenji HAMADA; LIME 47-302, 47-13, Hisajiri,
Izumi-cho, Toki-shi, Gifu-ken Japan
3. Masahiko KONDO; 3-1-38-302, Kataokadai, Kanmaki-cho,
Kitakatsuragi-gun, Nara-ken Japan
4. Takashi KURIHARA; Hapiogumento 4C, 1-49-1,
Taihei-cho, Tajimi-shi, Gifu-ken
Japan
5. Masato IMAI; c/o SONY CORPORATION, 7-35,
Kitashinagawa 6-chome, Shinagawa-ku,
Tokyo Japan
6. Kazuyuki ENDO; c/o SONY CORPORATION, 7-35,
Kitashinagawa 6-chome, Shinagawa-ku,
Tokyo Japan

has invented and owns a certain invention entitled:

LIQUID CRYSTAL DISPLAY DEVICE

for which application for Letters Patent of the United States was executed on even date herewith, and

WHEREAS, the ASSIGNEE, comprising the following:

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

SONY CORPORATION
7-35, Kitashinagawa 6-chome, Shinagawa-ku,
Tokyo 141-0001 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 8th day of December, 1998.

1. Yasuhiro KUME
(Yasuhiro KUME)

2. Kenji Hamada
(Kenji HAMADA)

3. Masahiko Kondo
(Masahiko KONDO)

4. Takashi KURIHARA
(Takashi KURIHARA)

5. Masato Imai
(Masato IMAI)

6. Kazuyuki Endo
(Kazuyuki ENDO)