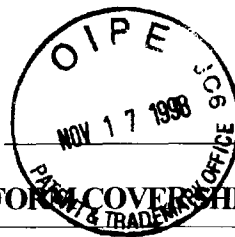


11-20-1998



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Atty. Docket No.: 0717-0413P

Page 1 of 1

RECORDATION FORM COVER SHEET

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

1. Name of conveying party(ies):

Koji HORIKAWA
Hideaki KAWAMURA
Masayuki EZAWA

NRD
11-17-98

2. Name and address of receiving party(ies)

Name: SHARP KABUSHIKI KAISHA

Internal Address:

Street Address: 22-22, Nagaike-cho, Abeno-ku

City: OSAKA State: ZIP: 545-8522

Country: JAPAN Postal Code:

Additional name(s) & address(es) attached? ☐ Yes ☒ NoAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

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

Execution Date: September 17, 1998

4. Application number(s) or patent number(s): 09/140,458

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

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: BIRCH, STEWART, KOLASCH & BIRCH, LLP

Street Address: P.O. BOX 747

City: FALLS CHURCH State: VA ZIP: 22040-0747

Country: USA

6. Total number of applications and patents involved: one (1)

7. Total fee (37 C.F.R. § 3.41): \$40.00

☒ Enclosed☐ Authorized to be charged to deposit account

8. Deposit account number: 02-2448

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

11/19/1998 JSH/DAZZ 00000092 09140458

01 FC-501 Statement and signature. 40.00 DP

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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

Terrell C. Birch, Reg. 19,382
Name of Person Signing/Reg. No.

Signature

November 17, 1998
Date

Total number of pages including cover sheet, attachments, and document: 4

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

PATENT
REEL: 9588 FRAME: 0714

ASSIGNMENT

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

1. Koji HORIKAWA; 174-3, Kodono-cho, Nara-shi, Nara-ken
Japan
2. Hideaki KAWAMURA; 155, Noguchi, Yamatotakada-shi,
Nara-ken Japan
3. Masayuki EZAWA; Raport Nara 424, 763-1,
Minosho-cho, Yamatokoriyama-shi,
Nara-ken Japan

has invented and owns a certain invention entitled:

VIDEO SIGNAL CONVERSION DEVICE

for which application for Letters Patent of the United States was filed on August 26, 1998, and assigned Serial No. 09/140,458, and

WHEREAS, the ASSIGNEE:

SHARP KABUSHIKI KAISHA

22-22, Nagaike-cho, Abeno-ku, Osaka 545-8522 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 17th day of September, 1998.

1. Koji Horikawa
(KOJI HORIKAWA)

2. Hideaki Kawamura
(Hideaki KAWAMURA)

3. Masayuki Ezawa
(Masayuki EZAWA)