To the Assistant Commissioner for Patents: Please record the attached original document or copy thereof.

1. A. Name of conveying party(ies):
   1. Mutsumi KIMURA
   2. Hiroshi KIGUCHI

   B. Additional name(s) of conveying party(ies) attached?
      □ Yes □ No

2. A. Name and address of receiving party(ies):
   SEIKO EPSON CORPORATION
   4-1, NISHISHINJUKU/21-CHOME
   SHINJUKU-KU, TOKYO 163-0811
   JAPAN

   B. Additional name(s) & address(es) attached?
      □ Yes □ No

3. A. Nature of conveyance:
   XX Assignment   □ Merger
   □ Security Agreement   □ Change of Name
   □ Other

   B. Execution Date: 1. 04/27/98; 2. 04/28/98

4. A. If this document is being filed together with a new application, the execution date of the application is: April 27 and 28, 1998.

   B. Patent Application No.(s)

   C. Patent No.(s)

   Additional numbers attached? □ Yes □ No

5. Name and address of party to whom correspondence concerning document should be mailed:
   Name: James A. Oliff
   Address: OLIFF & BERRIDGE, PLC
            P.O. Box 19928
            Alexandria, VA 22320

6. Total number of applications and patents involved: 1

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

   B. Enclosed (Check No. 59584)

8. Credit any overpayment or charge any underpayment to deposit account number 15-0461.

   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.
   Signature: ____________________________
   James A. Oliff, Registration No. 27,075
   Ronald E. Prass, Jr., Registration No. P-42,089

   Date: May 18, 1998

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

(1) Mutsumi KIMURA
(2) Hiroshi KIGUCHI
(3)
(4)

Insert Name(s)
of Inventor(s)

(5)
(6)
(7)
(8)

In consideration of the sum of one dollar ($1.00) and other good and valuable consideration paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(9) Seiko Epson Corporation
(10) 4-1, Nishishinjuku 2-chome, Shinjuku-ku, Tokyo 163-0811, JAPAN

(hereinafter designated as the Assignee) the entire right, title and interest for the United States of America as defined in 35 U.S.C. §100, in the invention, and in all applications for patent including any and all provisional, non-provisional, divisional, continuation, substitute, and reissue application(s), and all Letters Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as

(11) DISPLAY APPARATUS

(Attorney Docket No. JAO 40603)

for which the undersigned has (have) executed an application for patent in the United States of America on even date herewith or

(12) on

(13) U.S. application Serial Number

May 18, 1998

filed

1) The undersigned agree(s) to execute all papers necessary in connection with any application and any continuing, divisional or reissue applications for the invention, and any patent(s) issuing thereon, and also to execute separate assignments in connection with such applications and patents as the Assignee may deem necessary.

2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning any application or continuation or division thereof, or any patent or reissue application based thereon, for the invention, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) The undersigned agree(s) to perform all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to the Assignee.

5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and hereby covenants that he (they have) full right to convey the entire interest herein assigned, and that he (they have) not executed, and will not execute, any agreements in conflict herewith.

6) The undersigned hereby grant(s) the firm of OLIFF & BERRIDGE, PLC the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date April 27 1998 Name of Inventor Mutsumi KIMURA (SEAL)
Date April 28 1998 Name of Inventor Hiroshi KIGUCHI (SEAL)

This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here:

Date Witness
Date Witness

RECORDED: 05/18/1998

PATENT REEL: 9502 FRAME: 0108