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

1. Name of conveying party(ies):  
Kenichi TANABE, Hiroshi ONO,  
Yoshiharu KONISHI and Hitoshi HAYAMA

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

2. Name and address of receiving party(ies)

Name: KING JIM CO., LTD. and SEIKO  
EPSON CORPORATION, of, respectively,  
Internal Address: 10-18, Hiashi-Kanda  
2-chome, Chiyoda-ku, Tokyo, Japan  
and 4-1, Nishi-Shinjuku 2-chome,  
Shinjuku-ku, Tokyo, Japan

Street Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ ZIP: \_\_\_\_\_

3. Nature of conveyance:

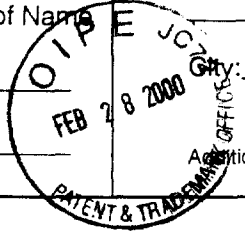
Assignment  Merger

Security Agreement  Change of Name

Other \_\_\_\_\_

13 December 1999

Execution Date: 03 February 2000



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)

U.S.S.N. 09/475,214

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

Name: George A. Loud

Internal Address: \_\_\_\_\_

Street Address: LORUSSO & LOUD

3137 Mt. Vernon Avenue

City: Alexandria State: VA ZIP: 22305

6. Total number of applications and patents involved:

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)

02/29/2000 TLW11 00000115 09475214

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(40.00 DP)

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.

George A. Loud  
Name of Person Signing

Signature

28 FEB 2000  
Date

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

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments PATENT  
Washington, D.C. 20231

REEL: 010578 FRAME: 0017

## ASSIGNMENT

WHEREAS, we, Kenichi TANABE, and Hiroshi ONO, of respectively, 10-18, Higashi-Kanda 2-chome, Chiyoda-ku, Tokyo Japan, 10-18, Higashi-Kanda 2-chome, Chiyoda-ku, Tokyo Japan, have invented certain improvements in PRINTING APPARATUS set forth in an application for Patent of the United States; and

WHEREAS, KING JIM CO., LTD. and SEIKO EPSON CORPORATION, of respectively, 10-18, Higashi-Kanda 2-chome, Chiyoda-ku, Tokyo Japan, 4-1, Nishi-Shinjuku 2-chome, Shinjuku-ku, Tokyo Japan are desirous of acquiring an interest therein;

NOW THEREFORE, for and in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, we, Kenichi TANABE, and Hiroshi ONO, by these presents do sell, assign and transfer unto each of said KING JIM CO., LTD. and SEIKO EPSON CORPORATION, their successors, legal representatives, heirs and assigns, right, title and interest in said application executed on the \_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, (and we hereby authorize our attorneys, authorized to prosecute said application, to here insert the filing date and serial number of said application, when known: Serial No. 09 / 475,214, filed 12/29/99) to all Patents in the United States which may be granted on said application, to all divisions, continuations and continuations-in-part of said application, or reissues or extensions of said Patent, all applications for Patent and all Patent therefor, to be

held and enjoyed by KING JIM CO., LTD. and SEIKO EPSON CORPORATION, for their use and behoof and for their legal representatives, successors, heirs, and assigns, to the full end of the term for which said Patent are granted and any extensions thereof, as fully and entirely as the same would have been held by us had this assignment and sale not been made; and for the same consideration, we hereby covenant and agree that, at the time of execution and delivery of this instrument, we hold good and full right and lawful authority to sell and convey the application for Patent above mentioned in the manner herein set forth; and for the same consideration we hereby covenant and agree that we will, whenever counsel of KING JIM CO., LTD. and SEIKO EPSON CORPORATION or the counsel of their successors, legal representatives, heirs or assigns, shall advise that any proceeding in connection with said application for Patent, or any proceeding in connection with Patent in the United States, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for Patent, or any reissue or extension of any Patent to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of said Patent, without charge to us, our successors, legal representatives, heirs and assigns, but at the cost and expense of KING JIM CO., LTD. and SEIKO EPSON CORPORATION their successors, legal representatives, heirs and assigns; and we hereby request the Commissioner of Patents to issue

said Patent to ourselves and to, KING JIM CO., LTD. and SEIKO EPSON CORPORATION, as an assignee thereof.

Kenichi Tanabe 13. DEC. 1998  
Kenichi TANABE date

Hiroshi Ono - 13. DEC. 1998  
Hiroshi ONO date

## ASSIGNMENT

WHEREAS, we, Yoshiharu KONISHI and Hitoshi HAYAMA, of respectively, 3-5, Owa 3-chome, Suwa-shi, Nagano-ken Japan, 3-5, Owa 3-chome, Suwa-shi, Nagano-ken Japan, have invented certain improvements in PRINTING APPARATUS set forth in an application for Patent of the United States; and

WHEREAS, KING JIM CO., LTD. and SEIKO EPSON CORPORATION, of respectively, 10-18, Higashi-Kanda 2-chome, Chiyoda-ku, Tokyo Japan, 4-1, Nishi-Shinjuku 2-chome, Shinjuku-ku, Tokyo Japan are desirous of acquiring an interest therein;

NOW THEREFORE, for and in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, we, Yoshiharu KONISHI and Hitoshi HAYAMA, by these presents do sell, assign and transfer unto each of said KING JIM CO., LTD. and SEIKO EPSON CORPORATION, their successors, legal representatives, heirs and assigns, right, title and interest in said application executed on the \_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, (and we hereby authorize our attorneys, authorized to prosecute said application, to here insert the filing date and serial number of said application, when known: Serial No. 09/ 475,214, filed 12/29/99) to all Patents in the United States which may be granted on said application, to all divisions, continuations and continuations-in-part of said application, or reissues or extensions of said Patent, all applications for Patent and all Patent therefor, to be

held and enjoyed by KING JIM CO., LTD. and SEIKO EPSON CORPORATION, for their use and behoof and for their legal representatives, successors, heirs, and assigns, to the full end of the term for which said Patent are granted and any extensions thereof, as fully and entirely as the same would have been held by us had this assignment and sale not been made; and for the same consideration, we hereby covenant and agree that, at the time of execution and delivery of this instrument, we hold good and full right and lawful authority to sell and convey the application for Patent above mentioned in the manner herein set forth; and for the same consideration we hereby covenant and agree that we will, whenever counsel of KING JIM CO., LTD. and SEIKO EPSON CORPORATION or the counsel of their successors, legal representatives, heirs or assigns, shall advise that any proceeding in connection with said application for Patent, or any proceeding in connection with Patent in the United States, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for Patent, or any reissue or extension of any Patent to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of said Patent, without charge to us, our successors, legal representatives, heirs and assigns, but at the cost and expense of KING JIM CO., LTD. and SEIKO EPSON CORPORATION their successors, legal representatives, heirs and assigns; and we hereby request the Commissioner of Patents to issue

said Patent to ourselves and to, KING JIM CO., LTD. and SEIKO EPSON CORPORATION, as an assignee thereof.

Yoshiharu Konishi Feb 3, 2000  
Yoshiharu KONISHI date

Hitoshi Hayama Feb 3, 2000  
Hitoshi HAYAMA date