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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):

**YOSHINORI SHIRAISHI, HIDETOSHI KANEKO,
YOSHINORI HAYASHI, YASUSHI MATSUTOMO,
MINORU TOMIYORI**

Additional names(s) of conveying party(ies)

☐ Yes ☒ No

3. Nature of conveyance:

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

Execution Date: **March 31, 1999**

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

Name: **SHARP KABUSHIKI KAISHA**Address: **22-22 Nagaike-cho, Abeno-ku**City: **Osaka** State/Prov.: _____Country: **Japan** ZIP: _____

Additional name(s) & address(es)

☐ Yes ☒ No

4. Application number(s) or registration numbers(s):

09/291,864If this document is being filed together with a new application, the execution date of the application is: **March 31, 1999**

Patent Application No.

Filing date

B. Patent No.(s)

Additional numbers

☐ Yes ☒ No

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

Name: **David G. Conlin**Registration No. **27026**Address: **Dike, Bronstein, Roberts & Cushman, LLP****130 Water Street**City: **Boston** State/Prov.: **MA**Country: **USA** ZIP: **02109**

6. Total number of applications and patents involved:

17. Total fee (37 CFR 3.41):.....\$ **40.00**☒ Enclosed - Any excess or insufficiency should be credited or debited to deposit account☐ Authorized to be charged to deposit account

8. Deposit account number:

04-1105

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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.

David G. Conlin

Name of Person Signing

Signature

April 14, 1999

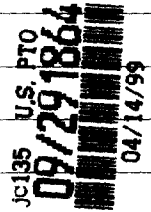
Date

3

Total number of pages including cover sheet, attachments, and

PATENT
REEL: 9913 FRAME: 0761

MPO 4-14-99



A S S I G N M E N T

We Yoshinori SHIRAISHI,
Hidetoshi KANEKO,
 and Yoshinori HAYASHI
 for good and valuable consideration from SHARP KABUSHIKI KAISHA,
 a Japanese corporation,
 having its principal place of business in Osaka, Japan,
 hereinafter called the Assignee, receipt of which is hereby acknowledged, do hereby
 sell, assign and transfer unto the Assignee, its successors and assigns, the entire
 right, title and interest in, to and under an application for Letters Patent of the
 United States Serial No. _____, filed on _____ * signed by us
 for Improvements in IMAGE FORMING DEVICE

including all priority rights ensuing therefrom, and the inventions and any of them
 therein set forth and described, and any and all Letters Patent of the United States
 and of countries foreign thereto which may be granted thereon or therefor, together
 with the right to apply for such Letters Patent.

And for the above consideration we agree promptly upon request of the Assignee,
 its successors or assigns, to execute and deliver without further compensation any
 power of attorney, assignment, application, whether original, divisional, continuation
 or reissue, or other papers which may be necessary or desirable fully to secure to the
 Assignee, its successors and assigns, the inventions and any of them described in said
 application and all patent rights therein, in the United States and in any country
 foreign thereto.

The undersigned hereby grant(s) the law firm of Dike, Bronstein, Roberts &
 Cushman 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
 U.S. Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, I, Yoshinori SHIRAISHI, hereunto set my
 hand and seal this 31st day of March, 1999, I, Hidetoshi
KANEKO, hereunto set my hand and seal this 31st day of March
 1999 and I, Yoshinori HAYASHI, hereunto set my hand and seal
 this 31st day of March, 1999.

Yoshinori Shiraishi
Hidetoshi Kaneke
YOSHINORI HAYASHI

Commonwealth [State] of _____ ss.
 County of _____

Before me this _____ day of _____, 19____, personally appeared
 _____, who is to me personally known, and acknowledged
 the foregoing instrument of assignment to be [her] his free act and deed.

 Notary Public

Commonwealth [State] of _____ ss.
 County of _____

Before me this _____ day of _____, 19____, personally appeared
 _____, who is to me personally known, and acknowledged
 the foregoing instrument of assignment to be [her] his free act and deed.

 Notary Public

*Where the application is assigned before it is filed,
 and hence has no Serial No., this shall be left blank.

A S S I G N M E N T

We Yasushi MATSUTOMO
Minoru TOMIYORI
 and _____
 for good and valuable consideration from SHARP KABUSHIKI KAISHA
 _____, a Japanese corporation,
 having its principal place of business in Osaka, Japan
 hereinafter called the Assignee, receipt of which is hereby acknowledged, do hereby
 sell, assign and transfer unto the Assignee, its successors and assigns, the entire
 right, title and interest in, to and under an application for Letters Patent of the
 United States Serial No. _____, filed on _____ * signed by us
 for Improvements in IMAGE FORMING DEVICE

including all priority rights ensuing therefrom, and the inventions and any of them
 therein set forth and described, and any and all Letters Patent of the United States
 and of countries foreign thereto which may be granted thereon or therefor, together
 with the right to apply for such Letters Patent.

And for the above consideration we agree promptly upon request of the Assignee,
 its successors or assigns, to execute and deliver without further compensation any
 power of attorney, assignment, application, whether original, divisional, continuation
 or reissue, or other papers which may be necessary or desirable fully to secure to the
 Assignee, its successors and assigns, the inventions and any of them described in said
 application and all patent rights therein, in the United States and in any country
 foreign thereto.

The undersigned hereby grant(s) the law firm of Dike, Bronstein, Roberts &
 Cushman 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
 U.S. Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, I, Yasushi MATSUTOMO, hereunto set my
 hand and seal this 31st day of March, 1999, I, Minoru
TOMIYORI, hereunto set my hand and seal this 31st day of March
 1999, and I, _____, hereunto set my hand and seal
 this _____ day of _____, 19__.

Yasushi Matsutomo
Minoru Tomiyori

Commonwealth [State] of _____ ss.
 County of _____

Before me this _____ day of _____, 19__, personally appeared
 _____, who is to me personally known, and acknowledged
 the foregoing instrument of assignment to be [her] his free act and deed.

 Notary Public

Commonwealth [State] of _____ ss.
 County of _____

Before me this _____ day of _____, 19__, personally appeared
 _____, who is to me personally known, and acknowledged
 the foregoing instrument of assignment to be [her] his free act and deed.

 Notary Public

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