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## 1. Name of conveying party(ies):

Koji KATAMOTO  
Yasuhiro NAKAI  
Masao SAEDA  
Tamotsu FUKUSHIMA

12.23.03

Additional names(s) of conveying party(ies)

☐ Yes ☒ No

## 3. Nature of conveyance:

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

Execution Date: December 4, 2003 (all inventors)

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

Name: Sharp Kabushiki Kaisha

Address: 22-22 Nagaike-cho, Abeno-ku, Osaka-shi

City: Osaka

State/Prov.:

Country: JAPAN

ZIP: 545-8522

Additional name(s) &amp; address(es)

☐ Yes ☒ No

## 4. Application number(s) or patent numbers(s):

\*If this document is being filed together with a new application, the execution date of the application is: December 4, 2003

Patent Application No.

Filing date

B. Patent No.(s)

10 745 734

Additional numbers

☐ Yes ☒ No

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

Name: David A. Tucker

Registration No. 27,840

Address: Edwards &amp; Angell, LLP

P.O. Box 9169

City: Boston

State/Prov.: MA

Country: Usa

ZIP: 02209

## 6. Total number of applications and patents involved:

1

## 7. Total fee (37 CFR 3.41):.....\$ 40.00

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## 8. Deposit account number:

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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 A. Tucker

Name of Person Signing

David A. Tucker

Signature

December 23, 2003

Date

3

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Docket No.

A S S I G N M E N T

I/We, Koji KATAMOTO, Yasuhiro NAKAI, Masao SAEDA and Tamotsu FUKUSHIMA (inventor), for good and valuable consideration from SHARP KABUSHIKI KAISHA (assignee), having its principal place of business at 22-22, Nagaike-cho, Abeno-ku, Osaka-shi, Osaka 545-8522 Japan (address) 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 \_\_\_\_\_ for improvements in the PRINTING METHOD, PRINTING SYSTEM AND IMAGE FORMING APPARATUS (title) 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 I/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 agree(s) to furnish all pertinent facts and documents relating to said application, said invention and said patent(s) as may be known and accessible to the undersigned, and will testify as to the same in any interference or litigation related thereto, and will promptly execute and deliver to Assignee any and all papers, instruments or affidavits necessary or desirable to apply for, obtain, maintain or enforce said application or said patent(s) in connection with any interference which may be declared, and any litigation concerning this application or any continuation, division or reissue thereof or Patent(s) or reissue patent(s) issued thereon, and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference or litigation.

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

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue any and all Letters Patents of the United States of America resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he or she has the full right to convey the entire interest herein assigned, and that he or she has not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grants Dike, Bronstein, Roberts & Cushman the Intellectual Property Group of Edwards & Angell, LLP of P.O. Box 9169, Boston, MA 02209, U.S.A. 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.

Date: December 4, 2003

Signature of Inventor: Koji Katamoto  
Name: Koji KATAMOTO

Date: December 4, 2003

Signature of Inventor: Yasuhiro Nakai  
Name: Yasuhiro NAKAI

Date: December 4, 2003

Signature of Inventor: Saeda Masao  
Name: Masao SAEDA

Date: December 4, 2003

Signature of Inventor: Tamotsu Fukushima  
Name: Tamotsu FUKUSHIMA

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