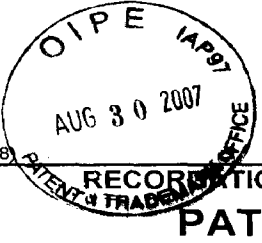


8-30-07



Form PTO-1595 (Rev. 08/05)
OMB No. 0651-0027 (exp. 6/30/2008)

09-06-2007

DEPARTMENT OF COMMERCE
Patent and Trademark Office



103442370

To the Director of the U.S. Patent and Trademark Office. Please receive the enclosed information at the following address(es) below.

1. Name of conveying party(ies):
Masaaki Ishikawa (06/22/2007), Takashi Saitoh (06/22/2007), Hiroshi Shimura (06/22/2007), Haike Guan (06/22/2007), and
Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)
Name: Ricoh Company, Ltd.
Internal Address: _____
Street Address: _____
3-6, Nakamagome 1-chome
Ohta-ku, Tokyo 143-8555
JAPAN
City: _____
State: _____
Country: _____ Zip: _____
Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance/Execution Date(s):
Execution Date(s): in parentheses after inventor name
 Assignment Merger Change of Name
 Security Agreement Joint Research Agreement
 Government Interest Assignment
 Executive Order 9424, Confirmatory License
 Other _____

4. Application or patent number(s): This document is being filed together with a new application.
A. Patent Application No.(s)
11/812,343
Additional numbers attached? Yes No

B. Patent No.(s)

 Yes No

5. Name and address to whom correspondence concerning document should be mailed:
Name: Mark J. Thronson
DICKSTEIN SHAPIRO LLP
Internal Address: Atty. Dkt.: R2184.0587/P0587
Street Address: 1825 Eye Street, NW

City: Washington
State: DC Zip: 20006-5403
Phone Number: (202) 420-4742
Fax Number: (202) 420-2201
Email Address: ThronsonM@dicksteinshapiro.com

6. Total number of applications and patents involved: 1
7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00
 Authorized to be charged by credit card
 Authorized to be charged to deposit account
 Enclosed
 None required (government interest not affecting title)

8. Payment Information
a. Credit Card Last 4 Numbers 1002
Expiration Date 01/11
b. Deposit Account Number _____
Authorized User Name _____

9. Signature:
[Signature] August 30, 2007
Signature Date
Mark J. Thronson - 33,082
Name of Person Signing
Total number of pages including cover sheet, attachments, and documents: 4

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09 FL:0621 (40.00 09)

DSMDB-2310795v01

**RECORDATION FORM COVER SHEET (PTO-1595)
(supplemental sheet)**

Additional Conveying Party(ies)/Execution Date(s) (1. Continued):

Taeko Ishizu (06/22/2007)

Additional Assignees (2. Continued):

Assignee Name: _____

Internal Address: _____

Street Address: _____

City: _____ State: _____ Country: _____ Zip: _____

Assignee Name: _____

Internal Address: _____

Street Address: _____

City: _____ State: _____ Country: _____ Zip: _____

Assignee Name: _____

Internal Address: _____

Street Address: _____

City: _____ State: _____ Country: _____ Zip: _____

Additional Applications and/or Patents (4. Continued):

Additional Patent Application Numbers
4A. Continued:

Additional Patent Numbers
4B. Continued:

Additional numbers attached?

Yes

No

ASSIGNMENT

THIS ASSIGNMENT, by MASAAKI ISHIKAWA, TAKASHI SAITOH, HIROSHI SHIMURA, HAIKE GUAN, and TAEKO ISHIZU (hereinafter referred to as "Assignors"), residing at Tokyo, Japan, Tokyo, Japan, Kanagawa, Japan, Kanagawa, Japan, and Saitama, Japan, respectively;

WHEREAS, Assignors have invented certain new and useful improvements in IMAGE PROCESSING APPARATUS AND IMAGE PROCESSING METHOD, set forth in a patent application for Letters Patent of the United States, executed concurrently herewith; and

WHEREAS, Ricoh Company, Ltd. (hereinafter referred to as "Assignee"), having offices at 3-6, Nakamagome 1-chome, Ohta-ku, Tokyo 143-8555 Japan, is desirous of acquiring the entire right, title and interest in and to said inventions and said application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefor and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefor and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and Assignment not been made.

AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will 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 any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said

inventions, or said patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignors hereby request the Director of the United States Patent and Trademark Office to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignors hereby grant the following individuals 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: All practitioners associated with Customer Number 24998 (Dickstein Shapiro LLP).

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

June 22, 2007
Date

Masaaki Ishikawa
MASAAKI ISHIKAWA

June 22, 2007
Date

Takashi Saitoh
TAKASHI SAITOH

June 22, 2007
Date

Hiroschi Shimura
HIROSHI SHIMURA

June 22, 2007
Date

Haike Guan
HAIKE GUAN

June, 22, 2007
Date

Taeko Ishizu
TAEKO ISHIZU

June 22, 2007
Date

[Signature]
Witness

June 22, 2007
Date

[Signature]
Witness