

3/23/05



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DEPARTMENT OF COMMERCE
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RECORDATION INFORMATION
PATENT



102968921

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):
Masaaki Ishikawa (11/22/2004), Takashi Saitoh (11/22/2004), Hiroshi Shimura (11/24/2004), and Haike Guan (11/22/2004)
Execution Date(s): in parentheses after inventor name
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:
 Assignment Merger
 Security Agreement Change of Name
 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)
10/982,976
03/25/2005 H01EYENE1 00000033 109&2976
04 FC:8021
40.00 Additional numbers attached? Yes No

B. Patent No.(s)
 Yes No

5. Name and address to whom correspondence concerning document should be mailed:
Name: Thomas J. D'Amico
DICKSTEIN SHAPIRO MORIN & OSHINSKY LLP
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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 1008
Expiration Date 02/28/06
b. Deposit Account Number _____
Authorized User Name _____

9. Signature:

Signature _____ Date March 23, 2005
Thomas J. D'Amico - 28,371
Name of Person Signing
Total number of pages including cover sheet, attachments, and documents: 8

ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, by Masaaki Ishikawa; Takashi Saitoh; Hiroshi Shimura; and Haike Guan (hereinafter referred to as Assignors), residing at c/o Ricoh Company, Ltd., 3-6, Nakamagome 1-chome, Ohta-ku, Tokyo, 143-8555, JAPAN, respectively;

WHEREAS, Assignors have invented certain new and useful improvements in METHOD, COMPUTER PROGRAM, AND APPARATUS FOR DETECTING SPECIFIC INFORMATION INCLUDED IN IMAGE DATA OF ORIGINAL IMAGE WITH ACCURACY, AND COMPUTER READABLE STORING MEDIUM STORING THE PROGRAM, set forth in a Patent application for Letters Patent of the United States, already filed on November 8, 2004 as U.S. Application No. 10/982,796; and

WHEREAS, Ricoh Company, Ltd., a corporation organized under and pursuant to the laws of Japan having a place of business at Ricoh Company, Ltd., 3-6, Nakamagome 1-chome, Ohta-ku, Tokyo, 143-8555, JAPAN (hereinafter referred to as Assignee), 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 therefore 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 including all rights of priority, 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 Commissioner of Patents and Trademarks 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:

DICKSTEIN SHAPIRO MORIN & OSHINSKY LLP

All practitioners at Customer Number 24998

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

November 22, 2004
Date

Masaaki Ishikawa
Masaaki Ishikawa

Witness:

Date

Witness:

Date

Nov. 22, 2009
Date

Takashi Saitoh
Takashi Saitoh

Witness:

Date

Witness:

Date

Nov. 24, 2004
Date

Hiroshi Shimura
Hiroshi Shimura

Witness:

Date

Witness:

Date

Nov. 22, 2004
Date

Haiké Guan
Haiké Guan

Witness:

Date

Witness:

Date