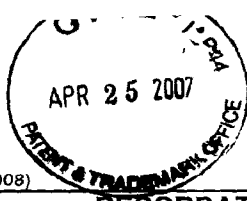


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Form PTO-1595 (Rev. 08/05)
OMB No. 0651-0027 (exp. 6/30/2008)

04-30-2007

DEPARTMENT OF COMMERCE
Patent and Trademark Office

RECORD
PATENT



103400363

To the Director of the U.S. Patent and Trademark Office... forward the attached documents to the new address(es) below.

1. Name of conveying party(ies):
Pioneer Corporation

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. Nature of conveyance/Execution Date(s):
Execution Date(s): March 9, 2007 and March 15, 2007
 Assignment Merger Change of Name
 Security Agreement Joint Research Agreement
 Government Interest Assignment
 Executive Order 9424, Confirmatory License
 Other _____

No. 3-6 Nakamagome 1-chome, Ohta-ku
City: Tokyo
State: _____
Country: Japan Zip: _____
Additional name(s) & address(es) attached? Yes No

4. Application or patent number(s):
A. Patent Application No.(s)

Additional numbers attached? Yes No

This document is being filed together with a new application.
B. Patent No.(s)
5,999,694
5,862,118
6,747,920
 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.: R2184.0602, .603, .604
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:
7. Total fee (37 CFR 1.21(h) & 3.41) \$ 120.00
 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 04-1073
Authorized User Name Dickstein Shapiro LLP

9. Signature:
[Signature] April 16, 2007
Signature Date

Mark J. Thronson - 33,082 Total number of pages including cover sheet, attachments, and documents:
Name of Person Signing

04/25/2007 MARREDI 00000154 5999694
01 FC:8021 120.00

DSMDB-2244507v01

ASSIGNMENT

WHEREAS, PIONEER CORPORATION (hereinafter ASSIGNOR), a corporation duly organized and existing under the laws of the Country of Japan and doing business at No. 4-1 Meguro 1-chome, Meguro-ku, Tokyo-to, Japan, and having been assigned all right, title and interest in certain inventions on the attached Exhibit A;

WHEREAS, ASSIGNOR hereby confirms that ASSIGNOR has the full right to convey its rights, as herein expressed, to the said applications and patent and the inventions embodied therein;

AND WHEREAS, RICOH COMPANY, LTD., (hereinafter ASSIGNEE), a corporation duly organized and existing under the law of the Country of Japan and doing business at No. 3-6 Nakamagome 1-chome, Ohta-ku, Tokyo-to, Japan, is desirous of acquiring all of ASSIGNOR'S interest therein;

NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNOR by these presents hereby sells, assigns, and transfers unto the said ASSIGNEE, its successors, assigns, and legal representatives, its full and exclusive right to the said applications and patent and the inventions embodied therein in the United States including the right to sue and collect damages and any other available relief for past, present, and future infringement, and any and all rights to reissue or re-examination or extension.

Executed this 09 day of MARCH, 2007.

PIONEER CORPORATION

By: [Signature]
 Name: KAZUMI KURIYAMA
 Title: EXECUTIVE OFFICER

Executed this 15 day of MARCH, 2007.

RICOH COMPANY, LTD.

By: [Signature]
 Name: YUTAKA FBI
 Title: Corporate Vice President

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EXHIBIT A

<u>Patent No.</u>	<u>Issue Date</u>	<u>Inventor</u>
5,999,694	December 7, 1999	Yasuda et al
5,862,118	January 19, 1999	Takahashi
6,747,920	June 8, 2004	Denda et al

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