

FORM PTO-1595 (Modified)  
(Rev. 6-93)  
OMB No. 0651-0011 (exp. 4/94)  
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FORM COVER SHEET

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U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

JUN 14

To the Honorable Commissioner, U.S. Patent and Trademark Office, record the attached original documents or copy thereof.

1. Name of conveying party(ies):  
Masajiro Iwasaki and Yingjeh Huang

Name and address of receiving party(ies):

Name: Ricoh Company, Ltd.

Internal Address:

Additional names(s) of conveying party(ies)  Yes  No

3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other

Street Address:

City: Tokyo, Japan State: ZIP:

Execution Date: February 17, 1999

Additional name(s) & address(es) attached?  Yes  No

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

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

B. Patent No.(s)

09/111,458

Additional numbers attached?  Yes  No

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

Name: Ken I. Yoshida

Internal Address: KNOBLE & YOSHIDA LLC

Street Address: Eight Penn Center, Suite 1350

1628 John F. Kennedy Blvd.

City: Philadelphia State: PA ZIP: 19103

6. Total number of applications and patents involved: 1

7. 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:

50-0462

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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.

Ken I. Yoshida

Name of Person Signing

*[Signature]*  
Signature

June 8, 1999

Date

Total number of pages including cover sheet, attachments, and document:

1

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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):  
**Masajiro Iwasaki and Yingjie Huang**

Additional names(s) of conveying party(ies)  Yes  No

2. Name and address of receiving party(ies):  
Name: **Ricoh Company, Ltd.**  
Internal Address: \_\_\_\_\_  
Street Address: \_\_\_\_\_  
City: **Tokyo, Japan** State: \_\_\_\_\_ ZIP: \_\_\_\_\_

Additional name(s) & address(es) attached?  Yes  No

3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_

Execution Date: \_\_\_\_\_

4. Application number(s) or registration numbers(s):  
If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s)  
**09/111,458**

B. Patent No.(s)

**02/23/1999 SBURMS 00000174 09111458**  
**01 FC:581 40.00 OP**

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:  
Name: **Ken I. Yoshida**  
Internal Address: **KNOBLE & YOSHIDA LLC**  
Street Address: **Eight Penn Center, Suite 1350**  
**1628 John F. Kennedy Blvd.**  
City: **Philadelphia** State: **PA** ZIP: **19103**

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**Ken I. Yoshida**  
Name of Person Signing

Signature

**February 17, 1999**  
Date

Total number of pages including cover sheet, attachments, and document: **1**

DOCKET NO.: RCOH-1004

**ASSIGNMENT**

WHEREAS, we Masajiro Iwasaki and Yingjie Huang, hereinafter referred to as the assignors, residing respectively at Hiyoshi Taun Hausu 7-1-1 Hiyoshi Kohou-ku, Yokohama, Kanagawa Japan and 12-15-304 Nagasaka Tsuzuki-ku, Yokohama Kanagawa, Japan are the joint inventors of certain inventions or improvements for which we have made application for Letters Patent to the United States, identified as Serial No. 09/111,458, filed July 7, 1998, entitled METHOD OF AND A SYSTEM FOR GENERATING MULTIPLE-DEGREED DATABASE FOR IMAGES; and

WHEREAS, Ricoh Company, Ltd. hereinafter referred to as the assignee, of **3-6, 1-chome Nakamagome, Ota-ku, Tokyo, JAPAN**, a corporation of **JAPAN**, is desirous of acquiring the entire right, title and interest in and to the said inventions or improvements and in and to the said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in any and all countries:

NOW, THEREFORE, for and in consideration of the sum of One Dollar (\$1.00) to each of us in hand paid by said assignee, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said assignors, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over to said assignee, the entire right, title and interest in and to said inventions or improvements and said application and any and all continuations, divisions and renewals of and substitutes for said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in the United States and any and all other countries, and any reissue or reissues or extension or extensions of said Letters Patent, and assign to and authorize said assignee, to file in our names applications for Letters Patent in all countries, the same to be held and enjoyed by said assignee, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by us had this assignment, sale and transfer not been made.

## Joint Inventors

AND we hereby covenant that we have full right to convey the entire interest herein assigned, and that we have not executed and will not execute any agreement in conflict herewith, and we further covenant and agree that we will each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said inventions or improvements, said application and said Letters Patent to said assignee, its successors, assigns, nominees, or legal representatives, and each of us agrees to communicate to said assignee or to its nominee all known facts respecting said inventions or improvements, said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisional, continuing, reissue and foreign applications, to make all rightful oaths, and generally to do everything possible to aid said assignee, its successors, assigns, nominees and legal representatives to obtain and enforce for its or their own benefit proper patent protection for said inventions or improvements in any and all countries.

AND we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to said assignee, as assignee of the entire right, title and interest, any and all Letters Patent for said inventions or improvements, including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

IN WITNESS WHEREOF, we have hereunto set our hands and seals.

Masajiro Iwasaki (L.S.)  
Masajiro Iwasaki

Yingjieh Huang (L.S.)  
Yingjieh Huang