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FORM PTO-1595  
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1. Name of conveying party(ies):

Toshio MIYAZAWA, Michiyoshi TACHIKAWA  
and Mayumi NISHIMURA

Additional name(s) of conveying party(ies) attached?  
 Yes  No

3. Nature of Conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other \_\_\_\_\_

Execution Date: March 17, 14, 20, 1997

Name and address of receiving party(ies):

Name: RICOH COMPANY, LTD.

Address: 15-5, Minami-Aoyama 1-chome,  
Minato-ku, Tokyo 107, JAPAN

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

12-10-99

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

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

A. Patent Application No.(s)

08/811,540

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.  
Attorneys at Law  
Fourth Floor  
1755 Jefferson Davis Highway  
Arlington, Virginia 22202

6. Total number of applications and patents involved:

1

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

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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.

Marvin J. Spivak  
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12-10-99  
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PATENT  
REEL: 010455 FRAME: 0166

# Assignment Of Application

WHEREAS, I (WE) TOSHIO MIYAZAWA

1362-9, Maginu, Miyamae-ku

Kawasaki-shi, Kanagawa, JAPAN

INSERT NAMES  
AND RESIDENCE  
ADDRESSES OF  
THE INVENTORS:

MICHIYOSHI TACHIKAWA

1352-24, Shinbashi, Izumi-ku

Yokohama-shi, Kanagawa, JAPAN

MAYUMI NISHIMURA

#103, 4581-1-2, Naruse,

Machida-shi, Tokyo, Japan

\_\_\_\_\_, respectively,

INSERT TITLE  
OF INVENTION:

have invented certain new and useful improvements in: IMAGE RECOGNITION METHOD

AND APPARATUS USING IMAGE ROTATION INFORMATION,

INSERT DATE IN-  
VENTORS SIGNED  
DECLARATION:

for which an application for Letters Patent was executed on March 14, 17, and 20, 1997

(Application No. 08/811,540, filed March 4, 1997), and

INSERT NAME  
AND ADDRESS OF  
COMPANY OR  
OTHER ASSIGNEE:

WHEREAS, RICOH COMPANY, LTD.

(hereinafter referred to as "ASSIGNEE") having a place of business at: 15-5, Minami-Aoyama

1-chome, Minato-ku, Tokyo 107, JAPAN,

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of Fourth Floor, 1755 Jefferson Davis Highway, Arlington, Virginia 22202 the power to insert on this assignment any further identification, including the application number and filing date, 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.

Date: March 17, 1997

Toshio Miyazawa  
(Signature of Inventor) TOSHIO MIYAZAWA

Date: March 14, 1997

Michiyoshi Tachikawa  
(Signature of Inventor) MICHYOSHI TACHIKAWA

Date: March 20, 1997

Mayumi Nishimura  
(Signature of Inventor) MAYUMI NISHIMURA

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

\_\_\_\_\_  
(Signature of Inventor)

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

\_\_\_\_\_  
(Signature of Inventor)

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

\_\_\_\_\_  
(Signature of Inventor)

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

\_\_\_\_\_  
(Signature of Inventor)

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

\_\_\_\_\_  
(Signature of Inventor)

**OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.**  
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ARLINGTON, VIRGINIA 22202