03-31-2005



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To the Director of the United States Patent and Trademark Office. Pl	ease record the attached original documents or copy thereof.
1. Name of conveying party(ies): Nekka MATSUURA, Hisashi SHOJI, Satoshi OUCHI, Katsuaki MIYAWAKI, Osamu SATOH, Masaaki YAMADA, Shuji HIRAI, Yoshinori NAKAGAWA, Yasushi NAKAZATO, Tomoko TAKAHASHI, Takashi SETO, Seiji HOSHINO Additional name(s) of conveying party(ies) attached? ☐ Yes ■ No	Name and address of receiving party(ies): Name: RICOH COMPANY, LTD. Address: 3-6, 1-chome Nakamagome, Ota-ku, Tokyo, Japan
3. Nature of Conveyance: Assignment □ Merger □ Security Agreement □ Change of Name □ Other Execution Date: December 1, 2, 6, 6, 2, 3, 2, 6, 3, 6, 6, 6, 2004	Additional name(s) and address(es) attached? □ Yes ■ No
4. Application number(s) or patent number(s):	'
☐ This document is being filed together with a new application	
A. Patent Application No.(s) 10/986,781	B. Patent No.(s)
Additional numbers attached	ed? ☐ Yes ■ No
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total applications and patents involved: 1
Customer Number 22850 Tel. (703) 413-3000 Fax. (703) 413-2220	7. Total fee (37 CFR 3.41): \$40.00 ■ Enclosed □ Authorized to be charged to deposit account 8. Deposit account number: 15-0030 (Attach duplicate copy of this page if paying by deposit account)
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9. Statement and signature To the best of my knowledge and belief, the foregoing information copy of the original document. Marvin J. Spivak Name of Person Signing Joseph Scar Registration Number: 24,913 Total number of pages including	MAR 2 8 2005 Date Date Date 1, 2, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3,
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Mail documents to be recorded with required cover sheet information Director of the United States Pat Mail Stop Assignment Re Alexandria, Virg 29/2005 EEKUBAY1 00000020 10986781 40.00 0F	ent and Trademark Office ecordation Services

Assignment of Application

Page 1 of 2

•	WHEREAS, I (WE) Nekka Matsuura, Hisashi Syouji, Satoshi Ouchi, Katsuaki Miyawaki,			
	Osamu, Satoh, Masaaki Yamada, Shuji Hirai, Yoshinori Nakagawa, Yasushi Nakazato,			
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•	Yamada, Tsuzuki-ku, Yokohama-shi, Kanagawa, Japan; 3-31-12, Ryokuen, Izumi-ku,			
	Yokohama-shi, Kanagawa, Japan and 3-12-1-501, Morinosato, Atsugi-shi, Kanagawa,			
	Japan			
	, respectively,			
TITLE ENTION:	have invented certain new and useful improvements in: "ABNORMALITY DETERMINING METHOD, AND			
	ABNORMALITY DETERMINING APPARATUS AND IMAGE FORMING APPARATUS USING SAME"			
DATE IN- RS SIGNED RATION:	for which an application for Letters Patent was executed on			
•	(Application No. 10/986,781 , filed November 15, 2004), and			
NY OR	WHEREAS, Ricoh Company, Ltd.			
	(hereinafter referred to as "ASSIGNEE") having a place of business at:			
	3-6, 1-chome Nakamagome, Ota-ku, Tokyo, Japan			
ORS SIGNED ARACTION: CITNAME ADDRESS OF PANY OR R ASSIGNEE	(Application No. 10/986, 781 , filed November 15, 2004), and WHEREAS, Ricoh Company, Ltd. (hereinafter referred to as "ASSIGNEE") having a place of business at:			

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.

03/03

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 1940 Duke Street Alexandria, Virginia 22314 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:	December 1, 2004	Rekkie maturina (Signature of Inventor)
	December 2, 2004	(Signature of Inventor)
Date:	December 6. 2004	Satoshi Ouchi (Signature of Inventor)
Date:	December 6, 2004	Katsuaki Miyawaki (Signature of Inventor)
Date:	December 2, 2004	Osamu Satah (Signature of Inventor)
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	December 6, 2004	Tonoko Takahashi (Signature of Inventor)
Date:	December 6. 2004	Jahashi Leto (Signature of Inventor)
Date:	December 6, 2004.	(Signature of Inventor) (Signature of Inventor)

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RECORDED: 03/28/2005

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