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Atty Docket No.:

FORM PTO-1595 MMD 3.19.01

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07-03-2001



U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office PA 101745892 To the Honorable Commissioner of Patents and Tradeniums. I reason congruents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): Fumio YOSHIZAWA, Takeharu TONE, Hideto MIYAZAKI, RICOH COMPANY, LTD. Name: Yoshiyuki NAMIZUKA, Hiroyuki KAWAMOTO, Sugitaka OTEKI, Rie ISHII, Hiroaki FUKUDA, Yuji TAKAHASHI, Address: 3-6, Nakamagome 1-chome, Ohta-ku Shinya MIYAZAKI and Yasuyuki NOMIZU TOKYO 143-8555 JAPAN Additional name(s) of conveying party(ies) attached? □Yes ■No 3. Nature of Conveyance: MAR 1 9 200 □ Merger ■ Assignment □ Security Agreement □ Change of Name □ Other February 8, 2001 Additional name(s) and address(es) attached? □Yes ■No Execution Date: 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: B. Patent No.(s) A. Patent Application No.(s) 09/748,240 Additional numbers attached? □Yes ■No 1 6. Total applications and patents involved: 5. Name and address of party to whom correspondence concerning document should be mailed: 7. Total fee (37 CFR 3.41): \$40.00 ■ Enclosed ☐ Authorized to be charged to deposit account 22850 15-0030 8. Deposit account number: (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE 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 Name of Person Signing Joseph A. Scafetta, Jr. 24,913 Registration Number: Total number of pages including this Do not detach this portion Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks **Box Assignments** Washington, D.C. 20231

PATENT REEL: 11710 FRAME: 0601

Assignment Of Application

Page 1 of 2

	WHEREAS, I (WE) Fumio YOSHIZAWA, Takeharu TONE,				
INSERT NAMES	Hideto MIYAZAKI, Yoshiyuki NAMIZUKA, Hiroyuki KAWAMOTO,				
AND RESIDENCE ADDRESSES OF THE INVENTORS:	Sugitaka OTEKI, Rie ISHII, Hiroaki FUKUDA, Yuji TAKAHASHI,				
	Shinya MIYAZAKI and Yasuyuki NOMIZU of				
	c/o Richo Co., Ltd., 3-6, Nakamagome 1-chome, Ohta-ku,				
	TOKYO 143-8555 JAPAN				
	, respectively,				
INSERT TITLE	have invented certain new and useful improvements in: A METHOD AND APPARATUS				
OF INVENTION:	FOR IMAGE PROCESSING, AND A COMPUTER PRODUCT				
INSERT DATE IN- VENTORS SIGNED	for which an application for Letters Patent was executed on				
DECLARATION:	(Application No, filed				
INSERT NAME	WHEREAS,RICOH COMPANY, LTD.				
AND ADDRESS OF COMPANY OR OTHER ASSIGNEE:	(hereinafter referred to as "ASSIGNEE") having a place of business at: 3-6, Nakamagome				
	TOKYO 143-8555 JAPAN				
	1-chome, Ohta-ku, TORTO 143 5355 and to said invention and in and to any 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 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, continua-

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tions, substitutions and renewals thereof.

PATENT REEL: 11710 FRAME: 0602 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.

Data	Feb.	8,	2001	(Signature of Inventor)
				(Signature of Inventor) Fumio YOSHIZAWA
Date:	Feb.	8,	2001	Takeharn Jone
Date				(Signature of Inventor) Takeharu TONE
Date	Feb.	8,	2001	Wideto Iniyazaki (Signature of Inventor) Hideto MIYAZAKI
	Feb.	8,	2001	Yashingles Chamiche
Date:_				(Signature of Inventor) Yoshiyuki NAMIZUKA
	Feb.	8,	2001	(Signature of Inventor) Hiroyuki KAWAMOTO
Date:_				
	Feb.	8,	2001	Svojtaka Otoki
Date:_				(Signature of Inventor) Sugitaka OTEKI
	Feb.	8,	2001	Rie Islin
Date:	Feb.			(Signature of Inventor) Rie ISHII Autoup Juhnda
Date:	Teb.			(Signature of Inventor) Hiroaki FUKUDA
	Feb	8.	2001	(Signature of Inventor) Yuji TAKAHASHI
Date:				(Signature of Inventor) Yuji TAKAHASHI
	Feb.	8,	2001	Shinya Miyazaki
Date:				(Signature of lavencor) Shinya MIYAZAKI
	Feb.	. 8,	2001	Granda nomen
Date				(Signature of Inventor) Yasuyuki NOMIZU
Date	·			(Signature of Inventor)

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.
ATTORNEYS AT LAW

FOURTH FLOOR 1755 JEFFERSON DAVIS HIGHWAY ARLINGTON, VIRGINIA 22202

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PATENT REEL: 11710 FRAME: 0603