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09-25-2003



U.S. DEPARTMENT OF COMMERCE
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To the Director of the United States Patent and Trademark ine attached original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): Satoshi MURAMATSU, Nobuo KASAHARA, Nobuo IWATA and Name: RICOH COMPANY, LTD. Junichi MATSUMOTO Address: 1-6-3, Nakamagome, Ohta-ku, Tokyo, JAPAN Additional name(s) of conveying party(ies) attached? \(\subseteq\) Yes \(\boxed{\omega}\) No 3. Nature of Conveyance: Assignment ☐ Merger ☐ Security Agreement ☐ Change of Name ☐ Other Execution Date: June 25, 2003 Additional name(s) and address(es) attached?

Yes No 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) B. Patent No.(s) 10/440,098 Additional numbers attached?

Yes 5. Name and address of party to whom correspondence 6. Total applications and patents involved: 1 concerning document should be mailed: 7. Total fee (37 CFR 3.41): \$40.00 Customer Number Enclosed ☐ Authorized to be charged to deposit account Tel. (703) 413-3000 8. Deposit account number: 15-0030 Fax. (703) 413-2220 (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. Registration Number: 24,913 Registration No. 26,803 Total number of pages including this cover sheet: 3 09/24/2003 DBYRNE 00000049 10440098 40.00 OP 01 FC:8021

> Director of the United States Patent and Trademark Office Mail Stop Assignment Recordation Services Alexandria, Virginia. 22313

Mail documents to be recorded with required cover sheet information to:

PATENT REEL: 014508 FRAME: 0229

Assignment of Application

NAMES	WHEREAS, I (WE) Satoshi MURAMATSU residing at Tokyo-to, JAPAN		
RESIDENCE LESS OF NVENTORS:	Nobuo KASAHARA residing at Kanagawa-ken, JAPAN		
VENTORS:	Nobuo IWATA residing at Kanagawa-ken, JAPAN		
	Junichi MATSUMOTO residing at Kanagawa-ken, JAPAN		
	, respectively		
TITLE OF TION:	have invented certain new and useful improvements in: TONER, TONER CONVEYING APPARATUS AND		
	METHOD, AND IMAGE FORMING APPARATUS		
DATE ORS SIGNED	For which an application for Letters Patent was executed on		
RATION:	(Application No. 10/440,098 , filed MAY 19, 2003), and		
	WHEREAS, RICOH COMPANY, LTD.		
NAME DRESS OF			
NY OR	(hereinafter referred to as "ASSIGNEE") having places of business at: 1-4-3, Nakamagome, Ohta-ku, Tokyo, JAPAN		

(hereinafter referred to as "ASSIGNEE") having places of business at: 1-4-3, Nakamagome, Ohta-ku, Tokyo, 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.

10/01

PATENT REEL: 014508 FRAME: 0230 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: June 25, 2003	Satoshi' Muramatsu	
	(Signature of Inventor) Satoshi MURAMATSU	
Date: June 25, 2003	Robus Kasehara	
	(Signature of Inventor) Nobuo KASAHARA	
Date: June 25, 2003	26 du o la cuata	
	(Signature of Inventor) Nobuo IWATA	
Date:fune 25.2003	Junishi mateumoto	
	(Signature of Inventor) Junichi MATSUMOTO	
Date:		
	(Signature of Inventor)	
Date:		
	(Signature of Inventor)	

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.

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PATENT REEL: 014508 FRAME: 0231