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U.S. PTO 12/654748 12/30/2009

Atty. Docket No.: 6164-000359/U

Page 1 of

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ON FORM COVER SHEET

To the Honorable Commission Please record the attached original and the standard original and th		
1. Name of conveying party(ies):	2. Name and address of receiving party(ies)	
Noriaki FUNAMOTO	Name: RICOH COMPANY, LIMITED	
Yasuhisa EHARA	Street Address: 3-6, Nakamagome 1-chome	
Tetsuji NISHIKAWA	City: Ohta-ku	State: Tokyo
Yasuhiro MAEHATA	Country: JAPAN	Postal Code: 143-8555
Jun YASUDA		
Additional name(s) of conveying party(ies) attached? YES NO	Additional name(s) & address(es) attached? YES NO	
3. Nature of conveyance:		
Assignment		
☐ Change of Name ☐ Other:		
Execution Date: December 24, 2009; December 24, 2009; December 24, 2009; December 24, 2009; December 24, 2009	12654748	
 Application number(s) or patent number(s): If this document is being filed together with a new application December 24, 2009; December 24, 2009 A. Patent Application No(s). 		
Additional numbers atta		
5. Name and address of party to whom correspondence concerning document should be mailed:	 6. Total No. of applications/patents involved: One (1) 7. Total fee (37 C.F.R. § 3.41): \$40.00 Enclosed Authorized to be charged to deposit account, if no fee attached. 8. Deposit account number: 08-0750 	
Name: HARNESS, DICKEY & PIERCE, P.L.C.		
Street Address: P.O. BOX 8910		
City: RESTON State: VA ZIP: 20195		
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9. Statement and signature. To the best of my knowledge and belief, the foregoing is copy of the original document.	XX	and any attached copy is a true
John A. Castellano, Reg. No. 35,094 Name of Person Signing/Reg. No.	Signature	December 30, 2009 Date
Total number of pages including cover	er sheet attachments and documents	nent: 2

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PATENT REEL: 023765 FRAME: 0449

U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (hereinafter, "ASSIGNOR") by (Insert Name(s) & Address(es) of ASSIGNEE(S))	(\$1.00), and of other good and valuable consi	deration paid to the undersigned inventor(s)
RICOH COMPANY, LIMITED		
3-6, Nakamagome 1-chome, Ohta-ku, Tokyo 143-8	3555 JAPAN	
		· · · · · · · · · · · · · · · · · · ·
(hereinafter, "ASSIGNEE"), the receipt of which is ASSIGNEE the entire and exclusive right, title and i (Title of Invention)		GNOR hereby sells, assigns and transfers to
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relating to International Patent Application PCT/JP_executed on even date herewith or, if not so executed	/ and/or for which application d, was:	for Letters Patent of the United States was
(a) executed on	(Insert date of execution of ap	plication, if not concurrent)
(h) filed on	, , , , , , , , , , , , , , , ,	· · · · · · · · · · · · · · · · · · ·
(b) filed on Serial No. /	Assignee's attorney is here	eby authorized to insert in (b) the specified
and to said application and all Letters Patent(s) of the substitute, reissue or reexamination application based including any extensions thereof (collectively, herein	i thereon, for the full term or terms for which the	he said Letters Patent(s) may be granted and
The ASSIGNOR agree(s), when requested by said which the ASSIGNEE may deem necessary, desirably including in the preparation and prosecution of said a reexamination, or public use proceeding, and in any light acts to include but not be limited to executing all pages sworn testimony, and obtaining and producing evide	le or expedient, for securing, maintaining and application(s) and the issuance of said Letters itigation or other legal proceeding which may a pers, including separate assignments and decla	enforcing protection for said invention, Patent(s), in any interference, reissue, arise or be declared in relation to same, such
IN WITNESS WHEREOF, the undersigned inver	ntor(s) has (have) affixed his/her/their signatur	re(s).
1) Noriaki Tunamoto	Noriaki FUNAMOTO	Dec. 24, 2009
1) Noriaki Tunamoto (Signature) 2) Yasuhasa Ehara.	(Type Name)	(Date)
2) Yosuhisa Ehara.	Yasuhisa EHARA	Dec. 24, 2009
(Signature)	<i>(Type Name)</i> Tetsují NISHIKAWA	(Date)
(Signature)	(Type Name)	Dec. 24, 2009 (Date)
4) Masuhiro Machata	Yasuhiro MAEHATA	Dec. 24, 2009
(Signature)	(Type Name)	(Date)
5) Structure Structure	Jun YASUDA	Dec. 24, 2009

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PATENT REEL: 023765 FRAME: 0450