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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copies thereof: 1. Name of Conveying Party or Parties: 2. Name and address of receiving party or parties: 1. Satoshi WATANABE 2. Kazuma AOKI Brother Kogyo Kabushiki Kaisha 15-1 Naeshiro-cho, Mizuho-ku Kiyotaka OHARA Nagoya-shi, Aichi-ken 467-8561 4. Makoto MATSUDA Additional Names of conveying party or parties attached? **JAPAN** ☐ Yes ■ No Additional Name(s) and address(es) attached? 

Yes 3. Nature of Conveyance: Assignment Merger Security Agreement Change of Name Other Execution Date: 1.-3. August 25, 2006, 4. August 24, 2006 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: August 24, 2006 & August 25, B. Patent Number(s): A. Patent Application Number(s): N/A N/A Additional Numbers attached? 

Yes No 5. Name and address of party to whom correspondence 6. Total Number of Applications and patents involved: concerning the document should be mailed: 7. Total fee (37 CFR 3.41) ..... \$ 40.00 Enclosed Joseph M. Potenza Authorized to be charged to deposit account' Banner & Witcoff, Ltd. Please charge or credit our deposit account for any 1001 G Street, N.W., Suite 1100 additional or refunded fees associated with recording this Washington, D.C. 20001-4597 assignment 11513146 8. Deposit Account No.: 19-0733 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 telegoing information is true and correct and any attached copy is a telegoing information is true and correct and any attached copy is a telegoing information is true and correct and any attached copy is a telegoing information is true and correct and any attached copy is a telegoing information in true and correct and any attached copy is a telegoing information in true and correct and any attached copy is a telegoing information in true and correct and any attached copy is a telegoing information in true and correct and any attached copy is a telegoing information in true and correct and any attached copy is a telegoing information in true and correct and any attached copy is a telegoing information in the contract and any attached copy is a telegoing information in the contract and any attached copy is a telegoing information in the contract and any attached copy is a telegoing information in the contract and any attached copy is a telegoing in the copy i the original document. euy V. federall Gary D. Fedorochko, Reg. No. 35,509 August 31 Name of Person Signing Date Total Number of Pages including Cover Sheet: 3

			A	SSIGNMENT		
		(1)	Satoshi WATANABE	(5)		
(1-8)	Insert	(2)	Kazuma AOKI	(6)		
	Name(s) of inventor(s)	(3)	Kiyotaka OHARA	(7)		
		(4)	Makoto MATSUDA	(8)		
				dollar (\$1.00) and other good and valua gned agree(6) to assign, and hereby doe	<del>-</del>	
(9)	insert Name of Assignee	(9)	BROTHER KOGYO KABUSHIKI	KAISHA		
(10)	Insert Address of Assignee	(10)	15−1 Nasshiro-cho, Mizuho-ku, Nagoya—shi, Aichi—ken 467-8561, Japan			
			as defined in 35 U.S.C. §100, in the provisional, non-provisional, divisional	ee) the entire right, title and interest for the invention, and in all applications for pa , continuation, substitute, and reissue apprination cartificates that may be granted a	tent including any and piloation(s), and all Lette	
(11)	Insert Identification of Invention	(11)	IMAGE PROCESSING APPAR	ATUS AND PROGRAM PRODUC	Υ	
	such as Title, Case Number, or Foreign					
	Application Numbe		(Attorney Docket No.	4		
			for which the undersigned has (have) e	executed an application for patent in the Ur	lited States of America	
(12)	Insert Date of Signing of Application	(12)	on Aug. 25, 900	6		
(13)	Alternative Identification for filed applications	(13)	U.S. application Serial Number			
application any application any application of the control of the	applications for the in ons and patents as the 2). The undersigned ication or continuations in every way possible 3). The undersigned or provisions of the line 4). The undersigned nation a grant of a validation of a validation of the undersigned is utiling from said appleto convey the entire in 6). The undersigned is the undersigned is the undersigned of this document.	ventio e Assignation agree or div e in ob- agree d Unite hereb lication terest f here ecessi	n, and any patent(s) issuing thereon, a prees may deem necessary.  (s) to execute all papers necessary in a sion thereof, or any patent or reissue attaining evidence and going forward with (s) to execute all papers and documental Convention for Protection of Industrial Convention (s) to perform all affirmative acts which it is the said Assignee, as Assignee therein assigned, and that he has (they by grant(s) the firm of Banner & Wary or desirable in order to comply with	ts and perform any act which may be near Property or similar agreements. The may be necessary to obtain, maintain issioner of Patents to issue any and all Lefof the entire interest, and hereby covenant have) not executed, and will not execute, a litcoff, LTD the power to insert on this in the rules of the United States Patent and Patent an	s in connection with surely be declared concerning and to cooperate with the cessary in connection with or confirm by reissue exters Patents of the United that he has (they have any agreements in confirm any furth	
	4		ed by the undersigned on the date(s	opposite the undersigned name(s).		
Date	Ang .25	200	6 Name of Inventor	Satoshi Watanalee	(SEAL)	
Date	Aug. 25.	200	Name of Inventor	Saxoshi Watanalee Kanuma achi Kiyotaka Ohara	(SEAL)	
Date	ang 25	12	Name of Inventor	Kiyotaka Ohara	(SEAL)	
Date			Name of Inventor		(SEAL)	
Date			Name of Inventor		(SEAL)	
Date			Name of Inventor		(SEAL)	

Name of Inventor

PATENT REEL: 018257 FRAME: 0812

(SEAL)

**ASSIGNMENT** (5) Satoshi WATANABE **(6)** (1-0)insert Kazuma AOKI Name(s) (7)of inventor(\*) Kiyotaka OHARA (8) Makoto MATSUDA In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to seeign, and hereby does masign, transfer and set over to Insert Nume of **(B)** BROTHER KOGYD KABUEHIKI KAISHA Assignée (10) Insert Address 15-1 Nasshiro-cho, Mizuho-ku, Nagoya-shi, Aichi-ken 467-8561, Japan of Assigned . (hereinafter designated as the Assignee) the entire right, title and interest for the United States of America as defined in 35 U.S.C. §100, in the Invention, and in all applications for petent including only and all provisional, non-provisional, divisional, continuation, substitute, and relesses application(s), and all Letters Patent, extensions, releases and recommination certificates that May be granted on the invention known as (11) insert (11) IMAGE PROCESSING APPARATUS AND PROGRAM PRODUCT Identification of invention auch as Title, Cass Number, or Foreign (Attorney Docket No. Application Number for which the undersigned has (have) executed an application for patent in the United States of America (12)insert Date of Signing of (12)Application U.S. application Serial Number Alternative {13} Identification for filed applications 1) The undersigned agree(s) to execute all papers necessary in connection with any application and any continuing, divisional or reissue applications for the invention, and any patent(s) issuing thereon, and also to execute separate assignments in connection with such applications and patents as the Assignate may deem necessary. 2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning any application or commutation or division thereof, or any patent or raissus application based thereon, for the invention, and to cooperate with the Assignee in every way possible in ablaining evidence and going forward with such interference. 3) The undersigned agree(s) to execute all papers and decuments and perform any set which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements. 4) The undereigned agree(s) to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to the Assignee. 5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application(a) to the said Assignee, as Assignee of the entire Interest, and hereby coverants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute. Bny agreements in conflict herewith. The undersigned hereby grant(s) the firm of Sanner & Witcoff. LTD the power to insert on this assignment any further identification which may be necessary of desirable in order to comply with the rules of the United States Patent and Trademerk Office for recordation of this document. enter by the undersioned on the date(a) ordered the undersioned name(s)

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Date	Name of Inver	itor	(SEAL				
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**RECORDED: 08/31/2006**