

Atty. Docket No.: 0717-0437P

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recordation for	3103 DRM COVER SHEET					
To the Hoporable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.						
1. Name of conveying party(ies):	2. Name and address of receiving party(ies)					
ZHANG, Xiamang Aus 2 1 2000	Name: SHARP KABUSHIKI KAISHA					
OBUCHI, Yasuji	Internal Address:					
KUBO, Noboru	Street Address: 22-22 Nagaikecho, Abeno-ku					
Additional name(s) of conveying party(ies) attached? Yes No	City: Osaka State: ZIP:					
3. Nature of conveyance:	Country: JAPAN Postal Code: 545-8522					
	Additional name(s) & address(es) attached? Yes No					
Security Agreement Change of Name						
Other:						
Execution Date: July 28, 2000						
4. Application number(s) or patent number(s):						
If this document is being filed together with a new application, the	ne execution date of the application is:					
A. Patent Application No(s).	B. Patent No.(s).					
09/571,846						
Additional numbers atta	iched? Tyes No					
5. Name and address of party to whom correspondence	6. Total No. of applications/patents involved: one (1)					
concerning document should be mailed:	7. Total fee (37 C.F.R. § 3.41): \$40.00 (check # 6011874)					
Name: BIRCH, STEWART, KOLASCH & BIRCH, LLP	⊠ Enclosed					
Street Address: P.O. BOX 747	Authorized to be charged to deposit account					
City: FALLS CHURCH State: VA ZIP: 22040-0747	8. Deposit account number: 02-2448					
Country: USA	(Attach triplicate copy of this page					
	if paying by deposit account)					
	E THIS SPACE					
9. Statement and signature. To the best of my knowledge and belief, the foregoing is copy of the original document. Donald J. Daley, 34,313 Name of Person Signing/Reg. No.	Information is true and correct and any attached copy is a true August 21, 2000 Date					
Total number of pages including cover	sheet, attachments, and document: six (6)					
Commissioner of Patents &	h required cover sheet information to: Trademarks, Box Assignments on, DC 20231 DJD:kna					

PATENT REEL: 011055 FRAME: 0097

BIRCH, STEWART, KOLASCH & BIRCH, LLP

UNITED STATES PATENT RIGHTS, OR UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS

ASSIGNMENT

	Application No. 09/571,	846	Filed May 16, 2000
nsert Name(s) f Inventor(s)	WHEREAS,	ZHANG, Xiaomang	OBUCHI, Yasuji
	KUBO, Noboru		
	(hereinafter designated as the	undersigned) has (have) invented cer	tain new and useful improvements in
nsert Title f Invention	IMAGE PROCESSING APPA	RATUS	
	for which an application for undersigned (except in the cas		s of America has been executed by the
nsert Date of Signing of Application	on July 28, 2000)	; and
nsert Name of Assignee	WHEREAS, SHAI	RP KABUSHIKI KAISHA	
nsert Address of Assignee	of 22-22, Nagaikecho, Abeno-	ku, Osaka 545-8522, Japan	
C HECK BOX f appropriate	its heirs, successors, legal repracquiring the entire right, title may be granted therefor in the in any foreign countries.	and interest in and to said inventio	designated as the Assignee) is desirous of n and in and to any Letters Patent(s) that
	the receipt of which is hereby has (have) sold, assigned and Assignee the full and exclusi dependencies and possessions which may be granted ther	acknowledged, and other good and transferred, and by these presents we right to the said invention in the and the entire right, title and inter-	(\$10.00) to the undersigned in hand paid, d valuable consideration, the undersigned does sell, assign and transfer unto said United States of America, its territories, est in and to any and all Letters Patent(s) herica, its territories, dependencies and sign countries;
	and to any and all divisions, r		and extensions thereof for the full term or

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PATENT REEL: 011055 FRAME: 0098 The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree (s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letter Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States of America patent(s) or a grant of a valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of Birch, Stewart, Kolasch & Birch, LLP the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date Ju	Ly 28,	2000	•	Name of Inventor	(signature)	ZHANG, Xiaomai	laomang	
Date Ju	y 28,	2000		Name of Inventor	(signature)	OBUCHI, Yasuji	l'asu ji	
DateJul	y 28,	2000	,	Name of Inventor	(signature)	KUBO, Noboru	Noton	
Date				Name of Inventor	(signature)			
Date				Name of Inventor	(signature)			
Date				Name of Inventor	(signature)			

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