	To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.			
	1. Name of conveying party(ies):	2. Name and address of receiving party(ies)		
	Takashi Watanabe	Name: Sharp Kabushiki Kaisha		
	Additional name(s) of conveying party(ies) attached?	Internal Address: Street Address:		
	3. Nature of conveyance/Execution Date(s):	22-22 Nagaike-cho		
	Execution Date(s): July 11, 2005	Abeno-ku Osaka-shi, Osaka 545-8522		
	Assignment Merger Change of Name	JAPAN		
	Security Agreement Joint Research Agreement	City:		
	Government Interest Assignment	State:		
	Executive Order 9424, Confirmatory License	Country:Zip:		
	Other	Additional name(s) & address(es) Yes X No attached:		
	4. Application or patent number(s):	This document is being filed together with a new application.		
	A. Patent Application No.(s)	B. Patent No.(s)		
	This application			
ι.	Additional numbers attached	? Yes X No		
	5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:		
	Name: David G. Conlin			
20		7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00		
	Internal Address: Atty. Dkt.: 63877(70820) Street Address: P.O. Box 55874	Authorized to be charged by credit card		
7		X Authorized to be charged to deposit account		
		Enclosed		
		None required (government interest not affecting title)		
	City: Boston	8. Payment information		
	State: MA Zip: 02205	a. Credit Card Last 4 Numbers		
	Phone Number: (617) 439-4444	Expiration Date		
	Fax Number: (617) 439-4170 Email Address: dconlin@edwardsangell.com	b. Deposit Account Number 04-1105 Authorized User Name David G. Conlin		
	Email Address: dconlin@edwardsangell.com 9. Signature:			
	Managa Alaska	hub 28, 2005		
	Signature	July 28, 2005 Date		
	George N. Chaclas – 46,608	Total number of pages including cover 3		
	Name of Person Signing	sheet, attachments, and documents:		
08/05/2005 ECOO	ER 00000279 041105 11191293			

1

PATENT REEL: 016834 FRAME: 0263

Assignment

SERIAL NO.

FILED __

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged,

	Takashi WATANABE				
Insert Name(s) of Inventor(s)					
	(hereinafter designated as the undersigned) hereby sell(s) and assign(s) to				
Insert Name of Assignee	SHARP KABUSHIKI KAISHA				
Address of Assignee	of				
	its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee), the entire right, title and interest in the invention or improvements in				
Title of Invention	AMPLIFICATION TYPE SOLID-STATE IMAGE PICKUP DEVICE				
	for which an application for Letters Patent of the United States of America has been executed by the undersigned				
Date of Signing of Application	on July 11, 2005				

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional 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 or reissue thereof or letters patent 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 patent 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 Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing 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.

PATENT REEL: 016834 FRAME: 0264

	In milities where my executed by the undersigned on the date(s) opposite the undersigned name(s						
July 11, 2005, Name of Inventor Tak	Takashi Watanabe						
, Name of Inventor	(signature)						
, Name of Inventor	(signature)						
, Name of Inventor	(signature)						
, Name of Inventor	(signature)						
, Name of Inventor							
, Name of Inventor							
_	, Name of Inventor , Name of Inventor , Name of Inventor , Name of Inventor , Name of Inventor						

(This assignment should preferably be acknowledged before a United States Consul or Notary Public. If not, then the execution by the Inventor(s) should be witnessed by at least two other persons who sign here.)

Witness	Satoko Zoshio
Witness	schulco Tomolour
Witness	

ACKNOWLEDGMENT

		_ }	
On this	day of		 , 20, before me
personally appeared the	e above-named	<u> </u>	
		<u></u>	

to me personally known to be the individual(s) who executed the foregoing assignment, who did acknowledge to me that he (they) executed the same of his (their) own free will for the purposes therein set forth.

Wilness my hand and seal the day and year last above given.

Official Signature

(SEAL)

Official Title

PATENT REEL: 016834 FRAME: 0265

RECORDED: 07/28/2005