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Form PTO-1595 (Rev. 03-09) OMB No. 0651-0027 (exp. 03/31/2009) RECORDATION FORM COVER SI DATENTS ONLY

PAIENTS UNLY				
To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.				
Name of conveying party(ies):	2. Name and address of receiving party(ies)			
Junko Yabuta	Name: Sharp Kabushiki Kaisha			
Additional name(s) of conveying party(ies) attached? Yes X No	Internal Address: Street Address:			
3. Nature of conveyance/Execution Date(s):				
Execution Date(s): February 13, 2009	22-22 Nagaike-cho Abeno-ku, Osaka-shi Osaka 545-8522			
X 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): X This document is being filed together with a new application.				
A. Patent Application No.(s)	B. Patent No.(s)			
This application				
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 EDWARDS ANGELL PALMER & DODGE LLP	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00			
Internal Address: Atty. Dkt.: 83731(49321)	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00			
Street Address: P.O. Box 55874	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				
Phone Number: (617) 517-5515				
Fax Number: (888) 325-9129	Deposit Account Number 04-1105			
Email Address: dconlin@eapdlaw.com	Authorized Agent A			
9. Signature:	01 FC:8021 40.00 DA			
Signature	March 20, 2009			
Signature Date David A. Tucker - 27,840 Name of Person Signing Total number of pages including cover sheet, attachments, and documents: 4				

BOS2 727616.1

PATENT REEL: 022484 FRAME: 0820

ASSIGNMENT

Junko Yabuta

WHEREAS, the following inventor(s)

therefor in the United States of America;

	and	(hereinafter
refer	red to as undersigned) has (have) invented certain new and useful	improvements
in	DOCUMENT READER	
	for which an application for Letters Patent of the United States i	is being filed
conc	currently herewith (or has been filed on	, Serial No
); and	
	WHEREAS, Sharp Kabushiki Kaisha a Japanese Cor	poration having
its p	rincipal place of business at 22-22, Nagaike-cho, Abeno-ku, Osa	ka-shi, Osaka
545-	-8522 Japan, its heirs, successors, legal representatives and assign	gns (hereinafter
desig	gnated as the Assignee(s)) is desirous of acquiring the entire right,	title and
inter	rest in and to said invention and to any Letters Patent(s) that may	oe granted

NOW, THEREFORE, in consideration of the sum One Dollar (\$1.00), and other good and valuable consideration to the undersigned, the receipt of which is hereby acknowledged, the undersigned has (have) sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee(s), the full and exclusive right to the said invention in the United States of America and its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America and it territories, dependencies and possessions, and in and to any and all divisions, reissues, continuations and extensions thereof for the full term or terms for which the same may be granted.

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(s) may deem necessary or expedient.

The undersigned agree(s) to furnish all pertinent facts and documents relating to said application, said invention and said patent(s) as may be known and accessible to the undersigned, and will testify as to the same in any interference or litigation related thereto, and will promptly execute and deliver to Assignee(s) any and all papers, instruments or affidavits necessary or desirable to apply for, obtain, maintain or enforce said application or said patent(s) in connection with any interference which may be declared, and any litigation concerning this application or any continuation, division or reissue thereof or Patent(s) or reissue patent(s) issued thereon, and to cooperate with the Assignee(s) in every way possible in obtaining and producing evidence and proceeding with such interference or litigation.

Assignment Page 1 of 2

PATENT REEL: 022484 FRAME: 0821

Attorney Docket No.

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(s) to the Assignee(s) and to vest all rights therein hereby conveyed to said Assignee(s) 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 grant(s) to EDWARDS & ANGELL LLP, P.O. Box 55874, Boston, Massachusetts 02205, U.S.A., 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 United States Patent and Trademark Office for recordation of this document.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue any and all Letters Patents of the United States of America resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee(s), as Assignee(s) of the entire interest, and hereby covenants that he or she has the full right to convey the entire interest herein assigned, and that he or she has not executed, and will not execute, any agreement in conflict herewith.

IN WITNESS WHEREOF, signed by the undersigned on the date(s) opposite the undersigned names.

Dated February 13, 2009	Signature of Inventor Name	Junko Yabuta Junko Yabuta
Dated	Signature of Inventor Name	-
Dated	Signature of Inventor Name	
Dated	Signature of Inventor Name	

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Assignment Page 2 of 2

Form PTO-1595 (Rev. 03-09) OMB No. 0651-0027 (exp. 03/31/2009)	U.S. DEPARTMENT OF COMMERCE United States Patent and Trademark Office			
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Email Address: dconlin@eapdlaw.com	Authorized User Name David A. Tucker			
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13 mil l. Tuinez	March 20, 2009			
Signature	Date			
David A. Tucker - 27,840	Total number of pages including cover 4			
Name of Person Signing	sheet, attachments, and documents:			

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RECORDED: 03/20/2009

PATENT REEL: 022484 FRAME: 0823