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Our Ref.: 1035-283

Commissioner of Patents and Trademarks Box Assignment, Washington, D.C. 20231 To the Honorable 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): Satoshi WASHIZUKA Sharp kabushiki Kaisha Katsuya NAKAGAWA Internal Address: Street Address: 22-22 Nagaike-cho, Abeno-ku Additional name/s of conveying party/ies attached? 3. Nature of conveyance: City: Osaka Merger State/Country: Japan Security Assignment Change of Name Zip: 545-8522 Execution Date: October 16, 2000 and November 7, Additional name/s & address/es attached? \(\subseteq\) Yes \(\times\) No 2000, respectively 4. 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: B. Patent No(s). A. Patent Application No(s). (1) 09/675,252 (1) (2) (2) (3) (3) Additional numbers attached Yes No 5. Name and address of party to whom correspondence 6. Total number of applications & patents involved: concerning document should be mailed: 7. Total fee (37 CFR 3.41) 40.00 Name: H. Warren Burnam, Jr. ⊠ Enclosed Authorized to be charged to deposit account #14-1140 Internal Address: 8. The Commissioner is hereby authorized to charge any deficiency in the fee(s) filed, or asserted to be filed, or which Street Address: Nixon & Vanderhye P.C. 1100 North Glebe Road should have been filed herewith (or with any paper thereafter 8th Floor filed in this application by this firm) to our Account No. Zip: City: Arlington State: VA 22201 14-1140. DO NOT USE THIS SPACE 9. Statements and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Thearen Berry Signature December 18, 2000 H. Warren Burnam, Jr. Name of Person Signing Reg. No. 29,366 Total number of pages including original cover sheet, attachments, and document: [2]

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483750 PATENT

ASSIGNMENT OF U.S. PATENT APPLICATION				
	Satoshi WASHIZI	JKA		
	Katsuya NAKAGA	AWA		
(Inventors)				
	In conside	eration of the cum of one dell	ar (\$1.00) and other good and valu	able
			ar (\$1.00) and other good and valu I, the undersigned agree(s) to assig	
		n, transfer and set over to	, the undereigned agree (e) to deet	gri, aria
(Assignee)	SHARP KABUSH		a corporation of Osaka, Jap	oan
(Address)	22-22 Nagaike-ch	o Abeno-ku Osaka 545- <mark>8</mark> 522	2 Japan	
(Title)	the United States, applications for pa	its territories, dependencies	ndersigned's entire right, title and in and possessions in the invention, a which may be granted therefore, kn ATING SYSTEM	and all
(11110)				
_ and	patent in the Unite November 7, 20 September 29, The undersigned a	d States of America or, if not $\frac{000}{2000}$ or has already filed U.S	d on even date herewith an applicate to on even date, then has executed as application. Serial No. 09/675 of assignment of this invention to sa	on <u>Oct. 16, 2000</u> ,252, on
the applicatio thereof and a may deem ne connection w or similar agree	n or any interference lso to execute sepa ecessary or expedie ith claims or provision eements.	e which may be declared and rate assignments in connecti nt and further to perform any ons of the International Conv	documents necessary in connection d any continuing or divisional applications as the As a cat which may be necessary in tention for Protection of Industrial P	cations signee roperty
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In wit	tness whereof, exec	cuted by the undersigned on	the date(s) opposite the undersign	ed
signature(s).	•	-	111111	
Date <u>Octob</u>	er 16, 2000	Signature of inventor	Allen	
Date Novem	ber 7, 2000	Signature of inventor	Hatsuya Nakayan	va
Date		Signature of inventor		
Date		Signature of inventor		
Date		Signature of inventor		A CONTRACTOR OF THE PROPERTY O
Witnessed b	y:		Date	
Witnessed b	y:		Date	

RECORDED: 12/18/2000

PATENT⁶⁴⁶³⁷ REEL: 011348 FRAME: 0941

Case No. : _____