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P.O. Box 1450					
Alexandria, VA 22313-1450					
To the Honorable Commissioner of Patents and Trademarks: Ple					
1. Name of conveying party(ies):	2. Name and address of receiving party(ies):	7.4 5.5			
Keiichi INA Shoichi ANDOU	N. CALLED W. BILGAMAN W. 1011	S. C.			
Ichiro SHIRAKI	Name: SHARP KABUSHIKI KAISHA	U.S			
Mutsumi NAKAJIMA	Internal Address:	6 2 3			
Keisuke YOSHIDA	Street Address: 22-22 Nagaike-cho Abeno-ku	ST ■			
Additional name/s of conveying party/ies attached?					
3. Nature of conveyance:	City: Osaka-shi				
Assignment Merger	State/Country: Osaka, Japan				
Security Assignment Change of Name Other	Zip: <u>545-8522</u>				
Execution Date: January 14, January 12, January 14, January 12 and January 12, 2005	Additional name/s & address/es attached? Yes] No			
4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execut	ion date of the application is: January 14, January 12, January 12 and January 12,				
A. Patent Application No(s).	B. Patent No(s).				
(1) Unknown	(1)				
(2)	(2)				
(3)	(3)				
Additional numbers a					
5. Name and address of party to whom correspondence	6. Total number of applications & patents involved:	1			
concerning document should be mailed:					
	7. Total fee (37 CFR 3.41) \$ 40.00				
Name: H. Warren Burnam, Jr.	Enclosed				
Internal Address:	Authorized to be charged to deposit account #14	-1140			
	8. The Commissioner is hereby authorized to charge any				
Street Address: Nixon & Vanderhye P.C.	<u>deficiency</u> in the fee(s) filed, or asserted to be filed, or				
1100 North Glebe Road	should have been filed herewith (or with any paper the	reafter			
8 th Floor	filed in this application by this firm) to our Account N	0.			
City: Arlington State: VA Zip: 22201	14-1140.				
DO NOT US	SE THIS SPACE				
9. Statements and signature.					
To the best of my knowledge and belief, the foregoing inform of the original document.	nation is true and correct and any attached copy is a true copy	y			
H. Warren Burnam, Jr.	Zseece January 26, 2005				
Name of Person Signing Si Reg. No. 29,366	gnature Date				
Total number of pages including original cover sheet, attachments, and document: [4]					

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•		•	Case No. :
	ASSIGN	MENT OF U.S. PATE	
	Keiichi INA		
(inventors)			
	In consid	eration of the sum of one d	ollar (\$1.00) and other good and valuable
			ed, the undersigned agree(s) to assign, and
	hereby does assign	gn, transfer and set over to	
(Assignee)	SHARP KABUSH		a corporation of Osaka, Japan
(Address)		no Abeno-ku Osaka-shi Osa	undersigned's entire right, title and interest for
			es and possessions in the invention, and all
	applications for pa	atent and any Letters Paten	t which may be granted therefore, known as
(Title)	DISPLAY DEVIC	<u> </u>	
	for which the und	arrianed has (hous) avacua	ed on even date herewith an application for
			not on even date herewith an application for
			U.S. application Serial No on
	*		and another was a few to the second and the
		acknowledges an obligation me the invention was made	n of assignment of this invention to said
The	•		d documents necessary in connection with
			and any continuing or divisional applications
thereof and a	iso to execute sepa	arate assignments in conne	ction with such applications as the
			perform any act which may be necessary
Property or si	i with claims or prov imilar agreements.	visions of the International (Convention for Protection of Industrial
	_	(c) to porform all affirmative	acts which may be necessary to obtain a
		tent to the Assignee.	acts which may be necessary to obtain a
_	•	-	s) the Commissioner of Patents to issue
			n said application or any division or
			nee, as Assignee of the entire interest,
			onvey the entire interest herein assigned,
	•		rte, any agreement in conflict herewith.
			I & VANDERHYE P.C. the power to insert necessary or desirable in order to comply
			tion of this document. It is understood
and agreed th	nat ASSIGNEE'S at	tomeys Nixon & Vanderhye	P.C. have represented only ASSIGNEE
	=	ly ASSIGNEE with respect	
	ness whereof, exec	cuted by the undersigned or	n the date(s) opposite the undersigned
signature(s).			
Date	14, 2005	Signature of inventor	Kenichi Ina
	7.	-	
Date		Signature of inventor	
Date		Signature of inventor	
Date		Signature of inventor	
Date		Signature of inventor	
Witnessed by			Date
Witnessed by			Data

*			Case No. :		
	ASSIGN	MENT OF U.S. PATEN	NT APPLICATION		
	Ichiro SHIRAKI				
	Mutsumi NAKAJ	IMA			
(Inventors)	Keisuke YOSHID				
,					
(Assignee)	considerations pai	id to each of the undersigners, transfer and set over to	ollar (\$1.00) and other good and valuable ed, the undersigned agree(s) to assign, and a corporation of Osaka, Japan		
(Address)	22-22 Nagaike-ch	o Abeno-ku Osaka-shi Osa	ıka 545-8522 Japan		
(Title)	(hereinafter designated as the Assignee) the undersigned's entire right, title and interest for the United States, its territories, dependencies and possessions in the invention, and all applications for patent and any Letters Patent which may be granted therefore, known as DISPLAY DEVICE				
	for which the undersigned has (have) executed on even date herewith an application for patent in the United States of America or, if not on even date, then has executed on				
		acknowledges an obligation ne the invention was made.	n of assignment of this invention to said		
The undersigned agree(s) to execute all papers and documents necessary in connection with the application or any interference which may be declared and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient and further to perform any act which may be necessary in connection with claims or provisions of the International Convention for 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. The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants 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, any agreement in conflict herewith. The undersigned hereby grant(s) the firm of NIXON & VANDERHYE P.C. 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 Office for recordation of this document. It is understood and agreed that ASSIGNEE's attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to this invention.					
In with signature(s).	ness whereof, exec	uted by the undersigned on	n the date(s) opposite the undersigned		
Date <u>Jan</u> .	12, 2005	Signature of inventor	Matsum Nakazima Heisuke Yoshida		
Datefan_	14 2005 727. Jan 14: Las	Signature of inventor	Materia Nohogina		
Date fan,	12, 2005	Signature of inventor	Keisuke Yoshida		
Date		Signature of inventor			
Date		Signature of inventor			
Witnessed by:			Date		
Witnessed by:			Date		

.			C	Case No. :	
	ASSIGN	MENT OF U.S. PATEN	T APPLICATION		
	Shoichi ANDOU				
(inventors)					
,					
	considerations pa hereby does assig	eration of the sum of one do id to each of the undersigne in, transfer and set over to	d, the undersigned agre	ee(s) to assign, and	
(Assignee) (Address)	SHARP KABUSH		a corporation of	Osaka, Japan	
(Title)	22-22 Nagaike-cho Abeno-ku Osaka-shi Osaka 545-8522 Japan (hereinafter designated as the Assignee) the undersigned's entire right, title and interest for the United States, its territories, dependencies and possessions in the invention, and all applications for patent and any Letters Patent which may be granted therefore, known as DISPLAY DEVICE				
	patent in the Unite	ersigned has (have) execute ed States of America or, if no or has already filed U	ot on even date, then ha .S. application Serial	as executed on No, on	
		acknowledges an obligation ne the invention was made.	of assignment of this in	ivention to said	
the application thereof and a Assignee ma an connection Property or s	on or any interference also to execute sepa by deem necessary of with claims or provingilar agreements.	s) to execute all papers and be which may be declared as trate assignments in connector or expedient and further to prisions of the International Cost	nd any continuing or divition with such application erform any act which monvention for Protection	isional applications ons as the nay be necessary n of Industrial	
grant of a val	indersigned agree(id United States pat	s) to perform all affirmative a tent to the Assignee.	acts which may be nece	essary to obtain a	
any and all Le divisions or c and hereby c	etters Patent of the ontinuing applicatio ovenants that he ha	authorize(s) and request(s) United States resulting from ns thereof to the said Assign s (they have) full right to co- executed and will not execut	said application or any nee, as Assignee of the nvey the entire interest	division or entire interest, herein assigned,	
on this assigr with the rules and agreed th	nment any further id of the United State hat ASSIGNEE'S at	grant(s) the firm of NIXON entification which may be not so Patent Office for recordation torneys Nixon & Vanderhyely ASSIGNEE with respect to	cessary or desirable in on of this document. I P.C. have represented	order to comply t is understood	
In wit signature(s).	tness whereof, exec	cuted by the undersigned on		-	
Date <u>Jez</u>	. 12, 2005	Signature of inventor	Shoichi	andou	
Date		Signature of inventor			
Date	**************************************	Signature of inventor			
Date		Signature of inventor			
Date		Signature of inventor			
Vitnessed by	<i>.</i>		Date		
Vitnessed by	<i>r</i> .		Date		

RECORDED: 01/26/2005