Form PTO-1595 1-31-92 A/D55140

10/529225

U.S. Department of Commerce

RECORDATION FORM COVERS REC'D PCT/PTO 25 MAR 2005

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Alexandria, VA 22313-1450	10327 1361					
To the Honorable Commissioner of Patents and Trademarks: Plea	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):					
Toshiyuki TANAKA						
Kanae SUENAGA	Name: Sharp Kabushiki Kaisha					
Toshihiro MATSUMOTO	Internal Address:					
Ikuji KOMISHI	Street Address: 22-22, Nagaike-cho, Abeno-ku					
Additional name/s of conveying party/ies attached?						
7 51 7						
3. Nature of conveyance:	City: Osaka-shi, Osaka					
Assignment	State/Country: Japan					
☐ Security Assignment ☐ Change of Name	Zip: <u>545-8522</u>					
Other						
Execution Date: 4 March 2005, 7 March 2005, 2 March	Additional name/s & address/es attached? Yes No					
2005, 2 March 2005, respectively	10/529225					
	[013/1/-)					
 Application number(s) or patent number(s): If this document is being filed together with a new application, the execution 	on date of the application is: 4 March 2005, 7 March 2005, 2					
in this document is being med together with a new appreciation, are executed	March 2005, 7 March 2005, 2 March 2005,					
	Respectively					
A. Patent Application No(s).	B. Patent No(s).					
(1) to be assigned	(1)					
(2)	(2)					
(3)	(3)					
Additional numbers at						
5. Name and address of party to whom correspondence	6. Total number of applications & patents involved:1					
concerning document should be mailed:	7. T-4-1 f (27. OFD 2.41) (2021) \$ 40.00					
N II W I	7. Total fee (37 CFR 3.41) (8021) \$ 40.00					
Name: H. Warren Burnam, Jr.	Enclosed Authorized to be charged to deposit account #14-1140					
Internal Address:	Authorized to be charged to deposit account #14-1140					
Internal Address.	8. The Commissioner is hereby authorized to charge any					
Street Address: Nixon & Vanderhye P.C.	deficiency in the fee(s) filed, or asserted to be filed, or which					
1100 North Glebe Road	should have been filed herewith (or with any paper thereafter					
8 th Floor	filed in this application by this firm) to our Account No.					
City: Arlington State: VA Zip: 22201	14-1140.					
01/2005 LLANDGRA 00000003 10529225						
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FC 8021 (40.00 OP) DO NOT USE						
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.						
M. W. D. D. J. MAI COOLLA	78444					
H. Warren Burnam, Jr.	March 25, 2005					
Name of Person Signing Signa	ture Date					
I Reg No. 29.366						
Reg. No. 29,366 Total number of pages including origin	nal cover sheet, attachments, and document: [3]					

938694

PATENT ***
REEL: 018071 FRAME: 0036

•			Case No. :			
ASSIGNMENT OF U.S. PATENT APPLICATION						
•	Toshiyuki TANA					
(Inventors)	Toshihiro MATSU	JMOTO				
(mventors)	ikuji Kolilorii					
			lar (\$1.00) and other good and valuable d, the undersigned agree(s) to assign, and			
	hereby does assig	n, transfer and set over to				
(Assignee) (Address)	22-22 Nagaike-che	iki kaisha o Abeno-ku Osaka-shi Osak	a corporation of Osaka, Japan			
(Addition)	(hereinafter design	nated as the Assignee) the u	indersigned's entire right, title and interest for			
			and possessions in the invention, and all which may be granted therefore, known as			
(Title)			AY PANEL, 2D/3D SWITCHING TYPE			
		DISPLAY PANEL, AND 20	D/3D SWITCHING TYPE LIQUID CRYSTAL			
-	DISPLAY for which the unde	rsigned has (have) executed	d on even date herewith an application for			
	patent in the Unite	d States of America or, if no	t on even date, then has executed on			
	4/Mar / 2005 or has already filed U.S. application Serial No, on					
	The undersigned acknowledges an obligation of assignment of this invention to said assignee at the time the invention was made.					
	The undersigned agree(s) to execute all papers and documents necessary in connection with					
			d any continuing or divisional applications tion with such applications as the			
Assignee may	deem necessary o	or expedient and further to pe	erform any act which may be necessary			
	in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.					
•	-	s) to perform all affirmative a	acts which may be necessary to obtain a			
grant of a valid United States patent to the Assignee.						
			the Commissioner of Patents to issue			
			said application or any division or see, as Assignee of the entire interest,			
			nvey 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 witness whereof, executed by the undersigned on the date(s) opposite the undersigned signature(s).						
Date <u>4</u> /	Mar/2005	Signature of inventor	Toshiyubi Janaka			
Date 2/1	1ar 12005	Signature of inventor	Toshikiro Watsumolo			
Date _ 2/M	ar 12005	Signature of inventor	Skuji Honishi			
Date		Signature of inventor				
Date		Signature of inventor				
Witnessed by:			Date			
Witnessed by:			Date			

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REEL: 018071 FRAME: 0037

	ENT APPLICATION	IMENT OF U.S. PATEN	ASSIGN	-		
		iA .	Kanae SUENAG			
				(Inventors)		
				(inventors)		
gn, and	a corporation of Osaka, Japan	considerations pa hereby does assi SHARP KABUSH	(Assignee)			
	Osaka 545-8522 Japan the undersigned's entire right, title and intere	ho Abeno-ku Osaka-shi Osal	22-22 Nagaike-ch	(Address)		
and all own as 'PE	(TITLE)					
RISIAL	D 2D/3D SWITCHING TYPE LIQUID CRYS	AL DISPLAY PANEL, AND 2	DISPLAY			
ion for on , on	-					
The undersigned acknowledges an obligation of assignment of this invention to said assignee at the time the invention was made.						
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.						
st, 1ed,	st(s) the Commissioner of Patents to issue from said application or any division or signee, as Assignee of the entire interest, o convey the entire interest herein assigned, ecute, any agreement in conflict herewith.	 United States resulting from ons thereof to the said Assign as (they have) full right to cor 	etters Patent of the ontinuing application ovenants that he ha	any and all Le divisions or co and hereby co		
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 witness whereof, executed by the undersigned on the date(s) opposite the undersigned signature(s).						
	Kanae SUENAGA	Signature of inventor	March/2005	Date 7/1		
		Signature of inventor		Date		
		Signature of inventor		Date		
		Signature of inventor		Date		
		Signature of inventor		Date		
	Date		·:	Witnessed by:		
	Date			Witnessed by:		
ain a ue st, ned, n. nsert nply od NEE	ive acts which may be necessary to obtain a st(s) the Commissioner of Patents to issue rom said application or any division or signee, as Assignee of the entire interest, o convey the entire interest herein assigned, ecute, any agreement in conflict herewith. ON & VANDERHYE P.C. the power to insert to e necessary or desirable in order to comply dation of this document. It is understood hye P.C. have represented only ASSIGNEE ect to this invention. If on the date(s) opposite the undersigned Date Date Date	(s) to perform all affirmative attent to the Assignee. y authorize(s) and request(s) and thereof to the said Assignas (they have) full right to conexecuted and will not execute y grant(s) the firm of NIXON dentification which may be need the Patent Office for recordation that the ASSIGNEE with respect to ecuted by the undersigned on Signature of inventor	imilar agreements. undersigned agreed id United States parameters Patent of the ontinuing application ovenants that he has (they have) not undersigned hereby ment any further id of the United Statement ASSIGNEE'S at nue to represent ontiness whereof, executed by the control of the United Statement and ASSIGNEE'S at nue to represent ontiness whereof, executed by the control of the United Statement and the control of the Con	The user of a validary and all Ledivisions or common and that he has a validary and agreed the and will continuous line with signature(s). Date 7/1 Date Date Date Date Date Witnessed by:		

RECORDED: 03/25/2006

PATENT 264637

REEL: 018071 FRAME: 0038

Case No. : _____