

## PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Takehiko SAKAI</td><td>08/22/2008</td></tr><tr><td>Tsuyoshi OKAZAKI</td><td>08/22/2008</td></tr><tr><td>Katsuhiko MORISHITA</td><td>08/22/2008</td></tr><tr><td>Yoshiharu KATAOKA</td><td>08/22/2008</td></tr><tr><td>Chikanori TSUKAMURA</td><td>08/26/2008</td></tr><tr><td>Dai CHIBA</td><td>08/22/2008</td></tr></tbody></table>	Name	Execution Date	Takehiko SAKAI	08/22/2008	Tsuyoshi OKAZAKI	08/22/2008	Katsuhiko MORISHITA	08/22/2008	Yoshiharu KATAOKA	08/22/2008	Chikanori TSUKAMURA	08/26/2008	Dai CHIBA	08/22/2008	
Name	Execution Date														
Takehiko SAKAI	08/22/2008														
Tsuyoshi OKAZAKI	08/22/2008														
Katsuhiko MORISHITA	08/22/2008														
Yoshiharu KATAOKA	08/22/2008														
Chikanori TSUKAMURA	08/26/2008														
Dai CHIBA	08/22/2008														
RECEIVING PARTY DATA															
Name:	SHARP KABUSHIKI KAISHA														
Street Address:	22-22 Nagaike-cho, Abeno-ku,														
City:	Osaka-shi, Osaka														
State/Country:	JAPAN														
Postal Code:	545-8522														
PROPERTY NUMBERS Total: 1															
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12293911</td></tr></tbody></table>	Property Type	Number	Application Number:	12293911											
Property Type	Number														
Application Number:	12293911														
CORRESPONDENCE DATA															
Fax Number:	(703)816-4100														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
Phone:	703-816-4000														
Email:	teh@nixonvan.com														
Correspondent Name:	NIXON & VANDERHYE, PC														
Address Line 1:	901 NORTH GLEBE ROAD, 11TH FLOOR														
Address Line 4:	ARLINGTON, VIRGINIA 22203														
ATTORNEY DOCKET NUMBER:	1035-809														
NAME OF SUBMITTER:	H. Warren Burnam, Jr.														

OP \$40.00 12293911

PATENT

500653821

REEL: 021564 FRAME: 0892

Total Attachments: 2  
source=Assignment#page1.tif  
source=Assignment#page2.tif

# ASSIGNMENT OF PATENT APPLICATION

(Inventors) Takehiko SAKAI  
Tsuyoshi OKAZAKI  
Katsuhiko MORISHITA  
Yoshiharu KATAOKA  
Chikanori TSUKAMURA  
Dai CHIBA

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(Assignee) SHARP KABUSHIKI KAISHA  
(Address) of 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, and for the country of

(Other Countries) in the invention, and all application(s) for patent and any Letters Patent which may be granted therefor, known as  
(Title) LIQUID CRYSTAL DISPLAY (Case No. - )  
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 or has already filed in  
U.S. appln. Serial No. filed 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.

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 witness whereof, executed by the undersigned on the date(s) opposite the undersigned signature(s).

Date August 22, 2008 Signature of inventor

Takehiko Sakai  
Takehiko SAKAI

Date August 22, 2008 Signature of inventor

Tsuyoshi Okazaki  
Tsuyoshi OKAZAKI

Date August 22, 2008 Signature of inventor

Katsuhiko Morishita  
Katsuhiko MORISHITA

Date August 22, 2008 Signature of inventor

Yoshiharu Kataoka  
Yoshiharu KATAOKA

Date August 26, 2008 Signature of inventor

Chikanori Tsukamura  
Chikanori TSUKAMURA

Date August 22, 2008 Signature of inventor

Dai Chiba  
Dai CHIBA