

## PATENT ASSIGNMENT

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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>Takako NAKAI</td> <td>12/12/2011</td> </tr> <tr> <td>Masanobu MIZUSAKI</td> <td>12/12/2011</td> </tr> <tr> <td>Youhei NAKANISHI</td> <td>12/12/2011</td> </tr> </tbody> </table>		Name	Execution Date	Takako NAKAI	12/12/2011	Masanobu MIZUSAKI	12/12/2011	Youhei NAKANISHI	12/12/2011
Name	Execution Date								
Takako NAKAI	12/12/2011								
Masanobu MIZUSAKI	12/12/2011								
Youhei NAKANISHI	12/12/2011								
RECEIVING PARTY DATA									
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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>13382214</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13382214				
Property Type	Number								
Application Number:	13382214								
CORRESPONDENCE DATA									
Fax Number:	(703)816-4100								
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NAME OF SUBMITTER:	H. Warren Burnam, Jr.								
Total Attachments: 2 source=ASSGN#page1.tif source=ASSGN#page2.tif									

OP \$40.00 13382214

# ASSIGNMENT OF PATENT APPLICATION

(Inventors) Takako NAKAI  
Masanobu MIZUSAKI  
Youhei NAKANISHI

(Assignee) In consideration of the sum of one dollar (\$1.00) and other good and valuable  
(Address) considerations paid to each of the undersigned, the undersigned agree(s) to assign, and  
SHARP KABUSHIKI KAISHA hereby does assign, transfer and set over to  
(Other of 22-22 Nagaike-cho Abeno-ku Osaka-shi Osaka 545-8522 Japan,  
Countries) (hereinafter designated as the Assignee) the undersigned's entire right, title and interest  
(Title) for the United States, its territories, dependencies and possessions, and for the country of  
in the invention, and all application(s) for patent and any Letters Patent which may  
be granted therefor, known as  
LIQUID CRYSTAL DISPLAY PANEL AND PROCESS FOR PRODUCTION THEREOF  
(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 December 12, 2011 Signature of inventor

Takako Nakai  
Takako NAKAI

Date December 12, 2011 Signature of inventor

Masanobu Mizusaki  
Masanobu MIZUSAKI

Date December 12, 2011 Signature of inventor

Youhei Nakanishi  
Youhei NAKANISHI

Date \_\_\_\_\_ Signature of inventor

Date \_\_\_\_\_ Signature of inventor

Date \_\_\_\_\_ Signature of inventor

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