

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>Masahiro YOSHIDA</td><td>10/25/2011</td></tr><tr><td>Takahiro SASAKI</td><td>10/25/2011</td></tr><tr><td>Yasunao IWATA</td><td>10/25/2011</td></tr></tbody></table>	Name	Execution Date	Masahiro YOSHIDA	10/25/2011	Takahiro SASAKI	10/25/2011	Yasunao IWATA	10/25/2011	
Name	Execution Date								
Masahiro YOSHIDA	10/25/2011								
Takahiro SASAKI	10/25/2011								
Yasunao IWATA	10/25/2011								
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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>13322032</td></tr></tbody></table>	Property Type	Number	Application Number:	13322032					
Property Type	Number								
Application Number:	13322032								
CORRESPONDENCE DATA									
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Total Attachments: 2 source=EXECUTED_ASSIGNMENT#page1.tif source=EXECUTED_ASSIGNMENT#page2.tif									

OP \$40.00 13322032

ASSIGNMENT OF PATENT APPLICATION

Masahiro YOSHIDA
Takahiro SASAKI
Yasunao IWATA

(Inventors)

(Assignee)

(Address)

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

Sharp Kabushiki Kaisha

(of 22-22, Nagaïke-cho, Abeno-ku, Osaka-shi, Osaka 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

LIQUID CRYSTAL DISPLAY DEVICE

(Case No. 4034-)

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	<u>October 25, 2011</u>	Signature of inventor	(<u>Masahiro Yoshida</u> Masahiro YOSHIDA
Date	<u>October 25, 2011</u>	Signature of inventor	(<u>Takahiro Sasaki</u> Takahiro SASAKI
Date	<u>October 25, 2011</u>	Signature of inventor	(<u>Yasunao Iwata</u> Yasunao IWATA
Date	_____	Signature of inventor	(_____
Date	_____	Signature of inventor	(_____
Date	_____	Signature of inventor	(_____
Date	_____	Signature of inventor	(_____
Date	_____	Signature of inventor	(_____

Witnessed by: _____

Date _____

Witnessed by: _____

Date _____