

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>Satoru YAMANAKA</td><td>10/08/2009</td></tr><tr><td>Shinichi HIROTA</td><td>10/08/2009</td></tr><tr><td>Kazuya ARIMA</td><td>10/08/2009</td></tr></tbody></table>		Name	Execution Date	Satoru YAMANAKA	10/08/2009	Shinichi HIROTA	10/08/2009	Kazuya ARIMA	10/08/2009		
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RECEIVING PARTY DATA											
<table border="1"><tr><td>Name:</td><td>KABUSHIKI KAISHA TOSHIBA</td></tr><tr><td>Street Address:</td><td>1-1, Shibaura 1-chome, Minato-Ku</td></tr><tr><td>City:</td><td>Tokyo</td></tr><tr><td>State/Country:</td><td>Japan</td></tr><tr><td>Postal Code:</td><td>105-8001</td></tr></table>		Name:	KABUSHIKI KAISHA TOSHIBA	Street Address:	1-1, Shibaura 1-chome, Minato-Ku	City:	Tokyo	State/Country:	Japan	Postal Code:	105-8001
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<table border="1"><tr><td>Name:</td><td>Toshiba Mobile Display Co., Ltd</td></tr><tr><td>Street Address:</td><td>1-8, Konan 4-chome</td></tr><tr><td>City:</td><td>Minato-ku, Tokyo</td></tr><tr><td>State/Country:</td><td>JAPAN</td></tr></table>		Name:	Toshiba Mobile Display Co., Ltd	Street Address:	1-8, Konan 4-chome	City:	Minato-ku, Tokyo	State/Country:	JAPAN		
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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>12698209</td></tr></tbody></table>		Property Type	Number	Application Number:	12698209						
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Application Number:	12698209										
CORRESPONDENCE DATA											
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REEL: 023885 FRAME: 0639

OP \$40.00 12698209

NAME OF SUBMITTER:	Liping Tan
Total Attachments: 2 source=347229usAssignment#page1.tif source=347229usAssignment#page2.tif	

Assignment of Application

INSERT NAMES
AND RESIDENCE
ADDRESS OF
THE INVENTORS:

WHEREAS, I (WE) Satoru YAMANAKA, Shinichi HIROTA and Kazuya ARIMA

all inventors are

c/o Toshiba Mobile Display Co., Ltd., 1-8, Konan 4-chome, Minato-ku, Tokyo, Japan

, respectively,

INSERT TITLE OF
INVENTION:

have invented certain new and useful improvements in: THE LIQUID CRYSTAL DISPLAY DEVICE

(Application No. 12/698,209, filed February 2, 2010), and

INSERT NAME
AND ADDRESS OF
COMPANY OR
OTHER ASSIGNEE

WHEREAS, Kabushiki Kaisha Toshiba and Toshiba Mobile Display Co., Ltd.

(hereinafter referred to as "ASSIGNEE") having a place of business at: 1-1, Shibaura 1-chome, Minato-ku, Tokyo, Japan and 1-8, Konan 4-chome, Minato-ku, Tokyo, Japan is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

12/04

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of 1940 Duke Street, Alexandria, Virginia 22314 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: <u>Oct 8, 2009</u>	<u>Satoru Yamanaka</u> (Signature of Inventor) Satoru YAMANAKA
Date: <u>oct. 8, 2009</u>	<u>Shinichi Hirota</u> (Signature of Inventor) Shinichi HIROTA
Date: <u>Oct 8, 2009</u>	<u>Kazuya Arima</u> (Signature of Inventor) Kazuya ARIMA
Date: _____	_____ (Signature of Inventor)
Date: _____	_____ (Signature of Inventor)
Date: _____	_____ (Signature of Inventor)

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.
ATTORNEYS AT LAW
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ALEXANDRIA, VIRGINIA 22314