

## 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>Advanced LCD Technologies Development Center Co., Ltd.</td> <td>02/22/2013</td> </tr> </tbody> </table>		Name	Execution Date	Advanced LCD Technologies Development Center Co., Ltd.	02/22/2013						
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RECEIVING PARTY DATA											
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CORRESPONDENCE DATA											
Fax Number:	7037607777										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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ATTORNEY DOCKET NUMBER:	532742000100										

CH \$40.00 6828178

NAME OF SUBMITTER:

Takamitsu Fujiu

Total Attachments: 2

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## CORPORATION TO CORPORATION ASSIGNMENT

This Assignment is by:

Corporation: Advanced LCD Technologies Development Center Co., Ltd.  
Address: 66-2, Horikawa-cho, Saiwa-ku, Kawasaki-shi, Kanagawa 212-0013, Japan  
A corporation duly organized under and pursuant to the laws of: Japan

(referred to in this Assignment as "Assignor"), is the sole and exclusive owner, by assignment, of the U.S. patent application identified below:

### THIN FILM SEMICONDUCTOR DEVICE AND ITS SUBSTRATE SHEET AS WELL AS THE METHOD FOR PRODUCTION THEREOF

Patent No.: 6,828,178 Issue Date: December 7, 2004

This Assignment is to:

Assignee: Sharp Kabushiki Kaisha  
Address: 22-22, Nagaike-cho, Abeno-ku, Osaka-shi, Osaka 545-8522, Japan  
A corporation duly organized under and pursuant to the laws of: Japan

and

Assignee: Japan Display East Inc.  
Address: 3300, Hayano, Mobara-shi, Chiba 297-8622, Japan  
A corporation duly organized under and pursuant to the laws of: Japan

(referred to in this Assignment as "Assignees"), who desires to acquire the entire right, title and interest in, to and under said patent application and the inventions covered thereby.

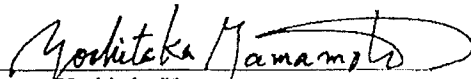
For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged,

1. Assignor hereby sells, assigns, transfers and sets over, to Assignees, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions, application for letters patent, and any and all letters patent or patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all provisions, divisions, continuations, continuations-in-part and substitutions of said application, or reissues, re-examinations or extensions of said letters patent or patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignees (including any right to institute actions and to recover for past, present and future infringement), for its own use and the use of its successors, legal representatives and assigns, to the full end of the term or terms for which letters patent or patents may be granted, as fully and entirely as the same would have been held and enjoyed by Assignor, had this sale and assignment not been made.
2. Assignor shall promptly sign and execute all papers and documents, take all lawful oaths, and do all acts necessary, required or useful to secure title thereto to the Assignees, at the sole cost and expense of Assignees, its successors, legal representatives and assigns, including, without limitation, (a) said inventions, or said application for letters patent; (b) letters patent for said inventions in any country, including any reissue, re-examination or extension of or interference proceedings; or (c) any provisional, division, continuation, continuation-in-part, or substitutions of any application for letters patent or any reissues, re-examinations, extensions or interference proceedings involving any letters patent, to be obtained thereon. To be clear, for purposes of this paragraph, "desirable" shall include, without limitation, any act necessary or useful in connection with United States laws and/or international conventions.
3. Assignor hereby authorize and request the Commissioner of Patents in the United States to issue the above mentioned letters patents of the United States to Assignees as the Assignees of said inventions and the letters patent to be issued thereon for the sole use of Assignees, its successors, legal representatives and assigns.

4. "I hereby grant Assignees' attorneys, all of Morrison & Foerster LLP, 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 and Trademark office for recordation of this document, including the power to insert on this assignment the application number and filing date of said application when known."

In witness whereby, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date: February 22, 2013

Signature:   
Name: Yoshitaka Yamamoto  
Title: President  
Company: Advanced LCD Technologies  
Development Center Co., Ltd.