

PATENT ASSIGNMENT

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| SHOU-CHENG WENG | 01/10/2010 |
| HUAI-AN LI | 01/10/2010 |
| CHI-NENG MO | 01/10/2010 |
| RECEIVING PARTY DATA | |
| Name: | CHUNGHWA PICTURE TUBES, LTD. |
| Street Address: | 1127 HEPING ROAD |
| City: | BADE CITY, TAOYUAN |
| State/Country: | TAIWAN |
| Postal Code: | 334 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 12697303 |
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| ATTORNEY DOCKET NUMBER: | ESSEN-00019 |
| NAME OF SUBMITTER: | CHENG-JU CHIANG |
| Total Attachments: 1 source=ESSEN-00019-Assignment#page1.tif | |

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PATENT
REEL: 023875 FRAME: 0469

ASSIGNMENT OF APPLICATION

I/We, Weng, Shou-cheng; Li, Huai-an; Mo, Chi-neng, whose residence and post office address is as stated below next to my name, hereafter referred to as applicant, have invented certain new and useful improvements in Vertical thin film transistor and method for manufacturing the same and display device including the vertical thin film transistor and method for manufacturing the same

☐ for which an application for a United States Patent was filed on _____,
Serial No. _____.

☒ for which an application for a United States Patent was executed on Jan. 10, 2010
and

Whereas, CHUNGHWA PICTURE TUBES, LTD. a corporation of Taiwan herein referred to "assignee" whose mailing address is 1127, Heping Rd., Bade City, Taoyuan, Taiwan, is desirous of acquiring the entire right, title and interest in the same;

Now, therefore, in consideration of the sum of one dollars (\$1.00), the receipt whereof is acknowledged, and other good and valuable consideration, We/I, the applicant, 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 the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States, We/I hereby authorize and request the Commissioner of Patents and Trademarks to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and benefit; and for the use and benefit of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

Executed this 10 day of Jan., 2010 at Taiwan
(city, state)

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