Client Code: SMDYPL.219AUS

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1. Name of conveying party(ies): (List using letters or numbers for multiple parties) Chul-Woo Shin Additional name(s) of conveying party(ies) attached? () Yes (X) No 3. Nature of conveyance: (X) Assignment () Security Agreement () Merger () Change of Name () Other: Execution Date: (List as in section 1 if multiple signatures) November 4, 2011	 Name and address of receiving party(les): Name: Samsung Mobile Display Co., Ltd. Street Address: San #24 Nongseo-Dong, Giheung-Gu City: Yongin-City, Gyunggi-Do Country: Republic of Korea ZIP: 446-711 Additional name(s) of receiving party(les) attached? () Yes (X) No US or PCT Application number(s) or US Patent number(s): (X) Patent Application No.: 13/301,486 Filing Date: November 21, 2011 Additional numbers attached? () Yes (X) No 	
5. Party to whom correspondence concerning document should be mailed: Customer No. 20,995 Address: Knobbe, Martens, Olson & Bear, LLP 2040 Main Street, 14 th Floor Irvine, CA 92614 Return Fax: (949) 760-9502 Attorney's Docket No.: SMDYPL219AUS	Total number of applications and patents involved: 1	
7. Total fee (37 CFR 1.21(h)): \$40	8. Deposit account number: 11-1410	
(X) Authorized to be charged to deposit account	Please charge this account for any additional fees which may be required, or credit any overpayment to this account.	
9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct, and any attached copy is a true copy of the original document. John M. Carson Name of Person Signing 34,303 Registration No.		
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> PATENT **REEL: 027306 FRAME: 0736**

PATENT

Application No.: Unknown Filing Date: Herewith

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ASSIGNMENT

WHEREAS, I, the undersigned, have invented certain new and useful improvements in a THIN FILM TRANSISTOR ARRAY SUBSTRATE FOR X-RAY DETECTOR AND X-RAY DETECTOR, the specification of which was executed on even date herewith.

AND WHEREAS, Samsung Mobile Display Co., Ltd., (hereinafter "ASSIGNEE"), with its principal place of business at San #24 Nongseo-Dong, Giheung-Gu, Yongin-City, Gyunggi-Do, 446-711 Republic of Korea, desires to acquire the entire right, title, and interest in and to the said improvements with respect to the United States of America, its territories and possessions.

NOW, THEREFORE, in light of good and valuable consideration, the receipt of which is hereby acknowledged, I, the said inventor, do hereby acknowledge that I have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all provisional applications rotating thereto, and all divisions, tenewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under international Conventions and applications for Letters Patent which may hereafter be filled for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and I hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND I HEREBY covenant and agree that I will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to me respecting said improvements, and testify in any tegal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

Date:	4/ November 12011	Signature: Chul was Shin
Address: <u>c/o.</u> * #24 Nongsco	Name: Chul-Woo SHIN Address: c/o Samsung Mobile Display Co. Ltd. San #24 Nongseo-Dong. Gilheung-Gu. Yongio-City. Gyunggi-Du, Korea 446-711	
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PATENT REEL: 027306 FRAME: 0737

RECORDED: 11/21/2011