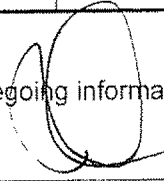


Client Code: SMDYOU.217AUS

RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director, U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party: 1. Jin-Tae Jeong 2. Won-Kyu Kwak Additional name(s) of conveying party(ies) attached? () Yes (X) No	2. Name and address of receiving party: Name: Samsung Display Co., Ltd. Street Address: 95, Samsung 2 Ro, Giheung-Gu City: Yongin-City, Gyeonggi-Do Country: Republic of Korea, 446-711 Additional name(s) of receiving party(ies) attached? () Yes (X) No
3. Nature of conveyance: (X) Assignment () Security Agreement () Merger () Change of Name Execution Date: 1. August 2, 2012 2. August 2, 2012	4. US or PCT Application number(s) or US Patent number(s): (X) Patent Application No.: 13/610531 Filing Date: September 11, 2012 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.: SMDYOU.217US	6. Total number of applications and patents involved: 1
7. Total fee (37 CFR 1.21(h)): \$40 (X) Authorized to be charged to deposit account	8. Deposit account number: 11-1410 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. <div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="text-align: center;"> <u>John M. Carson</u> Name of Person Signing 34,303 Registration No. </div> <div style="text-align: center;">  Signature </div> <div style="text-align: center;"> <u>9/11/12</u> Date </div> </div> <div style="text-align: center; margin-top: 20px;"> Total number of pages including cover sheet, attachments and document: 2 </div>	

Documents transmitted via Facsimile to be recorded with required cover sheet information to:

Mail Stop Assignment Recordation Services
 Director, U.S. Patent and Trademark Office
 P.O. Box 1450
 Alexandria, VA 22313-1450
 Facsimile Number: (571) 273-0140

13730344
080212

700493218

PATENT
REEL: 028993 FRAME: 0326

CH \$40.00 111410 13610531

PATENT

Application No.: Unknown
Filing Date: Herewith

Client Code: SMDYOU,217AUS
Page 1

ASSIGNMENT

WHEREAS, I, the undersigned, have invented certain new and useful improvements in an **PIXEL AND ORGANIC LIGHT EMITTING DIODE DISPLAY USING THE SAME**, the specification of which was executed on even date herewith.

AND WHEREAS, Samsung Display Co., Ltd. (hereinafter "ASSIGNEE"), with its principal place of business at 95, Samsung 2 Ro, Giheung-Gu, Yongin-City, Gyeonggi-Do, 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 relating thereto, and all divisions, renewals 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 filed 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 legal 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: August 2, 2012

Signature: Jeong Jin Tae

Name: Jin-Tae Jeong

Address: c/o Samsung Display Co., Ltd., 95, Samsung 2 Ro,
Giheung-Gu, Yongin-City, Gyeonggi-Do, Korea

Date: August 2, 2012

Signature: Won-Kyu Kwak

Name: Won-Kyu Kwak

Address: c/o Samsung Display Co., Ltd., 95, Samsung 2 Ro,
Giheung-Gu, Yongin-City, Gyeonggi-Do, Korea

13128867 041712

PATENT

RECORDED: 09/12/2012

REEL: 028993 FRAME: 0327