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iginal documents or copy thereof.

10 the Director, 0.5. Patent and Tradenie	5/73/5
1. Name of conveying party(les): (List completes) or numbers for multiple parties)  1. Seok-Hwan Hwang 2. Young-Kook Kim 3. Yoon-Hyun Kwak 4. Jeoung-In Yi 5. Hye-Lim Lee  Additional name(s) of conveying party(les) attached?  () Yes (X) No  3. Nature of conveyance: (X) Assignment () Security Agreement () Merger () Change of Name () Other:	Name: Samsung Mobile Display Co., Ltd. Street Address: 575 Shin-dong, Yeongtong-gu City: Suwon-si State: Gyeonggi-do Country: Republic of Korea  Additional name(s) of receiving party(ies) attached?  () Yes (X) No
Execution Date: (List as in section 1 if multiple signatures)  December 23, 2008	number(s):  (X) Application(s) filed herewith  Additional numbers attached?  () Yes (X) No
<ul> <li>5. Party to whom correspondence concerning document should be mailed:</li> <li>Customer No. 20,995</li> <li>Address: Knobbe, Martens, Olson &amp; Bear, LLP 2040 Main Street, 14<sup>th</sup> Floor Irvine, CA 92614</li> <li>Return Fax: (949) 760-9502</li> <li>Attorney's Docket No.: SDIYPL.213AUS</li> </ul>	6. Total number of applications and patents involved: 1
7. Total fee (37 CFR 1.21(h)): \$40 (X) Enclosed	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.  Christopher T. Sweeney Name of Person Signing  Signature  58,110  Registration No.	

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## **ASSIGNMENT**

WHEREAS, We, Seok-Hwan Hwang, a Republic of Korea citizen, c/o Samsung Mobile Display Co., Ltd., 575 Shin-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea, Young-Kook Kim, a Republic of Korea citizen, c/o Samsung Mobile Display Co., Ltd., 575 Shindong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea, Young-Hyun Kwak, a Republic of Korea citizen, c/o Samsung Mobile Display Co., Ltd., 575 Shin-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea, Jeoung-In Yi, a Republic of Korea citizen, c/o Samsung Mobile Display Co., Ltd., 575 Shin-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea, and Hye-Lim Lee, a Republic of Korea citizen, c/o Samsung Mobile Display Co., Ltd., 575 Shin-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea, have invented certain new and useful improvements in a PHENYLCARBAZOLE COMPOUNDS, ORGANIC LIGHT EMITTING DEVICE COMPRISING THE PHENYLCARBAZOLE COMPOUNDS AND FLAT PANEL DISPLAY DEVICE COMPRISING THE ORGANIC LIGHT EMITTING DEVICE for which we have executed an application for Letters Patent in the United States, on even date herewith;

AND WHEREAS, Samsung Mobile Display Co., Ltd. (hereinafter "ASSIGNEE"), a Corporation, with its principal place of business at 575 Shin-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea desires to acquire the entire right, title, and interest in and to said improvements and said Application:

NOW, THEREFORE, in light of good and valuable consideration, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto said ASSIGNEE, successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under said improvements, and said application including all provisional applications relating thereto (including but not limited to U.S. Provisional Application No(s)., filed (respectively if plural applications)), 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 we 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 said ASSIGNEE, representatives and assigns, in accordance with the terms of this instrument.

AND WE DO HEREBY sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of said Letters Patent before or after issuance.

AND WE HEREBY covenant and agree that we will communicate to said ASSIGNEE, successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional,

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continuing and reissue applications, make all rightful oaths and generally do everything possible to aid said ASSIGNEE, successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

set my hand and seal this <u>23</u> day of
Seak-Hwan Hwang
Seok-Hwan Hwang
set my hand and seal this <u>23</u> day of
Young-Kook Kim.
set my hand and seal this 23 day of
Yoon-Hyun Kwak
set my hand and seal this <u>23</u> day of
Jeoung-In Yi
Jeoung-In Yi
et my hand and seal this 23 day of
Hye-Lim Lee
lye-Lim Lee

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**RECORDED: 01/27/2009** 

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