## PATENT ASSIGNMENT

## Electronic Version v1.1

Stylesheet Version v1.1

|   | SUBMISSION TYPE: NEW ASSIGNMENT  |   |                |  |  |
|---|--|---|----------------|--|--|
|   |  | ASSIGNMENT  |                |  |  |
| CONVEYING PARTY DATA  |  |   |                |  |  |
|   |  | Name  | Execution Date |  |  |
| Jong-Hyun Choi  |  |   | 03/19/2012     |  |  |
| Jae-Beom Choi   |  |   | 03/19/2012     |  |  |
| RECEIVING PARTY DATA  |  |   |                |  |  |
| Name:   | Samsung Mobile I   | obile Display Co., Ltd.   |                |  |  |
| Street Address:   | San #24, Nongsed   | San #24, Nongseo-dong, Giheung-gu   |                |  |  |
| City:   | Yongin-city, Gyun  | Yongin-city, Gyunggi-do   |                |  |  |
| State/Country:  | REPUBLIC OF KO   | REA   |                |  |  |
| Postal Code:  | 446-711  |   |                |  |  |
| PROPERTY NUMBERS Total: 1   |  |   |                |  |  |
| Property Type   |  | Number  |                |  |  |
| Property I  | уре  | Number  |                |  |  |
| Application Number:   |  | Number   29846  |                |  |  |
|   | 1342   |   |                |  |  |
| Application Number:   | 1342   | 29846   |                |  |  |
| Application Number:<br>CORRESPONDENCE<br>Fax Number:<br>Phone:  | <b>DATA</b><br>(949)760-950<br>9497600404  | 29846   |                |  |  |
| Application Number:<br>CORRESPONDENCE<br>Fax Number:<br>Phone:<br>Email:  | DATA<br>(949)760-950<br>9497600404<br>efiling@kmol   | 29846<br>2<br>2com  |                |  |  |
| Application Number:<br>CORRESPONDENCE<br>Fax Number:<br>Phone:<br>Email:  | DATA<br>(949)760-950<br>9497600404<br>efiling@kmol   | 29846   | ent            |  |  |
| Application Number:<br>CORRESPONDENCE<br>Fax Number:<br>Phone:<br>Email:<br><i>Correspondence will</i>  | E DATA<br>(949)760-950<br>9497600404<br>efiling@kmol   | 29846<br>2<br>2com  | ent            |  |  |
| Application Number:<br>CORRESPONDENCE<br>Fax Number:<br>Phone:<br>Email:<br><i>Correspondence will I</i><br><i>via US Mail.</i>   | DATA<br>(949)760-950<br>9497600404<br>efiling@kmol<br>be sent to the e-mai<br>: Knobbe Mart                                  | 29846<br>2<br>0.com<br><i>I address first; if that is unsuccessful, it will be s</i>  | ent            |  |  |
| Application Number:<br>CORRESPONDENCE<br>Fax Number:<br>Phone:<br>Email:<br><i>Correspondence will I</i><br><i>via US Mail.</i><br>Correspondent Name                                 | DATA<br>(949)760-950<br>9497600404<br>efiling@kmol<br>be sent to the e-mail<br>: Knobbe Mart<br>2040 Main S                  | 29846<br>2<br>2.com<br>7 <i>address first; if that is unsuccessful, it will be s</i><br>ens Olson & Bear LLP                                | ent            |  |  |
| Application Number:<br>CORRESPONDENCE<br>Fax Number:<br>Phone:<br>Email:<br><i>Correspondence will I</i><br><i>via US Mail.</i><br>Correspondent Name<br>Address Line 1:              | DATA<br>(949)760-950<br>9497600404<br>efiling@kmol<br>be sent to the e-mai<br>: Knobbe Mart<br>2040 Main S<br>Irvine, CALIF  | 29846<br>2<br>2.com<br>2 <i>address first; if that is unsuccessful, it will be s</i><br>ens Olson & Bear LLP<br>reet, 14th Floor            | ent            |  |  |
| Application Number:<br>CORRESPONDENCE<br>Fax Number:<br>Phone:<br>Email:<br><i>Correspondence will I<br/>via US Mail.</i><br>Correspondent Name<br>Address Line 1:<br>Address Line 4: | DATA<br>(949)760-950<br>9497600404<br>efiling@kmol<br>be sent to the e-mail<br>: Knobbe Mart<br>2040 Main S<br>Irvine, CALIF | 29846<br>20.com<br>2 <i>address first; if that is unsuccessful, it will be s</i><br>ens Olson & Bear LLP<br>reet, 14th Floor<br>ORNIA 92614 |                |  |  |

PATENT

Application No. Unknown Filing Date: Herewith Client Code: SMDYPL 252AUS Page 1

## ASSIGNMENT

WHEREAS, 1, the undersigned, have invented certain new and useful improvements in an THIN-FILM TRANSISTOR ARRAY SUBSTRATE, ORGANIC LIGHT EMITTING DISPLAY DEVICE INCLUDING THE SAME, AND METHOD OF MANUFACTURING THE SAME, the specification of which is filed 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, 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 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 all extensions, renewals and reissues thereof, and all extensions, renewals and reissues thereof, 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 us 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:

19 March 2012

Signature: Jong Hyun Choi

Name: Jong-Hyun Choi

Address: San #24, Nongseo-dong, Gihcung-gu, Yongin-city, Gyunggi-do, Republic of Korea Application No.: Unknown Filing Date: Herewith

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PATENT Client Code: SMDYPL.252AUS Page 2

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| Date <sup>.</sup> | 19 March 2012 | Signature:         | BEAM CHO |
|-------------------|---------------|--------------------|----------|
|                   |               | Name Jae-Beom Choi |          |

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Address: San #24. Nongsco-dong. Giheung-gu. Yongin-sity, Gyunggi-do, Republic of Korea

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> PATENT REEL: 027966 FRAME: 0846

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**RECORDED: 03/30/2012**