

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

| SUBMISSION TYPE:  | NEW ASSIGNMENT                    |               |                |                     |            |             |            |                |            |               |            |               |            |            |            |
|---|-----------------------------------|---------------|----------------|---------------------|------------|-------------|------------|----------------|------------|---------------|------------|---------------|------------|------------|------------|
| NATURE OF CONVEYANCE:   | ASSIGNMENT                        |               |                |                     |            |             |            |                |            |               |            |               |            |            |            |
| <b>CONVEYING PARTY DATA</b>   |                                   |               |                |                     |            |             |            |                |            |               |            |               |            |            |            |
| <table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Soo-Ryun CHO</td> <td>09/20/2011</td> </tr> <tr> <td>Jun Woo LEE</td> <td>09/20/2011</td> </tr> <tr> <td>Kyoung Tae KIM</td> <td>09/20/2011</td> </tr> <tr> <td>Joo Seok YEOM</td> <td>09/20/2011</td> </tr> <tr> <td>Suk Hoon KANG</td> <td>09/20/2011</td> </tr> <tr> <td>Eun Ju KIM</td> <td>09/20/2011</td> </tr> </tbody> </table> |                                   | Name          | Execution Date | Soo-Ryun CHO        | 09/20/2011 | Jun Woo LEE | 09/20/2011 | Kyoung Tae KIM | 09/20/2011 | Joo Seok YEOM | 09/20/2011 | Suk Hoon KANG | 09/20/2011 | Eun Ju KIM | 09/20/2011 |
| Name  | Execution Date                    |               |                |                     |            |             |            |                |            |               |            |               |            |            |            |
| Soo-Ryun CHO  | 09/20/2011                        |               |                |                     |            |             |            |                |            |               |            |               |            |            |            |
| Jun Woo LEE   | 09/20/2011                        |               |                |                     |            |             |            |                |            |               |            |               |            |            |            |
| Kyoung Tae KIM  | 09/20/2011                        |               |                |                     |            |             |            |                |            |               |            |               |            |            |            |
| Joo Seok YEOM   | 09/20/2011                        |               |                |                     |            |             |            |                |            |               |            |               |            |            |            |
| Suk Hoon KANG   | 09/20/2011                        |               |                |                     |            |             |            |                |            |               |            |               |            |            |            |
| Eun Ju KIM  | 09/20/2011                        |               |                |                     |            |             |            |                |            |               |            |               |            |            |            |
| <b>RECEIVING PARTY DATA</b>   |                                   |               |                |                     |            |             |            |                |            |               |            |               |            |            |            |
| Name:   | Samsung Electronics Co., Ltd.     |               |                |                     |            |             |            |                |            |               |            |               |            |            |            |
| Street Address:   | 416, Maetan-dong, Yeongtong-gu    |               |                |                     |            |             |            |                |            |               |            |               |            |            |            |
| City:   | Suwon-si, Gyeonggi-do             |               |                |                     |            |             |            |                |            |               |            |               |            |            |            |
| State/Country:  | REPUBLIC OF KOREA                 |               |                |                     |            |             |            |                |            |               |            |               |            |            |            |
| <b>PROPERTY NUMBERS Total: 1</b>  |                                   |               |                |                     |            |             |            |                |            |               |            |               |            |            |            |
| <table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13241376</td> </tr> </tbody> </table>   |                                   | Property Type | Number         | Application Number: | 13241376   |             |            |                |            |               |            |               |            |            |            |
| Property Type   | Number                            |               |                |                     |            |             |            |                |            |               |            |               |            |            |            |
| Application Number:   | 13241376                          |               |                |                     |            |             |            |                |            |               |            |               |            |            |            |
| <b>CORRESPONDENCE DATA</b>  |                                   |               |                |                     |            |             |            |                |            |               |            |               |            |            |            |
| Fax Number:   | (860)286-0115                     |               |                |                     |            |             |            |                |            |               |            |               |            |            |            |
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| Email:  | usptopatentmail@cantorcolburn.com |               |                |                     |            |             |            |                |            |               |            |               |            |            |            |
| <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>   |                                   |               |                |                     |            |             |            |                |            |               |            |               |            |            |            |
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| Address Line 2:   | 22nd Floor                        |               |                |                     |            |             |            |                |            |               |            |               |            |            |            |
| Address Line 4:   | Hartford, CONNECTICUT 06103       |               |                |                     |            |             |            |                |            |               |            |               |            |            |            |
| ATTORNEY DOCKET NUMBER:   | PNK0860US                         |               |                |                     |            |             |            |                |            |               |            |               |            |            |            |
| NAME OF SUBMITTER:  | James J. Merrick                  |               |                |                     |            |             |            |                |            |               |            |               |            |            |            |
| Total Attachments: 2<br>source=6260178#page1.tif<br>source=6260178#page2.tif  |                                   |               |                |                     |            |             |            |                |            |               |            |               |            |            |            |

**CH \$40.00 13241376**

**501673934**

**PATENT**  
**REEL: 026979 FRAME: 0822**

## ASSIGNMENT

WHEREAS WE,

**CHO, Soo-Ryun** of 107-701, Yongho Maeul E-Pyeonhangesang Apt., Gungpo 2-dong, Gunpo-si, Gyeonggi-do, Korea; **LEE, Jun Woo** of 905-301, BotdulMaeul 9 Danji Kumho Eoullim Apt., Sampyeong-dong, Bundang-gu, Seongnam-si, Gyeonggi-do, Korea; **KIM, Kyoung Tae** of 105-1706, Umi Innosville Apt., Sucheong-dong, Osan-si, Gyeonggi-do, Korea; **YEOM, Joo Seok** of 202-405, Sinbanpo Hanshin Apt., Jamwon-dong, Seocho-gu, Seoul, Korea; **KANG, Suk Hoon** of 143-1702, Jamsil Els Apt., Jamsil 2-dong, Songpa-gu, Seoul, Korea; **KIM, Eun Ju** of 925-1504, Yeongtong-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Korea;

(collectively hereinafter referred to as the "ASSIGNORS"), have invented certain new and useful improvements in:

### **EXPOSURE APPARATUS FOR PHOTOALIGNMENT PROCESS AND METHOD FOR MANUFACTURING LIQUID CRYSTAL DISPLAY**

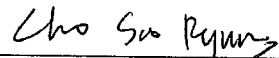
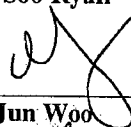
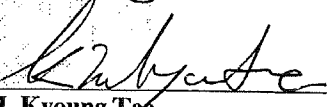
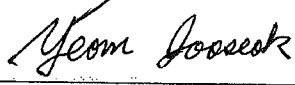
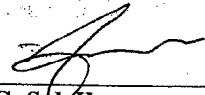
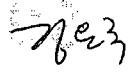
(hereinafter referred to as the "INVENTION") which claims priority to Korean Application No. 10-2011-0053971, filed on 3 June 2011; and for which we are about to file an application for a United States Patent (hereinafter collectively referred to as the "APPLICATIONS");

AND WHEREAS, **SAMSUNG ELECTRONICS CO., LTD.** (hereinafter referred to as "ASSIGNEE"), a corporation organized and existing under the laws of the Country of Korea, having a place of business at **416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea**, is desirous of acquiring an interest in any and all countries, in and to the INVENTION, the APPLICATIONS, and any and all Patents to be obtained therefor;

NOW THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for good and valuable consideration, the receipt of which is hereby acknowledged, we, the ASSIGNORS, have assigned and transferred, and hereby assign and transfer unto ASSIGNEE, the entire right, title and interest in and to the INVENTION, the APPLICATIONS, and any and all Patents that may be issued therefrom, in any and all countries, including any and all revivals, refilings, continuations, continuations-in-part, divisions and reissues thereof, to ASSIGNEE; and we do hereby agree that we will execute all papers necessary in connection with any and all patent applications when called upon to do so by ASSIGNEE, its successors or assigns, and that we will,

at the cost and expense of ASSIGNEE, fully assist and cooperate in all matters in connection with any and all patent applications and Patents issuing thereon.

The undersigned declare that all statements made herein of his own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the APPLICATIONS or any Patents issuing thereon.

|                            |   |      |
|----------------------------|---|------|
| Date: <u>Sep. 20, 2011</u> | <u></u>   | L.S. |
|                            | <b>CHO, Soo-Ryun</b>  |      |
| Date: <u>Sep. 20, 2011</u> | <u></u>   | L.S. |
|                            | <b>LEE, Jun Woo</b>   |      |
| Date: <u>Sep. 20, 2011</u> | <u></u>  | L.S. |
|                            | <b>KIM, Kyoung Tae</b>  |      |
| Date: <u>Sep. 20, 2011</u> | <u></u> | L.S. |
|                            | <b>YEOM, Joo Seok</b>   |      |
| Date: <u>Sep. 20, 2011</u> | <u></u> | L.S. |
|                            | <b>KANG, Suk Hoon</b>   |      |
| Date: <u>Sep. 20, 2011</u> | <u></u> | L.S. |
|                            | <b>KIM, Eun Ju</b>  |      |