

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2646200

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>EUI-HYUN CHUNG</td> <td>12/05/2013</td> </tr> <tr> <td>JUNG-IL LEE</td> <td>12/05/2013</td> </tr> <tr> <td>KA-KYUNG KIM</td> <td>12/05/2013</td> </tr> </tbody> </table>		Name	Execution Date	EUI-HYUN CHUNG	12/05/2013	JUNG-IL LEE	12/05/2013	KA-KYUNG KIM	12/05/2013				
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JUNG-IL LEE	12/05/2013												
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RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>LG DISPLAY CO., LTD.</td> </tr> <tr> <td>Street Address:</td> <td>128, YEQUI-DAERO</td> </tr> <tr> <td>Internal Address:</td> <td>YEONGDEUNGPO-GU</td> </tr> <tr> <td>City:</td> <td>SEOUL</td> </tr> <tr> <td>State/Country:</td> <td>KOREA, REPUBLIC OF</td> </tr> <tr> <td>Postal Code:</td> <td>150-721</td> </tr> </table>		Name:	LG DISPLAY CO., LTD.	Street Address:	128, YEQUI-DAERO	Internal Address:	YEONGDEUNGPO-GU	City:	SEOUL	State/Country:	KOREA, REPUBLIC OF	Postal Code:	150-721
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PROPERTY NUMBERS Total: 1													
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>14104156</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14104156								
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Application Number:	14104156												
CORRESPONDENCE DATA													
Fax Number:	(312)321-4299												
Phone:	3123214200												
Email:	cbrady@brinksgilson.com, rholmes@brinksgilson.com, usassignments@brinksgilson.com												
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>													
Correspondent Name:	GUSTAVO SILLER, JR.												
Address Line 1:	BRINKS GILSON & LIONE												
Address Line 2:	PO BOX 10395												
Address Line 4:	CHICAGO, ILLINOIS 60610												
ATTORNEY DOCKET NUMBER:	12576-7199												
NAME OF SUBMITTER:	GUSTAVO SILLER, JR.												

CH \$40.00 14104156

Signature:	/Gustavo Siller, Jr./
Date:	12/12/2013
Total Attachments: 3 source=12576-7199assignment#page1.tif source=12576-7199assignment#page2.tif source=12576-7199assignment#page3.tif	

# **RECORDATION FORM COVER SHEET PATENTS ONLY**

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below:

**1. Name of conveying Party(ies):**

EUI-HYUN CHUNG / DECEMBER 05, 2013  
JUNG-IL LEE / DECEMBER 05, 2013  
KA-KYUNG KIM / DECEMBER 05, 2013

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

**3. Nature of Conveyance/Execution Date(s):**

Execution Date(s): December 05, 2013

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> Assignment                      | <input type="checkbox"/> Merger         |
| <input type="checkbox"/> Security Agreement                         | <input type="checkbox"/> Change of Name |
| <input type="checkbox"/> Joint Research Agreement                   |   |
| <input type="checkbox"/> Government Interest Assignment             |   |
| <input type="checkbox"/> Executive Order 9424, Confirmatory License |   |
| <input type="checkbox"/> Other: _____                               |   |

**2. Name and Address of receiving Party(ies):**

Name: LG DISPLAY CO., LTD.

Address: 128, Yeoui-daero  
Yeongdeungpo-gu  
Seoul, 150-721  
Republic of Korea

Additional name(s) and addresses attached? ☐ Yes ☒ No

**4. Application or Patent Number(s).**

☒ This document is being filed together with a new application.

A. Patent Application No.(s):

B. Patent No.(s):

Additional numbers attached? ☐ Yes ☒ No

**5. Name and address of party to whom correspondence concerning document should be mailed:**

BRINKS GILSON & LIONE  
PO BOX 10395  
CHICAGO, IL 60610  
Phone: (312) 321-4200  
Fax: (312) 321-4299

**6. Total no. of applications & patents involved: 1****7. Total Fee (37 CFR 1.21(h) & 3.41) \$ 40.00**

- ☐ Authorize charge by credit card  
☒ Authorize charge to Deposit Account No. 23-1925  
☐ Enclosed  
☐ None required (government interest not affecting title)

**8. Payment Information:**

- a. ☐ Credit Card: Last 4 Numbers  
Expiration Date
- b. ☒ Charge fee and/or any Deficiencies to Deposit  
Account Number 23-1925  
Authorized User Name: Brinks Gilson & Lione

**9. Signature:**

/Gustavo Siller, Jr./

Signature

Gustavo Siller, Jr.

Name of Person Signing

December 12, 2013

Date

Total no. of pages including coversheet,  
attachments and documents: 3

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, PO Box 1450, Alexandria, VA 22313-1450

**ASSIGNMENT**

WHEREAS, Eui-Hyun CHUNG, Jung-Il LEE & Ka-Kyung KIM, hereinafter called the "Assignors", have made the invention described in the United States patent application entitled **ARRAY SUBSTRATE FOR LIQUID CRYSTAL DISPLAY DECIVE**, executed by Assignors on the same date as this Assignment;

WHEREAS, LG DISPLAY CO., LTD. a corporation organized and existing under the laws of Korea, having a place of business at 128, Yeoui-daero, Yeongdeungpo-gu, Seoul, 150-721, Republic of Korea, hereinafter called the "Assignee," desires to acquire the entire right, title and interest in and to the invention and the patent application identified above, and all patents which may be obtained for said invention, as set forth below;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other valuable and legally sufficient consideration, the receipt of which by the Assignors from the Assignee is hereby acknowledged, the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer to the Assignee, the entire right, title and interest for the United States in and to the invention and the patent application identified above, and any patents that may issue for said invention in the United States; together with the entire right, title and interest in and to said invention and all patent applications and patents therefore in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all continuations, divisions, renewals and extensions of any of the patent applications and patents defined above; together with the right to recover all damages, including, but not limited to, a reasonable royalty, by reason of past, present, or future infringement or any other violation of patent or patent application rights; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for all such patents.

The Assignors hereby covenant and agree, for both the Assignors and the Assignors' legal representatives, that the Assignors will assist the Assignee in the prosecution of the patent application identified above; in the making and prosecution of any other patent applications that the Assignee may elect to make covering the invention identified above; in vesting in the Assignee like exclusive title in and to all such other patent applications and patents; and in the prosecution of any interference which may arise involving said invention, or any such patent application or patent; and that the Assignors will execute and deliver to the Assignee any and all additional papers which may be requested by the Assignee to carry out the terms of this Assignment.

The Commissioner of Patents and Trademarks is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this Assignment.

IN TESTIMONY WHEREOF, the Assignors have executed this agreement.

DATE: December 05, 2013 Eui-Hyun Chung  
Eui-Hyun CHUNG

DATE: December 05, 2013 Jung-II Lee  
Jung-II LEE

DATE: December 05, 2013 Ka-Kyung KIM  
Ka-Kyung KIM