

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

| 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>Cheolse Kim</td> <td>05/10/2013</td> </tr> <tr> <td>Juhan Kim</td> <td>05/09/2013</td> </tr> <tr> <td>Manhyeop Han</td> <td>05/09/2013</td> </tr> </tbody> </table> | | Name | Execution Date | Cheolse Kim | 05/10/2013 | Juhan Kim | 05/09/2013 | Manhyeop Han | 05/09/2013 | | |
| Name | Execution Date | | | | | | | | | | |
| Cheolse Kim | 05/10/2013 | | | | | | | | | | |
| Juhan Kim | 05/09/2013 | | | | | | | | | | |
| Manhyeop Han | 05/09/2013 | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | |
| <table border="1"> <tr> <td>Name:</td> <td>LG DISPLAY CO., LTD.</td> </tr> <tr> <td>Street Address:</td> <td>128, Yeoui-daero, 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, Yeoui-daero, Yeongdeungpo-gu | City: | Seoul | State/Country: | KOREA, REPUBLIC OF | Postal Code: | 150-721 |
| Name: | LG DISPLAY CO., LTD. | | | | | | | | | | |
| Street Address: | 128, Yeoui-daero, Yeongdeungpo-gu | | | | | | | | | | |
| City: | Seoul | | | | | | | | | | |
| State/Country: | KOREA, REPUBLIC OF | | | | | | | | | | |
| Postal Code: | 150-721 | | | | | | | | | | |
| 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>13913857</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 13913857 | | | | | | |
| Property Type | Number | | | | | | | | | | |
| Application Number: | 13913857 | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | |
| Fax Number: 313214299 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Email: usassignments@brinkshofer.com, cbrady@brinkshofer.com, mcalderson@brinkshofer.com Correspondent Name: Gustavo Siller, Jr. Address Line 1: Brinks, Hofer, Gilson & Lione Address Line 2: P.O. Box 10395 Address Line 4: Chicago, ILLINOIS 60610 | | | | | | | | | | | |
| ATTORNEY DOCKET NUMBER: | 12972-8142 | | | | | | | | | | |
| NAME OF SUBMITTER: | Gustavo Siller, Jr. | | | | | | | | | | |
| Signature: | /Gustavo Siller, Jr./ | | | | | | | | | | |

Date:

06/10/2013

Total Attachments: 3

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**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):

CHEOLSE KIM / MAY 10, 2013
JUHAN KIM / MAY 09, 2013
MANHYEOP HAN / MAY 09, 2013

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

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

Execution Date(s): May 09, 2013 and May 10, 2013

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ 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 HOFER 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 Hofer Gilson & Lione

9. Signature:

/Gustavo Siller, Jr./

Signature

Gustavo Siller, Jr.

Name of Person Signing

June 10, 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, Cheolse KIM, Juhan KIM and Manhyeop HAN, hereinafter called the "Assignors", have made the invention described in the United States patent application entitled **TOUCH SENSOR INTEGRATED TYPE DISPLAY DEVICE AND METHOD OF MANUFACTURING THE SAME**, 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: | <u>10. May. 2013</u> | <u>Kim, Cheolse</u> Cheolse KIM |
| DATE: | <u>9. May. 2013</u> | <u>Juhan Kim</u> Juhan KIM |
| DATE: | <u>9. May. 2013</u> | <u>Manhyeop HAN</u> Manhyeop HAN |