

PATENT ASSIGNMENT

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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>SiHeun KIM</td> <td>07/24/2012</td> </tr> <tr> <td>Duck Jong SUH</td> <td>07/31/2012</td> </tr> <tr> <td>Won-Gap YOON</td> <td>07/24/2012</td> </tr> <tr> <td>Jieun JANG</td> <td>07/24/2012</td> </tr> <tr> <td>Jaeweon HUR</td> <td>07/24/2012</td> </tr> </tbody> </table>		Name	Execution Date	SiHeun KIM	07/24/2012	Duck Jong SUH	07/31/2012	Won-Gap YOON	07/24/2012	Jieun JANG	07/24/2012	Jaeweon HUR	07/24/2012
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<table border="1"> <tr> <td>Name:</td> <td>Samsung Display Co., Ltd.</td> </tr> <tr> <td>Street Address:</td> <td>95, Samsung 2 Ro, Giheung-Gu</td> </tr> <tr> <td>Internal Address:</td> <td>Gyeonggi-Do</td> </tr> <tr> <td>City:</td> <td>Yongin-City</td> </tr> <tr> <td>State/Country:</td> <td>KOREA, REPUBLIC OF</td> </tr> </table>		Name:	Samsung Display Co., Ltd.	Street Address:	95, Samsung 2 Ro, Giheung-Gu	Internal Address:	Gyeonggi-Do	City:	Yongin-City	State/Country:	KOREA, REPUBLIC OF		
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CORRESPONDENCE DATA													
<p>Fax Number: 7032885139 Phone: 703-288-5105 Email: patent@park-law.com <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: H.C. PARK & ASSOCIATES, PLC Address Line 1: 8500 LEESBURG PIKE Address Line 2: SUITE 7500 Address Line 4: VIENNA, VIRGINIA 22182</p>													
ATTORNEY DOCKET NUMBER:	P4913US00												
NAME OF SUBMITTER:	Hae-Chan Park												
<p>Total Attachments: 3 source=P4913US00_Assignment#page1.tif source=P4913US00_Assignment#page2.tif source=P4913US00_Assignment#page3.tif</p>													

OP \$40.00 13571132

PATENT



ASSIGNMENT

Whereas, Assignor has invented certain new and useful processes, machines, articles of manufacture, compositions of matter, and/or improvements thereof ("Invention") disclosed in

☒ an application for United States Letters Patent entitled **LIQUID CRYSTAL COMPOSITION AND LIQUID CRYSTAL DISPLAY DEVICE HAVING THE SAME** ("Application");

☐ upon which United States Letters Patent, Patent Number _____, has issued ("Patent");

Whereas, Assignor desires to convey all rights, titles, and interests in and to the same to:

Samsung Display Co., Ltd.
95, Samsung 2 Ro, Giheung-gu
Yongin-city, Gyeonggi-do
Korea

Samsung Display Co., Ltd. herein further referred to as ("Assignee").

Now, for valuable consideration by Assignee to Assignor, the receipt of which is hereby acknowledged, and for other good and valuable consideration, Assignee and Assignor hereby agree as follows:

Assignor hereby conveys, assigns, sells and transfers to Assignee all rights, title and interests in and to the Invention disclosed in said application and in and to any Letters Patent of the United States (US), any continuation, division, renewal, or substitute thereof, and hereby grant to Assignee the right to apply in its own name for patents or Inventor's certificates and related rights heretofore or hereafter filed for the Invention in any and all countries, including (without limitation) all rights to claim priority based thereon, all patents granted thereon and all reissues, extensions and renewals thereof.

Assignor hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

Assignor further covenants that Assignee will, upon Assignee's request, be provided promptly with all pertinent facts and documents relating to the Invention, Patent, Application and any patents granted thereon, as may be known and accessible to Assignor, and Assignor will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to Assignee or Assignee's legal representative any and all papers, instruments or affidavits required to apply for, protect, obtain, maintain, issue, defend and enforce the Application, Patent, Invention, whether in the US or any and all foreign countries and any patents granted thereon and/or for obtaining any reissue or reissues of any patent which may be granted for the invention and perform such further acts which may be necessary



or desirable to carry out the intent of this agreement as the Assignee thereof shall hereafter require and prepare at assignee's expense.

IN WITNESS WHEREOF, Assignor has hereunto set hand and seal.

First Inventor's Name: SiHeun KIM

Address: #708, Sanho-dong, Samsung Crystal Dormitory
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Republic of Korea

First Inventor's Signature:

김시훈

Date:

2012. 7. 24

Second Inventor's Name: Duck Jong SUH

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Seoul
Republic of Korea

Second Inventor's Signature:

서덕종

Date:

2012. 7. 31

Third Inventor's Name: Won-Gap YOON

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Suwon-si
Gyeonggi-do
Republic of Korea

Third Inventors' Signature:

윤원갑

Date:

2012. 7. 24



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Address:

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Gyeonggi-do
Republic of Korea

Fourth Inventor's Signature:

장지은

Date:

2012. 7. 24

Fifth Inventor's Name

Jaeweon HUR

Address:

112-1502, Lotte Nakcheondae Apt.
Hwamyeong 3-dong, Buk-gu
Busan
Republic of Korea

Fifth Inventor's Signature:

허재원

Date:

2012. 07. 24