

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>Dong-Gyu KIM</td><td>01/20/2011</td></tr><tr><td>Hye-Seok NA</td><td>01/20/2011</td></tr><tr><td>Mee-Hye JUNG</td><td>01/20/2011</td></tr><tr><td>Dong-Hyeon KI</td><td>01/20/2011</td></tr><tr><td>Se-Hyoung CHO</td><td>01/20/2011</td></tr></tbody></table>	Name	Execution Date	Dong-Gyu KIM	01/20/2011	Hye-Seok NA	01/20/2011	Mee-Hye JUNG	01/20/2011	Dong-Hyeon KI	01/20/2011	Se-Hyoung CHO	01/20/2011	
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Se-Hyoung CHO	01/20/2011												
RECEIVING PARTY DATA													
Name:	Samsung Electronics Co., Ltd.												
Street Address:	416 Maetan-dong, Yeongtong-gu												
Internal Address:	Gyeonggi-do												
City:	Suwon-si												
State/Country:	REPUBLIC OF KOREA												
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>13155868</td></tr></tbody></table>	Property Type	Number	Application Number:	13155868									
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Application Number:	13155868												
CORRESPONDENCE DATA													
Fax Number: (703)288-5139 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
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Total Attachments: 3 source=P4032US00_ExecutedAssignment#page1.tif source=P4032US00_ExecutedAssignment#page2.tif source=P4032US00_ExecutedAssignment#page3.tif													

OP \$40.00 13155868

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PATENT
REEL: 026411 FRAME: 0448



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 DISPLAY DEVICE** ("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 Electronics Co., Ltd.
416 Maetan-dong, Yeongtong-gu
Gyeonggi-do
Suwon-si
Republic of Korea

Samsung Electronics 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.

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Date:

11. 01. 20

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Hye - Seok Na

Date:

11. 1. 20

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11. 1. 20

Date:

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Date: 11.1.20

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Fifth Inventor's Signature:

Se-hyoung Cho
Date: 11.1.20