

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4054674

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the ASSIGNEE COUNTRY FROM "KOREA, DEMOCRATIC PEOPLE'S REPUBLIC OF" TO --KOREA, REPUBLIC OF-- previously recorded on Reel 039667 Frame 0455. Assignor(s) hereby confirms the ASSIGNEE'S ADDRESS COUNTRY IS KOREA, REPUBLIC OF AS LISTED ON THE ORIGINAL ASSIGNMENT.

CONVEYING PARTY DATA

Name	Execution Date
JUNGHWAN HWANG	05/18/2016
SEHYOUNG CHO	07/02/2016

RECEIVING PARTY DATA

Name:	SAMSUNG DISPLAY CO., LTD.
Street Address:	1, SAMSUNG-RO, GIHEUNG-GU
City:	YONGIN-SI, GYEONGGI-DO
State/Country:	KOREA, REPUBLIC OF
Postal Code:	17113

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15227924

CORRESPONDENCE DATA

Fax Number: (626)577-8800
Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 626-795-9900
Email: pto@lrrc.com
Correspondent Name: LEWIS ROCA ROTHGERBER CHRISTIE LLP
Address Line 1: P.O. BOX 29001
Address Line 4: GLENDALE, CALIFORNIA 91209-9001

ATTORNEY DOCKET NUMBER:	79950 JEJ/MMS/CLM
NAME OF SUBMITTER:	CHRISTINA L. MALINOSKY
SIGNATURE:	/Christina L. Malinosky/
DATE SIGNED:	09/15/2016

Total Attachments: 7

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source=CorrectiveAssignment#page7.tif

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1

Stylesheet Version v1.2

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT						
NATURE OF CONVEYANCE:	Corrective Assignment to correct the CORRECT ASSIGNEE'S COUNTRY FROM "JAPAN" TO --KOREA-- previously recorded on Reel 039336 Frame 0417. Assignor(s) hereby confirms the ASSGINEE'S COUNTRY OF RESIDENCE IS KOREA, NOT JAPAN..						
CONVEYING PARTY DATA							
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>JUNGHWAN HWANG</td> <td>05/18/2016</td> </tr> <tr> <td>SEHYOUNG CHO</td> <td>07/02/2016</td> </tr> </tbody> </table>		Name	Execution Date	JUNGHWAN HWANG	05/18/2016	SEHYOUNG CHO	07/02/2016
Name	Execution Date						
JUNGHWAN HWANG	05/18/2016						
SEHYOUNG CHO	07/02/2016						
RECEIVING PARTY DATA							
Name:	SAMSUNG DISPLAY CO., LTD.						
Street Address:	1, SAMSUNG-RO, GIHEUNG-GU						
City:	YONGIN-SI, GYEONGGI-DO						
State/Country:	KOREA, DEMOCRATIC PEOPLE'S REPUBLIC OF						
Postal Code:	17113						
PROPERTY NUMBERS Total: 1							
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>15227924</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	15227924		
Property Type	Number						
Application Number:	15227924						
CORRESPONDENCE DATA							
Fax Number:	(626)577-8800						
Phone:	626-795-9900						
Email:	pto@lrrc.com						
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>							
Correspondent Name:	LEWIS ROCA ROTHGERBER CHRISTIE LLP						
Address Line 1:	P.O. BOX 29001						
Address Line 4:	GLENDAL, CALIFORNIA 91209-9001						
ATTORNEY DOCKET NUMBER:	79950 JEJ/CLM						

PATENT

REEL: 040053 FRAME: 0970

NAME OF SUBMITTER:	CHRISTINA L. MALINOSKY
Signature:	/Christina L. Malinosky/
Date:	08/12/2016
Total Attachments: 5 source=79950AssignmentCover#page1.tif source=79950AssignmentCover#page2.tif source=79950AssignmentCover#page3.tif source=79950AssignmentCover#page4.tif source=79950AssignmentCover#page5.tif	
RECEIPT INFORMATION	
EPAS ID:	PAT4004653
Receipt Date:	08/12/2016

PATENT**REEL: 040053 FRAME: 0971**

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JUNGHWAN HWANG	05/18/2016
SEHYOUNG CHO	07/02/2016
RECEIVING PARTY DATA	
Name:	SAMSUNG DISPLAY CO., LTD.
Street Address:	1, SAMSUNG-RO, GIHEUNG-GU
City:	YONGIN-SI, GYEONGGI-DO
State/Country:	JAPAN
Postal Code:	17113
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15227924
CORRESPONDENCE DATA	
Fax Number:	(626)577-8800
Phone:	626-795-9900
Email:	pto@lrrc.com
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Correspondent Name:	LEWIS ROCA ROTHGERBER CHRISTIE LLP
Address Line 1:	P.O. BOX 29001
Address Line 4:	GLENDALE, CALIFORNIA 91209-9001
ATTORNEY DOCKET NUMBER:	79950 JEJ/MMS
NAME OF SUBMITTER:	CHRISTINA L. MALINOSKY

PATENT

REEL: 040053 FRAME: 0972

Signature:	/Christina L. Malinosky/
Date:	08/03/2016
Total Attachments: 3 source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif	
RECEIPT INFORMATION	
EPAS ID:	PAT3991901
Receipt Date:	08/03/2016

PATENT**REEL: 040053 FRAME: 0973**

**INVENTOR'S DECLARATION AND ASSIGNMENT
FOR PATENT APPLICATION**

Docket No.: 79950/411601

**INVENTOR'S DECLARATION AND ASSIGNMENT
FOR PATENT APPLICATION**

PATENT

Title of Invention: GATE DRIVING CIRCUIT AND DISPLAY DEVICE INCLUDING THE
SAME

Docket No.: 79950/411601

INVENTOR'S DECLARATION

As a below named inventor, I hereby declare that:

This declaration is directed to the attached application unless the following is checked:

United States Application or PCT International Application Number
_____ filed on _____.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the
above-identified application.

I have reviewed and understand the contents of the above-identified application, including the
claims.

I acknowledge the duty to disclose information which is material to patentability as defined in
37 C.F.R. § 1.56, including for continuation-in-part applications, material information which
became available between the filing date of the prior application and the national or PCT
international filing date of the continuation-in-part application.

I acknowledge that any willful false statement made in this declaration is punishable under
18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both.

ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby
acknowledged, the undersigned,

(1) Junghwan HWANG and Sehyoung CHO

HEREBY SELL(S), ASSIGN(S) AND TRANSFER(S) TO

(2) SAMSUNG DISPLAY CO., LTD.

SDC Ref No. LL-201510-097-1-US0

Attorney Ref No. S1440:79950

KORYO IP & LAW

INVENTOR'S DECLARATION AND ASSIGNMENT
FOR PATENT APPLICATION

Docket No.: 79950/411601

having a place of business at

(3) 1, Samsung-Ro, Giheung-Gu, Yongin-Si, Gyeonggi-Do, Korea

(hereinafter called "ASSIGNEE") the entire right, title and interest in and to any and all improvements which are disclosed in the application for United States Letters Patent entitled

(4) GATE DRIVING CIRCUIT AND DISPLAY DEVICE INCLUDING THE SAME

which application executed on even date herewith or was

(a) executed on (5a): _____;

(b) filed on (5b): August 3, 2016;

Application No.: 15/227,924;

(LEWIS ROCA ROTHGERBER CHRISTIE
LLP, 29001, Glendale, CA 91209-9001) is
hereby authorized to insert in (b) the specified
data, when known.

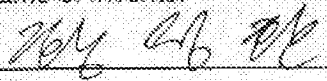
including any and all United States Patents which may be granted on said application, and any and all extensions, divisions, reissues, substitutes, renewals or continuations of said application and patents, and the right to all benefits under all international conventions for the protection of industrial property and applications for said improvements.

It is hereby authorized and requested that the Commissioner of Patents issue any and all of said Letters Patent, when granted, to said ASSIGNEE, its assigns or its successors in interest or its designee.

Upon said consideration, it is further agreed that, when requested, without charge to but at the expense of said ASSIGNEE, the undersigned will execute all divisional, continuing, substitute, renewal, and reissue patent applications; execute all rightful other papers; and generally do everything possible which said ASSIGNEE shall consider desirable for aiding in securing and maintaining patent protection as provided herein.

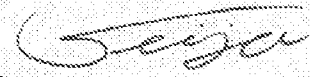
Junghwan HWANG
Legal Name of Inventor

2016.05.18
Date


Signature

Sehyoung CHO
Legal Name of Inventor

2016.1.2
Date


Signature

SDC Ref No. LL-201510-097-1-USO

Attorney Ref No. S1440:79950

KORYO IP & LAW

**INVENTOR'S DECLARATION AND ASSIGNMENT
FOR PATENT APPLICATION**

Docket No.: 79950/411601

WITNESSES:

SMM PAS1408193.1 * 03/15/16 11:16 AM

SDC Ref No. LL-201510-097-1-US0

Attorney Ref No. S1440:79950

KORYO IP & LAW

삼성전자(주) (Samsung Electronics Co., Ltd.) (LCD) 150272157/2015/518141015

089301463548766

RECORDED: 09/15/2016

**PATENT
REEL: 040053 FRAME: 0976**