

# PATENT ASSIGNMENT

Electronic Version v1.1  
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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Hyun-Wuk KIM</td> <td>05/06/2010</td> </tr> <tr> <td>Sung-Tae SHIN</td> <td>07/19/2010</td> </tr> <tr> <td>Kyeong-Hyeon KIM</td> <td>05/06/2010</td> </tr> </tbody> </table>		Name	Execution Date	Hyun-Wuk KIM	05/06/2010	Sung-Tae SHIN	07/19/2010	Kyeong-Hyeon KIM	05/06/2010		
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<b>RECEIVING PARTY DATA</b>											
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>SAMSUNG ELECTRONICS CO., LTD.</td> </tr> <tr> <td>Street Address:</td> <td>416, Maetan-dong, Yeongtong-gu</td> </tr> <tr> <td>Internal Address:</td> <td>Suwon-Si</td> </tr> <tr> <td>City:</td> <td>Gyeonggi-do</td> </tr> <tr> <td>State/Country:</td> <td>REPUBLIC OF KOREA</td> </tr> </table>		Name:	SAMSUNG ELECTRONICS CO., LTD.	Street Address:	416, Maetan-dong, Yeongtong-gu	Internal Address:	Suwon-Si	City:	Gyeonggi-do	State/Country:	REPUBLIC OF KOREA
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<b>PROPERTY NUMBERS Total: 1</b>											
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<b>CORRESPONDENCE DATA</b>											
<p>Fax Number: (408)725-8263  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 408 331 1670        Email: rorlando@innovationcounsel.com</p> <p>Correspondent Name: Innovation Counsel LLP        Address Line 1: 21771 Stevens Creek Blvd        Address Line 2: Ste. 200        Address Line 4: Cupertino, CALIFORNIA 95014</p>											
ATTORNEY DOCKET NUMBER:	21ST03413 US										
NAME OF SUBMITTER:	Kieun "Jenny" Sung										
<p>Total Attachments: 4          source=21ST03413US_ASG_EF#page1.tif</p>											

OP \$40.00 12840202

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**PATENT**  
**REEL: 024721 FRAME: 0751**

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source=21ST03413US\_ASG\_EF#page3.tif  
source=21ST03413US\_ASG\_EF#page4.tif

## ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, we

**Hyun-Wuk KIM** of LCD Technology 1 Team, LCD Industry  
Development 1 Team, Samsung  
Electronics Co., #200, Myeong-am-ri,  
Tangjeong-myeon, Asan-si,  
Chungcheongnam-do, Korea

**Sung-Tae SHIN** of 301-1802 Cheongmyeong Maeul Daewoo  
Apt., Yeongtong 1-dong, Yeongtong-gu,  
Suwon-si, Gyeonggi-do, Korea

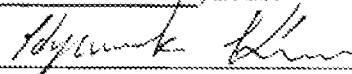
**Kyeong-Hyeon KIM** of 113-1501 Kumho bestville Apt., #34,  
Sunae-dong, Bundang-gu, Seongnam-si,  
Gyeonggi-do, Korea

hereby sell, assign and transfer to **Samsung Electronics Co., Ltd.** a corporation, having a  
place of business at 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of  
Korea, its successors and assigns, the entire right, title and interest throughout the world in  
our invention in

### **DISPLAY SUBSTRATE, METHOD OF MANUFACTURING THE DISPLAY SUBSTRATE, AND DISPLAY DEVICE HAVING THE DISPLAY SUBSTRATE**

for which we have executed a United States patent application on or about the date of this  
assignment, and all patent applications and patents of every country for said invention,  
including divisions, reissues, continuations and extensions thereof, and all rights of priority  
resulting from the filing of said applications; we authorize the above-named assignee to apply  
for patents of foreign countries for said invention, and to claim all rights of priority without  
further authorization from us; we agree to execute all papers useful in connection with said  
United States and foreign applications, and generally to do everything possible to aid said  
assignee, its successors, assigns and nominees, at their request and expense, in obtaining and  
enforcing patents for said invention in all countries; and we request that the United States  
Patent and Trademark Office issue all patents granted for said invention to the above-named  
assignee, its successors and assigns.

Executed this 6 day of May, 2010.

  
Hyun-Wuk KIM


WITNESSED:

Signature

Date

Type or print name of witness

Executed this \_\_\_\_\_ day of \_\_\_\_\_, 2010.

  
Sung-Tae SHIN

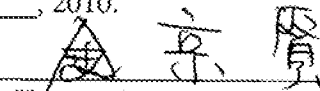
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Kyeong-Hyeon KIM

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Suwon-si, Gyeonggi-do, Korea

**Kyeong-Hyun KIM** of 113-1501 Kumho bestville Apt., #14,  
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Patent and Trademark Office issue all patents granted for said invention to the above-named  
assignee, its successors and assigns.

Executed this \_\_\_\_\_ day of \_\_\_\_\_, 2010

## Free-Will Risk

~~W-NN-NN-NN~~

## Signature

Date:

Type or print name of witness

Executed this 14<sup>th</sup> day of July, 1918.

~~Sung-Tae SIKH~~

WITNESSED:

## Signature

**Das:**

Type or press name of witness:

Executed this \_\_\_\_\_ day of \_\_\_\_\_, 2016.

**Kyeong-Hoan KIM**

WITNESSED:

## References

# Case

1 year or greater history of withdrawal

