

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT6457180

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
KOOK-HYUN CHOI	12/30/2013
HYO-TAEK LIM	12/30/2013
DONG-HO SHIN	12/30/2013
YOUNG-JE CHO	12/30/2013
YONG-JO KIM	12/30/2013
SANG-YONG NO	12/30/2013
SUNG-HOON KIM	01/17/2014
HYO-SEOP KIM	12/30/2013
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SAMSUNG DISPLAY CO., LTD.
<b>Street Address:</b>	1, SAMSUNG-RO, GIHEUNG-GU
<b>City:</b>	YONGIN-SI, GYEONGGI-DO
<b>State/Country:</b>	KOREA, REPUBLIC OF
<b>Postal Code:</b>	17113
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	17124575
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>	
<b>Phone:</b>	04083311670
<b>Email:</b>	jkim@innovationcounsel.com
<b>Correspondent Name:</b>	KIEUN SUNG
<b>Address Line 1:</b>	2890 ZANKER ROAD
<b>Address Line 2:</b>	SUITE 200
<b>Address Line 4:</b>	SAN JOSE, CALIFORNIA 95134
<b>ATTORNEY DOCKET NUMBER:</b>	21ST03411-4C US
<b>NAME OF SUBMITTER:</b>	KYU WAN RYU
<b>SIGNATURE:</b>	/Kyu Wan Ryu/

PATENT

<b>DATE SIGNED:</b>	12/17/2020
	This document serves as an Oath/Declaration (37 CFR 1.63).
<b>Total Attachments: 10</b> source=20201217_21ST03411-4CUS_DecAssign_EF#page1.tif source=20201217_21ST03411-4CUS_DecAssign_EF#page2.tif source=20201217_21ST03411-4CUS_DecAssign_EF#page3.tif source=20201217_21ST03411-4CUS_DecAssign_EF#page4.tif source=20201217_21ST03411-4CUS_DecAssign_EF#page5.tif source=20201217_21ST03411-4CUS_DecAssign_EF#page6.tif source=20201217_21ST03411-4CUS_DecAssign_EF#page7.tif source=20201217_21ST03411-4CUS_DecAssign_EF#page8.tif source=20201217_21ST03411-4CUS_DecAssign_EF#page9.tif source=20201217_21ST03411-4CUS_DecAssign_EF#page10.tif	

**DECLARATION FOR PATENT APPLICATION  
AND ASSIGNMENT**

As a below-named inventor, we:

<b>Kook-Hyun CHOI</b>	of	101-505 Gyeongnam Apt., Siheung 4-dong, Geumcheon-gu, Seoul, Korea,
<b>Hyo-Taek LIM</b>	of	103-1403 Dongil Hivill Apt., Yonggok- dong, Dongnam-gu, Cheonan-si, Chungcheongnam-do, Korea,
<b>Dong-Ho SHIN</b>	of	102-706 Parktown Daerim Apt., Sunae-dong, Bundang-gu, Seongnam-si, Gyeonggi-do, Korea,
<b>Young-Je CHO</b>	of	405-101 Dujong 4 Cha Purgio Apt., #666, Dujong-dong, Seobuk-gu, Cheonan-si, Chungcheongnam-do, Korea,
<b>Yong-Jo KIM</b>	of	202-906 Hyundai Apt., Hongseon 3-dong, Seodaemun-gu, Seoul, Korea
<b>Sang-Yong NO</b>	of	507-503 Byeoksan 5 Danji Apt., #266-3, Siheung 2-dong, Geumcheon-gu, Seoul, Korea,
<b>Sung-Hoon KIM</b>	of	102-1103 Gwanak Dreamtown Apt., Seonghyeon-dong, Gwanak-gu, Seoul, Korea and
<b>Hyo-Seop KIM</b>	of	#389-28 Daga-dong, Dongnam-gu, Cheonan- si, Chungcheongnam-do, Korea

believe that we are the original inventors of the subject matter (process, machine,  
manufacture, composition of matter, or an improvement thereof) that is claimed and for  
which a patent is sought by way of the application entitled

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

which X is attached hereto.

\_\_\_ was filed on \_\_\_\_\_ as Application Serial No.  
\_\_\_\_\_.

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

We hereby 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.

We hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) of any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

Prior Foreign Application(s)			Priority Claimed	
Number	Country	Day/Month/Year Filed	Yes	No
10-2009-0099436	Republic of Korea	19/10/2009	<input type="checkbox"/>	<input type="checkbox"/>

We hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

Provisional Application Number	Filing Date

FURTHER, for good and valuable consideration, receipt of which is hereby acknowledged, we hereby sell, assign and transfer to **Samsung Display Co., Ltd.** a corporation, having a place of business at 95 Samsung 2 Ro, GiHeung-Gu, Yongin City, Gyeonggi-Do, Republic of Korea, its successors and assigns, the entire right, title and interest throughout the world in the invention for which a patent is sought by way of the above-identified application, 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 30 day of December, 2013.

Young-Je CHO

**Young-Je CHO**

WITNESSED:

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Type or print name of witness

Executed this 30 day of 12, 2013.

Yong-Jo KIM

**Yong-Jo KIM**

WITNESSED:

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Type or print name of witness

Executed this 30 day of December, 2013.

Sang-Yong NO

**Sang-Yong NO**

WITNESSED:

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Type or print name of witness

Executed this 30 day of December, 2013.

Kook-Hyun CHOI

**Kook-Hyun CHOI**

WITNESSED:

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Type or print name of witness

Executed this 30 day of 12, 2013.

Hyo-Taek Lim

**Hyo-Taek LIM**

WITNESSED:

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Type or print name of witness

Executed this 30 day of 12, 2013.

Dong-Ho SHIN

**Dong-Ho SHIN**

WITNESSED:

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Type or print name of witness

Executed this \_\_\_\_\_ day of \_\_\_\_\_, 2013.

\_\_\_\_\_  
**Sung-Hoon KIM**

WITNESSED:

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Type or print name of witness

Executed this 30 day of 12, 2013.

\_\_\_\_\_  
**Hyo-Seop KIM**

WITNESSED:

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Type or print name of witness

# DECLARATION FOR PATENT APPLICATION AND ASSIGNMENT

As a below-named inventor, we:

<b>Kook-Hyun CHOI</b>	of	101-505 Gyeongnam Apt., Siheung 4-dong, Geumcheon-gu, Seoul, Korea,
<b>Hyo-Taek LIM</b>	of	103-1403 Dongil Hivill Apt., Yonggok- dong, Dongnam-gu, Cheonan-si, Chungcheongnam-do, Korea,
<b>Dong-Ho SHIN</b>	of	102-706 Parktown Daerim Apt., Sunae-dong, Bundang-gu, Seongnam-si, Gyeonggi-do, Korea,
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believe that we are the original inventors of the subject matter (process, machine, manufacture, composition of matter, or an improvement thereof) that is claimed and for which a patent is sought by way of the application entitled

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

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Executed this \_\_\_\_\_ day of \_\_\_\_\_, 2014.

\_\_\_\_\_  
**Kook-Hyun CHOI**

WITNESSED:

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Type or print name of witness

Executed this \_\_\_\_\_ day of \_\_\_\_\_, 2014.

\_\_\_\_\_  
**Hyo-Taek LIM**

WITNESSED:

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Type or print name of witness

Executed this \_\_\_\_\_ day of \_\_\_\_\_, 2014.

\_\_\_\_\_  
**Dong-Ho SHIN**

WITNESSED:

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Type or print name of witness

Executed this \_\_\_\_ day of \_\_\_\_\_, 2014.

\_\_\_\_\_  
**Young-Je CHO**

WITNESSED:

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Type or print name of witness

Executed this \_\_\_\_ day of \_\_\_\_\_, 2014.

\_\_\_\_\_  
**Yong-Jo KIM**

WITNESSED:

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Type or print name of witness

Executed this \_\_\_\_ day of \_\_\_\_\_, 2014.

\_\_\_\_\_  
**Sang-Yong NO**

WITNESSED:

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Type or print name of witness

Executed this 17<sup>th</sup> day of January, 2014.

Sung Hoon Kim

**Sung-Hoon KIM**

WITNESSED:

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Type or print name of witness

Executed this \_\_\_\_\_ day of \_\_\_\_\_, 2014.

\_\_\_\_\_  
**Hyo-Seop KIM**

WITNESSED:

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Type or print name of witness