504958336 06/13/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SANGHO PARK	04/06/2018
TAEHYUN KIM	04/06/2018
SEUNGMIN LEE	04/06/2018

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15959602

CORRESPONDENCE DATA

Fax Number: (860)286-0115

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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Correspondent Name: JAMES J. MERRICK, CANTOR COLBURN LLP

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Address Line 4: HARTFORD, CONNECTICUT 06103

ATTORNEY DOCKET NUMBER:	21C1019US
NAME OF SUBMITTER:	JAMES J. MERRICK
SIGNATURE:	/James J. Merrick/
DATE SIGNED:	06/13/2018

Total Attachments: 4

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PATENT 504958336 REEL: 046076 FRAME: 0042

COMBINED DECLARATION (37 CFR §1.63) FOR UTILITY PATENT APPLICATION AND ASSIGNMENT FORM¹

The undersigned acknowledges that this document is being used both as an assignment of the invention and as the declaration (37 CFR 1.63) for a Litility or Design Application. WHEREAS, the undersigned, hereinafter referred to collectively as Assignor, has invented: Title DISPLAY DEVICE AND ELECTRONIC DEVICE INCLUDING THE SAME for which Assignor is about to make or has made United States or International application for patent. WHEREAS, as a below named inventor(s), I/(we) hereby declare that: Section I. Declaration This declaration is directed to: \boxtimes The attached U.S. non-provisional patent application, or PCT international patent application number _______, filed on The above-identified application was made or authorized to be made by me (us). I (we) believe that I am (we are) the original inventor (original joint inventors) of a claimed invention in the above-identified application. I (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. ¹ This form requires the use of an Application Data Sheet. SDC Ref No. LO-201701-010-1-U50 Attorney Ref No. 21C1019US 21 세기록허법률시무소(DYS012US)

COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY PATENT APPLICATION AND ASSIGNMENT FORM Page 1 of 4

SAMSUNG DISPLAY CO., LTD.

I hereby state that I have reviewed and understand the contents of the above identified application, including the claims.

I acknowledge that I am aware of the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.

Section II. Assignment

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, the undersigned hereby sell(s) and assign(s) to

Samsung Display Co., Ltd.

having an address at 1, Samsung-ro, Giheung-Gu, Yongin-si, Gyeonggi-Do, Republic of Korea (hereinafter designated as the Assignee), the entire (100%) right, title and interest for the United States as defined in 35 USC §100, in the invention described in the application identified in Section Lof this document.

Assignor hereby confirms any prior assignment to Assignee, and to the extent that Assignor has not already done so, agrees to assign, and hereby does, sell, assign and transfer unto Assignee and its successors in interest, the full and exclusive right, title and interest in the United States of America and throughout the world, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the inventions as described in the aforesaid application, to the aforesaid application itself, and all divisions, continuations, continuations-in-part, or other applications claiming priority directly or indirectly from the aforesaid application, and any United States or foreign Letters Patent, utility model, or other similar rights which may be granted thereon, including reissues, reexaminations and extensions thereof, and all copyright rights throughout the world in the aforesaid application and the subject matter disclosed therein, these rights, title and interest to be held and enjoyed by Assignee to the full end of the term for which the Letters Patent, utility model, or other similar rights, are granted and any extensions thereof as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and the right to sue for, and recover for past infringements of, or liabilities for, any of the rights relating to any of the applications, patents, utility models, or other similar rights, resulting therefrom, and the copyright rights:

Assignor hereby covenants and agrees to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent, utility model, or other similar rights, and for copyright, in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation-in-part,

SDC Ref No.

LO-201701-010-1-US0

Attorney Ref No.

21C1019US

21 相기零허범器사무소(DVS012US)

COMBINED DECLARATION (37 CFR. 1.63) FOR UTILITY PATENT APPLICATION AND ASSIGNMENT FORM Page 2 of 4

SAMSUNG DISPLAY CO., LTD.

divisional, renewal or substitute thereof, and as to letters patent any reissue, reexamination, or extension thereof, and for litigation regarding, or for the purpose of
protecting title and to the said invention, the United States application for patent, or Letters
Patent therefor, and to testify in support thereof, for the benefit of Assignee without further
or other compensation than that above set forth;

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

Assignor hereby requests the United States Patent and Trademark Office to issue the Letters Patent of the United States of America to Assignee, and requests that any official of any country or countries foreign to the United States, whose duty it is to issue or grant patents and applications as aforesaid, to issue the Letters Patent, Utility Model Registration or other similar right to Assignee.

The undersigned hereby grant(s) the law firm of Cantor Colburn LLP the power to insert on this Declaration and Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

Section III. Inventor(s)/Assignor(s) Signature(s)

LEGAL NAME OF FIRST	Family Name		Second Given Name
INVENTOR/ASSIGNOR	PARK	SANGHO	
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SIGNATURE _	Sizh Perk	DATE	2018/4/6

SDC Ref No.	LO-201701-010-1-USO	Attorney Ref No	Z1C1019US
		21.48	기통하면器사육소(BYSG1205)

SAMSUNG DISPLAY CO., LTD.

DATE 2018, 4-, 6
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LEGAL NAME OF	Family Name	First Given Name	Second Given Name
THIRD NVENTOR/ASSIGNOR	£££	- SEUNGMIN	
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SDC Ref No. 10-201701-010-1-USO Attorney Ref No. 21C1019US 21 내기목하업을 사무소(0YS012US)

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PATENT REEL: 046076 FRAME: 0046

RECORDED: 06/13/2018