PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
GWANGSOO AHN	04/06/2020
DAE-SIK LEE	04/06/2020
JONG JAE LEE	04/06/2020

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:	16857106

CORRESPONDENCE DATA

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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.

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ATTORNEY DOCKET NUMBER:	21ST03784 US
NAME OF SUBMITTER:	KIEUN SUNG-IKEGAMI
SIGNATURE:	/Kieun Sung-Ikegami/
DATE SIGNED:	04/23/2020
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 4

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PATENT REEL: 052482 FRAME: 0239

COMBINED DECLARATION (37 CFR §1.63) FOR UTILITY OR DESIGN 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 Utility or Design Application.

WHEREAS, the undersigned, hereinafter referred to collectively as Assignor, has invented:

Title:	DISPLAY DE	VICE HAVING PO	WER MANA(SEMENT CIRCU	
for which Ass	signor is about to make	or has made Uni	ted States o	r international :	application for
*	a below named inven	tor(s), i/(we) here	by declare t	hat:	
Section I. De This declarat	claration on is directed to:				
	The attached U.S. non-p	provisional patent	application	, or	
	J.S. non-provisional pa		umber	, file	ខ្មត់ ទួក
	PCT international pa	tent application r	umber		, filed on
The above-io	entified application wa	is made or author	rized to be n	nade by me (us)	ì.
	e that I am (we are) the the above-identified ap		(original joi	nt inventors) of	a claimed
³ This form re	quires the use of an Applica				
SDC Ref No.	L-201906-018-1 -US0	FA Ref No.: DY7	216US	Attorney Ref	No.: 21 ⁵¹ 03784 US
COMBINED	DECLARATION (37 CFR 1	.63) FOR UTILITY PA Page 1 of	NTENT APPLIC	ation and assi	GNMENT FORM

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21 세기록허법攀사무소

SAMSUNG DISPLAY CO., LTD.

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.

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.

<u>Power of Attorney:</u> I/we hereby appoint as my attorneys, with full powers of substitution and revocation, to prosecute this application and transact all business in the Patent and Trademark Office practitioners associated with Customer Number 90323.

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 I of 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, seil, 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

SDC Ref No.: LL-201906-018-1 -US0

FA Ref No.: DY7216US

Attorney Ref No.: 21⁵⁷03784 US

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

21 세기록허법률사무소

PATENT REEL: 052482 FRAME: 0241 SAMSUNG DISPLAY CO., LTD.

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, divisional, renewal or substitute thereof, and as to letters patent any reissue, re-examination, 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 Innovation Counsel LLP the power to insert on this Deciaration 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.

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

LEGAL NAME OF	First Given Name	Second Given Name	Family Name
FIRST INVENTOR/ASSIGNOR	Gwangsoo		AHN
	ling gang 50	DATE	2020 : 4,6

SECOND			
INVENTOR/ASSIGNOR	Dae-Sik		LEE
SIGNATURE	Lee One S	/c DATE	2020, V. 6

1472ay. 1	LEGAL NAME OF		Second Given Name	Family Name
	THIRD INVENTOR/ASSIGNOR	est gnot		LEE
*******	SIGNATURE	Nac Tona Joa	3TAC	20 Q2 + H- f

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Attorney Ref No.: 21 03784 US

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RECORDED: 04/23/2020