504724470 01/11/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MYUNG HWAN KIM	10/30/2017
SUK HOON KANG	11/02/2017
MIN JAE KIM	11/02/2017
HEE RA KIM	11/02/2017
BEOM SOO SHIN	11/02/2017
HONG YEON LEE	11/02/2017
BAEK KYUN JEON	11/02/2017

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:	15867882

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	310/1118_00
NAME OF SUBMITTER:	SAMUEL W. NTIROS
SIGNATURE:	/Samuel W. Ntiros/
DATE SIGNED:	01/11/2018

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Total Attachments: 5 source=Combined_Decl_and_Assignment#page1.tif source=Combined_Decl_and_Assignment#page2.tif source=Combined_Decl_and_Assignment#page3.tif source=Combined_Decl_and_Assignment#page4.tif source=Combined_Decl_and_Assignment#page5.tif

PATENT REEL: 044593 FRAME: 0540

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 Utility or Design Application.

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

for which As patent.	signor is about to make or has ma	ade United States or Inte	ernational application for
WHEREAS,	as a below named inventor(s), I/(we) hereby declare that	
Section I. D	eclaration		
This declarati	ion is directed to the attached U.S narked:	S. non-provisional paten	t application, unless the
	U.S. non-provisional patent app		, filed on
Π.	PCT international patent applic	ation number	filed on
The above-ide	entified application was made or	authorized to be made b	y me (us).
	that I am (we are) the original in the above-identified application.	iventor (original joint in	ventors) of a claimed
I (we) hereby under 18 U.S.	acknowledge that any willful fal C. 1001 by fine or imprisonment	se statement made in thi of not more than five (s declaration is punishable 5) years, or both.
	that I have reviewed and underst cluding the claims.	and the contents of the a	above identified
	e that I am aware of the duty to d is defined in 37 CFR § 1.56.	isclose information which	ch is material to
This form requ	uires the use of an Application Data She	pet.	
SDC Ref No.	LO-201703-086-1-US0 KASAN Ref N ED DECLARATION (37 CFR 1.63	Attorney Ref No Io. SMP170052US) FOR UTILITY PATEN	310/1118 00 F APPLICATION AND

공명환/12412670/EVEN개발그룹(OLED)/1190207114/20171030074108

<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 27849.

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 17113, 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, 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, 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;

SDC Ref No. LO-201703-086-1-US0 Attorney Ref No. 310/1118_00

KASAN Ref No. SMP170052US

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

Page 2 of 5

골병환/12412670/EVEN개발그룹(OLED)/1190207114/20171030074108

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 LEE & MORSE, PC 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)

Myung Hwan	
	2019-10-30
	и́у фатв́_

LEGAL NAME OF SECOND	Family Name	First Given Name	Second Given Name
INVENTOR/ASSIGNOR	KANG	Suk Hoon	
SIGNATURE _		DATE	27. 22

SDC Ref No. LO-201703-086-1-US0

Attorney Ref No.

KASAN Ref No. SMP170052US COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY PATENT APPLICATION AND

ASSIGNMENT FORM

Page 3 of 5

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Family Name	First Given Name	Second Given Name			
KIM	Min Jae				
- A	DATE	<i>7</i> 2, 77, 3			
Family Name	First Given Name	Second Given Name			
KIM	Hee Ra				
	KIM Family Name	KIM Min Jae DATE Family Name First Given Name			

					RE		NON									1.11			

LEGAL NAME OF FIFTH	Family Name	First Given Name	Second Given Name
INVENTOR/ASSIGNOR	SHIN	Beom Soo	
SIGNATURE	A	DATE	111.11.2

4.5								
-		Name and Address of the Owner, where the Owner, which the	4. William I	 		THE RESERVE OF THE PERSON NAMED IN	 	***************************************
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SDC Ref No. LO-201703-086-1-US0 Attorney Ref No. 310/1118_00

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ASSIGNMENT FORM
Page 4 of 5

광원/12412670/EVEN개발그룹(OLED)/1190207114/20171030074108

LEGAL NAME OF SIXTH INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name	
	LDE	Hong Yeon		
SIGNATURE	LEZ Hong Yeon	DATE	2.11, 2017	

LEGAL NAME OF SEVENTH INVENTOR/ASSIGNOR	Family Name JEON	First Given Name Back Kyun	Second Given Name
ČIČNIATI IDE	Jeon backlitan	DATE	2.11.2017

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COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY PATENT APPLICATION AND
ASSIGNMENT FORM
Page 5 of 5

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RECORDED: 01/11/2018