503734109 03/11/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 EPAS ID: PAT3780751 Stylesheet Version v1.2

 SUBMISSION TYPE:
 NEW ASSIGNMENT

 NATURE OF CONVEYANCE:
 ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YOUNG JAE JEON	11/10/2015
JAE-HYUN PARK	11/12/2015
SANG JU LEE	12/04/2015
JAE HO CHOI	11/10/2015
HYE WON HYEON	11/10/2015

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:	15068368

CORRESPONDENCE DATA

Fax Number: (408)638-0326

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.

Email: mmcilhenny@innovationcounsel.com

Correspondent Name: INNOVATION COUNSEL LLP

Address Line 1: 2880 LAKESIDE DRIVE

Address Line 2: SUITE 200

Address Line 4: SANTA CLARA, CALIFORNIA 95054

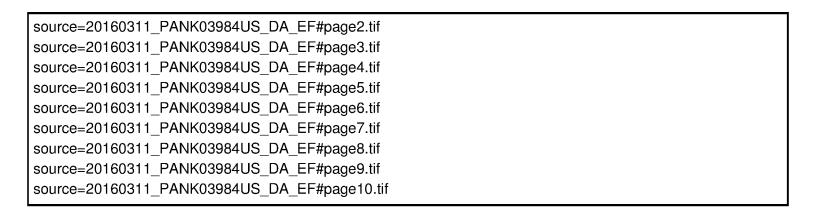
ATTORNEY DOCKET NUMBER:	PANK03984 US
NAME OF SUBMITTER:	KYU WAN RYU, REG. NO. 74525
SIGNATURE:	/Kyu Wan Ryu/
DATE SIGNED:	03/11/2016

Total Attachments: 10

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PATENT REEL: 037960 FRAME: 0759

503734109



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:

TITLE: DISPLAY DEVICE AND MANUFACTURING METHOD THEREOF

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:

	The attached U.S. non-provisional patent application, or	
	U.S. non-provisional patent application number, or	, filed on
	PCT international patent application number	, filed on
	dentified application was made or authorized to be made by	
	e that I am (we are) the original inventor (original joint inve lentified application.	ntors) of a claimed invention in
	by acknowledge that any willful false statement made in 5.C. 1001 by fine or imprisonment of not more than five (5)	
1 This form r	equires the use of an Application Data Sheet.	
	SDC Ref No. LL-201410-024-1-USO Attorney Ref No.	PANK03984 US

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

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, 17113, Korea (hereinafter designated as the Assignee(s)), 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(s), and to the extent that Assignor has not already done so, agrees to assign, and hereby does, sell, assign and transfer unto Assignee(s) 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(s) 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;

SDC Ref No. LL-201410-024-1-US0

Attorney Ref No. PANK03984 US

COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY PATENT APPLICATION AND ASSIGNMENT FORM
Page 2 of 5

PANKOREA

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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(s) 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(s), 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(s).

The undersigned hereby grant(s) the law firm of Innovation Counsel 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 INVENTOR/ASSIGNOR	Full Name
	Young Jae JEON
SIGNATURE	DATE 1015.11.10

SDC Ref No. <u>L1-201410-024-1-US0</u>

Attorney Ref No. PANK03984 US

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

LEGAL NAME OF SECOND	Full Name
INVENTOR/ASSIGNOR	Jae-Hyun PARK
	MX)
SIGNATURE	DATE 2018.11.12
LEGAL NAME OF	Full Name
THIRD INVENTOR/ASSIGNOR	Sang Ju LEE
SIGNATURE	DATE
LEGAL NAME OF	Full Name
FOURTH INVENTOR/ASSIGNOR	Jae Ho CHOI
SIGNATURE	DATE 3015.11.10

Attorney Ref No. PANK03984 US

COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY PATENT APPLICATION AND ASSIGNMENT FORM
Page 4 of 5

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LEGAL NAME OF FIFTH INVENTOR/ASSIGNOR		Full Name
	1	iye Won HYEON
		3
SIGNATURE	रहरूताहा_	DATE ZOIE, II 10
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Attorney Ref No. PANK03984 US

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

Page 5 of 5

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

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	U.S. non-provisional patent application number, or	, filed on
	PCT international patent application number	, filed on
The above-ide	entified application was made or authorized to be made by me	(us).
•	that I am (we are) the original inventor (original joint inventors entified application.	s) of a claimed invention in
	y acknowledge that any willful false statement made in this .C. 1001 by fine or imprisonment of not more than five (5) years	
	quires the use of an Application Data Sheet.	

SDC Ref No. <u>LL-201410-024-1-US0</u>

Attorney Ref No. PANK03984 US

COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY PATENT APPLICATION AND ASSIGNMENT FORM Page 1 of $\bf 5$

PANKOREA

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Section II. Assignment

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Samsung Display Co., Ltd.

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Assignor hereby confirms any prior assignment to Assignee(s), and to the extent that Assignor has not already done so, agrees to assign, and hereby does, sell, assign and transfer unto Assignee(s) 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(s) 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;

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Attorney Ref No. PANK03984 US

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

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(s) 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(s), 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(s).

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

LEGAL NAME OF	Full Name
FIRST INVENTOR/ASSIGNOR	Young Jae JEON
SIGNATURE	DATE

SDC Ref No. <u>LL-201410-024-1-US0</u>

Attorney Ref No. PANK03984 US

COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY PATENT APPLICATION AND ASSIGNMENT FORM Page 3 of 5

PANKOREA

LEGAL NAME OF SECOND	Full Name
INVENTOR/ASSIGNOR	Jae-Hyun PARK
SIGNATURE	DATE
LEGAL NAME OF	Full Name
THIRD INVENTOR/ASSIGNOR	Sang Ju LEE
SIGNATURE	Jano DATE 0.4, 12, 2015
LEGAL NAME OF	Full Name
FOURTH INVENTOR/ASSIGNOR	Jae Ho CHOI
SIGNATURE	DATE

Attorney Ref No. PANK03984 US

COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY PATENT APPLICATION AND ASSIGNMENT FORM Page 4 of 5

PANKOREA

LEGAL NAME OF	Full Name	
INVENTOR/ASSIGNOR	Hye Won HYEON	
SIGNATURE	DATE	

Attorney Ref No. PANK03984 US

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

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PATENT REEL: 037960 FRAME: 0770

RECORDED: 03/11/2016