505581982 07/22/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5628781

SUBMISSION TYPE:		NEW ASSIGNMENT	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGNMENT			
CONVEYING PARTY DA	ATA				
		Name	Execution Date		
DO-YEON KIM			11/24/2016		
BYUNG-SAM MIN			11/24/2016		
JONG-HYUN KIM	11/24/2016				
RECEIVING PARTY DA	ТА				
Name:	lame: LG DISPLAY CO., LTD.				
Street Address:	128, YI	128, YEOUI-DAERO, YEONGDEUNGPO-GU			
City:	SEOUL	SEOUL			
State/Country:	KORE	A, REPUBLIC OF			
Postal Code:	07336				
Property Type		Number	_		
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Property Type Application Number:		Number 16517829			
Application Number:	ATA				
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Application Number: CORRESPONDENCE D Fax Number: <i>Correspondence will be</i>	e sent to	16517829 <i>The e-mail address first; if that is und; if that is unsuccessful, it will be sel</i> 202-496-7500			
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Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 4: ATTORNEY DOCKET NU VAME OF SUBMITTER: BIGNATURE: DATE SIGNED:	e sent to provideo	16517829 b the e-mail address first; if that is und; if that is unsuccessful, it will be set 202-496-7500 mlapto@mckennalong.com DENTONS US LLP 1900 K. STREET, N.W. WASHINGTON, D.C. 20006 8733.02911.US21 YOUNGGYU KIM /Younggyu Kim/			

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Assignment of Application

WHEREAS,	, I (WE) Do-Yeon KIM; Byung-Sam MIN; and Jong-Hyu				
		, 1	respectively,		
have invented cert	ain new and useful in	nprovements in:			
	THIN FILM TI	RANSISTOR SUBSTRATE			
for which an appli	cation for Letters Pat	ent was executed on			
(Application No.	15/373,125	, Filed December 8, 2016	5), and		
WHEREAS,	LG DISPLAY CO.	., LTD.			

(hereinafter referred to as "ASSIGNEE") having a place of business at: 128, Yeoui-daero, Yeongdeungpo-gu, Seoul 07336, Republic of Korea

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and Its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behalf of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, 1 (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

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Page 1 of 2

PATENT REEL: 049813 FRAME: 0309

The undersigned hereby grant(s) the firm of DENTONS U.S. LLP, 1900 K Street, N.W., Washington, D.C. 20006 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: 11/24/2016 32 5 4

Do-Yeon KIM

Date: 11 / 2.4. / 2016

KJ W K (Signature of Inventor) Byung-Sam MIN

Date: 11/24/2016

 $\frac{\frac{7}{6}}{(\text{Signature of Inventor})}$

Jong-Hyun KIM

DENTONS US LLP 1900 K. Street, N.W. Washington, D.C. 20006

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Page 2 of 2

PATENT REEL: 049813 FRAME: 0310

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