503665262 01/26/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3711897

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JOUNG-HO RYU	08/21/2014
SOO-MIN KWAK	08/13/2014
HAE-JOON SON	08/21/2014
MAN-HO AN	01/20/2016
JOON-YOUNG KIM	01/15/2016
DO-HYUN RYU	01/20/2016

RECEIVING PARTY DATA

Name:	LG DISPLAY CO., LTD.
Street Address:	128, YEOUI-DAERO
Internal Address:	YEONGDEUNGPO-GU
City:	SEOUL
State/Country:	KOREA, REPUBLIC OF
Postal Code:	07336

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14258186

CORRESPONDENCE DATA

Fax Number: (202)496-7756

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.

Phone: 202-496-7500

Email: mlapto@dentons.com

Correspondent Name: DENTONS US LLP

Address Line 1: 1900 K STREET, N.W.

Address Line 4: WASHINGTON, D.C. 20006

ATTORNEY DOCKET NUMBER:	8734.00301.US12
NAME OF SUBMITTER:	YOUNGGYU KIM
SIGNATURE:	/Younggyu Kim, Reg. No. 63,379/
DATE SIGNED:	01/26/2016

PATENT REEL: 037588 FRAME: 0760

Total Attachments: 6 source=Executed_Assignment#page1.tif source=Executed_Assignment#page2.tif source=Executed_Assignment#page3.tif source=Executed_Assignment#page4.tif source=Executed_Assignment#page5.tif source=Executed_Assignment#page5.tif

PATENT REEL: 037588 FRAME: 0761

Docket No.: 8734.301.US12

Assignment of Application

WHEREAS	, I (WE)	Joung-Ho RYU, Soo-Mi Ho AN, Joon-Young KI Seung-Soo LEE			Man-
				, respe	ctively,
has 50% interest i	n:				
LIQUID CRY		ISPENSING SYSTEM AN D CRYSTAL MATERIAL		SPENSI	ING
for which an appli	cation for	r Letters Patent was execute	ed on		
(Application No.		, File	d), and
WHEREAS,	LG Dis	play Co., Ltd.			
`		ASSIGNEE") having a plac eungpo-gu, Seoul, Korea, 19		***************************************	

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, I (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.

Page 1 of 2DC 51104312.1

The undersigned hereby grant(s) the firm of McKenna Long & Aldridge LLP, Attorneys at Law, 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: 2014, 08,21	of fry
	(Signature of Inventor) Joung-Ho RYU
Date:	
	(Signature of Inventor) Soo-Min KWAK
Date: 2014.08.24	Edd II
	(Signature of Inventor) Hae-Joon SON
Date:	
	(Signature of Inventor) Man-Ho AN
Date:	
	(Signature of Inventor) Joon-Young KIM
Date:	
	(Signature of Inventor) Do-Hyun RYU
Date:	
	(Signature of Inventor) Seung-Soo LEE

McKenna Long & Aldridge LLP

Attorneys At Law 1900 K Street, N.W. Washington, D.C. 20006

Page 2 of 2DC 51104312.1

Docket No.: 8734.00301.US12

Assignment of Application

WHEREAS	I (WE)	Joung-Ho RYU, Soo-Min KWAK, Hae-Joon SON, Man- Ho AN, Joon-Young KIM, Do-Hyun RYU and Seung-Soo LEE		
		,		, respectively,
have invented cert	ain new a	ınd useful improvements i	1	
	LIQUII	O CRYSTAL MATERIA	L USI	
for which an appli	cation for	Letters Patent was execut	on on	
(Application No.		, File	d), and
WHEREAS,	LG Dis	play Co., Ltd.		
		ASSIGNEE") having a pla eungpo-gu, Seoul 07336,		

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;

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Untitled (46).max

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Date:	
r	(Signature of Inventor) Joung-Ho RYU
Date: >0/4 A./3	(Signature of Inventor) Soo-Min KWAK
Date:	(Signature of Inventor) Hae-Joon SON
Date:	
Date:	(Signature of Inventor) Joon-Young KIM
Date:	(Signature of Inventor) Do-Hyun RYU
Date:	(Signature of Inventor) Seung-Soo LEE

McKenna Long & Aldridge LLP

Attorneys At Law 1900 K Street, N.W. Washington, D.C. 20006

Page 2 of 2DC 51104312.1

Docket No.: 8734.301,US12

Assignment of Application

WHEREAS, I (WE)	Joung-Ho RYU, Soo-Min KWAK, Hae-Joon SON, Man- Ho AN, Joon-Young KIM, Do-Hyun RYU and Seung-Soo LEE		
			, respectively,
has 50% interest in:			
	ISPENSING SYSTEM AND N D CRYSTAL MATERIAL US		DISPENSING
for which an application for	Letters Patent was executed o	n	
(Application No.	, Filed), and

(Application No.	, Filed), and
WHEREAS,	LG Display Co., Ltd.	
	ed to as "ASSIGNEE") having a place of business at:	
128, Yeoui-daero, Yeongdeungpo-gu, Seoul, Korea, 150-721		

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;

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Date:	
	(Signature of Inventor) Joung-Ho RYU
Date:	
	(Signature of Inventor) Soo-Min KWAK
Date:	
	(Signature of Inventor) Hae-Joon SON
Date: 20 (6. (,20	08 12/2
	(Signature of Inventor) Man-Ho AN
Date 2016. 1.15	2/2
	(Signature of Inventor) Joon-Young KIM
Date: 11.20	JAM Ju
	(Signature of Interior) Do-Hyun RYU
Date:	
	(Signature of Inventor)

McKenna Long & Aldridge LLP Attorneys At Law 1900 K Street, N.W. Washington, D.C. 20006

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