PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
BONG HOE KIM	04/24/2014
SUCK CHEL YANG	04/24/2014
YUN JUNG YI	04/24/2014
DONG YOUN SEO	04/29/2014

RECEIVING PARTY DATA

Name:	LG ELECTRONICS INC.
Street Address:	128, YEOUI-DAERO, YEONGDEUNGPO-GU
City:	SEOUL
State/Country:	REPUBLIC OF KOREA
Postal Code:	150-721

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14368193

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.

Email: hparker@mckennalong.com

Correspondent Name: MCKENNA, LONG & ALDRIDGE LLP

Address Line 1: 1900 K STREET N.W.

Address Line 4: WASHINGTON, D.C. 20006

ATTORNEY DOCKET NUMBER:	8737.00968.US00
NAME OF SUBMITTER:	MICHAEL I. ANGERT
SIGNATURE:	/Michael I. Angert/
DATE SIGNED:	06/23/2014

Total Attachments: 4

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PATENT 502863397 REEL: 033159 FRAME: 0854

Assignment of Application

WHEREAS,	I (WE)	KIM, Bong Hoe; YANG, S	ack Chel; YI, Yu	gnoL ni
and SEO, Dong Youn			, respectively,	
have invented certa	in new a	and useful improvements in:		
METHOD ANI MBSFN SUBFI		RATUS FOR TRANSMITTI	NG AND RECE	IVING
for which an applic	cation for	Letters Patent was executed of	n	
(Application No.		, Filed), and
WHEREAS,	LG ELI	ECTRONICS INC.		
(hereinafter referre	d to as "z	ASSIGNEE") having a place o	f business at:	
20 Yeouido-dong,	Yeongde	ungpo-gu, Seoul 150-721, Koi	ea	***************************************

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.

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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.

(Signature of Inventor) KIM, Bong Hoe	
20al _	
(Signature of Inventor)	
YANG, Suck Chel	
(Signature of Inventor)	
YI, Yun Jung	
(Signature of Inventor)	
SEO, Dong Youn	
	(Signature of Inventor) KIM, Bong Hoe (Signature of Inventor) YANG, Suck Chel (Signature of Inventor) YI, Yun Jung (Signature of Inventor)

McKenna Long & Aldridge LLP

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

Assignment of Application

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for which an applic	ation for	Letters Patent was executed on	
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WHEREAS,	LG ELI	ECTRONICS INC.	
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Docket No.:

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Date:		
	(Signature of Inventor) KIM, Bong Hoe	
Date:		
	(Signature of Inventor) YANG, Suck Chel	
Date:		
	(Signature of Inventor)	
	YI, Yun Jung	
Date: Zottl, oll. 18	(Signature of Inventor)	
	SEO, Dong Youn	

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