PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HYEYOUNG CHOI	02/20/2014
JINMIN KIM	02/20/2014
SEUNGHEE HAN	02/21/2014
HYUKMIN SON	02/25/2014
HYUNWOO LEE	02/19/2014

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14347205

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 via

US Mail.

Phone: 2024967106

Email: mlaip@mckennalong.com

Correspondent Name: MCKENNA LONG & ALDRIDGE LLP

Address Line 1: 1900 K STREET NW

Address Line 2: ATTORNEY DOCKET NO. 8737.00916.US00

Address Line 4: WASHINGTON, DISTRICT OF COLUMBIA 20006

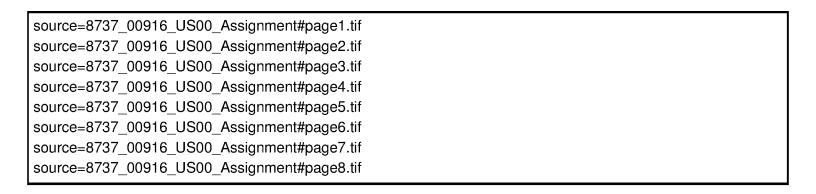
NAME OF SUBMITTER:	MICHAEL I. ANGERT
SIGNATURE: //V	Michael I. Angert #46522/
DATE SIGNED: 03	03/25/2014

Total Attachments: 8

502738224

REEL: 032522 FRAME: 0928

PATENT



PATENT REEL: 032522 FRAME: 0929

Assignment of Application

WHEREAS, I (WE) **CHOI, Hyeyoung**; **KIM, Jinmin**; **HAN, Seunghee**; **SON, Hyukmin**; and **LEE, Hyunwoo**, respectively, have invented certain new and useful improvements in:

METHOD AND APPARATUS FOR TRANSMITTING A SIGNAL IN A WIRELESS COMMUNICATION SYSTEM

for which an application for a Letters Patent was executed on
X for which an application for a Letters Patent was filed on as Application No.
WHEREAS, LG Electronics Inc.
(hereinafter referred to as "ASSIGNEE") having a place of business at:
20 Yeouido-dong, Yeongdeungpo-gu, Seoul 150-721, REPUBLIC OF KOREA
is desirous of acquiring the entire right, title and interest in and to said invention and ir 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.

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

PATENT REEL: 032522 FRAME 90930

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:	2014.2.20	<u>Oloñ</u>
_ Date:	2014.2.20	(Signature of Inventor) CHOI, Hyeyoung
Date		(Signature of Inventor) KIM, Jinmin
Date:_	• • • • • • • • • • • • • • • • • • • •	(Signature of Inventor) HAN, Seunghee
Date:_		(Signature of Inventor) SON, Hyukmin
Date:_	***************************************	(Signature of Inventor) L.E.E. Hyunwoo

McKenna Long & Aldridge LLP

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

Assignment of Application

METHOD AND APPARATUS FOR TRANSMITTING A

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PATENT DC 51093439.1
REEL: 032522 FRAME: 0932

12FCCM894US02

KBK Ref.: OPP-TZ-2012-0329-US-00

Docket No.:

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:	
	(Signature of Inventor) CHOI, Hyeyoung
Date:	(Signature of Inventor)
Date: 62/2(/2)4 _	(Signature of inventor)
Date:	HAN, Seunghee (Signature of Inventor)
Date:	SON, Hyukmin (Signature of Inventor) LEE, Hyunwoo

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

Page 2 of 2

DC 51093439.1

Assignment of Application

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Date:	
	(Signature of Inventor)
	CHOI, Hyeyoung
,	
Date:	
	(Signature of Inventor)
	KIM, Jinmin
Data	
Date:	(Signature of Inventor)
	HAN, Seunghee
2 111 2 2 2 2	
Date: 2014. 2. 25	(Signature of Inventor)
	SON, Hyukmin
Date:	
	(Signature of Inventor) LEE Hyunwoo

McKenna Long & Aldridge LLP Attorneys At Law

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

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PATENT REEL: 032522 FRAME: 0936

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:	
2 444	(Signature of Inventor) CHOI, Hyeyoung
Date:	(Signature of Inventor) KIM, Jinmin
Date:	(Signature of Inventor) HAN, Seunghee
Date:	(Signature of Inventor) SON, Hyukmin
Date: February 19, 2014	(Signature of Inventor) LEE, Hyunwoo

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

REEL: 032522 FRAME: 0937