PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
EUNSUN KIM	01/15/2015
BYOUNGHOON KIM	01/05/2015
KIJUN KIM	01/05/2015

RECEIVING PARTY DATA

Name:	LG ELECTRONICS INC.
Street Address:	20 YEOUIDO-DONG, YEONGDEUNGPO-GU
City:	SEOUL
State/Country:	KOREA, REPUBLIC OF
Postal Code:	150-721

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14420874

CORRESPONDENCE DATA

Fax Number: (213)623-2211

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: 213-623-2221

Email: uspto@lhlaw.com

Correspondent Name: LEE, HONG, DEGERMAN, KANG & WAIMEY

Address Line 1: 660 S. FIGUEROA STREET

Address Line 2: SUITE 2300

Address Line 4: LOS ANGELES, CALIFORNIA 90017

ATTORNEY DOCKET NUMBER:	2101-70012
NAME OF SUBMITTER:	JUSTIN D. LEE
SIGNATURE:	/Justin D. Lee/
DATE SIGNED:	02/10/2015

Total Attachments: 2

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PATENT 503174201 REEL: 034933 FRAME: 0201

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ASSIGNMENT

		Magiciameia		
(1-8)	licent Name(s) of Inventor(s)	(1) KIM, Eunsun	(5)	
		(2) KIM, Byounghoon	(6)	
		(3) KIM, Kijun	(7)	
		(4)	(8)	
		In consideration of the su valuable considerations pai agree(s) to assign, and here	d to each of the undersi	igned, the undersigned
(9)	insert name of Acaignie	(9) LG ELECTRONICS INC.		
(10)	Insert claim of incorporation of Assigners	(10) Korea		
(13)	Insert address of Assignee	(II) 20 Yeouido-dong, Yeongi	ieungpo-gu, Seoul 15	0-721
		Republic of Korea		
		(hereinatier designated as the As interest in the invention known as		ide right, little and
(12)	insert identification of Invention, such as Title, Case Number or Foreign	(12) METHOD AND APPARATU WIRELESS COMMUNICATION	2012 4 401 100 400 501	VNLINK SIGNAL IN
	Application Number	for which the undersigned h the United States of America corresponding thereto or ba	a and all patent application	
may l	The undersigned agoe declared concerning this applies	with such applications as the Assign pree(s) to execute all papers necess- plication or continuation or division to	ary in connection with an hereof and to cooperate	y interference which
exes.	way toosine in ontaining exim	ence and going forward with such int	ermense.	
		gree(s) to execute all papers and do or provisions of the international Co		
os santi	The undersigned ag d United States patent to the Ar	gree(s) to perform all affirmative acts	which may be necessary	/ to obtain a grant of
ali Le applic have)	 The undersigned he iters Patents of the United State ations thereof to the said Assig 	ereby authorize(s) and request(s) the es resulting from said application or a nee, as Assignee of the entire intere derest herein assigned, and that he t	any division or divisions c ist, and hereby covenants	or continuing s that he has (they
assig	nment any further identification	Afterneys associated with Costo which may be necessary or desirable Office for recordation of this docum	e in order to comply with	
			¥	
Date	, <u>33/01/73</u>	Signature of inventor KIM, Eunsun	a1875	
2 Sanske	80	Signature of inventor KIM, Byoungho	C22	
V-100.000	**************************************	with mention of the control of the control of the	A. 6. 1	
Oati	X	Signature of inventor KIM, Kijun		

PATENT REEL: 034933 FRAME: 0202

or similar agreements.

ASSIGNMENT

			ASSIGNMENT		
	(1-8)	Insert Name(s) of Inventor(s)	(1) KIM, Eunsun	(5)	
			(2) KIM, Byounghoon	(6)	
			(3) KIM, Kijun	(7)	
			(4)	(8)	
			valuable consideratio	he sum of one dollar (\$1.00) and other good ns paid to each of the undersigned, the undersi d hereby does assign, transfer and set over to	
	(9)	Insert name of Assignee	(9) LG ELECTRONICS IN	C.	
	(10)	Insert state of Incorporation of Assignee	(10) Korea		
(11)	(11)	Insert address of Assignee	(11) 20 Yeouido-dong, Y	eongdeungpo-gu, Seoul 150-721	
			Republic of Korea		
			(hereinafter designated as interest in the invention known	the Assignee) the entire worldwide right, title and wn as	
Inv Nu	nsert identification of nvention, such as Title, Case	(12) METHOD AND APPA WIRELESS COMMUNICA	RATUS FOR RECEIVING DOWNLINK SIGNAL TION SYSTEM	, IN	
		Number or Foreign Application Number		ned has (have) executed an application for paten merica and all patent applications in foreign coun or based thereon.	
	divisio separ	onal and continuing United States	s and foreign applications fo	necessary in connection with any original, reissu r the above-identified invention and also to execu Assignee may deem necessary or expedient.	ie, ite
		The undersigned agroe declared concerning this application way possible in obtaining evider	cation or continuation or div	ecessary in connection with any interference whic ision thereof and to cooperate with the Assignee uch interference.	ch in
	neces	The undersigned agreesary in connection with claims or	ee(s) to execute all papers are rovisions of the Internation	and documents and perform any act which may t nal Convention for Protection of Industrial Proper	be rty

- 4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.
- 5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed any agreement in conflict herewith.

The undersigned hereby appoints **the Attorneys associated with Customer No. 035884** the power to insert on this assignment any further identification 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 KIM, Eunsun
Date: 2015/1/5	Signature of Inventor KIM, Byounghoon
Date: 2011/1/5	Signature of Inventor KIM, Kijun