### 504073028 10/28/2016

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
HANBYUL SEO	09/30/2016
KIJUN KIM	09/30/2016
SUNGHOON JUNG	10/28/2016
BYOUNGHOON KIM	09/30/2016

### **RECEIVING PARTY DATA**

Name:	LG ELECTRONICS INC.
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City:	SEOUL
State/Country:	KOREA, REPUBLIC OF
Postal Code:	150-721

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15307761

### CORRESPONDENCE DATA

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NAME OF SUBMITTER:	HARRY S. LEE
SIGNATURE:	/Harry S. Lee/
DATE SIGNED:	10/28/2016

## **Total Attachments: 2**

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PATENT 504073028 REEL: 040163 FRAME: 0450

### ASSIGNMENT

(1-8)	Insert Name(s) of Inventor(s)	<ul> <li>(1) SEO, Hanbyul</li> <li>(2) KIM, Kijun</li> <li>(3) JUNG, Sunghoon</li> <li>(4) KIM, Byounghoon</li> <li>(8) In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to</li> </ul>		
(9)	Insert name of Assignee	(9) LG ELECTRONICS INC.		
(10)	Insert state of Incorporation of Assignee			
	Insert address of Assignee	(11) LG Electronics Inc. 128, Yeoui-daero Yeongdeungpo-gu Seoul 150-721 Republic of Korea		
		(hereinafter designated as the Assignee) the entire worldwide right, title and interest in the invention known as		
,,	Insert identification of Invention, such as Title, Case Number or Foreign Application Number	(12) METHOD FOR TRANSMITTING AND RECEIVING SIGNAL FOR DEVICE-TO-DEVICE COMMUNICATION IN WIRELESS COMMUNICATION SYSTEM AND APPARATUS FOR SAME		
		for which the undersigned has (have) executed an application for patent in the United States of America and all patent applications in foreign countries corresponding thereto or based thereon.		
	The undersigned agree(s) to execute all papers necessary in connection with any original, reissue, divisional and continuing United States and foreign applications for the above-identified invention and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.			
	e declared concerning this ap	gree(s) to execute all papers necessary in connection with any interference which olication or continuation or division thereof and to cooperate with the Assignee in ence and going forward with such interference.		
		gree(s) to execute all papers and documents and perform any act which may be or provisions of the International Convention for Protection of Industrial Property		
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 <b>the Attorneys associated with Customer No. 035884</b> 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:	9/30/2016	Signature of Inventor SEO, Hanbyul		
Date:	20/6/19/30	Signature of Inventor KIM, Kijun		
Date:		Signature of Inventor JUNG, Sunghoon		
Date:	9/30/2016	Signature of Inventor KIM, Byounghoon		

LGE Ref.: 15FASL291US02\_syc

#### ASSIGNMENT

		WOOLGMIEM I		
(1-8)	Insert Name(s) of Inventor(s)	(1) SEO, Hanbyul	(5)	
		(2) KIM, Kijun	(6)	
		(3) JUNG, Sunghoon	(7)	
		(4) KIM, Byounghoon	(8)	
		In consideration of the su- valuable considerations pai- agree(s) to assign, and here		ed, the undersigned
(9)	Insert name of Assignee	(9) LG ELECTRONICS INC.		
(10)	Insert state of Incorporation of Assignee	(10) Korea		
(11)	Insert address of Assignee	(11) LG Electronics Inc. 128, Y	eoui-daero Yeongdeung <mark>r</mark>	o-gu Seoul
		150-721 Republic of Korea		
		(hereinafter designated as the As- interest in the invention known as		right, litte and
(12)	Insert identification of Invention, such as Title, Case Number or Foreign Application Number	(12) METHOD FOR TRANSMITT DEVICE-TO-DEVICE COMMUN SYSTEM AND APPARATUS FOI	ICATION IN WIRELESS CO	
		for which the undersigned hat the United States of America corresponding thereto or bar	and all patent applications	
	1) The undersigned ag	gree(s) to execute all papers necess	sary in connection with any	original, reissue,
		es and foreign applications for the a with such applications as the Assign		
	be declared concerning this app	ree(s) to execute all papers necessablication or continuation or division the nee and going forward with such inte	nereof and to cooperate with	
		ree(s) to execute all papers and do or provisions of the International Co		
المدر م		ree(s) to perform all affirmative acts	which may be necessary to	obtain a grant of
	d United States patent to the As 5) The undersigned he	reby authorize(s) and request(s) the	Commissioner of Patents to	issue any and
applic	cations thereof to the said Assig	es resulting from said application or a nee, as Assignee of the entire intere	st, and hereby covenants the	at he has (they
have)	full right to convey the entire in affect herewith.	terest herein assigned, and that he h	nas (they have) not executed	l any agreement
assig	nment any further identification	Attorneys associated with Custo which may be necessary or desirable Office for recordation of this docume	e in order to comply with the	
	d States Fatent and Trademark	Office for recordation of this docume	#III.	
Date	ə;	Signature of Inventor SEO, Hanbyul_	M-4/A-10-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	, .
Date	5; <del></del>	Signature of Inventor KIM, Kijun		
	0.4.00.0040		Sury Hoon Jung	Tur
Date	Oct. 28 2016	Signature of Inventor JUNG, Sungho		0

Signature of Inventor KIM, Byounghoon\_\_\_\_\_

PATENT REEL: 040163 FRAME: 0452

**RECORDED: 10/28/2016** 

Date: