#### 504265864 03/09/2017

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 EPAS ID: PAT4312544

Stylesheet Version v1.2

**SUBMISSION TYPE: NEW ASSIGNMENT NATURE OF CONVEYANCE: ASSIGNMENT** 

#### **CONVEYING PARTY DATA**

Name	Execution Date
SEUNGGYE HWANG	12/30/2016
YUNJUNG YI	12/30/2016
KIJUN KIM	01/09/2017

## **RECEIVING PARTY DATA**

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

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

Property Type	Number
Application Number:	15390030

## 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: Patent@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: 2101-70741 NAME OF SUBMITTER: HARRY S. LEE SIGNATURE: /Harry S. Lee/ **DATE SIGNED:** 03/09/2017

**Total Attachments: 1** 

source=2101-70741-assignment#page1.tif

**PATENT** REEL: 041533 FRAME: 0495 504265864

#### ASSIGNMENT

Insert Name(s) of Inventor(s)	(2)	Yunjung YI	(5) (6) (7)
	, ,	, aguir remer	(8)
	` '	valuable considerations pa	of one dollar (\$1.00) and other good and aid to each of the undersigned, the ign, and hereby does assign, transfer and
Insert name of Assignee	(9)	LG Electronics Inc.	
Insert state of Incorporation of Assignee	(10)	Republic of Korea	
Insert address of Assignee	(11)	128, Yeoui-daero, Yeongdeu	ngpo-gu, Seoul, 07336, Republic of Korea
			signee) the entire worldwide right, title and
Insert identification of Invention, such as Title, Case Number or Foreign Application Number	(12)	SIGNAL IN WIRELESS COM	ING DEMODULATION REFERENCE IMUNICATION SYSTEM THAT D IOT AND APPARATUS FOR
			s (have) executed an application for patent ca and all patent applications in foreign eto or based thereon.
	Inventor(s)  Insert name of Assignee Insert state of Incorporation of Assignee Insert address of Assignee Insert identification of Invention, such as Title, Case Number or Foreign	Insert name of Assignee (9) Insert state of Incorporation of Assignee Insert address of Assignee (11) (her inter Insert identification of Invention, such as Title, Case Number or Foreign	Inventor(s)  (2) Yunjung YI (3) Kijun KIM (4)  In consideration of the sum valuable considerations pay undersigned agree(s) to assessed over to  Insert name of Assignee (9) LG Electronics Inc. Insert state of Incorporation of Assignee Insert address of Assignee (10) Republic of Korea (11) 128, Yeoui-daero, Yeongdeu (hereinafter designated as the Assinterest in the invention known as interest in the invention known as Insert identification of Invention, such as Title, Case Number or Foreign Application Number  (2) Yunjung YI (3) Kijun KIM (4)  In consideration of the sum valuable considerations pay undersigned agree(s) to assessed over to (10) Republic of Korea (11) 128, Yeoui-daero, Yeongdeu (hereinafter designated as the Assinterest in the invention known as Insert identification of SUPPORT IN WIRELESS COM SUPPORTS NARROW BANI SUPPORTING THE SAME for which the undersigned has in the United States of American

- 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.
- 2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.
- 3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.
- 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:	2016.12.30	Signature of Inventor (1) _	Huy	<b>_</b>
Date:	2016.12.30	Signature of Inventor (2)		
Date:	2017/1/1	Signature of Inventor (3)	2/2/26	

1