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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
BONGHOE KIM	03/30/2018
KIJUN KIM	04/19/2018
HYUNSOO KO	03/30/2018
BYOUNGHOON KIM	03/30/2018
YUNJUNG YI	03/30/2018
SEOKMIN SHIN	03/30/2018

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:	15765236

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	2101-71397
NAME OF SUBMITTER:	HARRY S. LEE
SIGNATURE:	/Harry S. Lee/
DATE SIGNED:	04/20/2018

Total Attachments: 4

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ASSIGNMENT

(1-8) Insert Name(s) of Inventor(s)

(1) KIM, Bonghoe

(4) KIM, Byounghoon

(5) YI, Yunjung

(2) KIM, Kijun (3) KO, Hyunsoo

(6) SHIN, Seokmin

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

- (9) Insert name of Assignee
- (10) Insert state of Incorporation of Assignee
- (9) LG Electronics Inc.
- (11) Insert address of Assignee
- (10) Republic of Korea
- (11) 128, Yeoui-daero Yeongdeungpo-gu Seoul 07336 Republic of Korea

(hereinafter designated as the Assignee) the entire worldwide right, title and interest in the invention known as

(12) Insert identification of Invention, such as Title, Case Number or Foreign Application Number (12) METHOD AND DEVICE FOR TRANSMITTING AND RECEIVING SECONDARY SYNCHRONIZATION SIGNAL IN WIRELESS ACCESS SYSTEM SUPPORTING NARROWBAND INTERNET OF THINGS

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.

- 1) 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. 35884** 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.

LGE REF. 16FASL964PC01US01

Date:	7018-3,38	Signature of Inventor (1)	KIM, Bonghoe
Date:	· · · · · · · · · · · · · · · · · · ·	Signature of Inventor (2)	KiM, Kijun
Date:	2018-3-3°	Signature of Inventor (3)	KO, Hyunsoo
Date <u>:</u>	3/30/20/8	Signature of Inventor (4)	KIM, Byounghoon
Date <u>:</u>	298.3.30	Signature of Inventor (5)	YI, Yunjung
Date <u>:</u>	20/8.3 30	Signature of Inventor (6)	LAR.

REEL: 045598 FRAME: 0192

ASSIGNMENT

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(2) KIM, Kijun

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