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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
BONG HOE KIM	09/28/2011
BYEONG WOO KANG	09/16/2011
DAE WON LEE	09/16/2011
YU JIN NOH	09/16/2011
KI JUN KIM	09/28/2011
DONG WOOK ROH	09/16/2011

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:	14837986

CORRESPONDENCE DATA

Fax Number: (213)623-2211

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

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ATTORNEY DOCKET NUMBER:	2101-5110C1C1
NAME OF SUBMITTER:	HARRY S. LEE
SIGNATURE:	/Harry S. Lee/
DATE SIGNED:	08/27/2015

PATENT REEL: 036442 FRAME: 0512 503456203

Total Attachments: 8 source=9-2101-5110C1C1-Parent_Assignment#page1.tif source=9-2101-5110C1C1-Parent_Assignment#page2.tif source=9-2101-5110C1C1-Parent_Assignment#page3.tif source=9-2101-5110C1C1-Parent_Assignment#page4.tif source=9-2101-5110C1C1-Parent_Assignment#page5.tif source=9-2101-5110C1C1-Parent_Assignment#page6.tif source=9-2101-5110C1C1-Parent_Assignment#page7.tif source=9-2101-5110C1C1-Parent_Assignment#page8.tif

PATENT REEL: 036442 FRAME: 0513

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

(1) KIM, Bong Hoe

(4) NOH, Yu Jin

(2) KANG, Byeong Woo

(5) KIM, Ki Jun

(3) LEE, Dae Won

(6) ROH, Dong Wook

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

(9) LG ELECTRONICS INC.

(10) Insert state of Incorporation of Assignee

(10) Korea

(11) Insert address of Assignee

(11) 20 Yeouido-dong, Yeongdeungpo-gu, Seoul, 150-721, 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 FOR GENERATING REFERENCE SIGNAL SEQUENCE IN MULTI-ANTENNA 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.

(13) Insert Date of Signing of Application (13)

- 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.

Date: 2011 9 28	Signature of Inventor
Date:	Signature of Inventor
Date:	Signature of Inventor
Date:	Signature of Inventor
Date: 2011 /P/28	Signature of Inventor 2 2 7 2
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Date:	Signature of Inventor
Date: <u>Sep 16, 2011</u>	Signature of Inventor # # # # # # # # # # # # # # # # # # #
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Date: <u>Sep 16,2011</u>	Signature of Inventor Domun L
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Date:	Signature of Inventor
Date: 5-ep/6,201)	Signature of Inventor
Date:	Signature of Inventor
Date: <u>Sap16, 2011</u>	Signature of Inventor Dongwook Roh