## Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

## **CONVEYING PARTY DATA**

Name	Execution Date
Jae Wan Kim	02/11/2010
Bin Chul Kim	01/20/2010
Jin Hyuk Jung	02/11/2010

## **RECEIVING PARTY DATA**

Name:	LG Electronics Inc.
Street Address:	20, Yeouido-dong, Yeongdeungpo-gu
City:	Seoul
State/Country:	REPUBLIC OF KOREA
Postal Code:	150-721

### PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12673749

## **CORRESPONDENCE DATA**

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ATTORNEY DOCKET NUMBER:	2101-3774
NAME OF SUBMITTER:	Harry S. Lee

Total Attachments: 6

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PATENT REEL: 023942 FRAME: 0978 126/3/49

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> PATENT REEL: 023942 FRAME: 0979

#### **ASSIGNMENT**

(1-8) Insert Name(s) of Inventor(s)	(1) Jae Wan KIM	(5)
	(2) Bin Chul IHM	(6)
	(3) Jin Hyuk JUNG	(7)
	(4)	(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

- (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, 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 FOR FEEDBACK AND METHOD FOR CONFIGURING A CODEBOOK IN MULTI-ANTENNA SYSTEM

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) February 11, 2010
- 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.
- 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.

1) Date:	Signature of Inventor
2) Date:	Signature of Inventor
3) Date:	Signature of Inventor

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.

## Attorney Docket No.

#### **ASSIGNMENT**

(1-8) Insert Name(s) of Inventor(s)	(1) Jae Wan KIM	(5)
	(2) Bin Chul IHM	(6)
	(3) Jin Hyuk JUNG	(7)
	(4)	(8)

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interest in the invention known as (12) METHOD FOR FEEDBACK AND METHOD FOR CONFIGURING A (12) Insert identification of

Invention, such as Title. Case Number or Foreign Application Number

**CODEBOOK IN MULTI-ANTENNA SYSTEM** 

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1) Date: Feb. 11, 2 6/1	Signature of Inventor
2) Date:	Signature of Inventor
3) Date:	Signature of Inventor
4) Date:	Signature of Inventor
5) Date:	Signature of Inventor
6) Date:	Signature of Inventor Control
7) Date:	Signature of Inventor

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Inventor(s)	(2) Bin Chul IHM	(6)
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	(4)	(8)
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- (11) 20, Yeouido-dong, Yeongdeungpo-gu, Seoul, 150-721, Republic of Korea

(12) Insert identification of Invention, such as Title, Case Number or Foreign Application Number (hereinafter designated as the Assignee) the entire worldwide right, title and interest in the invention known as

# (12) METHOD FOR FEEDBACK AND METHOD FOR CONFIGURING A CODEBOOK IN MULTI-ANTENNA SYSTEM

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) January 20, 2010
- 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.
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1) Date:	Signature of Inventor
2) Date: Jav 20, 2010	Signature of Inventor 2 4 22
3) Date:	Signature of Inventor

2/2

**RECORDED: 02/16/2010** 

PATENT REEL: 023942 FRAME: 0985