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SUBMISSION TYPE:		CORRECTIVE ASSIGNMENT		
NATURE OF CONVEYANCE:		recorded on Reel 023942 Frame 09	Corrective Assignment to correct the second inventor's last name previously recorded on Reel 023942 Frame 0978. Assignor(s) hereby confirms the second inventor's last name is IHM instead of KIM.	
CONVEYING PART	Y DATA	· · · · · · · · · · · · · · · · · · ·		
		Name	Execution Date	
Jae Wan KIM			02/11/2010	
Bin Chul IHM			01/20/2010	
Jin Hyuk JUNG			02/11/2010	
RECEIVING PARTY	DATA			
Name:	LG Electronic	cs Inc.		
Street Address:	20, Yeouido-	dong, Yeongdeungpo-gu		
City:	Seoul			
li	KOREA, REPUBLIC OF			
State/Country:	KOREA, RE	PUBLIC OF		
State/Country: Postal Code: PROPERTY NUMBE	150-721			
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Postal Code: PROPERTY NUMBE Property Application Number CORRESPONDENC Fax Number: Phone: Email: <i>Correspondence will</i> <i>via US Mail.</i> Correspondent Nam Address Line 1:	150-721 ERS Total: 1 Type r: CE DATA (213)62 213-623 patent@ Ibe sent to the other ne: LEE, HO	Number 12673749 3-2211 3-2221 Olhlaw.com e-mail address first; if that is unsuccessful, it is unsuccessfu		
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SUBMISSION TYPE: NEW ASSIGNMENT			
NATURE OF CONVEYANCE:		ASSIGNMENT	
CONVEYING PAR	TY DATA		
	N	lame	Execution Date
Jae Wan Kim			02/11/2010
Bin Chul Kim			01/20/2010
Jin Hyuk Jung			02/11/2010
	LG Electronics Inc. 20, Yeouido-dong, Yeongdeungpo-gu		
City: State/ Country:	Seoul REPUBLIC OF		
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Email:uspto@lhlaw.cCorrespondent Name:LEE, HONG, DAddress Line 1:660 S. FIGUEFAddress Line 2:Suite 2300Address Line 4:LOS ANGELES.	EGERMAN, KANG & WAIMEY
ATTORNEY DOCKET NUMBER:	2101-3774
NAME OF SUBMITTER:	Harry S. Lee
Signature:	/Harry S. Lee/
Date:	02/16/2010
Total Attachments: 6 source=2101-3774_Assignment#page1.tif source=2101-3774_Assignment#page2.tif source=2101-3774_Assignment#page3.tif source=2101-3774_Assignment#page4.tif source=2101-3774_Assignment#page5.tif source=2101-3774_Assignment#page6.tif	
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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
Inv Ca	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) 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.

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.

1) Date:		Signature of Inventor
2) Date:		Signature of Inventor
3) Date:	11. Fab. 2010	Signature of Inventor

2/2

ASSIGNMENT

(1-8)	Insert Name(s) of	(1) Jae Wan KIM	(5)
	Inventor(s)	(2) Bin Chul IHM	(6)
		(3) Jin Hyuk JUNG	(7)
		(4)	(8)
		valuable considerations	um of one dollar (\$1.00) and other good and paid to each of the undersigned, the assign, and hereby does assign, transfer and
(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, Ye Republic of Korea	ongdeungpo-gu, Seoul, 150-721,
		interest in the invention known	Assignee) the entire worldwide right, title and 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 (13) February 11, 2010 Application

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PATENT REEL: 028158 FRAME: 0690 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.

1) Date: 70, 11 2 0/	Signature of Inventor
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2) Date:	Signature of Inventor
3) Date:	Signature of Inventor
4) Date:	Signature of Inventor
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5) Date:	Signature of Inventor
6) Date:	Signature of Inventor Decettron Des
	Signature of Inventor
7) Date:	

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ASSIGNMENT

(1-8)	Insert Name(s) of Inventor(s)	valuable considerations paid	 (5) (6) (7) (8) one dollar (\$1.00) and other good and to each of the undersigned, the and hereby does assign, transfer and
(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, Yeongde Republic of Korea	ungpo-gu, Seoul, 150-721,
(12)	Insert identification of Invention, such as Title,	(hereinafter designated as the Assigne interest in the invention known as (12) METHOD FOR FEEDBACK AND CODEBOOK IN MULTI-ANTENNA SY	METHOD FOR CONFIGURING A
	Case Number or Foreign Application Number	for which the undersigned has (have) e the United States of America and all pa corresponding thereto or based thereo	atent applications in foreign countries
(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.

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1) Date:	Signature of Inventor
2) Date: Jav 20, 2010	Signature of Inventor & U 22
3) Date:	Signature of Inventor

2/2

RECORDED: 05/04/2012