PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Kijun KIM	08/27/2012
Byounghoon KIM	08/27/2012
Hyungyeol LEE	10/19/2012
Jinbae PARK	10/19/2012
Mingyu KANG	10/19/2012
Youngseob CHOI	10/22/2012
Kwangsoon KIM	10/19/2012

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

Name:	INDUSTRY-ACADEMIC COOPERATION FOUNDATION, YONSEI UNIVERSITY
Street Address:	Yonsei University
Internal Address:	134 Sinchon-dong, Seodaemoon-gu
City:	Seoul
State/Country:	KOREA, REPUBLIC OF
Postal Code:	120-749

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13643500

CORRESPONDENCE DATA

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PATENT

REEL: 029193 FRAME: 0986

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Total Attachments: 2

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PATENT REEL: 029193 FRAME: 0987

Assignment of Application

WHEREAS, I (WE)	KIM, Kijun; KIM, Byounghoon; LEE, Hyungyeol; PARK, Jinbae; KANG, Mingyu; CHOI, Youngseob and KIM, Kwangsoon		
			, respectively,
have invented certain new a	nd useful improvements in:		<u> </u>
COMMUNICATION	EDBACK FOR MULTI-CE ON AND AN ADAPTIVE TI ERMINING METHOD ANI	RANSMISSION	TIVE MODE
for which an application for	Letters Patent was executed o	n	

(Application No.	, Filed), and
	LG ELECTRONICS INC. and INDUSTRY-ACADEMIC COOPERATION FOUNDATION, YONSEI UNIVERSITY	
20 Yeouido-dong,	ed to as "ASSIGNEE") having a place of business at: Yeongdeungpo-gu, Seoul 150-721 Republic of Korea and Yonsei nchon-dong, Seodaemoon-gu Seoul 120-749	

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and Its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behalf of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said

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LG Ref.: HFCCM149US02

KBK No. OPP-TZ-2011-0110-US-00

Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of McKenna Long & Aldridge LLP, Attorneys at Law, 1900 K Street, N.W., Washington, D.C. 20006 the power to insert on this assignment any further identification, including the application number and filing date, 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: 2012/8/29	(Signature of Inventor) KIM, Kijun
Date: 20/2 / 8 / 2	(Signature of Inventor) KIM, Byounghoon
Date: 2012 10.18	LEE, Hyungyeol
Date: >0 2.10.10	(Signature of Inventor) PARK, Jinbae
Date: '7012.10,19	(Signature of Inventor) KANG, Mingyu
Date: 2012.10. >>	(Signature of Inventor) CHOI, Youngseob
Date: 7012 - 10.10	(Signature of Inventor) KIM, Kwangsoon

McKenna Long & Aldridge LLP

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