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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
YOUNG JO KO	12/06/2012
BANG WON SEO	12/06/2012
JAE YOUNG AHN	12/06/2012

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14087928

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Date:	11/22/2013	

Total Attachments: 2

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PATENT REEL: 031661 FRAME: 0661 .00 140879;

IP20121894 특허법인 무한

ASSIGNMENT

I/We, KO, Young Jo of Daejeon, Republic of Korea; SEO, Bangwon of Daejeon, Republic of Korea; AHN, Jae Young of Daejeon, Republic of Korea, in consideration of One Dollar and other valuable consideration paid to me/us by

Electronics and Telecommunications Research Institute

having its principal place of business at 161 Gajeong-dong, Yuseong-gu, Daejeon 305-700, Republic of Korea, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

Electronics and Telecommunications Research Institute

its successors and assigns, the entire interest for the United States of America and all foreign countries including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in

METHOD AND APPARATUS FOR TRANSMISSION AND RECEPTION IN MULTI-CARRIER WIRELESS COMMUNICATION SYSTEMS

described	in an application		
	executed by us of even date herewith and about to be filed		
	Serial No	, filed on	
in the Un	ited States Patent	nd Trademark Office, and in all Letters Patent of the United	
States an	d all foreign count	ies which may or shall be granted on said invention, or any parts	
thereof, o	or on said applicati	on, or any divisional, continuing, reissue or other applications	

based in whole or in part thereon.

And I/we agree, for myself/ourselves and my/our executor(s) and administrator(s), with said assignee and its successors and assigns but at its or their expense and charges, hereafter to execute all applications, amended specifications, deed or other instrument, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and in all other countries to said assignee, with specifications and claims in such form as shall be approved by the counsel of said assignee and to vest and confirm in said assignee, its successors and assigns, the legal title to all such patents.

And I/we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said assignee, its successors and assigns. And I/we do further hereby grant the attorneys/agents of Nelson Mullins Riley and Scarborough LLP, One Post Office Square, Boston, Massachusetts 02109-2127, the power to insert on this Assignment the filing date and/or application number of said application.

By:	
KO, Young Jo	
Date: Dec. 6, 2012	
Witnesses:	
Witness 1	Date
Witness 2	Date
By: SEO, Bangwon	
Date: Vecember 6, 2012	
Witnesses:	
Witness 1	Date
Witness 2	Date
By: AHN, Jae Young	_
Date: _ Vec. 6 , 2012_	
Witnesses:	
Witness 1	Date
Witness 2	Date