

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Young-Jo KO</td><td>06/07/2010</td></tr><tr><td>Jae Young AHN</td><td>06/07/2010</td></tr><tr><td>Bangwon SEO</td><td>06/07/2010</td></tr></tbody></table>		Name	Execution Date	Young-Jo KO	06/07/2010	Jae Young AHN	06/07/2010	Bangwon SEO	06/07/2010
Name	Execution Date								
Young-Jo KO	06/07/2010								
Jae Young AHN	06/07/2010								
Bangwon SEO	06/07/2010								
RECEIVING PARTY DATA									
Name:	Electronics and Telecommunications Research Institute								
Street Address:	161 Gajeong-dong, Yuseong-gu								
City:	Daejeon								
State/Country:	REPUBLIC OF KOREA								
Postal Code:	305-350								
PROPERTY NUMBERS Total: 1									
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12769215</td></tr></tbody></table>		Property Type	Number	Application Number:	12769215				
Property Type	Number								
Application Number:	12769215								
CORRESPONDENCE DATA									
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NAME OF SUBMITTER:	EuiHoon Lee								
Total Attachments: 2 source=ES7_002_Assignment#page1.tif source=ES7_002_Assignment#page2.tif									

CH \$40.00 12769215

PATENT

501241438

REEL: 024730 FRAME: 0406

ASSIGNMENT

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

Electronics & Telecommunications Research Institute

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

Electronics & 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 for transmitting dedicated reference signal, and method for receiving dedicated reference signal

described in an application

☐ executed by us of even date herewith and about to be filed


☒ Serial No. 12/769,215, filed on April, 28, 2010

in the United States Patent and Trademark Office, and in all Letters Patent of the United States and all foreign countries which may or shall be granted on said invention, or any parts thereof, or on said application, 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 Lahive & Cockfield, LLP, the power to insert on this Assignment the filing date and/or application number of said application.

By: 
 (Name) Young-Jo KO

Date: June 7, 2010

Witnesses:

 Witness 1

 Date

 Witness 2

 Date

By: 
 (Name) Jae Young AHN

Date: June 7, 2010

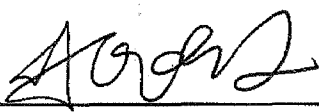
Witnesses:

 Witness 1

 Date

 Witness 2

 Date

By: 
 (Name) Bangwon SEO

Date: June 7, 2010

Witnesses:

 Witness 1

 Date

 Witness 2

 Date