

**PATENT ASSIGNMENT**

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Jinkyu CHOI</td> <td>08/17/2010</td> </tr> <tr> <td>Hyung-Jung KIM</td> <td>08/17/2010</td> </tr> <tr> <td>Seok SEO</td> <td>08/17/2010</td> </tr> <tr> <td>Jin-Up KIM</td> <td>08/17/2010</td> </tr> </tbody> </table>		Name	Execution Date	Jinkyu CHOI	08/17/2010	Hyung-Jung KIM	08/17/2010	Seok SEO	08/17/2010	Jin-Up KIM	08/17/2010
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Seok SEO	08/17/2010										
Jin-Up KIM	08/17/2010										
<b>RECEIVING PARTY DATA</b>											
Name:	ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE										
Street Address:	161 Gajeong-dong, Yuseong-gu										
City:	Daejeon										
State/Country:	REPUBLIC OF KOREA										
Postal Code:	305-350										
<b>PROPERTY NUMBERS Total: 1</b>											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12888216</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12888216						
Property Type	Number										
Application Number:	12888216										
<b>CORRESPONDENCE DATA</b>											
Fax Number:	(202)408-0924										
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Correspondent Name:	Rabin & Berdo, P.C.										
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Address Line 2:	Suite 500										
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ATTORNEY DOCKET NUMBER:	SHIN-335										
NAME OF SUBMITTER:	Steven M. Rabin										
Total Attachments: 2											

OP \$40.00 12888216

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**PATENT  
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**ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT**

WHEREAS : Jinkyu CHOI; Hyung-Jung KIM; Seok SEO; Jin-Up KIM

hereinafter referred to collectively as the assignor, has invented a certain improvement relating to  
APPARATUS AND METHOD FOR TRANSMITTING/RECEIVING SIGNAL

[X] the inventor(s) declaration for said application being executed concurrently with the execution of this instrument; said application to be filed in the United States Patent and Trademark Office;  
[ ] said application having been filed in the United States Patent and Trademark Office on \_\_\_\_\_, authorization being hereby given to my attorneys, Steven M. Rabin, Robert H. Berdo, Jr., Phillip G. Avruch, and Allen Wood of RABIN & BERDO, P.C., 1101 14th Street, N.W., Washington, D.C. 20005, to insert here in parentheses (Application Serial No. \_\_\_\_\_) the application serial number of said application when known;

AND WHEREAS ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE of Daejeon, Republic of Korea hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof;


NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the full and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.

AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.

AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.

EXECUTED, this 17 day of August, 2010.

**WITNESSES:**

Signature:   
Name: Chang-Wook LEE  
Address: Seoul, Republic of Korea

**ASSIGNOR:**

Signature:   
Name: Jinkyu CHOI

**WITNESSES:**

Signature: 

Name: Chang-Wook LEE

Address: Seoul, Republic of Korea

**ASSIGNOR:**

Signature 

Name: Hyung-Jung KIM

**WITNESSES:**

Signature: 

Name: Chang-Wook LEE

Address: Seoul, Republic of Korea

**ASSIGNOR:**

Signature 

Name: Seok SEO

**WITNESSES:**

Signature: 

Name: Chang-Wook LEE

Address: Seoul, Republic of Korea

**ASSIGNOR:**

Signature 

Name: Jin-Up KIM