

## PATENT ASSIGNMENT COVER SHEET

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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>YOUN-OK PARK</td> <td>10/10/2013</td> </tr> <tr> <td>YOUNG-JO BANG</td> <td>10/10/2013</td> </tr> </tbody> </table>		Name	Execution Date	YOUN-OK PARK	10/10/2013	YOUNG-JO BANG	10/10/2013				
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CORRESPONDENCE DATA											
<p>Fax Number: (703)854-1332          Phone: 703-854-1331          Email: mail@lrkpatent.com  <i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>          Correspondent Name: TAEKSOO LEE          Address Line 1: 1952 GALLOWS RD. SUITE 200          Address Line 4: VIENNA, VIRGINIA 22182</p>											
ATTORNEY DOCKET NUMBER:	P10648US										
NAME OF SUBMITTER:	TAEKSOO LEE										
Signature:	/Taeksoo Lee/										
Date:	10/16/2013										
Total Attachments: 2 source=Scan0001#page1.tif source=Scan0002#page1.tif											

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# **ASSIGNMENT**

WHEREAS, Young-Jo BANG, a citizen of Daejeon-si, Republic of Korea, whose post office address is 506-1302 Expo Apt., Jeonmin-dong, Yuseong-gu, Daejeon-si, Republic of Korea, and Youn-Ok PARK, a citizen of Daejeon-si, Republic of Korea, whose post office address is 109-401 Cheonggu Narae Apt., Jeonmin-dong, Yuseong-gu, Daejeon-si, Republic of Korea hereinafter referred to as the ASSIGNORS, have invented a certain improvement relating to

## **A CENTRAL NODE APPARATUS AND METHOD FOR TRANSMITTING WIRELESS SIGNALS BETWEEN CENTRAL OFFICE NODE AND REMOTE NODE USING BEAM PATTERNS AND ANTENNA POLARIZATION**

for which they have executed an application for Letters Patent for the United States in the United States Patent and Trademark Office even date herewith.

If this Assignment is filed after the filing date of the above-identified application, the undersigned hereby authorize and request Taeksoo Lee, Reg. No. 61,976 of the LRK Patent Law Firm, whose address is 1952 Gallows Rd., Suite 200, Vienna, Virginia 22182, to insert here in parenthesis (Application No. \_\_\_\_\_, filed \_\_\_\_\_) the filing date and application number of said application when known.

AND WHEREAS, Electronics & Telecommunications Research Institute, a corporation organized and existing under the laws of Republic of Korea, whose post-office address is 161 Gajeong-dong, Yuseong-gu, Daejeon-si, 305-700, Republic of Korea, hereinafter known as the ASSIGNEE, is desirous of acquiring the entire right, title and interest for the United States in and to said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, 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, the receipt whereof is hereby acknowledged, said ASSIGNORS hereby assign, sell and transfer to said ASSIGNEE, its assigns and legal representatives, the entire and exclusive right, title and interest in and to said invention and application, for the United States including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, said ASSIGNEE and its assigns and legal representatives to have, hold, exercise and enjoy the said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges, and advantages in any ways arising from or pertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, and prolongations thereof, for the use and benefit of said ASSIGNEE and its assigns and legal

OP13H0102-US\_IP20121458(신지)

representatives in as ample and beneficial a manner to all intents and purposes as the said ASSIGNORS might or could have held and enjoyed the same, if this assignment had not been made.

AND said ASSIGNORS hereby agree to execute all papers necessary to file applications in the United States for said invention and to assign the same to said ASSIGNEE, or any assignee acquiring title to said invention, and to execute any other papers that may be needed in connection with filing said application and securing Letters Patent thereon.

AND said ASSIGNORS authorize and request the Commissioner of Patents to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said ASSIGNEE, its assigns and legal representatives, in accordance herewith.

IN TESTIMONY WHEREOF, this assignment is executed by said ASSIGNORS, on the respective dates indicated below.

Young Jo Bang      Oct. 10, 2013  
Young-Jo BANG      Date

Youn-Ok Park      Oct. 10, 2013  
Youn-Ok PARK      Date

Witnessed by:

\_\_\_\_\_  
Date

\_\_\_\_\_  
Date