

PATENT ASSIGNMENT

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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>Sung Hyun HWANG</td> <td>02/13/2013</td> </tr> <tr> <td>Jung Sun UM</td> <td>02/13/2013</td> </tr> <tr> <td>Hoi Yoon JUNG</td> <td>02/13/2013</td> </tr> <tr> <td>Gwang Zeen KO</td> <td>02/13/2013</td> </tr> <tr> <td>Byung Jang JEONG</td> <td>02/13/2013</td> </tr> <tr> <td>Chang Joo KIM</td> <td>02/13/2013</td> </tr> </tbody> </table>		Name	Execution Date	Sung Hyun HWANG	02/13/2013	Jung Sun UM	02/13/2013	Hoi Yoon JUNG	02/13/2013	Gwang Zeen KO	02/13/2013	Byung Jang JEONG	02/13/2013	Chang Joo KIM	02/13/2013
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Byung Jang JEONG	02/13/2013														
Chang Joo KIM	02/13/2013														
RECEIVING PARTY DATA															
Name:	Electronics and Telecommunications Research Institute														
Street Address:	161 Gajeong-dong, Yuseong-gu														
City:	Daejeon														
State/Country:	KOREA, REPUBLIC OF														
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>13822578</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13822578										
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Application Number:	13822578														
CORRESPONDENCE DATA															
Fax Number:	6309087653														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
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ATTORNEY DOCKET NUMBER:	PA1126-0														
NAME OF SUBMITTER:	Woochoon William Park														
Total Attachments: 3 source=PA1126-0_Assignment#page1.tif source=PA1126-0_Assignment#page2.tif source=PA1126-0_Assignment#page3.tif															

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DOCKET:
IP20100796A

PATENT

ASSIGNMENT OF APPLICATION

Now, therefore, in consideration of the sum of one dollar (\$1), the receipt whereof is acknowledge, and other good and valuable consideration, I/We, the assignor(s)

ASSIGNOR(S)

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Daejeon-si 305-761, Republic of Korea

by these presents do sell, assign and transfer unto said assignee

ASSINGEE

ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE
161 Gajeong-dong, Yuseong-gu, Daejeon-si 305-700 Republic of Korea

and the heirs, successors, assigns and legal representatives of the assignee the full and exclusive right to the said invention in the United States which are disclosed in the U.S. patent application titled

**APPARATUS AND METHOD FOR CONTROLLING SUBCARRIER SPACING
IN A WIRELESS COMMUNICATION SYSTEM**

for which an application for a United States Patent was filed on _____
Application Number _____; or

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IP20100796A

PATENT

for which an application for a United States Patent was executed by the undersigned on _____

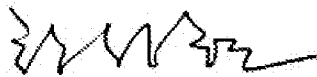
and any and all improvements thereof, the entire rights, title and interest in and to any and all Patents which may be granted therefore in the United States. I/We hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and for the use of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

The assignor(s) agree promptly upon request of the Assignee, its heirs, successors, assigns and legal representatives of the assignee to communicate any facts known to it respecting the patent and the invention set forth therein, and to execute and deliver without further compensation any power of attorney, Assignment, application, whether original, continuation, divisional or reissue, or other papers that may be necessary or fully

Assignor(s) hereby covenants that no assignment, sale agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale;

Assignor(s) further covenants that assignee will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to Assignor(s) and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to assignee or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

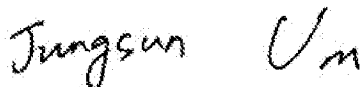
ASSIGNOR SIGNATURE(S)



HWANG, Sung Hyun

Feb. 13, 2013

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UM, Jung Sun

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JUNG, Hoi Yoon

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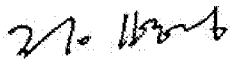
Date



KO, Gwang Zeen

Feb. 13. 2013

Date



JEONG, Byung Jang

Feb. 13. 2013

Date



KIM, Chang Joo

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