

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Myung Don KIM</td><td>05/24/2010</td></tr><tr><td>Jae Joon PARK</td><td>05/24/2010</td></tr><tr><td>Won Sop KIM</td><td>05/25/2010</td></tr><tr><td>Hyun Kyu CHUNG</td><td>05/24/2010</td></tr></tbody></table>	Name	Execution Date	Myung Don KIM	05/24/2010	Jae Joon PARK	05/24/2010	Won Sop KIM	05/25/2010	Hyun Kyu CHUNG	05/24/2010	
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Hyun Kyu CHUNG	05/24/2010										
RECEIVING PARTY DATA											
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Postal Code:	305-700										
PROPERTY NUMBERS Total: 1											
<table><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12746362</td></tr></tbody></table>	Property Type	Number	Application Number:	12746362							
Property Type	Number										
Application Number:	12746362										
CORRESPONDENCE DATA											
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<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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NAME OF SUBMITTER:	JAE Y. PARK										

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Total Attachments: 3

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PATENT

REEL: 024522 FRAME: 0633

UNITED STATES PATENT RIGHTS, OR
UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS

ASSIGNMENT

Insert Name(s)
and Address(es)

WHEREAS, 1) KIM, Myung Don of c/o ELECTRONICS AND TELECOMMUNICATIONS

of Inventor(s)

RESEARCH INSTITUTE 161 Gajeong-dong, Yuseong-gu Daejeon 305-700 Republic of Korea
2) PARK, Jae Joon of c/o ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE
161 Gajeong-dong, Yuseong-gu Daejeon 305-700 Republic of Korea 3) KIM, Won Sop of c/o
ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE 161 Gajeong-dong,
Yuseong-gu Daejeon 305-700 Republic of Korea and 4) CHUNG, Hyun Kyu of c/o ELECTRONICS AND
TELECOMMUNICATIONS RESEARCH INSTITUTE 161 Gajeong-dong, Yuseong-gu Daejeon 305-700
Republic of Korea

(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in

Insert Title
of Invention

MULTI-ANTENNA RADIO CHANNEL MEASUREMENT SYSTEM AND METHOD WHICH
GENERATES TIME DIVISION DUPLEX TIMING SIGNAL AND MEASURES TWO-WAY RADIO
CHANNEL

which claims priority to PCT Application No(s). PCT/KR2008/005176, filed on Sep. 3, 2008, and

for which the undersigned is (are) about to file an application for Letters Patent of the United States; and

Insert Name
of Assignee

WHEREAS, ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE

Insert Address
of Assignee

of 161 Gajeong-dong, Yuseong-gu, Daejeon 305-700 Republic of Korea

its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America and in any foreign countries.

NOW, THEREFORE, to all whom it may concern, be it known that, for good and valuable consideration paid to the undersigned, the receipt of which is hereby acknowledged, the undersigned has (have) sold, assigned and transferred, and by these presents does sell, assign and transfer unto the Assignee the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and in any and all foreign countries;

and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or terms for which the same may be granted.

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree (s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letter Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.


The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.


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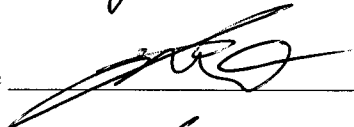
The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States of America patent(s) or a grant of a valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.


The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned declare that all statements made herein of his own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Name of Inventor: KIM, Myung Don, Signature , Date 2010. 05. 24.

Name of Inventor: PARK, Jae Joon, Signature , Date 2010. 05. 24

Name of Inventor: KIM, Won Sop, Signature , Date 2010. 05. 25

Name of Inventor: CHUNG, Hyun Kyu, Signature , Date May 24, 2010