

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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>Je Woo Kim</td><td>07/14/2008</td></tr><tr><td>Jong Hyeon Park</td><td>07/14/2008</td></tr><tr><td>Tae Ryun Chang</td><td>07/14/2008</td></tr><tr><td>Ju Won Park</td><td>07/14/2008</td></tr></tbody></table>	Name	Execution Date	Je Woo Kim	07/14/2008	Jong Hyeon Park	07/14/2008	Tae Ryun Chang	07/14/2008	Ju Won Park	07/14/2008	
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Je Woo Kim	07/14/2008										
Jong Hyeon Park	07/14/2008										
Tae Ryun Chang	07/14/2008										
Ju Won Park	07/14/2008										
RECEIVING PARTY DATA											
Name:	QUALCOMM Incorporated										
Street Address:	5775 Morehouse Drive										
City:	San Diego										
State/Country:	CALIFORNIA										
Postal Code:	92121										
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>12124955</td></tr></tbody></table>	Property Type	Number	Application Number:	12124955							
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Application Number:	12124955										
CORRESPONDENCE DATA											
Fax Number:	(858)658-2502										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	858-845-4265										
Email:	nanm@qualcomm.com										
Correspondent Name:	QUALCOMM INCORPORATED										
Address Line 1:	5775 MOREHOUSE DR.										
Address Line 4:	SAN DIEGO, CALIFORNIA 92121										
ATTORNEY DOCKET NUMBER:	071301										
NAME OF SUBMITTER:	Leeanne Lawlor										
Total Attachments: 2											
source=071301_Assignment#page1.tif											

CH \$40.00 12124955

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PATENT
REEL: 021238 FRAME: 0001

ASSIGNMENT

TO WHOM IT MAY CONCERN:

For the sum of One Dollar and other valuable consideration to us in hand paid, receipt of which is hereby acknowledged, be it known that We,

1. Je Woo Kim, a citizen of South Korea, having a place of residence at 7486 Bollinger Road, Cupertino, California, 95014;
2. Jong Hyeon Park, a citizen of South Korea, having a place of residence at 1111 Di Napoli Drive, San Jose, California, 95129;
3. Tae Ryun Chang, a citizen of South Korea, having a place of residence at 1901 Halford Avenue, #125, Santa Clara, California 95051; and
4. Ju Won Park, a citizen of South Korea, having a place of residence at 2221 Amaryllis Circle, San Ramon, California 94583

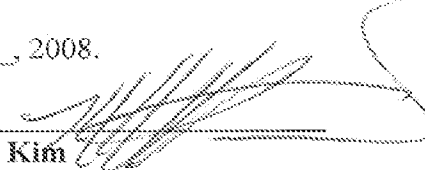
have sold, assigned and transferred and by these presents do sell, assign, transfer and set over unto QUALCOMM Incorporated, a Delaware corporation, having a place of business at 5775 Morehouse Drive, San Diego, California 92121-1714, its successors, legal representatives, or assigns, the entire right, title and interest in and to a certain invention relating to **Methods And Systems For Hybrid MIMO Schemes In OFDMA Systems**, by us devised and the application for United States Patent therefore filed in the United States Patent and Trademark Office on May 21 2008, and assigned Serial No. 12/124,955 and all original and reissue patents granted thereof, and all divisions, and continuations thereof, including the subject matter of any and all claims which may be obtained in every such patent, and all foreign rights to said invention, and covenant that we have full right to do so, and agree that we will communicate to said corporation

ASSIGNMENT

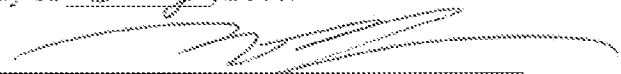
or its representatives all facts known to us respecting said invention, whenever requested, and testify in any legal proceedings, sign all lawful papers, make all rightful oaths and generally do everything possible to aid said corporation, its successors, assigns and nominees, to obtain and enforce proper patent protection for said invention in all countries.

The Commissioner of Patents and Trademarks is requested to issue the Letters Patent which may be granted for said invention or any part thereof unto said corporation in keeping with this Assignment.

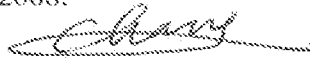
Done Cupertino, California, this 14th day of July, 2008.


Je Woo Kim

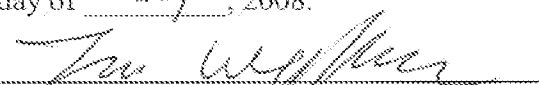
Done San Jose, California, this 14th day of July, 2008.


Jong Hyeon Park

Done Santa Clara, California, this 14th day of July, 2008.


Tae Ryun Chang

Done San Ramon, California, this 14th day of July, 2008.


Ju Won Park