

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Jong Hyeon Park	02/11/2010
Michael L. McCloud	01/28/2010
Brian C. Banister	02/01/2010
RECEIVING PARTY DATA	
Name:	QUALCOMM Incorporated
Street Address:	5775 Morehouse Drive
City:	San Diego
State/Country:	CALIFORNIA
Postal Code:	92121
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12688760
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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Correspondent Name:	Qualcomm Incorporated
Address Line 1:	5775 Morehouse Drive
Address Line 4:	San Diego, CALIFORNIA 92121
ATTORNEY DOCKET NUMBER:	091163
NAME OF SUBMITTER:	Leeanne Lawlor
Total Attachments: 2 source=091163_assignment#page1.tif source=091163_assignment#page2.tif	

CH \$40.00 12688760

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PATENT
REEL: 023953 FRAME: 0529

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,

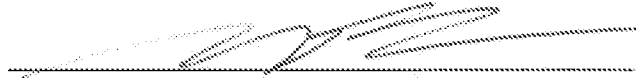
1. **Jong Hyeon Park**, a citizen of **Korea**, having a place of residence at **3195 Kifer Road, Santa Clara, CA, 95051, US**; and a resident of **San Jose, CA, US**; and
2. **Michael L. McCloud**, a citizen of the **United States**, having a mailing address of **5775 Morehouse Drive, San Diego, CA, 92121-1714, US**; and a resident of **San Diego, CA, US**; and
3. **Brian C. Bannister**, a citizen of the **United States of America**, having a mailing address of **5775 Morehouse Drive, San Diego, CA, 92121-1714, US**; and a resident of **San Diego, CA, US**,

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 FREQUENCY DOMAIN GAIN CONTROL IN OFDM MIMO SYSTEMS** by us devised and the application for United States Patent therefore filed in the United States Patent and Trademark Office on **January 15, 2010**, and assigned Serial Number **12/688,760**, including Provisional Application Number **61/150,727**, filed on **February 6, 2009**, and all original and reissue patents granted thereof (in the United States and any foreign county), and all divisionals, continuations-in-part 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 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.

ASSIGNMENT

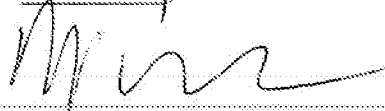
The Commissioner of Patents and Trademarks is requested to issue the Letters Patent which may be granted for said invention or any part thereof unto said corporation in keeping with this Assignment.

Done at Santa Clara, California this 11th day of Feb, 2010.



JONG HYEON PARK

Done at San Diego, California this 28th day of January, 2010.



MICHAEL L. MCCLOUD

Done at San Diego, California this 1 day of Feb, 2010.



BRIAN C. BANISTER