

PATENT ASSIGNMENT

Electronic Version v1.1
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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>Xiliang Luo</td> <td>08/19/2010</td> </tr> <tr> <td>Wanshi Chen</td> <td>08/19/2010</td> </tr> <tr> <td>Juan Montojo</td> <td>08/19/2010</td> </tr> </tbody> </table>		Name	Execution Date	Xiliang Luo	08/19/2010	Wanshi Chen	08/19/2010	Juan Montojo	08/19/2010
Name	Execution Date								
Xiliang Luo	08/19/2010								
Wanshi Chen	08/19/2010								
Juan Montojo	08/19/2010								
RECEIVING PARTY DATA									
Name:	QUALCOMM Incorporated								
Street Address:	5775 Morehouse Drive								
City:	San Diego								
State/Country:	CALIFORNIA								
Postal Code:	92121								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12849185</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12849185				
Property Type	Number								
Application Number:	12849185								
CORRESPONDENCE DATA									
Fax Number:	(858)658-2502								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Email:	us-docketing@qualcomm.com								
Correspondent Name:	QUALCOMM Incorporated								
Address Line 1:	5775 Morehouse Drive								
Address Line 4:	San Diego, CALIFORNIA 92121								
ATTORNEY DOCKET NUMBER:	092908								
NAME OF SUBMITTER:	Gayle Gestick								
Total Attachments: 2 source=092908_2010-08-19_Signed_ASST#page1.tif source=092908_2010-08-19_Signed_ASST#page2.tif									

CH \$40.00 12849185

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. Xiliang Luo, a citizen of China, having a mailing address of 5775 Morehouse Drive, San Diego, California, USA 92121; and a resident of Northridge, CA,
2. Wanshi Chen, a citizen of China, having a mailing address of 5775 Morehouse Drive, San Diego, California, USA 92121; and a resident of San Diego, CA,
3. Juan Montojo, a citizen of the United States of America, having a mailing address of 5775 Morehouse Drive, San Diego, California, USA 92121; and a resident of San Diego, CA,

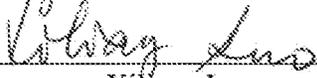
have sold, assigned and transferred and by these presents do sell, assign, transfer and set over unto QUALCOMM Incorporated, a Delaware corporation, having a place of business at 5775 Morehouse Drive, San Diego, California 92121-1714, its successors, legal representatives, or assigns, the entire right, title and interest in and to a certain invention relating to **CONTROL FOR UPLINK IN MIMO COMMUNICATION SYSTEM** by us devised and the application for United States Patent therefore filed in the United States Patent and Trademark Office on **08/03/2010**, and assigned Serial No. **12/849,185**, including Provisional Application Number **61/231,289**, filed on **08/04/2009**, and all original and reissue patents granted thereof (in the United States and any foreign country), and all divisionals, continuations and 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

ASSIGNMENT

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 at San Diego, California this 19th day of August, 2010.



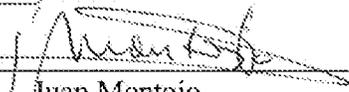
Xifang Luo

Done at San Diego, California this 19th day of August, 2010.



Wanshi Chen

Done at San Diego, California this 19th day of August, 2010.



Juan Montojo