

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>Yiwu Tang</td><td>07/11/2008</td></tr><tr><td>Christian Holenstein</td><td>07/11/2008</td></tr><tr><td>Marco Cassia</td><td>07/11/2008</td></tr><tr><td>Mahim Ranjan</td><td>07/11/2008</td></tr></tbody></table>	Name	Execution Date	Yiwu Tang	07/11/2008	Christian Holenstein	07/11/2008	Marco Cassia	07/11/2008	Mahim Ranjan	07/11/2008	
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Yiwu Tang	07/11/2008										
Christian Holenstein	07/11/2008										
Marco Cassia	07/11/2008										
Mahim Ranjan	07/11/2008										
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>12185041</td></tr></tbody></table>	Property Type	Number	Application Number:	12185041							
Property Type	Number										
Application Number:	12185041										
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:	080328										
NAME OF SUBMITTER:	Gayle Gestick										
Total Attachments: 2 source=080328_2008-08-05_Assignment#page1.tif source=080328_2008-08-05_Assignment#page2.tif											

CH \$40.00 12185041

PATENT

500612956

REEL: 021343 FRAME: 0093

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. **Yiwu Tang**, a citizen of China, having a place of residence at 13789 Kerry Lane, San Diego, CA, 92130, US;
2. **Christian Holenstein**, a citizen of Switzerland, having a place of residence at 4424 Felton Street, San Diego, CA, 92116, US
3. **Marco Cassia**, a citizen of Italy, having a place of residence at 1656 Reed Avenue #4, San Diego, CA, 92019, US; and
4. **Mahim Ranjan**, a citizen of India, having a place of residence at 9236 Regents Road, Apt E, La Jolla, CA, 92037, 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 APPARATUS FOR IMPLEMENTING PHASE ROTATION AT BASEBAND FREQUENCY FOR TRANSMIT DIVERSITY** by us devised and the application for United States Patent therefore filed in the United States Patent and Trademark Office on Aug. 1, 2008, assigned Application Number 12/185,041 (and we hereby authorize and instruct QUALCOMM Incorporated to hereafter complete this Assignment by inserting the filing date and serial number in the space provided when known), including, without limitation, all provisional patent applications, and all original and reissue patents granted thereof (in the United States and any foreign country), 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 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.

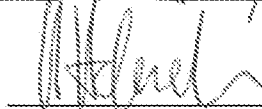
The Commissioner of Patents and Trademarks is requested to issue the Letters Patent which may be granted for said invention or any part thereof unto said corporation in keeping with this Assignment.

Done at San Diego, California this 11 day of July, 2008.




Yiwu Tang

Done at San Diego, California this 11 day of July, 2008.



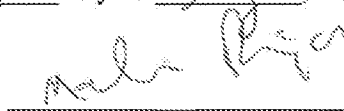
Christian Holenstein

Done at San Diego, California this 11 day of JULY, 2008.



Marco Cassia

Done at San Diego, California this 11th day of July, 2008.



Mahim Ranjan