

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Jifeng Geng</td> <td>12/01/2008</td> </tr> <tr> <td>Gary John Ballantyne</td> <td>12/02/2008</td> </tr> <tr> <td>Daniel F. Filipovic</td> <td>12/01/2008</td> </tr> </tbody> </table>		Name	Execution Date	Jifeng Geng	12/01/2008	Gary John Ballantyne	12/02/2008	Daniel F. Filipovic	12/01/2008
Name	Execution Date								
Jifeng Geng	12/01/2008								
Gary John Ballantyne	12/02/2008								
Daniel F. Filipovic	12/01/2008								
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" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12330885</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12330885				
Property Type	Number								
Application Number:	12330885								
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:	081513								
NAME OF SUBMITTER:	Gayle Gestick								

Total Attachments: 4
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 source=081513_2008-12-09_Assignment#page2.tif
 source=081513_2008-12-09_Assignment#page3.tif

CH \$40.00 12330885

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. Jifeng Geng, a citizen of China, having a place of residence at 10307 Azuaga Street, #28, San Diego, CA 92129;
2. Gary John Ballantyne, a citizen of New Zealand, having a place of residence at 3 Spinnaker Lane, Sumner, Christchurch, 8081, New Zealand;
3. Daniel F. Filipovic, a citizen of the United States of America, having a place of residence at 429 South Sierra Avenue, Apt. #341, Solana Beach, CA 92075;

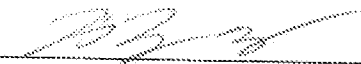
have sold, assigned and transferred and by these presents do sell, assign, transfer and set over unto QUALCOMM Incorporated, a Delaware corporation, having a place of business at 5775 Morehouse Drive, San Diego, California 92121-1714, its successors, legal representatives, or assigns, the entire right, title and interest in and to a certain invention relating to **DIGITAL PHASE-LOCKED LOOP WITH TWO-POINT MODULATION AND ADAPTIVE DELAY MATCHING** by us devised and the application for United States Patent therefore filed in the United States Patent and Trademark Office on December 9, 2008, and assigned Serial No. 12/330,885 (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, 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

ASSIGNMENT

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 1 day of 12, 2008.

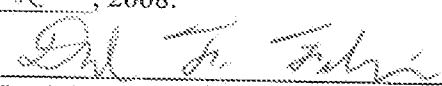


Jifeng Geng

Done at San Diego, California this _____ day of _____, 2008.

Gary John Ballantyne

Done at San Diego, California this 1 day of 12, 2008.



Daniel F. Filipovic

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. Jifeng Geng, a citizen of China, having a place of residence at 10307 Azuaga Street, #28, San Diego, CA 92129;
2. Gary John Bailantyne, a citizen of New Zealand, having a place of residence at 3 Spinnaker Lane, Sumner, Christchurch, 8081, New Zealand;
3. Daniel F. Filipovic, a citizen of the United States of America, having a place of residence at 429 South Sierra Avenue, Apt. #341, Solana Beach, CA 92075;

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 **DIGITAL PHASE-LOCKED LOOP WITH TWO-POINT MODULATION AND ADAPTIVE DELAY MATCHING** by us devised and the application for United States Patent therefore filed in the United States Patent and Trademark Office on December 9, 2008, and assigned Serial No. 12/330,885 (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, 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

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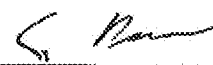
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The Commissioner of Patents and Trademarks is requested to issue the Letters Patent which may be granted for said invention or any part thereof unto said corporation in keeping with this Assignment.

Done at San Diego, California this _____ day of _____, 2008.

Jifeng Geng

Done at New Zealand this 2nd day of December, 2008.



Gary John Ballantyne

Done at San Diego, California this _____ day of _____, 2008.

Daniel F. Filipovic