

**PATENT ASSIGNMENT**

Electronic Version v1.1  
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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT								
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT								
<b>CONVEYING PARTY DATA</b>									
<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>Yang Xu</td> <td>02/14/2008</td> </tr> <tr> <td>Gang Zhang</td> <td>02/08/2008</td> </tr> <tr> <td>Prasad S. Gudem</td> <td>02/05/2008</td> </tr> </tbody> </table>		Name	Execution Date	Yang Xu	02/14/2008	Gang Zhang	02/08/2008	Prasad S. Gudem	02/05/2008
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Yang Xu	02/14/2008								
Gang Zhang	02/08/2008								
Prasad S. Gudem	02/05/2008								
<b>RECEIVING PARTY DATA</b>									
<b>Name:</b>	QUALCOMM Incorporated								
<b>Street Address:</b>	5775 Morehouse Drive								
<b>City:</b>	SAN DIEGO								
<b>State/Country:</b>	CALIFORNIA								
<b>Postal Code:</b>	92121-1714								
<b>PROPERTY NUMBERS Total: 1</b>									
<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>12037503</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12037503				
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Application Number:	12037503								
<b>CORRESPONDENCE DATA</b>									
<b>Fax Number:</b>	(858)658-2502								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
<b>Phone:</b>	858-845-4265								
<b>Email:</b>	nanm@qualcomm.com								
<b>Correspondent Name:</b>	QUALCOMM INCORPORATED								
<b>Address Line 1:</b>	5775 MOREHOUSE DR.								
<b>Address Line 4:</b>	SAN DIEGO, CALIFORNIA 92121								
<b>ATTORNEY DOCKET NUMBER:</b>	071669								
<b>NAME OF SUBMITTER:</b>	Larry J. Moskowitz, Reg. No. 42,911								
<b>Total Attachments: 4</b> source=071669_2008-02-26_ASST#page1.tif source=071669_2008-02-26_ASST#page2.tif									

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## 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. Yang Xu, a citizen of the People's Republic of China, having a place of residence at 3510 N. Pine Grove #504, Chicago, Illinois 60657;
2. Gang Zhang, a citizen of the People's Republic of China, having a place of residence at 17145 Ralph Ranch Road, San Diego, California 92127; and
3. Prasad S. Gudem, a citizen of India, having a place of residence at 7180 Shoreline Drive #5313, San Diego, California 92122;

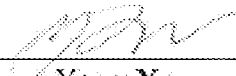
have sold, assigned and transferred and by these presents do sell, assign, transfer and set over unto QUALCOMM Incorporated, a Delaware corporation, having a place of business at 5775 Morehouse Drive, San Diego, California 92121-1714, its successors, legal representatives, or assigns, the entire right, title and interest in and to a certain invention relating to DELTA-SIGMA MODULATOR CLOCK DITHERING IN A FRACTIONAL-N PHASE-LOCKED LOOP by me devised and the application for United States Patent therefore filed in the United States Patent and Trademark Office on February 26, 2008, and assigned Serial No. 12/037,503 (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 limitations, 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,

## ASSIGNMENT

and all foreign rights to said invention, and covenant that I have full right to do so, and agree that I will communicate to said corporation or its representatives all facts known to me 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 Chicago, Illinois this IV day of Feb., 2008.

  
\_\_\_\_\_  
Yang Xu

Done at San Diego, California this \_\_\_\_\_ day of \_\_\_\_\_, 2008.

\_\_\_\_\_  
Gang Zhang

Done at San Diego, California this \_\_\_\_\_ day of \_\_\_\_\_, 2008.

\_\_\_\_\_  
Prasad S. Gudem

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and all foreign rights to said invention, and covenant that I have full right to do so, and agree that I will communicate to said corporation or its representatives all facts known to me 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.

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Done at Chicago, Illinois this \_\_\_\_\_ day of \_\_\_\_\_, 2008.

\_\_\_\_\_  
Yang Xu

Done at San Diego, California this 8th day of February, 2008.

  
\_\_\_\_\_  
Gang Zhang

Done at San Diego, California this \_\_\_\_\_ day of \_\_\_\_\_, 2008.

\_\_\_\_\_  
Prasad S. Gudem

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Done at Chicago, Illinois this \_\_\_\_\_ day of \_\_\_\_\_, 2008.

\_\_\_\_\_  
Yang Xu

Done at San Diego, California this \_\_\_\_\_ day of \_\_\_\_\_, 2008.

\_\_\_\_\_  
Gang Zhang

Done at San Diego, California this 5th day of Feb, 2008.

  
\_\_\_\_\_  
Prasad S. Gudem