

PATENT ASSIGNMENT

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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>Nan Chen</td> <td>11/05/2008</td> </tr> <tr> <td>Zhiqin Chen</td> <td>11/05/2008</td> </tr> <tr> <td>Varun Verma</td> <td>11/05/2008</td> </tr> </tbody> </table>		Name	Execution Date	Nan Chen	11/05/2008	Zhiqin Chen	11/05/2008	Varun Verma	11/05/2008
Name	Execution Date								
Nan Chen	11/05/2008								
Zhiqin Chen	11/05/2008								
Varun Verma	11/05/2008								
RECEIVING PARTY DATA									
Name:	QUALCOMM Incorporated								
Street Address:	5775 Morehouse Drive								
Internal Address:	Patent Department								
City:	San Diego								
State/Country:	CALIFORNIA								
Postal Code:	92121-1714								
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>12328283</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12328283				
Property Type	Number								
Application Number:	12328283								
CORRESPONDENCE DATA									
Fax Number:	(858)658-2502								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	858-658-5787								
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Address Line 1:	5775 Morehouse Drive								
Address Line 2:	Patent Department								
Address Line 4:	San Diego, CALIFORNIA 92121-1714								
ATTORNEY DOCKET NUMBER:	071391								
NAME OF SUBMITTER:	Nicholas J. Pauley								
Total Attachments: 2									

CH \$40.00 12328283

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**PATENT
 REEL: 021944 FRAME: 0277**

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ASSIGNMENT

TO WHOM IT MAY CONCERN:

For the sum of One Dollar and other valuable consideration to me in hand paid, receipt of which is hereby acknowledged, be it known that I,

Nan Chen, a citizen of the United States, having a place of residence at 12240 Summerbreeze Lane, San Diego, CA

Zhiqin Chen, a citizen of the United States, having a place of residence at 7265 Arroyo Grande Road, San Diego CA 92129

Varun Verma, a citizen of India, having a place of residence at 4060 Rosenda Court, # 223, San Diego, CA 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 whole right, title and interest in and to a certain invention relating to:

Memory Access Time Measurement Using Phase Detector

by me devised and the application for United States Patent therefor filed in the United States Patent and Trademark Office on December 4, 2008, and assigned Serial No. 12/328,283 (and I hereby authorize and instruct **QUALCOMM Incorporated** to hereafter complete this Assignment by inserting the serial number in the space provided above 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 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 that may be granted for said invention or any part thereof unto said corporation in keeping with this Assignment.

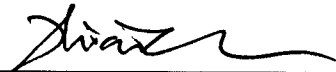
Done at San Diego, California this
5th day of November, 2008.



Nan Chen


Memory Access Time Measurement Using Phase Detector

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



Zhiqin Chen

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



Varun Verma