

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<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>Arak Sutivong</td> <td>07/16/2004</td> </tr> <tr> <td>David Jonathan Julian</td> <td>07/15/2004</td> </tr> <tr> <td>Avneesh Agrawal</td> <td>07/30/2004</td> </tr> </tbody> </table>		Name	Execution Date	Arak Sutivong	07/16/2004	David Jonathan Julian	07/15/2004	Avneesh Agrawal	07/30/2004
Name	Execution Date								
Arak Sutivong	07/16/2004								
David Jonathan Julian	07/15/2004								
Avneesh Agrawal	07/30/2004								
<b>RECEIVING PARTY DATA</b>									
<b>Name:</b>	QUALCOMM Incorporated								
<b>Street Address:</b>	5775 Morehouse Drive								
<b>Internal Address:</b>	Patent Department/Central Administration								
<b>City:</b>	San Diego								
<b>State/Country:</b>	CALIFORNIA								
<b>Postal Code:</b>	92121								
<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>12121328</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12121328				
Property Type	Number								
Application Number:	12121328								
<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>	us-docketing@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>	040404U2D1								
<b>NAME OF SUBMITTER:</b>	Donald C. Kordich								
<p>Total Attachments: 4          source=040404U2 Assignment#page1.tif</p>									

**CH \$40.00 12121328**

**500541035**

**PATENT  
 REEL: 020953 FRAME: 0879**

source=040404U2 Assignment#page2.tif

source=040404U2 Assignment#page3.tif

source=040404U2 Assignment#page4.tif

## 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 Arak Sutivong, a citizen of Thailand having a place of residence at 8840 Costa Verde Blvd, San Diego, California, and David Jonathan Julian, a citizen of the United States of America having a place of residence at 8540 Costa Verde Blvd. #4347 San Diego, California; and Avneesh Agrawal, a citizen of India having a place of residence at 7891 Doug Hill, San Diego, California, 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:

### POWER CONTROL FOR A WIRELESS COMMUNICATION SYSTEM UTILIZING ORTHOGONAL MULTIPLEXING

by us devised and the application for United States Patent therefor filed in the United States Patent and Trademark Office on July 21, 2004, including, without limitation, all provisional patent applications, including Serial No. 60/537,957, filed January 20, 2004, 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 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 16<sup>th</sup> day of July, 2004.



Arak Sutivong

Done at San Diego, California this \_\_\_\_\_ day of July, 2004.

David Jonathan Julian

Done at San Diego, California this \_\_\_\_\_ day of July, 2004.

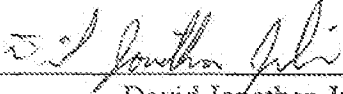
Avneesh Agrawal

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 July, 2004.

\_\_\_\_\_  
Arak Sutivong

Done at San Diego, California this 15 day of July, 2004.

  
\_\_\_\_\_  
David Jonathan Julian

Done at San Diego, California this \_\_\_\_\_ day of July, 2004.

\_\_\_\_\_  
Avneesh Agrawal

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.

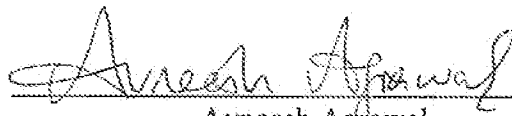
Done at San Diego, California this \_\_\_\_\_ day of July, 2004.

\_\_\_\_\_  
Arak Sutivong

Done at San Diego, California this \_\_\_\_\_ day of July, 2004.

\_\_\_\_\_  
David Jonathan Julian

Done at San Diego, California this 30<sup>th</sup> day of July, 2004.

  
\_\_\_\_\_  
Avneesh Agrawal