

PATENT ASSIGNMENT

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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>Rabih Chrabieh</td> <td>01/16/2009</td> </tr> <tr> <td>Samir S. Soliman</td> <td>01/08/2009</td> </tr> <tr> <td>Ozgur Dural</td> <td>01/08/2009</td> </tr> </tbody> </table>		Name	Execution Date	Rabih Chrabieh	01/16/2009	Samir S. Soliman	01/08/2009	Ozgur Dural	01/08/2009		
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>QUALCOMM Incorporated</td> </tr> <tr> <td>Street Address:</td> <td>5775 Morehouse Drive</td> </tr> <tr> <td>City:</td> <td>San Diego</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>92121-1714</td> </tr> </table>		Name:	QUALCOMM Incorporated	Street Address:	5775 Morehouse Drive	City:	San Diego	State/Country:	CALIFORNIA	Postal Code:	92121-1714
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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>13793842</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13793842						
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CORRESPONDENCE DATA											
Fax Number:	8586582502										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	(858) 651-5205										
Email:	us-docketing@qualcomm.com										
Correspondent Name:	QUALCOMM Incorporated										
Address Line 1:	5775 Morehouse Drive										
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ATTORNEY DOCKET NUMBER:	060402D1										
NAME OF SUBMITTER:	Michelle Sanfilippo										
Signature:	/Michelle Sanfilippo/										
Date:	05/07/2013										

CH \$40.00 13793842

Total Attachments: 4

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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. **Rabih Chrabieh**, a citizen of Lebanon, having a place of residence at 6 rue Victor Considerant, Paris, France 75014;
2. **Samir S. Soliman**, a citizen of the United States of America, having a place of residence at 11412 Cypress Canyon Park Drive, San Diego, California 92131; and
3. **Ozgur Dural**, a citizen of Turkey, having a place of residence at 4158 Decoro Street, #28, 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 **ADAPTIVE LOADING FOR ORTHOGONAL FREQUENCY DIVISION MULTIPLEX (OFDM) COMMUNICATION SYSTEMS** by us devised and the application for United States Patent therefore filed in the United States Patent and Trademark Office on November 7, 2008, assigned Application Number 12/266,842 (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, including Provisional Application Number 61/103,762 filed on October 8, 2008, 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 Paris, France this 16 day of Jan, 2009.



Rabih Chrabieh

Done at San Diego, California this _____ day of _____, 2009.

Samir S. Soliman

Done at San Diego, California this _____ day of _____, 2009.

Ozgur Dural

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 Paris, France this _____ day of _____, 2009.

Rabih Chrabieh

Done at San Diego, California this 8th day of Jan, 2009.



Samir S. Soliman

Done at San Diego, California this _____ day of _____, 2009.

Ozgur Dural

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.

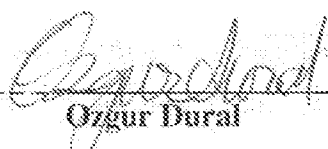
Done at Paris, France this _____ day of _____, 2009.

Rabih Chrabieh

Done at San Diego, California this _____ day of _____, 2009.

Samir S. Soliman

Done at San Diego, California this 8 day of January, 2009.



Ozgur Dural