

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Alexei Y. Gorokhov	02/25/2010
Juan Montojo	03/13/2010
Xiaoxia Zhang	03/09/2010
Peter Gaal	03/10/2010
Xiliang Luo	02/25/2010
<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>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	12702158
<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>	8586582389
<b>Email:</b>	US-Docketing@Qualcomm.com
<b>Correspondent Name:</b>	QUALCOMM Incorporated
<b>Address Line 1:</b>	5775 Morehouse Drive
<b>Address Line 4:</b>	San Diego, CALIFORNIA 92121-1714
<b>ATTORNEY DOCKET NUMBER:</b>	091314
<b>NAME OF SUBMITTER:</b>	Gayle Gestick

CH \$40.00 12702158

**Total Attachments: 15**

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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. Alexei Y. Gorokhov, a citizen of France, having a mailing address of 5775 Morehouse Drive, San Diego, California, USA 92121; and a resident of San Diego, CA,
2. Juan Montojo, a citizen of the United States of America, having a mailing address of 5775 Morehouse Drive, San Diego, California, USA 92121; and a resident of San Diego, CA,
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5. Xiliang Luo, a citizen of China, having a mailing address of 5775 Morehouse Drive, San Diego, California, USA 92121; and a resident of San Diego, CA,

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

## ASSIGNMENT

assigns, the entire right, title and interest in and to a certain invention relating to **METHOD AND APPARATUS FOR MODULATION AND LAYER MAPPING IN A WIRELESS COMMUNICATION SYSTEM** by us devised and the application for United States Patent therefore filed in the United States Patent and Trademark Office on **02/08/2010**, and assigned Serial No. **12/702,158**, including Provisional Application Number **61/151,781**, filed on **02/11/2009**, including Provisional Application Number **61/162,271**, filed on **03/21/2009**, and all original and reissue patents granted thereof (in the United States and any foreign country), and all divisionals, continuations and continuations-in-part 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, CA this 25<sup>th</sup> day of February, 2010.

  
\_\_\_\_\_  
Alexei Y. Gorokhov

Done at San Diego, CA this \_\_\_\_\_ day of \_\_\_\_\_, 2010.

\_\_\_\_\_  
Juan Montojo

**ASSIGNMENT**

Done at San Diego, CA this \_\_\_\_\_ day of \_\_\_\_\_, 2010.

\_\_\_\_\_  
Xiaoxia Zhang

Done at San Diego, CA this \_\_\_\_\_ day of \_\_\_\_\_, 2010.

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Peter Gaal

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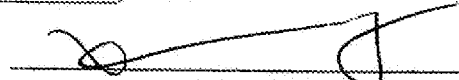
\_\_\_\_\_  
Alexei Y. Gorokhov

Done at San Diego, CA this \_\_\_\_\_ day of \_\_\_\_\_, 2010.

\_\_\_\_\_  
Juan Montojo

ASSIGNMENT

Done at San Diego, CA this 9<sup>th</sup> day of March, 2010.

  
\_\_\_\_\_  
Xiaoxia Zhang

Done at San Diego, CA this \_\_\_\_\_ day of \_\_\_\_\_, 2010.

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Peter Gaal

Done at San Diego, CA this \_\_\_\_\_ day of \_\_\_\_\_, 2010.

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Xiliang Luo



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Alexei Y. Gorokhov

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Juan Montojo

**ASSIGNMENT**

Done at San Diego, CA this \_\_\_\_\_ day of \_\_\_\_\_, 2010.

\_\_\_\_\_  
Xiaoxia Zhang

Done at San Diego, CA this 10<sup>th</sup> day of March, 2010.

  
\_\_\_\_\_  
Peter Gaal

Done at San Diego, CA this \_\_\_\_\_ day of \_\_\_\_\_, 2010.

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Alexei Y. Gorokhov

Done at San Diego, CA this 13<sup>th</sup> day of March, 2010.

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Peter Gaal

Done at San Diego, CA this 25<sup>th</sup> day of Feb, 2010.

  
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Xiliang Luo