

**PATENT ASSIGNMENT**

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Faith Ulupinar	05/21/2008
Parag A. Agashe	05/16/2008
Ragulan Sinnarajah	08/08/2008
<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
<b>PROPERTY NUMBERS Total: 3</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	13240981
Application Number:	13240992
Application Number:	13241002
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(858)658-2502
<b>Email:</b>	us-docketing@qualcomm.com
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Correspondent Name:</b>	QUALCOMM Incorporated
<b>Address Line 1:</b>	5775 Morehouse Drive
<b>Address Line 4:</b>	San Diego, CALIFORNIA 92121
<b>ATTORNEY DOCKET NUMBER:</b>	070986D1 070986D2070986D3
<b>NAME OF SUBMITTER:</b>	Christina Quatrino

CH \$120.00 13240981

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. **Fatih Ulupinar**, a citizen of the United States, having a place of residence at 17387 Grandee Place, San Diego, California 92128, United States;
2. **Parag A. Agashe**, a citizen of the United States, having a place of residence at 5851 Cape Jewels Trail, San Diego, California 92130, United States; and
3. **Ragulan Sinnarajah**, a citizen of Canada, having a place of residence at 63 Drawbridge Drive, Markham, Ontario L6C2G8, Canada;

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 **SIGNALING AND MANAGEMENT OF BROADCAST-MULTICAST WAVEFORM EMBEDDED IN A UNICAST WAVEFORM** by us devised and the application for United States Patent therefore filed in the United States Patent and Trademark Office on March 22, 2008, assigned Application Number 12/053,583, including, without limitation, all provisional patent applications, 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 San Diego, California this 21<sup>st</sup> day of May, 2008.

  
\_\_\_\_\_  
Fatih Ulupinar

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

\_\_\_\_\_  
Parag A. Agashe

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


\_\_\_\_\_  
Ragulan Sinnarajah

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 \_\_\_\_\_, 2008.

\_\_\_\_\_  
**Fatih Ulupinar**

Done at San Diego, California this 16 day of May, 2008.

  
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**Parag A. Agashe**

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

\_\_\_\_\_  
**Ragulan Sinnarajah**

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.

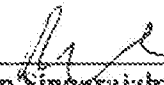
Done at San Diego, California this \_\_\_\_\_ day of \_\_\_\_\_, 2008.

\_\_\_\_\_  
Fatih Ulupinar

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

\_\_\_\_\_  
Parag A. Agashe

Done at MARUHAN, AMMAN this 9 day of AUGUST, 2008.

  
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Ragulan Sinnarajah