

**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>
Vanitha A. Kumar	09/09/2009
Bin Qiu	09/09/2009
Ashwini Raina	09/09/2009
Shailesh Maheshwari	09/09/2009
Gang A. Xiao	09/09/2009
Yateesh S. Gowda	09/09/2009
<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: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	12536587
<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>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
<b>ATTORNEY DOCKET NUMBER:</b>	082216
<b>NAME OF SUBMITTER:</b>	Gayle Gestick

CH \$40.00 12536587

**Total Attachments: 6**

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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. Vanitha A. Kumar, a citizen of the United States of America, having a mailing address of 5775 Morehouse Drive, San Diego, California, 92121, United States of America; and a resident of San Diego, California, United States of America,
2. Bin Qiu, a citizen of China, having a mailing address of 5775 Morehouse Drive, San Diego, California, 92121, United States of America; and a resident of San Diego, California, United States of America,
3. Ashwini Raina, a citizen of India, having a mailing address of 5775 Morehouse Drive, San Diego, California, 92121, United States of America; and a resident of Poway, California, United States of America,
4. Shailesh Maheshwari, a citizen of India, having a mailing address of 5775 Morehouse Drive, San Diego, California, 92121, United States of America; and a resident of San Diego, California, United States of America,
5. Gang A. Xiao, a citizen of the United States of America, having a mailing address of 5775 Morehouse Drive, San Diego, California, 92121, United States of America; and a resident

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of San Diego, California, United States of America,

6. Yateesh S. Gowda, a citizen of the United States of America, having a mailing address of 5775 Morehouse Drive, San Diego, California, 92121, United States of America; and a resident of Solana Beach, California, United States of America,

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 **EFFICIENT PACKET HANDLING FOR TIMER-BASED DISCARD 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 **August 6, 2009**, and assigned Serial No. **12/536,587**, including Provisional Application Number **61/087,074**, filed on **August 7, 2008**, 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.

ASSIGNMENT

Done at San Diego, California this 09 day of Sept, 2009.



\_\_\_\_\_  
Vanitha A. Kumar

Done at San Diego, California this \_\_\_\_\_ day of \_\_\_\_\_, 2009.

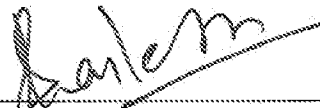
\_\_\_\_\_  
Bin Qiu

Done at San Diego, California this 09 day of Sept, 2009.



\_\_\_\_\_  
Ashwini Raina

Done at San Diego, California this 09 day of Sept, 2009.



\_\_\_\_\_  
Shailesh Maheshwari

Done at San Diego, California this 09 day of Sept, 2009.



\_\_\_\_\_  
Gang A. Xiao

Done at San Diego, California this \_\_\_\_\_ day of \_\_\_\_\_, 2009.

\_\_\_\_\_  
Yateesh S. Gowda

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3. Ashwini Raina, a citizen of India, having a mailing address of 5775 Morehouse Drive, San Diego, California, 92121, United States of America; and a resident of Poway, California, United States of America,
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of San Diego, California, United States of America,

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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 **EFFICIENT PACKET HANDLING FOR TIMER-BASED DISCARD 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 August 6, 2009, and assigned Serial No. 12/536,587, including Provisional Application Number 61/087,074, filed on August 7, 2008, 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.

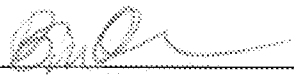
The Commissioner of Patents and Trademarks is requested to issue the Letters Patent which may be granted for said invention or any part thereof unto said corporation in keeping with this Assignment.

ASSIGNMENT

Done at San Diego, California this \_\_\_\_\_ day of \_\_\_\_\_, 2009.

Done at San Diego, California this 9 day of Sept, 2009.

\_\_\_\_\_  
Vanitha A. Kumar

  
\_\_\_\_\_  
Bin Qiu

Done at San Diego, California this 9 day of Sept, 2009.

\_\_\_\_\_  
Ashwini Raina


Done at San Diego, California this \_\_\_\_\_ day of \_\_\_\_\_, 2009.

\_\_\_\_\_  
Shailesh Maheshwari

Done at San Diego, California this \_\_\_\_\_ day of \_\_\_\_\_, 2009.

\_\_\_\_\_  
Gang A. Xiao

Done at San Diego, California this 9<sup>th</sup> day of September 2009.

  
\_\_\_\_\_  
Yateesh S. Gowda