

## PATENT ASSIGNMENT

Electronic Version v1.1

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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>Byoung-Hoon Kim</td><td>05/24/2008</td></tr><tr><td>Dung N. Doan</td><td>09/26/2008</td></tr><tr><td>Durga Prasad Malladi</td><td>05/14/2008</td></tr></tbody></table>	Name	Execution Date	Byoung-Hoon Kim	05/24/2008	Dung N. Doan	09/26/2008	Durga Prasad Malladi	05/14/2008	
Name	Execution Date								
Byoung-Hoon Kim	05/24/2008								
Dung N. Doan	09/26/2008								
Durga Prasad Malladi	05/14/2008								
RECEIVING PARTY DATA									
Name:	QUALCOMM Incorporated								
Street Address:	5775 Morehouse Drive								
City:	San Diego								
State/Country:	CALIFORNIA								
Postal Code:	92121-1714								
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>12027972</td></tr></tbody></table>	Property Type	Number	Application Number:	12027972					
Property Type	Number								
Application Number:	12027972								
CORRESPONDENCE DATA									
Fax Number:	(858)658-2502								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	(858) 651-5205								
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Correspondent Name:	QUALCOMM Incorporated								
Address Line 1:	5775 Morehouse Drive								
Address Line 4:	San Diego, CALIFORNIA 92121-1714								
ATTORNEY DOCKET NUMBER:	061360								
NAME OF SUBMITTER:	Marvin Jefferson								
Total Attachments: 4 source=061360_ASST#page1.tif source=061360_ASST#page2.tif									

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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. Byoung-Hoon Kim, a citizen of South Korea, having a place of residence at Jamsil Tri-  
zium APT 333-dong 902-ho, Jamsil-dong 35, Songpa-gu, Seoul, Korea;
2. Dung N. Doan, a citizen of Vietnam, having a place of residence at 3899 Nobel Dr., Apt.  
1304, San Diego, California, 92122, United States of America; and
3. Durga Prasad Malladi, a citizen of the United States, having a place of residence at 11983  
Briarleaf Way, San Diego, California, 92128, 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 USING CODEWORDS 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 February 7, 2008, assigned Application Number 12/027,972, including, without limitation, all provisional patent applications, including Provisional Application Number 60/889,252 filed on February 9, 2007, 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 Seoul, Korea this 24<sup>th</sup> day of May, 2008.

  
Byoung-Hoon Kim

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

\_\_\_\_\_  
Dung N. Doan

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

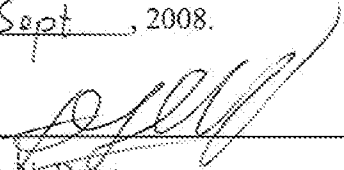
\_\_\_\_\_  
Durga Prasad Malladi

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 Seoul, Korea this \_\_\_\_\_ day of \_\_\_\_\_, 2008.

\_\_\_\_\_  
Byoung-Hoon Kim

Done at San Diego, California this 26 day of Sept, 2008.

  
\_\_\_\_\_  
Dung N. Doan

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

\_\_\_\_\_  
Durga Prasad Malladi

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 Seoul, Korea this \_\_\_\_\_ day of \_\_\_\_\_, 2008.

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Byoung-Hoon Kim

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

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Dung N. Doan

Done at San Diego, California this <sup>m</sup>14 day of May, 2008.

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*M D Prasad*  
Durga Prasad Malladi