

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Bongyong SONG</td> <td>09/16/2008</td> </tr> <tr> <td>Arul ANANTHANARAYANAN</td> <td>09/16/2008</td> </tr> <tr> <td>Harleen GILL</td> <td>09/16/2008</td> </tr> </tbody> </table>		Name	Execution Date	Bongyong SONG	09/16/2008	Arul ANANTHANARAYANAN	09/16/2008	Harleen GILL	09/16/2008
Name	Execution Date								
Bongyong SONG	09/16/2008								
Arul ANANTHANARAYANAN	09/16/2008								
Harleen GILL	09/16/2008								
RECEIVING PARTY DATA									
Name:	QUALCOMM Incorporated								
Street Address:	5775 Morehouse Drive								
Internal Address:	attn: Patent Department								
City:	San Diego								
State/Country:	CALIFORNIA								
Postal Code:	92121-1714								
PROPERTY NUMBERS Total: 1									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12212929</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12212929				
Property Type	Number								
Application Number:	12212929								
CORRESPONDENCE DATA									
Fax Number:	(858)658-2502								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	858-658-5787								
Email:	nanm@qualcomm.com								
Correspondent Name:	Qualcomm Incorporated								
Address Line 1:	5775 Morehouse Drive								
Address Line 2:	attn: Patent Department								
Address Line 4:	San Diego, CALIFORNIA 92121-1714								
ATTORNEY DOCKET NUMBER:	072044								
NAME OF SUBMITTER:	Marian L. Christopher								

CH \$40.00 12212929

Total Attachments: 2

500652945

**PATENT
 REEL: 021559 FRAME: 0746**

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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. Bongyong SONG, a citizen of Korea, having a place of residence at 3692 Caminito Cielo Del Mar, San Diego, CA 92130, USA;
2. Anil ANANTHANARAYANAN, a citizen of The United States of America, having a place of residence at 4778 Sunset Heights Court, San Diego, California, 92130, USA; and
3. Harleen GILL, a citizen of The United States of America, having a place of residence at 12541 El Camino Real, Unit B, San Diego, California, 92130, USA;

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 TRACKING LOCATIONS OF MULTICAST GROUP MEMBERS WITHIN 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 SEPT. 18, 2008, assigned Application Number 12/212,929 (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 60/974,830 filed on September 24, 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.

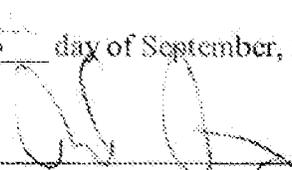
The Commissioner of Patents and Trademarks is requested to issue the Letters Patent which may be granted for said invention or any part thereof unto said corporation in keeping with this Assignment.

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



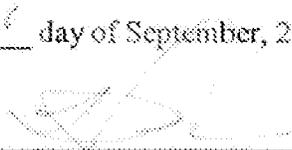
Bongyong SONG

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



Arul ANANTHANARAYANAN

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



Harleen GILL