

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT													
NATURE OF CONVEYANCE:	ASSIGNMENT													
CONVEYING PARTY DATA														
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%; text-align: center;">Name</td> <td style="width: 30%; text-align: center;">Execution Date</td> </tr> <tr> <td>Bongyong SONG</td> <td>09/16/2008</td> </tr> </table>		Name	Execution Date	Bongyong SONG	09/16/2008									
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>QUALCOMM Incorporated</td> </tr> <tr> <td>Street Address:</td> <td>5775 Morehouse Drive</td> </tr> <tr> <td>Internal Address:</td> <td>attn: Patent Department</td> </tr> <tr> <td>City:</td> <td>San Diego</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>92121-1714</td> </tr> </table>			Name:	QUALCOMM Incorporated	Street Address:	5775 Morehouse Drive	Internal Address:	attn: Patent Department	City:	San Diego	State/Country:	CALIFORNIA	Postal Code:	92121-1714
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PROPERTY NUMBERS Total: 1														
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CORRESPONDENCE DATA														
<p>Fax Number: (858)658-2502</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 858-658-5787</p> <p>Email: nanm@qualcomm.com</p> <p>Correspondent Name: Qualcomm Incorporated</p> <p>Address Line 1: 5775 Morehouse Drive</p> <p>Address Line 2: attn: Patent Department</p> <p>Address Line 4: San Diego, CALIFORNIA 92121-1714</p>														
ATTORNEY DOCKET NUMBER:	071249													
NAME OF SUBMITTER:	Marian L. Christopher													
<p>Total Attachments: 2</p> <p>source=071249_2008-09-19_ASST#page1.tif</p> <p>source=071249_2008-09-19_ASST#page2.tif</p>														

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PATENT

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REEL: 021559 FRAME: 0693

ASSIGNMENT

TO WHOM IT MAY CONCERN:

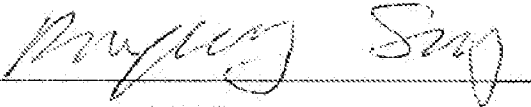
For the sum of One Dollar and other valuable consideration to us in hand paid, receipt of which is hereby acknowledged, be it known that I,

I. Bongyong SONG, a citizen of Korea, having a place of residence at 3692 Caminito Cielo Del Mar, San Diego, CA 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 MULTICAST COMMUNICATIONS WITHIN A WIRELESS COMMUNICATIONS NETWORK by us devised and the application for United States Patent therefore filed in the United States Patent and Trademark Office on SEPT 17, 2008, assigned Application Number 12/212,505 (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 60/974,808 filed on September 24, 2007, Provisional Application Number 60/974,800 filed on September 24, 2007, and Provisional Application Number 60/974,814 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