

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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>Ashu RAZDAN</td><td>09/17/2008</td></tr><tr><td>Harleen GILL</td><td>09/17/2008</td></tr><tr><td>Arul ANANTHANARAYANAN</td><td>09/17/2008</td></tr><tr><td>Eric C. ROSEN</td><td>09/17/2008</td></tr></tbody></table>	Name	Execution Date	Ashu RAZDAN	09/17/2008	Harleen GILL	09/17/2008	Arul ANANTHANARAYANAN	09/17/2008	Eric C. ROSEN	09/17/2008	
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Ashu RAZDAN	09/17/2008										
Harleen GILL	09/17/2008										
Arul ANANTHANARAYANAN	09/17/2008										
Eric C. ROSEN	09/17/2008										
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"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12233085</td></tr></tbody></table>	Property Type	Number	Application Number:	12233085							
Property Type	Number										
Application Number:	12233085										
CORRESPONDENCE DATA											
Fax Number:	(858)658-2502										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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Address Line 2:	attn: Patent Department										
Address Line 4:	San Diego, CALIFORNIA 92121-1714										
ATTORNEY DOCKET NUMBER:	051240										
NAME OF SUBMITTER:	Marian L. Christopher										

CH \$40.00 12233085

500652982

PATENT
REEL: 021560 FRAME: 0141

Total Attachments: 2

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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. Ashu RAZDAN, a citizen of India, having a place of residence at 9505 Gold Coast Drive, #68, San Diego, California 92130, USA; ^{92/126 AL}

2. 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;

3. Arul 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

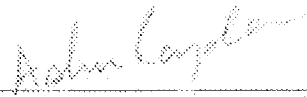
4. Eric C. ROSEN, a citizen of The United States of America, having a place of residence at 611 Calle Paula, Solana Beach, California, 92075, USA,

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 UNIDIRECTIONAL TRAFFIC CHANNEL ASSIGNMENT FOR A RECEIVE-ONLY GROUP CALL IN A MOBILE COMMUNICATION SYSTEM by us devised and the application for United States Patent therefore filed in the United States Patent and Trademark Office on 12/13/05, assigned Application Number SEP 18, 2005 (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 60/974,846 filed on September 25, 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.

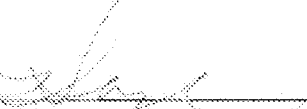
The Commissioner of Patents and Trademarks is requested to issue the Letters Patent which may be granted for said invention or any part thereof unto said corporation in keeping with this Assignment.

Done at San Diego, California, this 17 day of September, 2008.



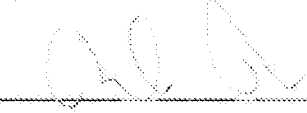
Ashu RAZDAN

Done at San Diego, California, this 17 day of September, 2008.



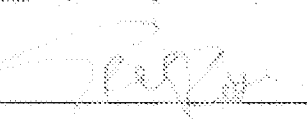
Harleen GILL

Done at San Diego, California, this 17 day of September, 2008.



Arul ANANTHANARAYANAN

Done at San Diego, California, this 17 day of September, 2008.



Eric C. ROSEN