

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;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Kirankumar Anchan</td> <td>04/12/2010</td> </tr> <tr> <td>Hamsini Bhaskaran</td> <td>04/07/2010</td> </tr> <tr> <td>Alexander Gantman</td> <td>04/05/2010</td> </tr> <tr> <td>Patrick J. Hughes</td> <td>04/05/2010</td> </tr> </tbody> </table>		Name	Execution Date	Kirankumar Anchan	04/12/2010	Hamsini Bhaskaran	04/07/2010	Alexander Gantman	04/05/2010	Patrick J. Hughes	04/05/2010
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RECEIVING PARTY DATA											
<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>City:</td> <td>San Diego</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>92121</td> </tr> </table>		Name:	QUALCOMM Incorporated	Street Address:	5775 Morehouse Drive	City:	San Diego	State/Country:	CALIFORNIA	Postal Code:	92121
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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: 858-845-4265</p> <p>Email: us-docketing@qualcomm.com</p> <p>Correspondent Name: QUALCOMM INCORPORATED</p> <p>Address Line 1: 5775 MOREHOUSE DR.</p> <p>Address Line 4: SAN DIEGO, CALIFORNIA 92121</p>											
ATTORNEY DOCKET NUMBER:	091806										
NAME OF SUBMITTER:	Roxanne P. Ippolito										
<p>Total Attachments: 6</p> <p>source=Assignment#page 1.tif</p>											

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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. **Kirankumar Anchan**, a citizen of India, having a mailing address of 5775 Morehouse Drive, San Diego, California 92121, USA; and a resident of San Diego, California,
2. **Hamsini Bhaskaran**, a citizen of India, having a mailing address of 5775 Morehouse Drive, San Diego, California 92121, USA; and a resident of San Diego, California,
3. **Alexander Gantman**, a citizen of United States of America, having a mailing address of 5775 Morehouse Drive, San Diego, California 92121, USA; and a resident of San Diego, California,
4. **Patrick J. Hughes**, a citizen of United States of America, having a mailing address of 5775 Morehouse Drive, San Diego, California 92121, USA; and a resident of San Diego, California,

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 **SECURING MESSAGES ASSOCIATED WITH A MULTICAST COMMUNICATION SESSION**

ASSIGNMENT

WITHIN A WIRELESS COMMUNICATIONS SYSTEM by us devised and the application for United States Patent therefore filed in the United States Patent and Trademark Office on **March 31, 2010**, and assigned Serial No. **12/751,538**, including, without limitation, all provisional patent applications, including Provisional Application Number **61/166,617**, filed on **April 3, 2009**, 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.

Done at San Diego, California this 12 day of April, 2010.



Kirankumar Anchan

Done at San Diego, California this 7 day of April, 2010.



Hamsini Bhaskaran

ASSIGNMENT

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 _____ day of _____, 2010.

Alexander Gantman

Done at San Diego, California this _____ day of _____, 2010.

Patrick J. Hughes

ASSIGNMENT

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Done at San Diego, California this ____ day of _____, 2010.

Kirankumar Anchan

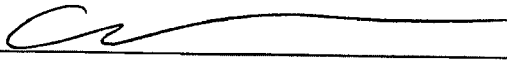
Done at San Diego, California this ____ day of _____, 2010.

Hamsini Bhaskaran

ASSIGNMENT

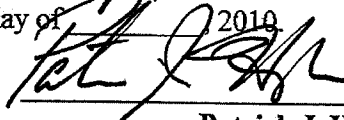
The Commissioner of Patents and Trademarks is requested to issue the Letters Patent which may be granted for said invention or any part thereof unto said corporation in keeping with this Assignment.

Done at San Diego, California this 5th day of April, 2010.



Alexander Gantman

Done at San Diego, California this 5th day of April, 2010.



Patrick J. Hughes