

## 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>Soumya Das</td><td>10/30/2009</td></tr><tr><td>Krishnan Rajamani</td><td>10/30/2009</td></tr><tr><td>Samir Soliman</td><td>10/30/2009</td></tr></tbody></table>		Name	Execution Date	Soumya Das	10/30/2009	Krishnan Rajamani	10/30/2009	Samir Soliman	10/30/2009
Name	Execution Date								
Soumya Das	10/30/2009								
Krishnan Rajamani	10/30/2009								
Samir Soliman	10/30/2009								
RECEIVING PARTY DATA									
Name:	QUALCOMM Incorporated								
Street Address:	5775 Morehouse Drive								
Internal Address:	Patent Department/Central Administration								
City:	San Diego								
State/Country:	CALIFORNIA								
Postal Code:	92121								
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>12638193</td></tr></tbody></table>		Property Type	Number	Application Number:	12638193				
Property Type	Number								
Application Number:	12638193								
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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Email:	patent.docketing.us@qualcomm.com								
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Address Line 1:	5775 MOREHOUSE DR.								
Address Line 4:	SAN DIEGO, CALIFORNIA 92121								
ATTORNEY DOCKET NUMBER:	091605								
NAME OF SUBMITTER:	LeeVi Olivier								
Total Attachments: 2 source=091605_Assign_2009-11-02#page1.tif									

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PATENT  
REEL: 023655 FRAME: 0487



## 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. **Soumya Das**, a citizen of **India**, having a mailing address of 5775 Morehouse Drive, San Diego, CA, and a resident of **San Diego, California**;
2. **Krishnan Rajamani**, a citizen of the **United States of America**, having a mailing address of 5775 Morehouse Drive, San Diego, CA, and a resident of **San Diego, California** and
3. **Samir Soliman**, a citizen of the **United States of America**, having a mailing address of 5775 Morehouse Drive, San Diego, CA, and a resident of **San Diego, California**

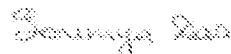
have sold, assigned and transferred and by these presents do sell, assign, transfer and set over unto QUALCOMM Incorporated, a Delaware corporation, having a place of business at 5775 Morehouse Drive, San Diego, California 92121-1714, its successors, legal representatives, or assigns, the entire right, title and interest in and to a certain invention relating to **SYSTEMS AND METHODS FOR PROVIDING RESOURCE ALLOCATION MEETING COMMUNICATION CONSTRAINTS FOR MULTI-HOP NETWORK DATA FLOWS** by us devised and the application for United States Patent therefore filed in the United States Patent and Trademark Office on \_\_\_\_\_, and assigned Serial No. \_\_\_\_\_, (and I 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 Provisional Application Number **61/225,599**, filed on **July 15, 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

## ASSIGNMENT

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.

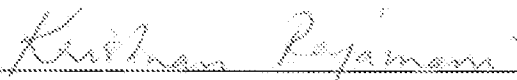
The Commissioner of Patents and Trademarks is requested to issue the Letters Patent which may be granted for said invention or any part thereof unto said corporation in keeping with this Assignment.

Done at San Diego, California this 30<sup>th</sup> day of October, 2009.



Soumya Das

Done at San Diego, California this 30<sup>th</sup> day of Oct, 2009.



Krishnan Rajamani

Done at San Diego, California this 30<sup>th</sup> day of October, 2009.

  
Samir Soliman