

# PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
Name	Execution Date
Ashwin Swaminathan	07/21/2010
Vidya Narayanan	07/15/2010
Ranjith Subramanian Jayaram	07/15/2010
<b>RECEIVING PARTY DATA</b>	
Name:	QUALCOMM Incorporated
Street Address:	5775 Morehouse Drive
City:	San Diego
State/Country:	CALIFORNIA
Postal Code:	92121
<b>PROPERTY NUMBERS Total: 1</b>	
Property Type	Number
Application Number:	12835650
<b>CORRESPONDENCE DATA</b>	
Fax Number:	(858)658-2502
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	858-845-4265
Email:	us-docketing@qualcomm.com
Correspondent Name:	QUALCOMM INCORPORATED
Address Line 1:	5775 MOREHOUSE DR.
Address Line 4:	SAN DIEGO, CALIFORNIA 92121
ATTORNEY DOCKET NUMBER:	092783
NAME OF SUBMITTER:	Kristine U. Ekwueme
Total Attachments: 6 source=092783_2010_08_19_ASSN#page1.tif source=092783_2010_08_19_ASSN#page2.tif	

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**PATENT**  
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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. Ashwin Swaminathan, a citizen of India, having a mailing address of 5775 Morehouse Drive, San Diego, California, 92121, United States of America; and a resident of San Diego, California, United States of America,

2. Vidya Narayanan, a citizen of the United States of America, having a mailing address of 5775 Morehouse Drive, San Diego, California, 92121, United States of America; and a resident of San Diego, California, United States of America,

3. Ranjith Subramanian Jayaram, a citizen of India, having a mailing address of 500 Somerset Corporate Boulevard, Bridgewater, New Jersey, 08807, United States of America; and a resident of Bridgewater, New Jersey, United States of America,

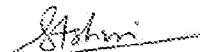
have sold, assigned and transferred and by these presents do sell, assign, transfer and set over unto QUALCOMM Incorporated, a Delaware corporation, having a place of business at 5775 Morehouse Drive, San Diego, California 92121-1714, its successors, legal representatives, or assigns, the entire right, title and interest in and to a certain invention relating to METHODS AND APPARATUS FOR UPDATING INDEX INFORMATION WHILE ADDING AND UPDATING DOCUMENTS IN A DISTRIBUTED NETWORK by us devised and the application for United States Patent therefore filed in the United States Patent and Trademark Office on July 13, 2010, and assigned Serial No. 12/835,650, including Provisional Application

## ASSIGNMENT

Number 61/225,396, filed on July 14, 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 21 day of July, 2010.



Ashwin Swaminathan

Done at San Diego, California this \_\_\_\_\_ day of \_\_\_\_\_, 2010.

Vidya Narayanan

Done at Bridgewater, New Jersey this \_\_\_\_\_ day of \_\_\_\_\_, 2010.

Ranjith Subramanian Jayaram

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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 METHODS AND APPARATUS FOR UPDATING INDEX INFORMATION WHILE ADDING AND UPDATING DOCUMENTS IN A DISTRIBUTED NETWORK by us devised and the application for United States Patent therefore filed in the United States Patent and Trademark Office on July 13, 2010, and assigned Serial No. 12/835,650, including Provisional Application

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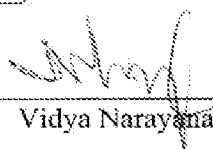
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The Commissioner of Patents and Trademarks is requested to issue the Letters Patent which may be granted for said invention or any part thereof unto said corporation in keeping with this Assignment.

Done at San Diego, California this \_\_\_\_\_ day of \_\_\_\_\_, 2010.

\_\_\_\_\_  
Ashwin Swaminathan

Done at San Diego, California this 15 day of July, 2010.

  
\_\_\_\_\_  
Vidya Narayanan

Done at Bridgewater, New Jersey this \_\_\_\_\_ day of \_\_\_\_\_, 2010.

\_\_\_\_\_  
Ranjith Subramanian Jayaram

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Done at San Diego, California this \_\_\_\_\_ day of \_\_\_\_\_, 2010.

\_\_\_\_\_  
Ashwin Swaminathan

Done at San Diego, California this \_\_\_\_\_ day of \_\_\_\_\_, 2010.

\_\_\_\_\_  
Vidya Narayanan

Done at Bridgewater, New Jersey this <sup>th</sup> 15 day of July, 2010.

  
\_\_\_\_\_  
Ranjith Subramanian Jayaram