

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
Avinash Jain	01/14/2011
Hemanth Sampath	01/01/2011
Santosh Paul Abraham	12/16/2010
Mohammad Hossein Taghavi Nasrabadi	12/16/2010

**RECEIVING PARTY DATA**

Name:	QUALCOMM Incorporated
Street Address:	5775 Morehouse Drive
City:	San Diego
State/Country:	CALIFORNIA
Postal Code:	92121-1714

**PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	12948601

**CORRESPONDENCE DATA**

Fax Number: (858)658-2502  
*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*  
 Phone: (858) 651-5205  
 Email: patent.docketing.us@qualcomm.com  
 Correspondent Name: QUALCOMM Incorporated  
 Address Line 1: 5775 Morehouse Drive  
 Address Line 4: San Diego, CALIFORNIA 92121-1714

ATTORNEY DOCKET NUMBER:	100304
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NAME OF SUBMITTER:	Marvin Jefferson
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Total Attachments: 8  
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**PATENT**  
**REEL: 025731 FRAME: 0141**

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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. **Avinash Jain**, 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. **Hemanth Sampath**, a citizen of 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. **Santosh P. Abraham**, a citizen of 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,,
4. **Mohammad Hossein Taghavi Nasrabadi**, a citizen of Iran, 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,,


## ASSIGNMENT

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 **METHOD AND APPARATUS FOR ENABLING A CHANNEL ACCESS PROTOCOL FOR DIRECTIONAL MAC** by us devised and the application for United States Patent therefore filed in the United States Patent and Trademark Office on **NOVEMBER 17, 2010**, and assigned Serial No. **12/948,601**, including Provisional Application Number **61/263,272**, filed on **NOVEMBER 20, 2009**, and Provisional Application Number **61/264,523** filed on **NOVEMBER 25, 2009**, 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.

## 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 14<sup>th</sup> day of Jan, 2010.

  
\_\_\_\_\_  
**Avinash Jain**

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

\_\_\_\_\_  
**Hemanth Sampath**

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

\_\_\_\_\_  
**Santosh P. Abraham**

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

\_\_\_\_\_  
**Mohammad Hossein Taghavi Nasrabadi**

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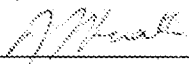
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Done at San Diego, California this \_\_\_\_\_ day of \_\_\_\_\_, 2010.

\_\_\_\_\_  
**Avinash Jain**

Done at San Diego, California this 1st day of January, 2010.

  
\_\_\_\_\_  
**Hemanth Sampath**

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

\_\_\_\_\_  
**Santosh P. Abraham**

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

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**Mohammad Hossein Taghavi Nasrabadi**

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

\_\_\_\_\_  
**Avinash Jain**

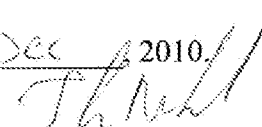
Done at San Diego, California this \_\_\_\_\_ day of \_\_\_\_\_, 2010.

\_\_\_\_\_  
**Hemanth Sampath**

Done at San Diego, California this 16 day of Dec, 2010.

  
\_\_\_\_\_  
**Santosh P. Abraham**

Done at San Diego, California this 16 day of Dec, 2010.

  
\_\_\_\_\_  
**Mohammad Hossein Taghavi Nasrabadi**