

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Petru C. Budianu	01/22/2010
Amal Ekbal	01/22/2010
David J. Julian	01/22/2010
Jun Shi	01/22/2010

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:	12692099

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:	093345
NAME OF SUBMITTER:	Marvin Jefferson

Total Attachments: 5
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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. Petru C. Budianu, a citizen of Romania, 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. Amal Ekbal, 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,

3. David J. Julian, 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,

4. Jun Shi, a citizen of China, having a mailing address of 9120 Judicial drive #7308, San Diego, California, 92122, United States of America; and a resident of San Diego, California, 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

ASSIGNMENT

assigns, the entire right, title and interest in and to a certain invention relating to **METHOD AND APPARATUS FOR ESTABLISHING COMMUNICATIONS IN LOW SIGNAL TO NOISE RATIO ENVIRONMENTS** by us devised and the application for United States Patent therefore filed in the United States Patent and Trademark Office on January 22, 2010, and assigned Serial No. 12/692,099, (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, 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.

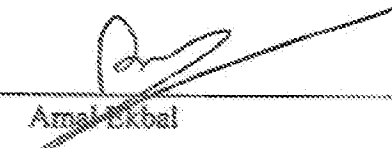
Done at San Diego, California this 22nd day of Jan, 2010.



Petru C. Budianu

ASSIGNMENT

Done at San Diego, California this 22nd day of JANUARY, 2010.



Arnel Ebel

Done at San Diego, California this 22 day of JANUARY, 2010.



David J. Julian

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

Jun Shi

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2. Amal Ekbal, 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,

3. David J. Julian, 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,

4. Jun Shi, a citizen of China, having a mailing address of *1610 Nantucket Circle # 212* ~~9130 Judicial Drive #7308, San J.S.~~
~~Diego, California, 92122;~~ *Santa Clara, CA 95056* United States of America; and a resident of San Diego, California, United States of America,

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ASSIGNMENT

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

Amal Ekbal

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

David J. Julian

Santa Clara
Done at San Diego, California this 22 day of January, 2010.
J.S.

Julian

Julian SMI