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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):

Aamod Khadekar
Raghuraman Krishnamoorthi

Execution Date(s) May 9, 2004

Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)

Name: QUALCOMM, INCORPORATED

Internal Address: PATENT DEPARTMENT

Street Address: 5775 Morehouse Drive

City: San Diego

State: California

Country: US Zip: 92121-1714

Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
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- Executive Order 9424, Confirmatory License
- Other _____

4. Application or patent number(s):

A. Patent Application No.(s)
10/921,585

This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Sandip (Micky) S. Minhas

Internal Address: Patent Department

Street Address: 5775 Morehouse Drive

City: San Diego

State: California Zip: 92121-1714

Phone Number: (858) 658-2505

Fax Number: (858) 658-2502

Email Address: _____

6. Total number of applications and patents involved:

7. Total fee (37 CFR 1.21(h) & 3.41) \$ _____

- Authorized to be charged by credit card
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9. Signature:


Signature

September 9, 2004
Date

Sandip (Micky) S. Minhas, Reg. No. 44,945

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

4

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5985, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

CH \$40.00 170026 10821686

ATTORNEY DOCKET NO. 030304

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 Anmod Khandekar, a citizen of India having a place of residence at 7852 Avenida Navidad, San Diego, California, and Raghuraman Krishnamoorthi, a citizen of India having a place of residence at 8730 Costa Verde Blvd., 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 whole right, title and interest in and to a certain invention relating to:

DATA DETECTION FOR A HIERARCHICAL CODED DATA TRANSMISSION

by us devised and the application for United States Patent therefor filed in the United States Patent and Trademark Office on April 9, 2004, including, without limitation, all provisional patent applications, including Serial No. 60/538,271, filed January 21, 2004, and all original and reissue patents granted thereof, and all divisions, and continuations 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.

ATTORNEY DOCKET NO. 030304

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 9th day of May, 2004.

AKK
Aamod Khandekar

Done at San Diego, California this 9th day of May, 2004.

Raghuraman
Raghuraman Krishnamoorthi