

Form PTO-1595 (Rev. 06/04)
OMB No. 0651-0027 (exp. 6/30/2005)

U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office

RECORDATION FORM COVER SHEET PATENTS ONLY

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):

1. Vinay Murthy 04/27/2006
2. Alok Kumar Gupta 04/28/2006

Execution Date(s) SEE ABOVE

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: USA Zip: 92121

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

3. Nature of conveyance:

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

4. Application or patent number(s):

This document is being filed together with a new application.

A. Patent Application No.(s)
11/371,039

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: QUALCOMM Incorporated

Internal Address: Patent Department

Street Address: 5775 Morehouse Drive

City: San Diego

State: California Zip: 92121

Phone Number: 858-658-5787

Fax Number: _____

Email Address: _____

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- Authorized to be charged by credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

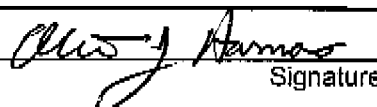
8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number 17-0026

Authorized User Name _____

9. Signature:


Signature

June 5, 2006
Date

Albert J. Harnois, Jr., Reg. No. 46,123
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) 306-5995, 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 1137 1039

ATTORNEY DOCKET NO. 050570

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 **VINAY MURTHY**, a citizen of the United States of America having a place of residence at 17889 Aguamiel Road, San Diego, CA 92127, and **ALOK KUMAR GUPTA**, a citizen of India having a place of residence at 1197 Via Di Felicita, Encinitas, CA 92024; 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:

COURSE TIMING/FRAME ACQUISITION IN OFDM SYSTEM USING TIME DIVISION MULTIPLEXED PILOT SYMBOL

by us devised and the application for United States Patent therefor filed in the United States Patent and Trademark Office on **March 8, 2006**, and assigned Serial No. **11/371,039**, including, without limitation, all provisional patent applications, including Serial No. **60/660,915** filed **March 11, 2005**, 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. 050570

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 27th day of April, 2006.

Vinay Murthy
VINAY MURTHY

Done at San Diego, California this _____ day of _____, 2006.

ALOK KUMAR GUPTA

ATTORNEY DOCKET NO. 050570

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 28 day of April, 2006.

VINAY MURTHY

Done at San Diego, California this 28 day of April, 2006.



ALOK KUMAR GUPTA