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

- 1. Vinay Murthy 05/05/2006
- 2. Alok Kumar Gupta 05/05/2006
- 3. Seong Taek Chung 05/31/2006
- 4. Fuyun Ling 05/05/2006

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)
11/372,931

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: 858-858-5787

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

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9. Signature:


Signature

June 5, 2006
Date

Albert J. Hamois, Jr., Reg. No. 46,123
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 6

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 11372931

ATTORNEY DOCKET NO. 050573

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, **ALOK KUMAR GUPTA**, a citizen of India having a place of residence at 1197 Via Di Felicita, Encinitas, CA 92024, **SEONG TAEK CHUNG**, a citizen of South Korea having a place of residence at 274 Redwood Shores Pkwy, PMB #118, Redwood City, CA 94065, and **FUYUN LING**, a citizen of the United States of America having a place of residence at 17264 Sangallo Lane, San Diego, CA 92127; 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:

AUTOMATIC FREQUENCY CONTROL FOR A WIRELESS COMMUNICATION SYSTEM WITH MULTIPLE SUBCARRIERS

by us devised and the application for United States Patent therefor filed in the United States Patent and Trademark Office on **March 9, 2006**, and assigned Serial No. 11/327,931, including, without limitation, all provisional patent applications, including Serial No. 60/660,914, 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

ATTORNEY DOCKET NO. 050573

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 5th day of May, 2006.

Vinay Murthy
VINAY MURTHY

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

ALOK KUMAR GUPTA

Done at Redwood City, California this _____ day of _____, 2006.

SEONG TAEK CHUNG

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

FUYUN LING

ATTORNEY DOCKET NO. 050573

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 _____ day of _____, 2006.

VINAY MURTHY

Done at San Diego, California this 5 day of May, 2006.



ALOK KUMAR GUPTA

Done at Redwood City, California this _____ day of _____, 2006.

SEONG TAEK CHUNG

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

FUYUN LING

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 _____ day of _____, 2006.

VINAY MURTHY

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

ALOK KUMAR GUPTA

Done at Redwood City, California this 31 day of May, 2006.



SEONG TAEK CHUNG

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

FUYUN LING

ATTORNEY DOCKET NO. 050573

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 ____ day of _____, 2006.

VINAY MURTHY

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

ALOK KUMAR GUPTA

Done at Redwood City, California this ____ day of _____, 2006.

SEONG TAEK CHUNG

Done at San Diego, California this 5 day of May, 2006.



FUYUN LING