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Michael Mao Wang

Execution Date(s) 04/07/2006

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
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- Other \_\_\_\_\_

**4. Application or patent number(s):**

This document is being filed together with a new application.

A. Patent Application No.(s)

11/303,485

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**

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**9. Signature:**



Signature

April 19, 2006

Date

Albert J. Harnois, Jr., Reg. No. 45,123

Name of Person Signing

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

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ATTORNEY DOCKET NO. 050141

**ASSIGNMENT**

TO WHOM IT MAY CONCERN:

For the sum of One Dollar and other valuable consideration to me in hand paid, receipt of which is hereby acknowledged, be it known that I, **MICHAEL MAO WANG**, a citizen of the United States of America having a place of residence at 8514 Rumex Lane, San Diego, CA 92129; 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:

**APPARATUS AND METHODS FOR REDUCING CHANNEL ESTIMATION NOISE  
IN A WIRELESS TRANSCEIVER**

by me devised and the application for United States Patent therefor filed in the United States Patent and Trademark Office on **December 15, 2005**, and assigned Serial No. **11/303,485**, including, without limitation, all provisional patent applications, including Serial No. **60/731,015**, filed **October 27, 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 I have full right to do so, and agree that I will communicate to said corporation or its representatives all facts known to me 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. 050141

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 7<sup>th</sup> day of Apr., 2006.

  
**MICHAEL MAO WANG**