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Attorney Docket No.: 010517

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

Submission Type

- New
 - Resubmission (Non-Recordation)
 - Correction of PTO Error
 - Corrective Document
- Document ID No.
Reel No. Frame No. **6-11-02**
Reel No. Frame No.

Conveyance Type

- Assignment
- Change of Name
- License
- Merger
- Security Agreement
- Other: _____

Conveying Party(ies) Mark if additional names are attached

NAME

EXECUTION DATE

Month, Day, Year (MMDDYYYY)

Richard Chi	05/03/2002
Jitra Jootar	05/06/2002
Parvathanathan Subrahmanya	05/03/2002

Receiving Party(ies) Mark if additional names are attached

Name: QUALCOMM Incorporated
A Delaware Corporation
Address: 5775 Morehouse Drive
Address: San Diego, California, 92121-1714

Correspondence Name and Address

Name: QUALCOMM Incorporated (PTO Customer No. 23696) **Telephone Number:** (858) 651-1379
Attn: Patent Department **Facsimile:** (858) 658-2902
Address: 5775 Morehouse Drive
Address: San Diego, California 92121-1714

Pages (Enter the total number of pages of the attached conveyance document including any attachments)

Total number of pages: four

Application Number(s) or Patent Number(s)

If this document is being filed together with a new application, the execution date of the application is:

Patent Application Number(s): 10/061,877	Patent Number(s):
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Number of Properties (Enter the total number of properties involved)

Total number of properties: one

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): \$40

Method of Payment: Enclosed Deposit Account (A duplicate of this sheet is enclosed for fee processing)
Deposit Account Number: 17-0026
Authorization to charge additional fees: Yes No

Statement and Signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.

Date: June 6, 2002
Name: George C. Pappas, Reg. No. 35,065
858-651-1306

Signature:

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06/13/2002 LNUELLER 00000065 170026 10061877

01 FC:581 40.00 CH

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 I,

1. **Richard Chi**, a citizen of The United States of America, having a place of residence at 48 Washington St., #65, Santa Clara, Ca 95050;
2. **Jitra Jootar**, a citizen of The United States of America, having a place of residence at 707 Continental Circle, #631, Mountain View, Ca 94040; and
3. **Parvathanathan Subrahmanya**, a citizen of India, having a place of residence at 468 Madera Avenue, Apt. #1, Sunnyvale, Ca 94086;

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 entire right, title and interest in and to a certain invention relating to a **CLOSED LOOP TRANSMIT DIVERSITY ANTENNA VERIFICATION USING TRELIS DECODING** by me co-devised and the application for United States Patent therefor filed in the United States Patent and Trademark Office on **January 31, 2002**, and was assigned Serial Number **10/061,877**, 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

ASSIGNMENT

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 3rd day of May, 2002.



Richard Chi

Done at San Diego, California this _____ day of _____, 2002.

Jitra Jootar

Done at San Diego, California this _____ day of _____, 2002.

Parvathanathan Subrahmanya

ASSIGNMENT

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 6th day of May, 2002.

Richard Chi

Done at San Diego, California this 6th day of May, 2002.

Jittra Jootar

Jittra Jootar

Done at San Diego, California this _____ day of _____, 2002.

Parvathanathan Subrahmanya

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Done at San Diego, California this _____ day of _____, 2002.

Richard Chi

Done at San Diego, California this _____ day of _____, 2002.

Jitra Jootar

Done at San Diego, California this 3rd day of MAY, 2002.

Parvathanathan Subrahmanya

Parvathanathan Subrahmanya