

U.S. Department of Commerce  
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**PATENT**

FORM PTO-1619A/B

**RECORDATION FORM COVER SHEET  
PATENTS ONLY**

Attorney Docket No.: 040225

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

**Submission Type**

- ☒ New  
☐ Resubmission (Non-Recordation)  
 Document ID No.  
☐ Correction of PTO Error  
 Reel No. Frame No.  
☐ Corrective Document  
 Reel No. Frame No.

**Conveyance Type**

- ☒ Assignment  
☐ Change of Name  
☐ License  
☐ Merger  
☐ Security Agreement  
☐ Other: \_\_\_\_\_

**Conveying Party(ies)**

NAME

☐ Mark if additional names are attached

1. Norman F. Krasner  
 2.  
 3.  
 4.

**EXECUTION DATE**Month, Day, Year (MMDDYYYY)  
December 7, 2004**Receiving Party**☐ Mark if additional names are attachedName: QUALCOMM Incorporated  
A Delaware Corporation

Address (Street number and name): 5775 Morehouse Drive

Address (City, State, Zip Code): San Diego, California, 92121-1714

**Correspondent Name and Address**Name: QUALCOMM Incorporated  
Attn: Patent Department

Address: 5775 Morehouse Drive

Address: San Diego, California 92121-1714

Telephone Number: (858) 658-5787

Facsimile: (858) 658-2502

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

Total number of pages:

**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):**

1. 10/935,833  
 2.  
 3.  
 4.

**Patent Number(s):**

1.  
 2.  
 3.  
 4.

**Patent Cooperation Treaty (PCT)**

(Enter only if a U.S. Application Number has not been assigned)

1. PCT/  
 2. PCT/

3. PCT/  
 4. PCT/

Number of Properties (Enter the total number of properties involved)

Total number of properties: 1

**Fee Amount**

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

Method of Payment: ☐ Enclosed ☒ Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the 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: December 20, 2004

Name: Richard A. Bachand, Reg. No. 845-8503  
Phone No. (858) 845-8503Signature: 

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**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, **Norman F. Krasner**, a citizen of the United States of America having a place of residence at 3 Lake Court, Emerald Hills, CA 94062; 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:

**POSITION LOCATION SIGNALING METHOD APPARATUS AND SYSTEM  
UTILIZING ORTHOGONAL FREQUENCY DIVISION MULTIPLEXING**

by me devised and the application for United States Patent therefor filed in the United States Patent and Trademark Office on **September 7, 2004**, including, without limitation, all provisional patent applications, 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.

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 Campbell, California this 7 day of Dec, 2004.



Norman F. Krasner