

RECORDED

02-13-2003



by Docket No.: 020297

TO: The Commissioner of Patents and Trademarks: Pl

Submission Type

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

02.03.03

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

J1135 U.S. PTO
10/357834
02/03/03

Conveying Party(ies)

NAME

☐ Mark if additional names are attached

1. Judd Erlenbach
2. Franklin J. Gutterman
3. Bin Tian
- 4.

EXECUTION DATE

Month, Day, Year (MMDDYYYY)

01/31/2003

01/31/2003

01/31/2003

10357834

Receiving Party

☐ Mark if additional names are attached

Name: 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: Sarah Kirkpatrick, Manager, Intellectual Property Administration

Telephone Number: (858) 651-1179

Facsimile: (858) 658-2502

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: 4

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: 02/30/2003

Patent Application Number(s):

- 1.
- 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/

3. PCT/

2. 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: February 3, 2003

Name: Thomas M. Thibault, Reg. No. 42,181
(858) 651-2356

Signature:

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02/12/2003 LMUELLER 00000237 170026 10357834

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(TRANSASSIGN.VER1.7-9/13/2001)

PATENT
REEL: 013743 FRAME: 0163

ASSIGNMENT

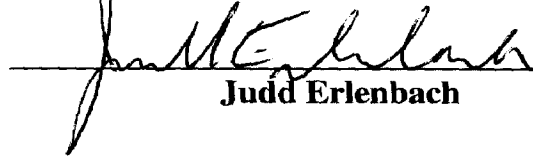
TO WHOM IT MAY CONCERN:

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 **Judd Erlenbach**, a citizen of the United States of America having a place of residence at **10673 Canyon Lake Drive, San Diego, CA 92131**, **Franklin J. Gutterman**, a citizen of the United States of America having a place of residence at **1082 Devonshire Drive, San Diego, CA 92107**, **Bin Tian**, a citizen of China having a place of residence at **13824 Lewiston Street, San Diego, CA 92128**; 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 a **Method And Apparatus For Determining Propagation Delays For Use In Wide Area Networks** by us devised and the application for United States Patent therefor filed in the United States Patent and Trademark Office on **February 3, 2003**, and assigned Serial No. _____ (and we hereby authorize and instruct **QUALCOMM, Incorporated** to hereafter complete this Assignment by inserting the application serial number and filing date of said application in the space provided above when known), 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.

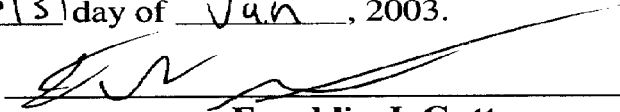
The Commissioner of Patents and Trademarks is requested to issue the Letters Patent which may be granted for said invention or any part thereof unto said corporation in keeping with this Assignment.

Done at San Diego, California this 31 day of Jan, 2003.



Judd Erlenbach

Done at San Diego, California this 31st day of Jan, 2003.



Franklin J. Gutterman

Done at San Diego, California this 31 day of Jan, 2003.



Bin Fian