

06-06-2002



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Attorney Docket No.: 020277

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.

6-3-02

Conveyance Type

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

Conveying Party(ies)

Mark if additional names are attached

- NAME**
1. EDWARD G. TIEDEMANN, Jr.
 2. JUN WANG
 3. RAGULAN SINNARAJAH
 - 4.

EXECUTION DATE

- Month, Day, Year (MMDDYYYY)
- 05/12/2002
 - 05/10/2002
 - 05/10/2002

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
Address: 5775 Morehouse Drive
San Diego, California 92121-1714
Telephone Number: (858) 651-1179
Facsimile: (858) 658-2502

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:

Patent Application Number(s):

1. 10/085,608 FILED 02/26/2002
- 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): \$40.00

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: May 16, 2002
Name: Pavel Kalousek, Reg. No. 44,178
(858) 658-3072

Signature: Pavel Kalousek

FOR OFFICE USE ONLY

06/05/2002 GTOM11 00000078 170026 10085608
01 FC:581 40.00 CH

ASSIGNMENT

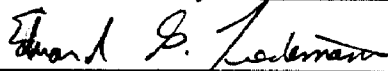
TO WHOM IT MAY CONCERN:

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 we **EDWARD G. TIEDEMANN, Jr.**, a citizen of the United States of America having a place of residence at **656 BARRETTS MILL ROAD, CONCORD, MASSACHUSETTS 01742**; **JUN WANG**, a citizen of China having a place of residence at **13203 WINSTANLEY WAY, SAN DIEGO, CALIFORNIA 92130**; and **RAGULAN SINNARAJAH**, a citizen of the United States of America having a place of residence at **7524 CHARMANT DRIVE, Apt. #524, SAN DIEGO, CALIFORNIA 92122**; 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 ENABLING SUBSCRIBER STATIONS TO PROCESS A SYNCHRONIZATION CHANNEL IN A SPREAD SPECTRUM COMMUNICATIONS SYSTEM** by us devised and the application for United States Patent therefor filed in the United States Patent and Trademark Office on **FEBRUARY 26, 2002**, and assigned Application Serial No. **10/085,608**, 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 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 Concord, Massachusetts, this 12 day of May, 2002.



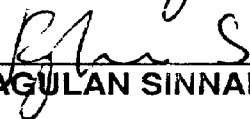
EDWARD G. TIEDEMANN, Jr.

Done at San Diego, California this 10 day of May, 2002.



JUN WANG

Done at San Diego, California this 10 day of May, 2002.



RAGULAN SINNARAJAH