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05-17-2000U.S. Department of Commerce  
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Attorney Docket No.: PA000029

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. James M. Brown
2. Yu-Dong Yao
- 3.
- 4.

**EXECUTION DATE**

Month, Day, Year (MMDDYYYY)  
April 12, 2000  
April 17, 2000

**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, Senior Patent Administrator  
**Address:** 5775 Morehouse Drive  
**Address:** 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:** 3**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:** October 26, 1999**Patent Application Number(s):**

1. 09/429,406
- 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):** \$40.00Method 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: April 17, 2000

Name: Thomas M. Thibault, Reg. No. 42,181

Signature:

(858) 651-2356

05/16/2000 DNGUYEN 00000281 170026 09429406

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# 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 **JAMES M. BROWN**, a citizen of the United States of America having a place of residence at **2726 Ariane Drive, #45, San Diego, CA 92117** and **YU-DONG YAO**, a citizen of Canada having a place of residence at **4923 Bradshaw Court, San Diego, CA 92130**; 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 EFFICIENT DATA TRANSMISSION CONTROL IN A WIRELESS VOICE-OVER-DATA COMMUNICATION SYSTEM** by us devised and the application for United States Patent therefor filed in the United States Patent and Trademark Office on **October 26, 1999**, and assigned Serial No. **09/429,406**, 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 San Diego, California this 12<sup>TH</sup> day of APRIL, 2000.

James M. Brown

**JAMES M. BROWN**

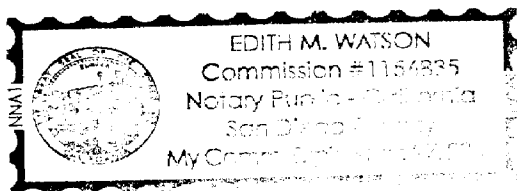
STATE OF CALIFORNIA     )  
                                      ) ss.  
COUNTY OF SAN DIEGO    )

On APRIL 12, 2000 before me, the undersigned, a Notary Public in and for said State, personally appeared **JAMES M. BROWN**, personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged that he executed same.

Edith M. Watson

Notary Public

(seal)



Done at San Diego, California this 17<sup>th</sup> day of April, 2000.

  
\_\_\_\_\_  
YU-DONG YAO

STATE OF CALIFORNIA     )  
                                      ) ss.  
COUNTY OF SAN DIEGO    )

On April 17, 2000 before me, the undersigned, a Notary Public in  
and for said State, personally appeared **YU-DONG YAO**, personally known to me or proved  
to me on the basis of satisfactory evidence to be the person whose name is subscribed to the  
within instrument and acknowledged that he executed same.

  
\_\_\_\_\_  
Notary Public

(seal)

