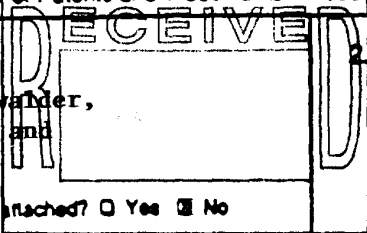


Tab settings 000



To the Honorable Commissioner of Patents and Trademarks: Please file

of this document.



100745271

1. Name of conveying party(ies):

Tao Chen, Joseph P. Odenwaller, Edward G. Tiedemann, Jr. and Serge Willenegger

Additional name(s) of conveying party(ies) attached?  Yes  No

2. Name and address of receiving party(ies)

Name: QUALCOMM Incorporated

Internal Address:

3. Nature of conveyance:

MRD 6-5-98

- Assignment  Merger
- Security Agreement  Change of Name
- Other \_\_\_\_\_

Execution Date: May 29, 1998

Street Address: 6455 Lusk Blvd.

City: San Diego State: CA ZIP: 92121

Additional name(s) & address(es) attached?  Yes  No

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: \_\_\_\_\_

A. Patent Application No.(s)

U.S. Serial No. 08/969,319 filed on November 13, 1997.

B. Patent No.(s)

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:

Danielle L. Miller

Name: QUALCOMM Incorporated

Internal Address:

Street Address: 6455 Lusk Blvd.

City: San Diego State: CA ZIP: 92121

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41).....\$ 40.00

Enclosed

Authorized to be charged to deposit account

8. Deposit account number:

40E

17-0026

(Attach duplicate copy of this page if paying by deposit account)

05/16/1998 BRIGHTER 00000213 170000 00969319

DO NOT USE THIS SPACE

OL FC:581 40.00 CH

9. 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.

Bruce W. Greenhaus, Reg. No. 37,339

Name of Person Signing

Signature

June 1, 1998

Date

Total number of pages including cover sheet, attachments, and document:

5

## 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, **TAO CHEN**, a citizen of the Republic of China having a place of residence at 8826 La Cartera, San Diego, California 92129-3309; **JOSEPH P. ODENWALDER**, a citizen of the United States of America having a place of residence at 14967 Rancho Real, Del Mar, California 92014; **EDWARD G. TIEDEMANN, JR.**, a citizen of the United States of America having a place of residence at 4350 Bromfield Avenue, San Diego, California 92122; and **SERGE WILLENEGGER**, a citizen of Switzerland having a place of residence at Heiselstrasse 91, 8155 Niederhasli, Switzerland, 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 6455 Lusk Boulevard, San Diego, California 92121, 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 TIME EFFICIENT RETRANSMISSION USING SYMBOL ACCUMULATION** by us devised and the application for United States Patent therefor filed in the United States Patent and Trademark Office on November 13, 1997, and assigned Serial No. 08/969,319, 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 23rd day of Apr., 1998.

Tao Chen

TAO CHEN

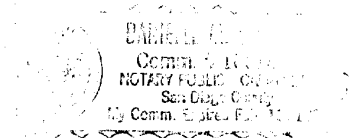
STATE OF CALIFORNIA )  
                                  ) ss.  
COUNTY OF SAN DIEGO )

On April 23, 1998 before me, the undersigned, a Notary Public in and for said State, personally appeared TAO CHEN, 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.

Danielle M. Lagnado

Notary Public

(seal)



Done at San Diego, California this 29 day of MAY, 1998.

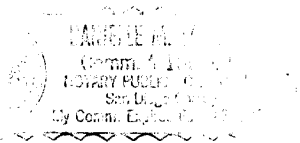
Joseph P. Odenwelder  
JOSEPH P. ODENWALDER

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

On May 29, 1998 before me, the undersigned, a Notary Public in and for said State, personally appeared JOSEPH P. ODENWALDER, 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.

Danielle M. Lagnado  
Notary Public

(seal)



Done at San Diego, California this 29 day of May, 1998.

Edward G. Tiedemann, Jr.  
EDWARD G. TIEDEMANN, JR.

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

On May 29, 1998 before me, the undersigned, a Notary Public in and for said State, personally appeared EDWARD G. TIEDEMANN, JR., 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.

Danielle M. Lagnado  
Notary Public

(seal)



Done at Grandson, Switzerland this 13th day of May, 1998.

*Serge Willegger*

SERGE WILLENEGGER

)  
) ss.  
)

On May this 13th, 1998 before me, the undersigned, a Notary Public in and for said State, personally appeared SERGE WILLENEGGER 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.

Légalisation No 969.-

(seal)

*A. Bugnon*  
Notary Public

