

11-08-1999

U.S. Department of Commerce  
Patent and Trademark Office  
**PATENT**

HEET

101194661

Attorney Docket No.: PA990493

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. 11 4 99  
☐ 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**EXECUTION DATE**

Month, Day, Year (MMDDYYYY)

1. Tao Chen
2. Fuyun Ling
3. Jack Holtzman
4. Yu-Cheun Jou

10/25/99  
10/25/99  
10/25/99  
10/25/99

**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: Jean Lupien

Telephone Number: (858) 651-5886

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: 5

**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. 09/409,944, filed September 30, 1999
- 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): \$40.00

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: November 1, 1999

Name: Byron Yafuso, Reg. No. P45,244

Signature:

11/05/1999 NGUYEN 00000324 170026 09409944

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Page 1 of 2

**PATENT**  
**REEL: 010358 FRAME: 0328**

**RECORDATION FORM COVER SHEET  
CONTINUATION  
PATENTS ONLY****Attorney Docket No.: PA990493****ENTER ADDITIONAL CONVEYING PARTIES:****NAME****EXECUTION DATE**

Month, Day, Year (MMDDYYYY)

5. Stein A. Lundby

10/25/99

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**Enter additional Receiving Party(ies):****Name:****Address (Street number and name):****Address (City, State, Zip Code):****Name:****Address (Street number and name):****Address (City, State, Zip Code):****Application Number(s) or Patent Number(s)****Patent Application Number(s):****Patent Number(s):**

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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 **TAO CHEN**, a citizen of the Republic of China having a place of residence at 8826 La Cartera, San Diego, California 92129; **FUYUN LING**, a citizen of the United States of America having a place of residence at 11382 Wills Creek Road, San Diego, California 92131; **JACK HOLTZMAN**, a citizen of the United States of America having a place of residence at 12970 Caminito Bautizo, San Diego, California 92130; **YU-CHEUN JOU**, a citizen of the United States of America having a place of residence at 9979 Riverhead Drive, San Diego, California 92129; and **STEIN A LUNDBY**, a citizen of Switzerland, having a place of residence at 1037 Diamond Street, San Diego, California 92109 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 **WIRELESS COMMUNICATION SYSTEM WITH BASE STATION BEAM SWEEPING** by us devised and the application for United States Patent therefor filed in the United States Patent and Trademark Office on September 30, 1999, and assigned Serial No. 09/409,944, 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 25th day of Oct., 1999.

Tao Chen

TAO CHEN

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

On October 25, 1999 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.

Kayla R. Seignious

Notary Public

(seal)

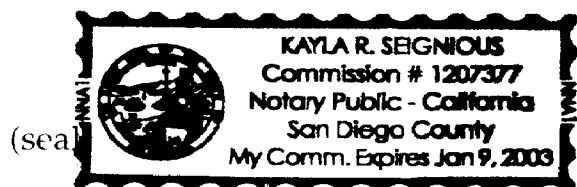


Done at San Diego, California this 25 day of Oct, 1999.

FUYUN LING  
FUYUN LING

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

On October 25, 1999 before me, the undersigned, a Notary Public in and for said State, personally appeared FUYUN LING, 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.



Kayla R. Seignious  
Notary Public

Done at San Diego, California this 25 day of October, 1999.

JACK HOLTZMAN  
JACK HOLTZMAN

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

On October 25, 1999 before me, the undersigned, a Notary Public in and for said State, personally appeared JACK HOLTZMAN, 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.



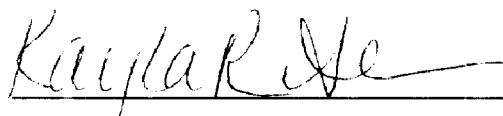
Kayla R. Seignious  
Notary Public

Done at San Diego, California this 25<sup>th</sup> day of October, 1999.

  
\_\_\_\_\_  
YU-CHEUN JOU

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

On October 25, 1999 before me, the undersigned, a Notary Public  
in and for said State, personally appeared YU-CHEUN JOU, 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



Done at San Diego, California this 25 day of October, 1999.

S. Lundby  
STEIN A. LUNDBY

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

On October 25, 1999 before me, the undersigned, a Notary Public  
in and for said State, personally appeared STEIN A. LUNDBY, 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.

Kayla R. Seignious  
Notary Public

(seal)

