

12-03-1998

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

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100911356

Attorney Docket No.: QCPA635
Page 1 of 2

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. William R. Gardner
2. Gilbert C. Sih
3. Qiuzhen Zou
4. Inyup Kang

EXECUTION DATE

Month, Day, Year (MMDDYYYY)

11/10/98

10/22/98

10/23/98

10/23/98

Receiving Party☐ Mark if additional names are attached

Name: QUALCOMM Incorporated
A Delaware Corporation

Address (Street number and name): 6455 Lusk Boulevard

Address (City, State, Zip Code): San Diego, California, 92121

Correspondent Name and Address

Name: QUALCOMM Incorporated
Attn: Russell B. Miller

Address: 6455 Lusk Boulevard

Address: San Diego, California 92121

Telephone Number: (619) 658-4833

Facsimile: (619) 658-2502

Pages (Enter the total number of pages of the attached conveyance document including any attachments)**Total number of pages:** 9**Application Number(s) or Patent Number(s)****Patent Application Number(s):**

1. 09/150,409
- 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):** \$40.00Method 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.

Name: Brian S. Edmonston, Reg. No. 38,864 Signature: _____ Date: 11/19/98**FOR OFFICE USE ONLY**

**RECORDATION FORM COVER SHEET
CONTINUATION
PATENTS ONLY**Attorney Docket No.: QCPA635
Page 2 of 2**Conveying Party(ies)**☐ Mark if additional names are attached**ENTER ADDITIONAL CONVEYING PARTIES:****NAME****EXECUTION DATE**

Month, Day, Year (MMDDYYYY)

11/19/98

5. Avneesh Agrawal

6.

7.

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Receiving Party☐ Mark if additional names are attached**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):**

1.

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5.

(TRANSASSIGN.VER1.0)

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, **William Gardner**, a citizen of the United States having a place of residence at 4232 Kerwood Court, San Diego, California 92130; **Avneesh Agrawal**, a citizen of India having a place of residence at 655 South Fair Oaks No. F109, Sunnyvale, CA 94086, **Gilbert C. Sih** a citizen of the United States having a place of residence at 7804 Pipit Place, San Diego, California 92129; **Qiuzhen Zou**, a citizen of China having a place of residence at 11507 Westview Parkway, San Diego, California 92126 and **Inyup Kang**, a citizen of South Korea having a place of residence at 5385 Toscana Way, San Diego, California 92126 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 **RELIABLE POSITION LOCATION IN MEMORY LIMITED ENVIRONMENT** by us devised and the application for United States Patent therefor filed in the United States Patent and Trademark Office on September 9, 1998 and assigned Serial No. 09/150,409 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

[QCPA635ASSIGN.]

PATENT
REEL: 9609 FRAME: 0287

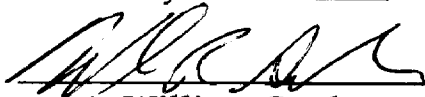
corporation, its successors, assigns and nominees, to obtain and enforce proper patent protection for said invention in all countries.

[QCPA635ASSIGN.]

PATENT
REEL: 9609 FRAME: 0288

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.

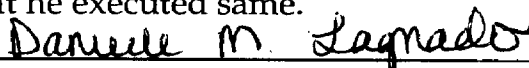
Done at San Diego, California this 10 day of Nov, 1998.



William Gardner

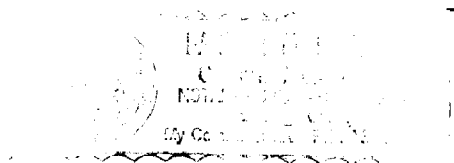
STATE OF CALIFORNIA)
) ss.
COUNTY OF SAN DIEGO)

On November 10, 1998 before me, the undersigned, a Notary Public in and for said State, personally appeared William Gardner 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)



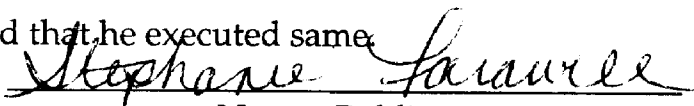
Done at San Diego, California this 22 day of Oct, 1998.



Gilbert C. Sih

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

On October 22, 1998 before me, the undersigned, a Notary Public in and for said State, personally appeared Gilbert C. Sih 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)



[QCPA635ASSIGN.]

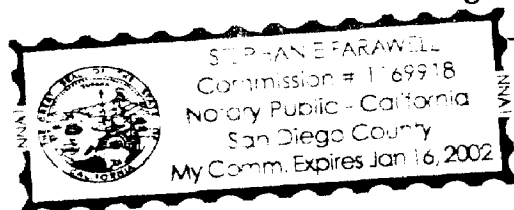
Done at San Diego, California this 23 day of Oct, 1998.

Qiuzhen Zou
Qiuzhen Zou

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

On October 23 1998 before me, the undersigned, a Notary Public in and for said State, personally appeared Qiuzhen Zou 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.

(seal)



Stephanie Farawell
Notary Public

Done at San Diego, California this 23 day of 10, 1998.

Inyup Kang
Inyup Kang

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

On October 23 1998 before me, the undersigned, a Notary Public in and for said State, personally appeared Inyup Kang 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.

(seal)



Stephanie Farawell
Notary Public

[QCPA635ASSIGN.]

PATENT
REEL: 9609 FRAME: 0290

Done at San Diego California this 19th day of Nov., 1998.

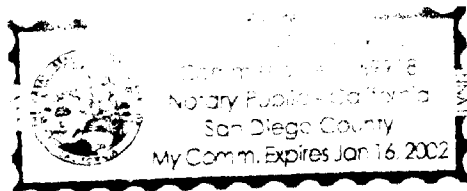
Avneesh Agrawal
Avneesh Agrawal

STATE OF CALIFORNIA)
) ss.
COUNTY OF)

On November 19, 1998 before me, the undersigned, a Notary Public in and for said State, personally appeared Avneesh Agrawal 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.

Stephanie Fairwell
Notary Public

(seal)



[QCPA635ASSIGN.]