

04-29-1999

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MRD 4-8-99

101021835

Attorney Docket No.: QCPA820
Page 1 of 1

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.
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Conveyance Type

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



Conveying Party(ies)

Mark if additional names are attached

NAME

EXECUTION DATE

Month, Day, Year (MMDDYYYY)
4/8/99

1. Gilbert Leung
- 2.
- 3.
- 4.

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

09/289073

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.
- 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.

Name: Roger W. Martin, Reg. No. 39,291 Signature: *[Signature]* Date: 4/8/99

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PATENT
REEL: 9908 FRAME: 0742

ASSIGNMENT

TO WHOM IT MAY CONCERN:

For the sum of One Dollar and other valuable consideration to me in hand paid, receipt of which is hereby acknowledged, be it known that I, **GILBERT LEUNG**, a citizen of the United States having a place of residence at 7285 Charmant Drive #212 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 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 **CHANNEL ESTIMATION IN A CDMA WIRELESS COMMUNICATION SYSTEM** by me devised and the application for United States Patent therefor filed in the United States Patent and Trademark Office on even date herewith, 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 I have full right to do so, and agree that I will communicate to said corporation or its representatives all facts known to me 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.

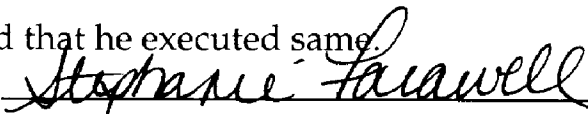
Done at San Diego, California this 8th day of April, 1999.



GILBERT LEUNG

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

On April 8, 1999 before me, the undersigned, a Notary Public in and for said State, personally appeared Gilbert Leung 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)

