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Attorney Docket No.: 990504

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. Ivan J. Fernandez-Corbaton
2. Alkinoos Hector Vayanos
3. Parag A. Agashe
4. Samir S. Soliman

EXECUTION DATE

Month, Day, Year (MMDDYYYY)

- 04122000
- 04122000
- 04142000
- 04142000

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, Manager, Intellectual Property Administration

Telephone Number: (858) 651-1179

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: 6

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. 09/460,180
- 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

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: April 14, 2000

Name: Bruce W. Greenhaus, Reg. No. 37,339
(858) 651-6399

Signature:

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 **IVAN J. FERNANDEZ-CORBATON**, a citizen of Spain having a place of residence at 919 Diamond Street, San Diego, California 92109, **ALKINOOS HECTOR VAYANOS**, a citizen of Greece having a place of residence at 1134 South Felspar Street, Apartment 2, San Diego, California 92109, **PARAG A. AGASHE**, a citizen of India having a place of residence at 10173 Camino Ruiz #94, San Diego, California 92126, and **SAMIR S. SOLIMAN**, a citizen of the United States of America, having a place of residence at 11412 Cypress Canyon Park Drive, San Diego, California 92131; 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 DETERMINING AN ALGEBRAIC SOLUTION TO GPS TERRESTRIAL HYBRID LOCATION SYSTEM EQUATIONS** by us devised and the application for United States Patent therefor filed in the United States Patent and Trademark Office on **December 10, 1999**, and assigned Serial No. **09/460,180**, 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.

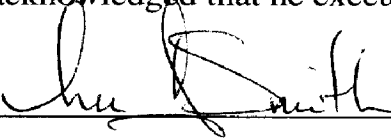
Done at San Diego, California this 12 day of APRIL, 2000.



IVAN J. FERNANDEZ-CORBATON

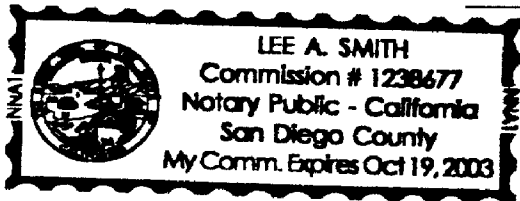
STATE OF CALIFORNIA)
) ss.
COUNTY OF SAN DIEGO)

On April 12, 2000 before me, the undersigned, a Notary Public in and for said State, personally appeared **IVAN J. FERNANDEZ-CORBATON**, 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)

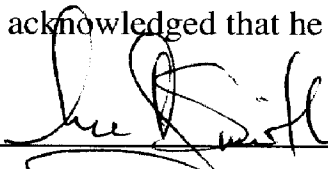


Done at San Diego, California this 12 day of April, 2000.

U.S. 70 - HE - N
ALKINOOS HECTOR VAYANOS

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

On April 12th, 2000 before me, the undersigned, a Notary Public in and for said State, personally appeared **ALKINOOS HECTOR VAYANOS**, 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 14 day of April, 2000.



PARAG A. AGASHE

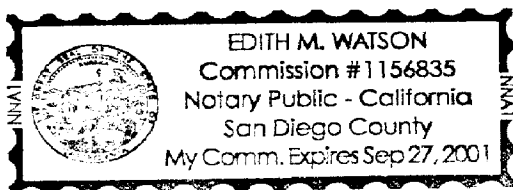
STATE OF CALIFORNIA)
) ss.
COUNTY OF SAN DIEGO)

On APRIL 14, 2000 before me, the undersigned, a Notary Public in and for said State, personally appeared **PARAG A. AGASHE**, 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 April day of 14th, 2000.

Samir S. Soliman
SAMIR S. SOLIMAN

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

On April 14, 2000 before me, the undersigned, a Notary Public in and for said State, personally appeared **SAMIR S. SOLIMAN**, 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)

