

FORM PTO-1019A/B

U.S. Department of Commerce

Patent and Trademark Office

PATENT

RECORDATION FORM COVER SHEET **PATENTS ONLY**

Attorney Docket No.: 050557

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. Koen Bernard Vos
- 2.
- 3.
- 4.

EXECUTION DATE

Month, Day, Year (MMDDYYYY)
 07/24/2006

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: Patent Department
 Address: 5775 Morehouse Drive
 Address: San Diego, California 92121-1714

Telephone Number: (858) 658-5787
 Facsimile: (858) 658-2502

Pages (Enter the total number of pages of the attached conveyance document including any attachments)

Total number of pages: two

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. 11/397,872
- 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: one

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: August 4, 2006

Name: Alex C. Chen, Reg. No. 45,591
 Phone No. (858) 651-5363

Signature: **FOR OFFICE USE ONLY**

Page 1 of 1

PATENT**REEL: 018067 FRAME: 0732****700279859**

CH \$40.00 170026 11397872

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 I, **Koen Bernard Vos**, a citizen of the Netherlands, having a place of residence at 1934 29th Avenue, San Francisco, California 94116, 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:

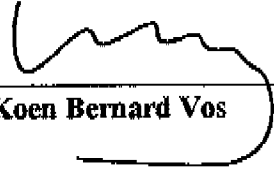
SYSTEMS, METHODS, AND APPARATUS FOR QUANTIZATION

OF SPECTRAL ENVELOPE REPRESENTATION

by us devised and the application for United States Patent therefore filed in the United States Patent and Trademark Office on **April 3, 2006**, and assigned Serial No. **11/397,872**, including, without limitation, all provisional patent applications, including **Serial No. 60/667,901**, filed **April 1, 2005** and **Serial No. 60/673,965**, filed **April 22, 2005**, 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 Francisco, California this 24 day of July, 2006.



Koen Bernard Vos