

FORM PTO-1619A/B

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

**RECORDATION FORM COVER SHEET
PATENTS ONLY**

Attorney Docket No.: 050084

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

Submission Type <input checked="" type="checkbox"/> New <input type="checkbox"/> Resubmission (Non-Recordation) Document ID No. <input type="checkbox"/> Correction of PTO Error Reel No. Frame No. <input type="checkbox"/> Corrective Document Reel No. Frame No.	Conveyance Type <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Change of Name <input type="checkbox"/> License <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Other: _____
---	--

Conveying Party(ies) Mark if additional names are attached

NAME

1. GAVIN HORN

2.

3.

4.

EXECUTION DATE
Month, Day, Year (MMDDYYYY)
02022006

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 Telephone Number: (858) 658-5787
Attn: Patent Department 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: 1

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. 11/182,294 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

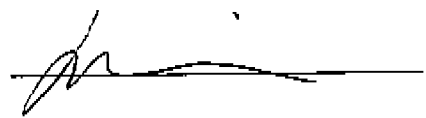
(Enter for payment by deposit account or if additional fees can be charged to the account. A duplicate of this sheet is enclosed for fee processing)

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.

Date: February 2, 2006
Name: Jae-Hee Choi, Reg. No. 45,288
(858) 651-5469

Signature: 

FOR OFFICE USE ONLY

PATENT

CH \$40.00 170026 11182294

ATTORNEY DOCKET NO. 050084

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, **Gavin Horn**, a citizen of the Canada having a place of residence at 8952 Caminito Fresco, La Jolla, California 92037; 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:

METHODS AND APPARATUS FOR EFFICIENTLY SYNCHRONIZING A TRANSMITTER AND A RECEIVER IN A COMMUNICATION SYSTEM

by me devised and the application for United States Patent therefor filed in the United States Patent and Trademark Office on July 15, 2005, and assigned Serial No. 11/182,294, including, without limitation, all provisional patent applications, including Serial No. 60/639,008, filed December 22, 2004, 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 2nd day of Feb, 2006.


GAVIN HORN