

FORM PTO-1619A/B

U.S. Department of Commerce
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PATENTRECORDATION FORM COVER SHEET
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Attorney Docket No.: 050660

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

Submission Type

- ☒ New
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 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)

☐ Mark if additional names are attached

NAME

1. Naga Bhushan
2. June Namgoong
3. Peter J. Black

EXECUTION DATE

Month, Day, Year (MMDDYYYY)

June 3, 2005

June 16, 2005

June 16, 2005

Receiving Party

☐ Mark if additional names are attachedName: 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

Telephone Number: (858) 651-4470

Facsimile: (858) 658-2502

Address: 5775 Morehouse Drive

Address: San Diego, California 92121-1714

Pages (Enter the total number of pages including the Recordation Sheet)

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. 11/174,108, Filed 6/29/05
- 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.
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: December 2, 2005

Name: Larry J. Moskowitz, Reg. No. 42,911
(858) 651-4556Signature: 

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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, **NAGA BHUSHAN**, a citizen of the United States of America having a place of residence at 7794 Roan Road, San Diego, CA 92129; **JUNE NAMGOONG**, a citizen of South Korea having a place of residence at 705 E. Naples Court, Chula Vista, CA 91911; and **PETER J. BLACK**, a citizen of Australia having a place of residence at 2961 First Avenue, San Diego, CA 92103; 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:

**Method of Determining the Location of the FFT Window and the Delay Spread for the
Platinum Broadcast Channel Estimator**

by us devised and the application for United States Patent therefor filed in the United States Patent and Trademark Office on June 29, 2005, and assigned Application Serial No. 11/174,108, including, without limitation, all provisional patent applications, **Provisional Application No. 60/672,573**, entitled "**METHOD OF DETERMINING THE LOCATION OF THE FFT WINDOW AND THE DELAY SPREAD FOR THE PLATINUM BROADCAST CHANNEL ESTIMATOR**" filed 4/18/2005, 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

ATTORNEY DOCKET NO. 050660

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.

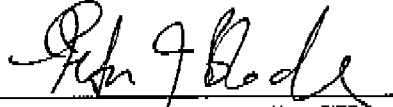
Done at San Diego, California this 3RD day of JUNE, 2005.


NAGA BHUSHAN

Done at San Diego, California this 16th day of JUNE, 2005.


JUNE NAMGOONG

Done at San Diego, California this 16th day of JUNE, 2005.


PETER J. BLACK