

FORM PTO-1619A/B

U.S. Department of Commerce  
Patent and Trademark Office  
**PATENT****RECORDATION FORM COVER SHEET  
PATENTS ONLY**

Attorney Docket No.: 050453U2

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  
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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

1. Haohong Wang
2. Khaled Helmi El-Maleh
- 3.
- 4.

**EXECUTION DATE**

Month, Day, Year (MMDDYYYY)

11/14/2005

11/14/2005

**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

Telephone Number: (858) 658-5787

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: 2

**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. 11/199,773
- 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/
2. PCT/

3. 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: 11/30/2005

Name: Timothy Loomis, Reg. No. 37,383  
 (858) 845-8355

Signature: **FOR OFFICE USE ONLY**

Page 1 of 1

(TRANSACTIONS) PATENT 9-07/30/03)

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REEL: 017081 FRAME: 0610

CH \$40.00 170026 11199773

## 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 **Haohong Wang**, a citizen of the People's Republic of China having a place of residence at 5385 Toscana Way #328 San Diego, CA 92122, and **Khaled Helmi El-Maleh**, a citizen of Canada having a place of residence at 7689 Palmilla Drive # 1311 San Diego, CA 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 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:

### **Quality Metric-Biased Region-of-Interest Coding for Video Telephony**

by us devised and the application for United States Patent therefor filed in the United States Patent and Trademark Office on **08/09/2005**, and assigned Serial No. **11/199,773**, including, without limitation, all provisional patent applications, including Serial No. **60/658,008**, filed **03/01/2005**, 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.

ATTORNEY DOCKET NO. 050453U2

Done at San Diego, California this 14 day of Nov, 2005.

  
Haohong Wang

Done at San Diego, California this 14 day of Nov, 2005.

  
Khaled Helmi El-Maleh