

05-07-2001

FORM PTO-1619A/B

U.S. Department of Commerce  
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PATENT

101705753

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Attorney Docket No.: 010029

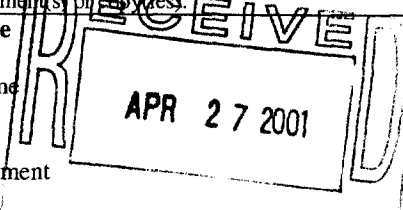
TO: The Commissioner of Patents and Trademarks: Please record the attached original document (S) or copy (S).

**Submission Type**

- ☒ New  
☐ Resubmission (Non-Recordation)  
 Document ID No.  
☐ Correction of PTO Error  
 Reel No. Frame No.  
☐ Corrective Document  
 Reel No. Frame No. 4-27-01

**Conveyance Type**

- ☒ Assignment  
☐ Change of Name  
☐ License  
☐ Merger  
☐ Security Agreement  
☐ Other: \_\_\_\_\_

**Conveying Party(ies)**☐ Mark if additional names are attached**NAME**

1. Chienchung Chang
2. Naren Malayath
3. Byron Yoshio Yafuso
- 4.

**EXECUTION DATE**

Month, Day, Year (MMDDYYYY)

04/19/2001

04/19/2001

04/20/2001

**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:** 3**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. 09/773,831 filed 01/31/2001
- 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/

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**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):** \$40.00Method 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: 04/23/2001

Name: Byron Yafuso, Reg. No. 45,244  
 (858) 658-3868

Signature:

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(TRANSASSIGN.VER1.6-1/17/2001)

**PATENT****REEL: 011756 FRAME: 0068**

# 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 **Chienchung Chang**, a citizen of the United States of America having a place of residence at **6076 Via Posada Del Norte, Rancho Santa Fe, California 92067**; **Naren Malayath**, a citizen of India having a place of residence at **10710 Sabre Hill Drive #229, San Diego, California 92128**; and **Byron Yoshio Yafuso**, a citizen of the United States of America having a place of residence at **10093 Branford Road, San Diego, California 92129**; 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 **DISTRIBUTED VOICE RECOGNITION SYSTEM USING ACOUSTIC FEATURE VECTOR MODIFICATION** by us devised and the application for United States Patent therefore filed in the United States Patent and Trademark Office on **January 31, 2001**, and assigned Serial No. **09/773,831**, 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 19 day of April, 2001.

Chienchung Chang  
Chienchung Chang

Done at San Diego, California this 19 day of April, 2001.

Naren Malayath  
Naren Malayath

Done at San Diego, California this 20 day of April, 2001.

Byron Yoshio Yafuso  
Byron Yoshio Yafuso