

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT						
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT						
<b>CONVEYING PARTY DATA</b>							
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Sharath Manjunath</td> <td>02/02/1999</td> </tr> <tr> <td>William Gardner</td> <td>02/02/1999</td> </tr> </tbody> </table>		Name	Execution Date	Sharath Manjunath	02/02/1999	William Gardner	02/02/1999
Name	Execution Date						
Sharath Manjunath	02/02/1999						
William Gardner	02/02/1999						
<b>RECEIVING PARTY DATA</b>							
<b>Name:</b>	QUALCOMM Incorporated						
<b>Street Address:</b>	5775 Morehouse Drive						
<b>City:</b>	San Diego						
<b>State/Country:</b>	CALIFORNIA						
<b>Postal Code:</b>	92121						
<b>PROPERTY NUMBERS Total: 1</b>							
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11559274</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11559274		
Property Type	Number						
Application Number:	11559274						
<b>CORRESPONDENCE DATA</b>							
<b>Fax Number:</b>	(858)658-2502						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
<b>Phone:</b>	858-651-7985						
<b>Email:</b>	tbadet@qualcomm.com						
<b>Correspondent Name:</b>	QUALCOMM, Inc.						
<b>Address Line 1:</b>	5775 Morehouse Drive						
<b>Address Line 4:</b>	San Diego, CALIFORNIA 92121						
<b>ATTORNEY DOCKET NUMBER:</b>	PA742A1C2						
<b>NAME OF SUBMITTER:</b>	Todd E. Marlette						

**CH \$40.00 11559274**

Total Attachments: 6  
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PA 742  
UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

MAY 07, 1999

PTAS

QUALCOMM INCORPORATED  
RUSSELL B. MILLER  
6455 LUSK BOULEVARD  
SAN DIEGO, CALIFORNIA 92121



\*100965519A\*

PA 742

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 02/10/1999

REEL/FRAME: 9752/0168  
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

MANJUNATH, SHARATH

DOC DATE: 02/02/1999

ASSIGNOR:

GARDNER, WILLIAM

DOC DATE: 02/02/1999

ASSIGNEE:

QUALCOMM INCORPORATED  
6455 LUSK BOULEVARD  
A DELAWARE CORPORATION  
SAN DIEGO, CALIFORNIA 92121

SERIAL NUMBER: 09217341  
PATENT NUMBER:

FILING DATE: 12/21/1998  
ISSUE DATE:

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TARA WASHINGTON, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

*MRD*  
*2-10-99*



EET

100965519

Attorney Docket No.: QCPA742  
Page 1 of 1

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. Sharath Manjunath
2. William Gardner
- 3.
- 4.

**EXECUTION DATE**

Month, Day, Year (MMDDYYYY)  
2/2/99  
2/2/99

**Receiving Party**

Mark if additional names are attached

Name: QUALCOMM Incorporated  
A Delaware Corporation  
Address (Street number and name): 6455 Lusk Boulevard  
Address (City, State, Zip Code): San Diego, California, 92121

**Correspondent Name and Address**

Name: QUALCOMM Incorporated  
Attn: Russell B. Miller  
Address: 6455 Lusk Boulevard  
Address: San Diego, California 92121

Telephone Number: (619) 658-4833  
Facsimile: (619) 658-2502

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

Total number of pages: 5

**Application Number(s) or Patent Number(s)**

**Patent Application Number(s):**

1. US Serial Number 09/217,341 Filed December 21, 1998
- 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.

Name: Thomas R. Rouse, Reg. No. 40,793

Signature:

Date: 2/5/99

02/11/1999 DNGUYEN 00000306 170026 09217341

01 FC=581 40.00 CH

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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, **SHARATH MANJUNATH**; a citizen of the India having a place of residence at 7104 Schilling Avenue #5, San Diego, California 92126; **WILLIAM GARDNER**, a citizen of the United States of America having a place of residence at 4232 Kerwood Court, San Diego, California 92130, 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 6455 Lusk Boulevard, San Diego, California 92121, its successors, legal representatives, or assigns, the whole right, title and interest in and to a certain invention relating to a **VARIABLE RATE SPEECH CODING** by us devised and the application for United States Patent therefor filed in the United States Patent and Trademark Office on December 21, 1998 and assigned Serial No. 09/217,341 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 2<sup>nd</sup> day of February, 1999.

Sharath Manjunath  
SHARATH MANJUNATH

STATE OF CALIFORNIA    )  
  ) ss.  
COUNTY OF SAN DIEGO    )

On February 2 1999 before me, the undersigned, a Notary Public in and for said State, personally appeared SHARATH MANJUNATH, personally known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged that he executed same.

[Signature]  
Notary Public

(seal)



