

03-21-2001



R SHEET

101642189

Attorney Docket No.: 990380

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 (in counterparts)  
☐ Change of Name  
☐ License  
☐ Merger  
☐ Security Agreement  
☐ Other:

## Conveying Party(ies)

NAME

☐ Mark if additional names are attached

1. GILBERT C. SIH
2. AVNEESH AGRAWAL
3. MARK ROH
4. BRIAN K. BUTLER
5. RAGHU CHALLA

## EXECUTION DATE

Month, Day, Year (MMDDYYYY)

02/15/2001  
02/20/2001  
02/15/2001  
02/15/2001  
02/15/2001

## 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: 7

## 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):

09/491,349, filed January 26, 2000

Patent Number(s):

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 23, 2001

Name: Charles D. Brown

Reg. No. 28,285

Signature:

FOR OFFICE USE ONLY

## 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 I,

1. **Gilbert C. Sih**, a citizen of the United States of America, having a place of residence at 7804 Pipit Place, San Diego, CA 92129;
2. **Avneesh Agrawal**, a citizen of India, having a place of residence at 809 Pitkin Loop, San Jose, CA 95125;
3. **Mark Roh**, a citizen of The United States of America, having a place of residence at 8520 Costa Verde Boulevard, #3223, San Diego, CA 92122;
4. **Brian K. Butler**, a citizen of The United States of America, having a place of residence at 2171 Via Nina, La Jolla, CA 92037; and
5. **Raghu Challa**, a citizen of India, having a place of residence at 11928 Tivoli Park Row, #2, San Diego, CA 92128;

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 **MULTIPATH DOPPLER ADJUSTED FREQUENCY TRACKING LOOP** by me devised and the application for United States Patent therefor filed in the United States Patent and Trademark Office on **January 26, 2000**, and assigned Serial No. **09/491,349**, 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

## ASSIGNMENT

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 15 day of FEBRUARY, 2001.

Gilbert C. Sih  
Gilbert C. Sih

Done at San Diego, California this 20 day of 2/, 2001.

Avneesh Agrawal  
Avneesh Agrawal

Done at San Diego, California this \_\_\_\_ day of \_\_\_\_\_, 2001.

Mark Roh  
Mark Roh

Done at San Diego, California this \_\_\_\_ day of \_\_\_\_\_, 2001.

Brian K. Butler  
Brian K. Butler

Done at San Diego, California this \_\_\_\_ day of \_\_\_\_\_, 2001.

Raghu Challa  
Raghu Challa

## ASSIGNMENT

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 \_\_\_\_ day of \_\_\_\_\_, 2001.

\_\_\_\_\_  
**Gilbert C. Sih**

Done at San Diego, California this 20 day of 2/, 2001.

Avneesh Agrawal  
**Avneesh Agrawal**

Done at San Diego, California this \_\_\_\_ day of \_\_\_\_\_, 2001.

\_\_\_\_\_  
**Mark Roh**

Done at San Diego, California this \_\_\_\_ day of \_\_\_\_\_, 2001.

\_\_\_\_\_  
**Brian K. Butler**

Done at San Diego, California this \_\_\_\_ day of \_\_\_\_\_, 2001.

\_\_\_\_\_  
**Raghu Challa**

## ASSIGNMENT

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 \_\_\_\_ day of \_\_\_\_\_, 2001.

\_\_\_\_\_  
**Gilbert C. Sih**

Done at San Diego, California this \_\_\_\_ day of \_\_\_\_\_, 2001.

\_\_\_\_\_  
**Avneesh Agrawal**

Done at San Diego, California this 15 day of February, 2001.

  
\_\_\_\_\_  
**Mark Roh**

Done at San Diego, California this \_\_\_\_ day of \_\_\_\_\_, 2001.

\_\_\_\_\_  
**Brian K. Butler**

Done at San Diego, California this \_\_\_\_ day of \_\_\_\_\_, 2001.

\_\_\_\_\_  
**Raghu Challa**

## ASSIGNMENT

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 \_\_\_\_ day of \_\_\_\_\_, 2001.

\_\_\_\_\_  
**Gilbert C. Sih**

Done at San Diego, California this \_\_\_\_ day of \_\_\_\_\_, 2001.

\_\_\_\_\_  
**Avneesh Agrawal**

Done at San Diego, California this \_\_\_\_ day of \_\_\_\_\_, 2001.

\_\_\_\_\_  
**Mark Roh**

Done at San Diego, California this 15<sup>th</sup> day of Feb., 2001.

  
\_\_\_\_\_  
**Brian K. Butler**

Done at San Diego, California this \_\_\_\_ day of \_\_\_\_\_, 2001.

\_\_\_\_\_  
**Raghu Challa**

## ASSIGNMENT

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 \_\_\_\_\_ day of \_\_\_\_\_, 2001.

\_\_\_\_\_  
**Gilbert C. Sih**

Done at San Diego, California this \_\_\_\_\_ day of \_\_\_\_\_, 2001.

\_\_\_\_\_  
**Avneesh Agrawal**

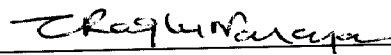
Done at San Diego, California this \_\_\_\_\_ day of \_\_\_\_\_, 2001.

\_\_\_\_\_  
**Mark Roh**

Done at San Diego, California this \_\_\_\_\_ day of \_\_\_\_\_, 2001.

\_\_\_\_\_  
**Brian K. Butler**

Done at San Diego, California this 15 day of Feb, 2001.

  
**Raghu Challa**