

08-01-2002



VER SHEET

102174341

Attorney Docket No.: 990529

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.

7.29.02

**Conveyance Type**

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

**Conveying Party(ies)**

Mark if additional names are attached

NAME

EXECUTION DATE

Month, Day, Year (MMDDYYYY)

1. Yu-Chuan G. Lin
2. Keith W. Saints
3. Steven Yoon
- 4.

- 07/10/2002
- 07/17/2002
- 07/01/2002

**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 Telephone Number: (858) 651-1179  
Attn: Sarah Kirkpatrick, Manager, Intellectual Property Administration 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: 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. 10/061,890
2. \_\_\_\_\_
- 3.
- 4.

**Patent Number(s):**

- 1.
- 2.
- 3.
- 4.

FINANCE SECTION

**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: one

**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: 7/22/02  
Name: George C. Pappas, Reg. No. 35,065  
858-651-1306

Signature: \_\_\_\_\_

**FOR OFFICE USE ONLY**

07/31/2002 GTOM11 00000173 170026 10061890

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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 I,

1. **Yu-Chuan G. Lin**, a citizen of Taiwan, having a place of residence at 1070 Cottage Way, Encinitas, Ca 92024;
2. **Keith W. Saints**, a citizen of the United States, having a place of residence at 12529 Eclipse Place, San Diego, CA 92129.; and
3. **Steven Yoon**, a citizen of Canada, having a place of residence at 5441 Panoramic Lane, San Diego, Ca 92121;

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 entire right, title and interest in and to a certain invention relating to a **POWER CONTROL OUTER LOOP FOR COMMUNICATION CHANNELS WITH DISCONTINUOUS TRANSMISSION (DTX)** by me co-devised and the application for United States Patent therefor filed in the United States Patent and Trademark Office **on January 31, 2002**, and assigned Serial Number **10/061,890** 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 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

## ASSIGNMENT

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 10 day of July, 2002.

  
\_\_\_\_\_  
**Yu-Chuan Lin**

Done at San Diego, California this \_\_\_\_\_ day of \_\_\_\_\_, 2002.

\_\_\_\_\_  
**Keith W. Saints**

Done at San Diego, California this \_\_\_\_\_ day of \_\_\_\_\_, 2002.

\_\_\_\_\_  
**Steven Yoon**

## ASSIGNMENT

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 \_\_\_\_\_, 2002.

\_\_\_\_\_  
**Yu-Chuan G. Lin**

Done at San Diego, California this 17<sup>th</sup> day of July, 2002.

Keith Saints  
\_\_\_\_\_  
**Keith W. Saints**

Done at San Diego, California this \_\_\_\_\_ day of \_\_\_\_\_, 2002.

\_\_\_\_\_  
**Steven Yoon**

## ASSIGNMENT

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 1 day of July, 2002.

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**Yu-Chuan G. Lin**

Done at San Diego, California this \_\_\_\_\_ day of \_\_\_\_\_, 2002.

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**Keith W. Saints**

Done at San Diego, California this 1 day of July, 2002.

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**Steven Yoon**