

04-07-2004



1 SHEET

102715713

Attorney Docket No.: 030310

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: \_\_\_\_\_

17354 U.S. PTO  
10/814935



**Conveying Party(ies)**  
NAME

Mark if additional names are attached

1. Inyup Kang
2. Karthikeyan Ethirajan
3. Matthew Levi Severson
- 4.

**EXECUTION DATE**

Month, Day, Year (MMDDYYYY)

- 03/27/2004
- 03/26/2004
- 03/26/2004

3/30/04

**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

10814935

**Correspondent Name and Address**

Name: QUALCOMM Incorporated  
Attn: Patent Department  
Address: 5775 Morehouse Drive  
Address: San Diego, California 92121-1714

Telephone Number: (858) 658-5787  
Facsimile: (858) 658-2502

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

Total number of pages: four

**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: March 30, 2004

**Patent Application Number(s):**

- 1.
- 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: one

**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: March 30, 2004

Name: Nicholas J. Pauley, Reg. No. 44,999  
Phone No. (858) 845-8405

Signature:

FOR OFFICE USE ONLY

04/06/2004 LMIJELER 00000266 170026 10814935

01 FC:8021

40.00 BA

ATTORNEY DOCKET NO. 030310

## 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 **Inyup Kang**, a citizen of the Republic of Korea, having a place of residence at 4257 Calle Isabelino, San Diego, California 92130, **Karthikeyan Ethirajan**, a citizen of India, having a place of residence at 10926 Jasmine Crest Lane, San Diego, California 92121; and **Matthew Levi Severson**, a citizen of the United States of America, having a place of residence of 1223 Salerno Ct., Oceanside, California 92056, 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:

### **DYNAMIC VOLTAGE SCALING FOR PORTABLE DEVICES**

by us devised and the application for United States Patent therefore filed in the United States Patent and Trademark Office herewith, including, without limitation, all provisional patent applications, 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 27 day of March, 2004.

  
\_\_\_\_\_  
Inyup Kang

Done at San Diego, California this \_\_\_\_\_ day of \_\_\_\_\_, 2004.

\_\_\_\_\_  
Karthikeyan Ethirajan

Done at San Diego, California this \_\_\_\_\_ day of \_\_\_\_\_, 2004.

\_\_\_\_\_  
Matthew Levi Severson

ATTORNEY DOCKET NO. 030310

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 \_\_\_\_\_, 2004.

\_\_\_\_\_  
Inyup Kang

Done at San Diego, California this 03 day of March, 2004.

Karthikeyan  
\_\_\_\_\_  
Karthikeyan Ethirajan

Done at San Diego, California this \_\_\_\_\_ day of \_\_\_\_\_, 2004.

\_\_\_\_\_  
Matthew Levi Severson

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 \_\_\_\_\_, 2004.

\_\_\_\_\_  
**Inyup Kang**

Done at San Diego, California this \_\_\_\_\_ day of \_\_\_\_\_, 2004.

\_\_\_\_\_  
**Karthikeyan Ethirajan**

Done at San Diego, California this 26 day of MARCH, 2004.



\_\_\_\_\_  
**Matthew Levi Severson**